

JULY  
1996

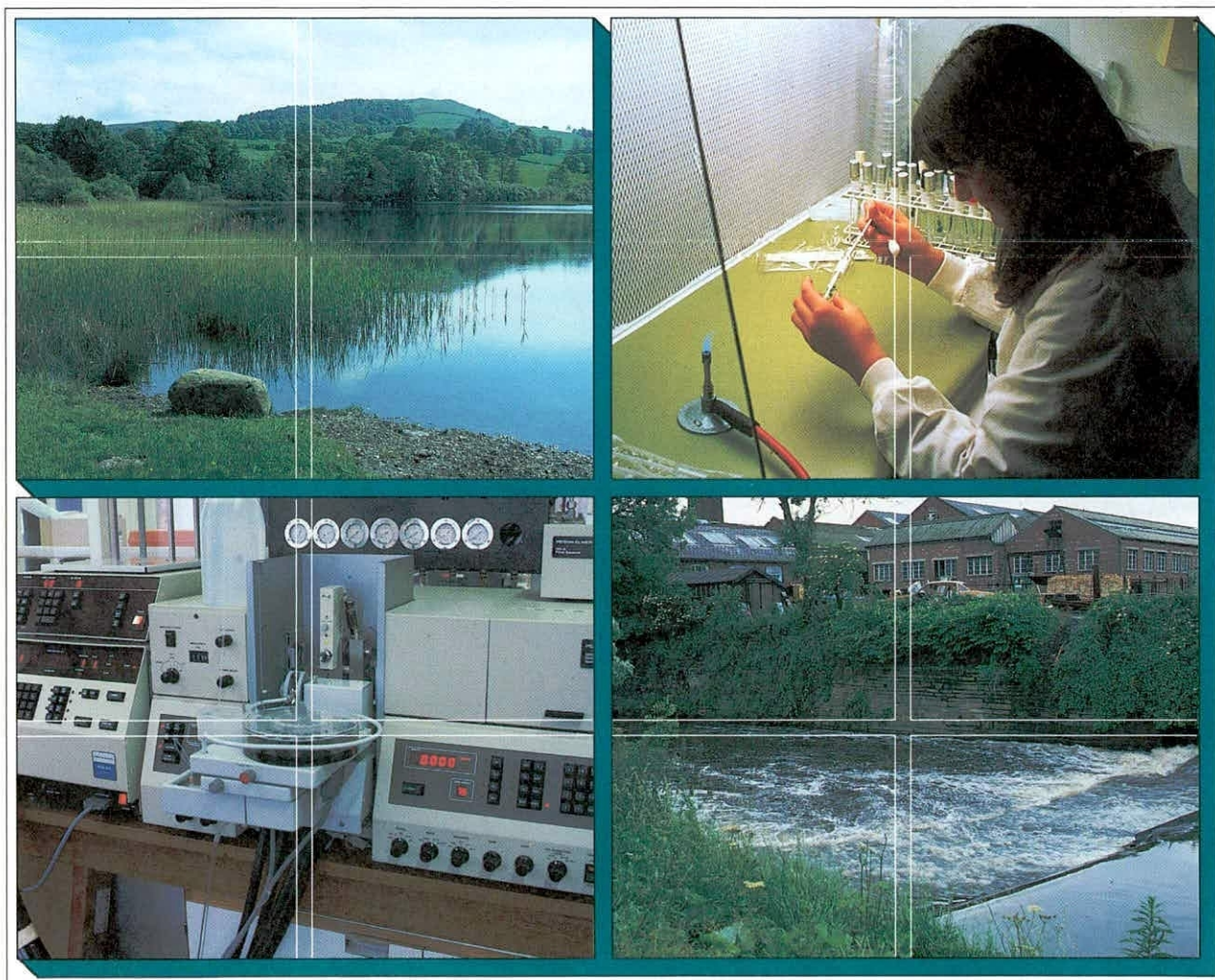
# RIVER HABITAT SURVEY 1996

## Survey Sheets - England and Wales

Part I 6002 - 6728

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Report To: Environment Agency, Bristol  
IFE Report Ref. No: RL/TO4053H4





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## **RIVER HABITAT SURVEY 1996**

### **Survey Sheets - England and Wales**

#### **Part I      6002 - 6728**

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**Project Leader:            F.H. Dawson  
Report Date:                July 1996  
Report To:                  Environment Agency, Bristol  
IFE Report Ref. No:        RL/T04053H4**



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### **CONFIDENTIALITY STATEMENT**

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1996 RIVER HABITAT SURVEY with IFB mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6002  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Dry Burn  
 Date: 01/21/1996 Time: 11:45 Surveyor name: HO Accreditation code: PFF  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles: 11 Unvegetated point bars: 0  
 Pools: 5 Vegetated point bars: 3

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use JHT) for Riffles  Pools  Unveg. side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only**

Spot check 1 m: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK <input checked="" type="checkbox"/> TICK if functional fence	EA	FA	EA	EA	EA	EA	EA	EA	EA	EA
Material <input checked="" type="checkbox"/> NE,NO,RO,CO,CE,EA,PE,CE,CE,SP,PP,CL,RR,BW	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s) <input checked="" type="checkbox"/> NE,NO,RS,RP,PC,BN,EN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input checked="" type="checkbox"/> NY,NO,EC,SC,PA,VP,SB,VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL: NEW: substrate shape codes = <input checked="" type="checkbox"/> FILM OVER EXISTING: SPECIAL CHANNEL POSITIONING: Obsolete: Other: =	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Channel substrate <input checked="" type="checkbox"/> NY,NE,NO,CO,CP,SA,SC,LP,EA	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape <input checked="" type="checkbox"/> FL,OV,EL,SP,CU,PO,TR,OV,VS,=	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO
Flow type <input checked="" type="checkbox"/> FF,CF,BW,UN,CF,RP,UP,SN,PP,NO	UN	UN	UN	UN	UN	UN	UN	UN	UN	UN
Channel modification(s) <input checked="" type="checkbox"/> NE,NO,CV,RS,LD,FO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <input checked="" type="checkbox"/> NY,NO,RO,NS,VR,HL,TR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK <input checked="" type="checkbox"/> TICK if functional fence	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material <input checked="" type="checkbox"/> NE,NO,RO,CO,CE,EA,PE,CE,CE,SP,PP,CL,RR,BW	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s) <input checked="" type="checkbox"/> NY,NO,RS,RP,PC,BN,EN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input checked="" type="checkbox"/> NY,NO,EC,SC,PA,VP,SB,VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, NH, SC, TL, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	BL	BL	BL	SC	SC	RP
LEFT BANK-TOP (structure within 1m) <input checked="" type="checkbox"/> BU/UC	S	C	C	C	C	S	S	C	S
LEFT BANK FACE (structure) <input checked="" type="checkbox"/> BU/UC	U	U	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) <input checked="" type="checkbox"/> BU/UC	B	S	S	B	S	B	S	S	S
RIGHT BANK-TOP (structure within 1m) <input checked="" type="checkbox"/> BU/UC	S	S	C	S	C	S	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	TL	BL	SC	TL	IL	TL

**G CHANNEL VEGETATION TYPES (10m wide transect: E if < 33% area) or tick (present) 500m 'catch-all'**

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens <input checked="" type="checkbox"/>		E	✓		E	E	✓		✓	✓
Emerg broad-leaved herbs <input checked="" type="checkbox"/> (Caltha, Najas, Pak)		E	✓		✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes <input checked="" type="checkbox"/> (Phragmites)										✓
Flowering leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae		✓		✓	✓	✓	E		E	✓

SITE NO. 6002 1996 RIVER HABITAT SURVEY: 500m SWEEP UP Page 3 of 4

**LAND USE WITHIN 5m OF BANKTOP (E if < 33% banklength) or tick (present)**

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	✓	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	✓	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	E	E	Open water (OW)		
Tall herbs - reed vegetation (TH)			Suburban/urban development (SU)		

**ARTIFICIAL FEATURES (tick one box per bank)**

Material/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut <input checked="" type="checkbox"/>	E	E	Re-sectioned <input checked="" type="checkbox"/>		
Vertical + toe <input checked="" type="checkbox"/>	✓	✓	Reinforced - whole bank <input checked="" type="checkbox"/>		
Steep (>45°) <input checked="" type="checkbox"/>	✓	✓	Reinforced - top only <input checked="" type="checkbox"/>		
Gentle <input checked="" type="checkbox"/>	✓	✓	Reinforced - toe only <input checked="" type="checkbox"/>		
Composite <input checked="" type="checkbox"/>	✓	✓	Artificial two-stage <input checked="" type="checkbox"/>		
			Poached <input checked="" type="checkbox"/>		
			Embanked <input checked="" type="checkbox"/>		
			Set-back embankments <input checked="" type="checkbox"/>		

**TREES (tick one box per bank)**

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>33%)
None <input checked="" type="checkbox"/>	✓	✓	Shading of channel <input checked="" type="checkbox"/>	✓	✓
Isolated/scattered <input checked="" type="checkbox"/>	✓	✓	Overhanging boughs <input checked="" type="checkbox"/>	✓	✓
Regularly spaced, single <input checked="" type="checkbox"/>	✓	✓	Exposed bankside roots <input checked="" type="checkbox"/>	✓	✓
Occasional clumps <input checked="" type="checkbox"/>	✓	✓	Underwater tree roots <input checked="" type="checkbox"/>	✓	✓
Semi-continuous <input checked="" type="checkbox"/>	✓	✓	Fallen trees <input checked="" type="checkbox"/>	✓	✓
Continuous <input checked="" type="checkbox"/>	✓	✓	Course woody debris <input checked="" type="checkbox"/>	✓	✓

**OTHER FEATURES (tick one box per bank)**

	None	Present E (>33%)		None	Present E (>33%)
Waterfall(s) <input checked="" type="checkbox"/>	✓	✓	Marginal deadwater <input checked="" type="checkbox"/>	✓	✓
Cascade(s) <input checked="" type="checkbox"/>	✓	✓	Exposed bedrock <input checked="" type="checkbox"/>	✓	✓
Rapid(s) <input checked="" type="checkbox"/>	✓	✓	Exposed boulders <input checked="" type="checkbox"/>	✓	✓
Riffle(s) <input checked="" type="checkbox"/>	✓	✓	Unvegetated mid-channel bar(s) <input checked="" type="checkbox"/>	✓	✓
Ran(s) <input checked="" type="checkbox"/>	✓	✓	Vegetated mid-channel bar(s) <input checked="" type="checkbox"/>	✓	✓
Bank(s) <input checked="" type="checkbox"/>	✓	✓	Mature island(s) <input checked="" type="checkbox"/>	✓	✓
Bank(s) <input checked="" type="checkbox"/>	✓	✓	Unvegetated side bar(s) <input checked="" type="checkbox"/>	✓	✓
Pool(s) <input checked="" type="checkbox"/>	✓	✓	Vegetated side bar(s) <input checked="" type="checkbox"/>	✓	✓

Indicate predominant flow sequence (select up to three features): middle pool / run

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	1.6m	RIGHT BANK		
Banktop height (m)	0.5m	Water width (m)	1.4m	Banktop height (m)	0.4
Embanked height (m)		Water depth (m)	0.2m	Embanked height (m)	

If trushline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES (indicate total number of bank appropriate features)**

None  Number of Culverts = Weirs =  
 Footbridges = Roadbridges =  
 Outfalls = Fords =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Bridled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**F. CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**G. NOTABLE NUISANCE PLANT SPECIES (Use 0 or E (> 33% banklength) or LIFE pole LARGE STANDS of others eg)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**OPERATIONAL CHARACTERISTICS (check appropriate words)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - afforestation - fisheries management - silting - other =  
 Land Management: set-aside - buffer strip - headland - abandoned land - partitioned - MoD - other = cutback  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Other significant observations: Pollarded resectioned trees, some banks, over deep channel now recovered

**S. ALDERS (tick appropriate box(es))**

Alders: None  Present  Extensive  Diseased Alders? None  Present  Extensive





1996 RIVER HABITAT SURVEY with IFB inbds for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6005  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Tributary - 1 Low  
 Date: 2/15/1996 Time: 13:25 Surveyor name: HO Accreditation code: PF7

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vcc  concave/bowl (if U-shaped glacial valley - add "U")   
 deep vcc  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS, AND POINT BARS (Indicate total number)**

Riffles: 10 Unvegetated point bars  
 Pools: 5 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use JHT) for Riffles  Pools  Unveg. side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK: TICE if functional fence										
Material <sup>1</sup> NY,RE,NO,CO,CS,EA,PE,CL,CS,SP,WP,GA,BA,BA,EW	GA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>2</sup> NY,NO,RS,RI,PC,BA,EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <sup>3</sup> NY,NO,EC,SC,FB,VP,SR,VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL: NEW substrate shape codes <sup>4</sup> FL,OV,EL,SP,CU,PO,IL,OH,IR,WH	GP	LP	SI	GP	GP	GP	GP	GP	GP	GP
Channel substrate <sup>5</sup> NY,RE,NO,CO,CS,EA,PE,CL,CS,SP,WP,GA,BA,BA,EW	GP	LP	SI	GP	GP	GP	GP	GP	GP	GP
Substrate shape <sup>6</sup> FL,OV,EL,SP,CU,PO,IL,OH,IR,WH	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO
Flow type <sup>7</sup> FF,CH,WP,UN,CS,RP,UP,SM,RP,NO	SM	RP	NP	RP	NP	RP	RP	SM	SM	SM
Channel modification(s) <sup>8</sup> NY,NO,RS,RI,PC,BA,EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <sup>9</sup> NY,NO,EC,SC,FB,VP,SR,VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: TICE if functional fence										
Material <sup>1</sup> NY,RE,NO,CO,CS,EA,PE,CL,CS,SP,WP,GA,BA,BA,EW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>2</sup> NY,NO,RS,RI,PC,BA,EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <sup>3</sup> NY,NO,EC,SC,FB,VP,SR,VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	IG	IG	CP	CP	CP	SC	IG
LEFT BANK TOP (structure within 1m) <sup>1</sup> BL/SC	L	S	B	L	U	U	U	S	S	U
LEFT BANK FACE (structure) <sup>2</sup> BL/SC	V	U	S	U	B	B	B	B	S	L
RIGHT BANK FACE (structure) <sup>3</sup> BL/SC	U	U	U	U	B	B	B	B	S	U
RIGHT BANK TOP (structure within 1m) <sup>4</sup> BL/SC	U	U	U	U	U	U	U	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	CP	CP	CP	TH	IG

**G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m<sup>2</sup> catch all)**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg free-linear-leaved										
Filamentous algae										

SITE NO. 6005 1996 RIVER HABITAT SURVEY: 500m SWEEP UP Page 3 of 4

**E LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or tick (present) 500m<sup>2</sup> catch all)**

	L	R		L	R
Broadleaf/maint woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)	E	E	Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ rank vegetation (TH)			Suburban/urban development (SU)		

**F CHANNEL DIMENSIONS AND SPECIAL FEATURES (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	12m	RIGHT BANK	
Banktop height (m)	0.6		Water width (m)	1.0
Embanked height (m)			Water depth (m)	0.05
			Banktop height (m)	0.4
			Embanked height (m)	

If trampling lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**G SPECIAL FEATURES (tick appropriate box(es))**

None  Number of Culverts = 11 (2) Weirs = Footbridges = Outfalls = Fords =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**H EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**I FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**J CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**K NOTABLE NUISANCE PLANT SPECIES Use 0 or E (≥ 33% banklength) IFE site LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**L CHANNEL CHARACTERISTICS (Circle appropriate water flow features)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail industry - housing - mining - quarrying - overdeepening - (reforestation) fisheries management - alding - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = sheep grazing + CP

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: block of calluna heath in otherwise dense grassy grass.

**M ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Disused Alders? None  Present  Extensive

**TRISES (tick one box per feature)**

TRISES	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-conscious	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**N CHANNEL DIMENSIONS AND SPECIAL FEATURES (to be measured at one site on a straight uniform section, preferably across a riffle)**

	None	Present E (≥ 33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features): riffle, pool - glide

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6006  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Bolbrod Burn  
 Date: 21.5.1996 Time: 14.45 Surveyor name: HO Accreditation code: PF7

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (If U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT-BARS (indicate total number)**

Riffles 0 Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (use JHT) for Riffles HT Pools \_\_\_\_\_ Unveg. side bars \_\_\_\_\_ Veg point bars \_\_\_\_\_

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) 1 = one entry only**

Spot check 1 is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK: TICE if functional fence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Material <sup>NY, BL, BO, CO, CS, GA, PE, CL, CC, SP, NP, GA, RR, BB, BV</sup>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>NE, NO, RS, RI, PC, BA, EM</sup>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <sup>NY, NO, EC, SC, PB, VP, SB, VS</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL: NEW: substrate shape codes <sup>SP, GP, CP, GP, GP, GP, GP, GP, GP</sup>	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Channel substrate <sup>NY, BL, BO, CO, CS, GA, PE, CL, CC, SP, NP, GA, RR, BB, BV</sup>	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape <sup>FL, OV, EL, SP, CU, PO, IR, Other: none</sup>	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO
Flow type <sup>FT, OI, BV, UN, CF, RP, UP, SW, NP, NO</sup>	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) <sup>NE, NO, RS, RI, PC, BA, EM</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <sup>NY, NO, EC, SC, PB, VP, SB, VS</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: TICE if functional fence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Material <sup>NY, BL, BO, CO, CS, GA, PE, CL, CC, SP, NP, GA, RR, BB, BV</sup>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>NE, NO, RS, RI, PC, BA, EM</sup>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <sup>NY, NO, EC, SC, PB, VP, SB, VS</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, VE, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) <sup>BU/S/C</sup>	U	U	U	U	U	S	U	S	S	S
LEFT BANK FACE (structure) <sup>BU/S/C</sup>	U	U	U	U	U	S	U	S	S	S
RIGHT BANK FACE (structure) <sup>BU/S/C</sup>	U	U	U	U	U	S	U	S	S	S
RIGHT BANK-TOP (structure within 1m) <sup>BU/S/C</sup>	U	U	U	U	U	S	U	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

**G. CHANNEL VEGETATION TYPES (10m wide transect: E (2-33% area) or tick (presence) 500m reach only)**

NONE / PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg broad-leaved herbs <sup>W. meadow, Calluna</sup>										
Emerg reeds/sedges/rushes <sup>Lychnis, Najas</sup>										
Floating-leaved (rooted) <sup>Callitriche</sup>										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	E	E	E	E	E	E	E	E	E

SITE NO. 6006 1996 RIVER HABITAT SURVEY: 500m SWEEP-UP Page 3 of 4

**H. BANK LAND USE WITHIN 5m OF BANKTOP (Use E (2-33% banklength) or tick (presence))**

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)	<input checked="" type="checkbox"/>		Suburban/urban development (SU)		

**I. BANK PROFILE**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	<input checked="" type="checkbox"/>		Re-sectioned	E	E
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gastle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**J. PREVALENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2-33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**K. SYSTEM OF BANK PROTECTINGS**

	None	Present E (2-33%)		None	Present E (2-33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ooid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): riffle/glide

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**L. CHANNEL DIMENSIONS (to be measured on one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	1-5	RIGHT BANK	Banktop width (m)	1-5
Banktop height (m)	<u>0.5</u>		Banktop height (m)	<u>0.5</u>	
Embankment height (m)	<u>0.2</u>		Embankment height (m)	<u>0.2</u>	

If trapezoid lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M. PARTIAL FEATURES (indicate presence, absence or tick (presence) 500m reach only)**

None  Number of Culverts = 1 Weirs = \_\_\_\_\_ Outfalls = 1 Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

In water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flub

**P. CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q. NOTABLE NUISANCE PLANT SPECIES Use U or E (2-33% banklength) IFE: note LARGE STANDS of others**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle/Rhododendron bracken

**R. OVERALL CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - siting - other? = filled land

Lead Management: set-aside - buffer strip - woodland - abandoned land - partition - MoD - other? = filled land

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: bed quite compacted

**S. ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Decayed Alders? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6007  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Woolar Water  
 Date 22.15.1996 Time: 08:55 Surveyor name: MD Accreditation code: P.F.Z.  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 5 Unvegetated point bars  
 Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOEKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see sheet) for Riffles  Pools Unveg. side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) 1 = none entry only**

Spot check 1 is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material <sup>NY,AL,NO,CO,CS,EA,PE,CL,CC,SP,PP,GA,BR,RE,BW</sup>	EM	EP	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>NR,NO,RS,RI,PC,BA,EM</sup>	EM	EP	EM	EM	EM	EM	EM	EM	EM	EM
Bank feature(s) <sup>NY,NO,EC,SC,PR,VP,SB,VS</sup>	N	N	N	N	N	N	N	N	N	N
<b>CHANNEL</b> (tick <input checked="" type="checkbox"/> NEW, <input type="checkbox"/> MODIFIED, <input type="checkbox"/> SHIP CODES, <input type="checkbox"/> FLOW DIRECTION, <input type="checkbox"/> CHANNEL CHARACTER, <input type="checkbox"/> CHANNEL STATUS, <input type="checkbox"/> CHANNEL WIDTH										
Channel substrate <sup>NY,AL,NO,CO,CP,SA,SI,CL,PEAR</sup>	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Substrate shape <sup>FLOY,EL,SP,CU,PO,IR,CH,CR,CH,CR</sup>	OV	OV	OV	OV	OV	OV	OV	OV	OV	OV
Flow type <sup>FF,CH,BW,UV,CF,RP,UP,SM,SP,ND</sup>	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s) <sup>NR,NO,RS,RI,PC,BA,EM</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <sup>NY,NO,EC,SC,PR,VP,SB,VS</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>										
Material <sup>NY,AL,NO,CO,CS,EA,PE,CL,CC,SP,PP,GA,BR,RE,BW</sup>	EA	EP	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>NR,NO,RS,RI,PC,BA,EM</sup>	EM	EM	EM	EM	EM	EM	EM	EM	EM	EM
Bank feature(s) <sup>NY,NO,EC,SC,PR,VP,SB,VS</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CT, DR, MH, SC, TH, RP, IG, JL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP (structure within 1m) <sup>BR/US/SC</sup>	S	U	U	U	U	S	S	S	U	U
LEFT BANK FACE (structure) <sup>BR/US/SC</sup>	U	U	S	U	U	B	S	U	U	U
RIGHT BANK FACE (structure) <sup>BR/US/SC</sup>	B	S	S	U	B	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) <sup>BR/US/SC</sup>	U	S	U	U	U	S	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	JG	SC	IG	IG	IG	IG	SC	SC	SC	SC

**G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m channel)**

NONE / PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

SITE NO. 6007 1996 RIVER HABITAT SURVEY: 500m SWEEP UP Page 3 of 4

**E LAND USE WITHIN 5m OF BANKTOP (L) (≥ 33% banklength) or tick (present)**

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**F CHARACTERISTICS OF CHANNEL VEGETATION**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recoiled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>		Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (>45°)	<input checked="" type="checkbox"/>		Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>		Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite			Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Poached	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set-back embankments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**I EXTENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-cohesive	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**J TYPES OF CHANNEL VEGETATION**

	None	Present E (≥ 33%)		None	Present E (≥ 33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ran(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): riffle from

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**K CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	12	RIGHT BANK	
Banktop height (m)	Water width (m)	11.25	Banktop height (m)	0.75
Embanked height (m)	Water depth (m)	0.2	Embanked height (m)	2m

If trashes lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**L MAJOR PHYSICAL FEATURES (indicate total number, or tick appropriate box(es))**

None  Number of Culverts = Footbridges = Weirs = 1 Roadbridges = Outfalls = Other = 1  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**M EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dragging  Mowing  Weed-cutting   
 Enhancement  Other? State:

**N FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**O CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**P NOTABLE NUISANCE PLANT SPECIES Use U or E (≥ 33% banklength) IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**Q OVERALL CHARACTERISTICS (Circle appropriate words; add others as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail (industry) housing - mining - quarrying - overcropping - afforestation - fisheries management - silt - other =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other = industrial grazing

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Embankment river set back in places, gorge area also inside embankments. Indusoidal site on left bank, grazing on the right.

**R ALDER (tick appropriate box(es))**

Alders? None  Present  Extensive  Dispersed Alders? None  Present  Extensive







1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing - Page 1 of 4

**A. BACKGROUND, MAP-BASED INFORMATION**

Altitude(m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6010  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: Long Nanny  
 Date: 22.1.5/1996 Time: 12:15 Surveyor name: MO Accreditation code: PF.7  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles \_\_\_\_\_ Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WARWICK, RH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (see ID) for - Rifles Pools Unveg. side bars Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK if functional fence	✓	✓	✓							
Material (W, M, B, C, G, L, P, C, L, C, C, P, W, G, M, B, R, W)	GA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (N, M, R, S, P, C, B, M, E, M)	NO	NO	NO	PC	PC	PC	PC	PC	PC	PC
Bank feature(s) (W, M, E, C, S, C, P, R, V, S, V)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (W, M, B, C, G, L, P, C, L, C, C, P, W, G, M, B, R, W)	NV	NV	NV	NV	ST	NV	NV	NV	NV	NV
Substrate shape (FL, OV, EL, SP, CU, PO, TR, Other - name)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Flow type (FF, CB, W, W, CF, RP, UP, SM, NP, NO)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Channel modification(s) (M, M, C, V, A, S, R, D, A, F, O)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (W, M, R, S, P, C, B, M, E, M)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**R. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RL, CP, OR, MH, SC, TH, RP, AG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	WL	WL	WL	WL	WL	WL	WL	WL	WL	WL
LEFT BANK TOP (structure within 1m) (M, U, S, C)	V	V	V	V	V	V	V	V	V	V
LEFT BANK FACE (structure) (M, U, S, C)	V	V	V	V	V	V	V	V	V	V
RIGHT BANK FACE (structure) (M, U, S, C)	V	V	V	V	V	V	V	V	V	V
RIGHT BANK TOP (structure within 1m) (M, U, S, C)	V	V	V	V	V	V	V	V	V	V
LAND USE WITHIN 5m OF BANK TOP (R)	WL	WL	WL	WL	WL	WL	WL	WL	WL	WL

**Q. CHANNEL VEGETATION TYPES (10m wide transect: E (2-33% cover) or tick (presence) only - one entry only)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg roots/stems/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY: 500m SWEEP UP Page 3 of 4

**LAND USE WITHIN 5m OF BANKTOP (E (2-33% cover) or tick (presence) only - one entry only)**

	L	R		L	R
Broadleafed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)	✓	✓
Scrub (SC)			Open water (OW)		
Tall herbs / reed vegetation (TH)			Suburban/urban development (SU)		

**ARTIFICIAL FEATURES (tick appropriate box(es))**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/rockcut	✓	✓	Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (>45)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Punished		
			Embanked		
			Set-back embankments		

**EXTENT OF TREES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi-continuous			Underwater tree roots		
Continuous			Fallen trees		
			Coarse woody debris		

**ARTIFICIAL FEATURES (tick appropriate box(es))**

Waterfall(s)	None	Present E	Marginal dead-water	None	Present E (≥ 33%)
Cascade(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid-channel bar(s)		
Run(s)			Vegetated mid-channel bar(s)		
Boil(s)			Mature island(s)		
Slide(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): *g-fide or local flow*

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site in a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	9m	RIGHT BANK	
Banktop height (m)	Water width (m)	8m	Banktop height (m)	1m
Embanked height (m)	Water depth (m)	71.5m	Embanked height (m)	

If trushline lower than banktop break in slope, indicate: height (m) = width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES (tick appropriate box(es))**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State \_\_\_\_\_

**O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  salt Marsh   
 Leafy debris  Fen  Flush

**P. CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q. NOTABLE NUISANCE PLANT SPECIES (E (≥ 33% banktop)) IFE note: LARGE STANDS of \_\_\_\_\_**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle/Rhododendron bracken

**R. OVERALL CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - tilting - other? = \_\_\_\_\_

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = *chop + cattle grazing*

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: *Probably tidal, bed material sand or silt.*

**S. ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFB mods for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6011  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: *Vsway Burn*  
 Date: 23.5.1996 Time: 10.15 Surveyor name: *HO* Accreditation code: *7477*  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS: (Indicate total number)**

Riffles: *10* Unvegetated point bars:  
 Pools: *10* Vegetated point bars:

SEND COMPLETED FORMS WEEKLY plus all water samples and express claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TBN SPOT CHECKS Page 2 of 4

TALLY (use IFB) for - Riffles Pools Unveg. side bars Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK: TICK if functional fence										
Material <i>WV,AE,NO,CO,GE,EA,PE,CL,CC,SP,WP,CA,BA,RP,RY</i>	<i>PE</i>	<i>BE</i>	<i>BE</i>	<i>BE</i>	<i>EA</i>	<i>BE</i>	<i>BE</i>	<i>EA</i>	<i>EA</i>	<i>EA</i>
Bank modification(s) <i>NE,NO,ES,RP,CA,BA,EM</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>
Bank feature(s) <i>WV,NO,EC,SC,FR,VP,SR,YS</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>
CHANNEL: <i>NE,NO,ES,RP,CA,BA,EM</i> (circle appropriate words, add others as necessary)										
Channel substrate <i>WV,AE,NO,CO,GE,EA,PE,CL,CC,SP,WP,CA,BA,RP,RY</i>	<i>BO</i>	<i>BO</i>	<i>BO</i>	<i>CO</i>	<i>BE</i>	<i>CO</i>	<i>BE</i>	<i>BE</i>	<i>BE</i>	<i>CO</i>
Substrate shape <i>FL,OV,EL,SP,CO,PO,IR,OH,OV,NO</i>	<i>PO</i>	<i>PO</i>	<i>PO</i>	<i>PO</i>	<i>CU</i>	<i>CU</i>	<i>CU</i>	<i>CU</i>	<i>CU</i>	<i>CU</i>
Flow type <i>FT,CH,BS,UM,CF,RP,UP,SM,RP,NO</i>	<i>RP</i>	<i>CH</i>	<i>RP</i>	<i>CH</i>	<i>RP</i>	<i>RP</i>	<i>ON</i>	<i>RP</i>	<i>RP</i>	<i>RP</i>
Channel modification(s) <i>NE,NO,ES,RP,CA,BA,EM</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>
Channel feature(s) <i>WV,NO,EC,SC,FR,VP,SR,YS</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>
RIGHT BANK: TICK if functional fence										
Material <i>WV,AE,NO,CO,GE,EA,PE,CL,CC,SP,WP,CA,BA,RP,RY</i>	<i>EA</i>	<i>BE</i>	<i>BE</i>	<i>BE</i>	<i>EA</i>	<i>BE</i>	<i>BE</i>	<i>EA</i>	<i>EA</i>	<i>EA</i>
Bank modification(s) <i>NE,NO,ES,RP,CA,BA,EM</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>
Bank feature(s) <i>WV,NO,EC,SC,FR,VP,SR,YS</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>	<i>NO</i>

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from *BE, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU*

LAND USE WITHIN 5m OF BANKTOP (L)	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH
LEFT BANK-TOP (structure within 1m) <i>BAUSC</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>
LEFT BANK FACE (structure) <i>BAUSC</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>
RIGHT BANK FACE (structure) <i>BAUSC</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>
RIGHT BANK-TOP (structure within 1m) <i>BAUSC</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>	<i>U</i>
LAND USE WITHIN 5m OF BANK TOP (R)	<i>MH</i>	<i>MH</i>	<i>MH</i>	<i>MH</i>	<i>MH</i>	<i>MH</i>	<i>MH</i>	<i>MH</i>	<i>MH</i>	<i>MH</i>

**G. CHANNEL VEGETATION SCORES (10m wide transect: E (≥ 33% area) or tick (Green) 50% or more)**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens <i>PS</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs										
Emerg roots/sedges/rushes <i>JUNGL</i>										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 6011 1996 RIVER HABITAT SURVEY: SOGS SWEEP UP Page 3 of 4

**LAND USE WITHIN 5m OF BANKTOP (E (≥ 33% banklength) or tick (Green) 50% or more)**

	L	R		L	R
Broadleaved/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)	<i>100%</i>	<i>100%</i>	Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - wet vegetation (TH)			Suburban/urban development (SU)		

**VALLEY FORMS**

Natural/nomadic	L	R	Artificial/modified	L	R
Vertical/undercut	<i>U</i>	<i>U</i>	Reinforced		
Vertical + toe	<i>U</i>	<i>U</i>	Reinforced - whole bank		
Steep (>45°)	<i>U</i>	<i>U</i>	Reinforced - top only		
Grade	<i>U</i>	<i>U</i>	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**SCIENCE OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
None	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**CHANNEL CHARACTERISTICS**

	None	Present E (≥ 33%)		None	Present E (≥ 33%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Caecium(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): *run/step*

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**I. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m) ±0.5	<i>6.5m</i>	RIGHT BANK		
Banktop height (m)	<i>0.5</i>	Water width (m)	<i>6m</i>	Banktop height (m)	<i>0.5</i>
Embanked height (m)	<input checked="" type="checkbox"/>	Water depth (m)	<i>0.4m</i>	Embanked height (m)	<input checked="" type="checkbox"/>

If tree line lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**J. ARTIFICIAL FEATURES (tick appropriate box(es))**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? *State*

**O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P. CHOKED CHANNEL: (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q. NOTABLE NUISANCE PLANT SPECIES Use U or E (≥ 33% banklength) IFB note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? *None Rhododendron track*

**R. MAJOR IMPACTS (circle appropriate words, add others as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - (forestry) fisheries management - afforestation - other? = *upstream*

Land Management: set-aside - buffer strip - hedland - abandoned land - parkland (MOD) other? = *sheep grazed*

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: *white coloured brown - may be linked to carbon*  
*plastic up stream of site*

**S. ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing. Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. CHANNEL SURVEY DETAILS**

Reference network site number: 6012  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: *Breamish*  
 Date: 24.5.1996 Time: 08.45 Surveyor name: *HD* Accreditation code: *P.F.F.*

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/bowl  
 (If U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate count)**

Riffles: 3 Unvegetated point bars  
 Pools: \_\_\_\_\_ Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (see diff) for - Riffles (1) Pools Veg. side bars Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - 1 = one entry only**

Spot check 1 is: upstream  downstream

LEFT BANK TICKET if functional fence	1	2	3	4	5	6	7	8	9	10
Material <i>EA EA EA EA EA EA EA EA EA EA</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>NE NO NE NO NE NO NE NO NE NO</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <i>NO NO NO NO NO NO NO NO NO NO</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <i>CO CO CO CO CO CO CO CO CO CO</i>	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape <i>CU PU PU PU PU PU PU PU PU PU PU</i>	CU	PU	PU	PU	PU	PU	PU	PU	PU	PU
Plan type <i>RP RP RP RP RP RP RP RP RP RP</i>	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s) <i>NE NO NE NO NE NO NE NO NE NO</i>	NE	NO	NE	NO	NE	NO	NE	NO	NE	NO
Channel feature(s) <i>CO CO CO CO CO CO CO CO CO CO</i>	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
RIGHT BANK TICKET if functional fence	1	2	3	4	5	6	7	8	9	10
Material <i>EA EA EA EA EA EA EA EA EA EA</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>NE NO NE NO NE NO NE NO NE NO</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <i>NO NO NO NO NO NO NO NO NO NO</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MR, SC, TH, SP, KC, FL, WL, OP, SU

LAND USE WITHIN 5m OF BANKTOP (L)	MP	MP	MP	MP	MP	MP	MP	MP	MP	MP
LEFT BANK-TOP (structure within 1m) BAUSC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BAUSC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BAUSC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) BAUSC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	MP	MP	MP	MP	MP	MP	MP	MP	MP	MP

**G. CHANNEL VEGETATION TYPES (10m wide transect: 2 (2-33% cover) or tick (approx) 50% cover)**

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens	<i>SPS</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs	<i>Large perennials, halophytes</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg reeds/sedges/rushes	<i>perennials</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged free-floating										
Filamentous algae										

SITE NO. 6012 1996 RIVER HABITAT SURVEY: 500M SWEEP Page 3 of 4

**LAND USE WITHIN 5m OF BANKTOP (L/R: 50% banktop) or tick (approx) 50% cover**

	L	R		L	R
Broad/mailed woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		
Coniferous plantation (CP)		<input checked="" type="checkbox"/>	Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs + wet vegetation (TH)			Suburban/urban development (SU)		

**ARTIFICIAL/MODIFIED**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/vertical	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		
Vertical + lean	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank		
Steep (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**IDENTITY OF TREES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)
None	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	None
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Present E (2-33%)
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs
Scrub-coastal	<input type="checkbox"/>	<input type="checkbox"/>	None
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Present E (2-33%)
			Exposed bankside roots
			None
			Underwater tree roots
			None
			Fallen trees
			None
			Coarse woody debris
			None

**WATERFALLS**

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (2-33%)
Overfalls(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapids(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Grill(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): *Run*

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight, uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	<i>11m</i>	RIGHT BANK	
Banktop height (m)	Water width (m)	<i>10m</i>	Banktop height (m)	<i>0.6m</i>
Embanked height (m)	Water depth (m)	<i>0.35m</i>	Embanked height (m)	

If trudging lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**PHYSICAL ATTRIBUTES (to be measured at one site on a straight, uniform section, preferably across a riffle)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes < 33% of site  > 33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bruid/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE NUISANCE PLANT SPECIES (2-3% banktop) IFE note LARGE STANDS of other**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? *Notio Rhododendron fructus*

**OVERALL CHARACTERISTICS (to be measured at one site on a straight, uniform section, preferably across a riffle)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - siltation - fisheries management - sitting - other? \_\_\_\_\_

Land Management: set-back - buffer strip - bankline - abandoned land - pasture - Mod - other = *EROP grazed*

Animals: *grass, banks, baken + gorge* *Redstart*  
 otter - stick - water vole - kingfisher - dipper - grey wagtail - mud snail - heron - dragonflies/damselflies

Other significant observations: \_\_\_\_\_

**SCALE BAR (tick appropriate box(es))**

Absent? None  Present  Extensive  Damaged Absent? None  Present  Extensive







1996 RIVER HABITAT SURVEY with IPB mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6017  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Coquet  
 Date: 23/5/1996 Time: 12.15 Surveyor name: H.O. Accreditation code: PF7  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (Indicate total number)**

Riffles: 2 Unvegetated point bars:  
 Pools: 1 Vegetated point bars:

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use IM) for - Riffles  Pools  Unveg. side bars  Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>	TICE if functional fence: <input checked="" type="checkbox"/>									
Material <sup>WV, BE, BO, CO, GS, EA, PE, CL, CC, SP, NP, CA, BR, BR, BW</sup>	BE	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>NE, NO, NS, RP, CA, BR, BR, BW</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <sup>WV, NO, EC, SC, PR, VP, SB, VS</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b> <sup>NEW - substrate shape codes</sup>	FL, OV, FL, SP, CU, PO, R, Others - none									
Channel substrate <sup>WV, BE, BO, CO, GP, SA, SH, CL, PE, EA</sup>	CO	BE	CO	CO	GP	GP	GP	BE	GP	BE
Substrate shape <sup>FL, OV, FL, SP, CU, PO, R, Others - none</sup>	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type <sup>FF, CH, BV, LW, CT, RP, UP, SM, NP, NO</sup>	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s) <sup>NE, NO, NS, RP, CA, BR, BR, BW</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <sup>WV, NO, EC, SC, PR, VP, SB, VS</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>	TICE if functional fence: <input checked="" type="checkbox"/>									
Material <sup>WV, BE, BO, CO, GS, EA, PE, CL, CC, SP, NP, CA, BR, BR, BW</sup>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>NE, NO, NS, RP, CA, BR, BR, BW</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <sup>WV, NO, EC, SC, PR, VP, SB, VS</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, NH, SC, TH, RP, K, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	MH	MH	RP	MH	MH	MH	MH	MH	MH	MH
LEFT BANK-TOP (structure within 1m) <sup>BR/SC</sup>	V	V	V	S	V	V	V	V	V	V
LEFT BANK FACE (structure) <sup>BR/SC</sup>	V	V	V	V	V	V	V	V	V	S
RIGHT BANK FACE (structure) <sup>BR/SC</sup>	V	V	V	V	V	V	V	V	V	B
RIGHT BANK-TOP (structure within 1m) <sup>BR/SC</sup>	V	B	V	V	V	V	V	V	V	V
LAND USE WITHIN 5m OF BANK TOP (R)	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH

**G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) of tick (green) 500m reach only)**

NONE / PLANT GENERA - list first 5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg roots/scdgs/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. 6017 1996 RIVER HABITAT SURVEY: 500m SWEEP-UP Page 3 of 4

**H LAND USE WITHIN 50m OF BANKTOP: Use E (≥ 33% banklength) or 2 V profiles**

	L	R		L	R
Broadleaved/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)	100%	100%	Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/roset vegetation (TH)			Suburban/urban development (SU)		

**I CHANNEL FORMS**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/rockcut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Geotile			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

**J PREVALENCE OF TREES AND ASSOCIATED FEATURES**

<b>TREES</b> (tick one box per bank)	Left	Right	<b>ASSOCIATED FEATURES</b> (tick one box per feature)	None	Present E (≥ 33%)
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-coincident	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**K LIST OF CHANNEL FEATURES**

	None	Present E (≥ 33%)		None	Present E (≥ 33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Roam(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):  
 stop/run

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

<b>LEFT BANK</b>	Banktop width (m)	2.5m	<b>RIGHT BANK</b>
Banktop height (m)	0.5	Water width (m)	2.5m
Embanked height (m)		Water depth (m)	0.4
		Embanked height (m)	

If trusline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M ARTIFICIAL FEATURES (Indicate total number, or tick appropriate box(es))**

None  Number of Culverts = Weirs =  
 Footbridges = Roadbridges =  
 Outfalls = Fords =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing   
 Enhancement  Other? State:  *limp section formed & bankline planted*

**O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Broadleaved channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q NOTABLE NUISANCE PLANT SPECIES (Use 1 or E (≥ 33% banklength) - IFE plus LARGE STANDS of other eg)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  *Notic Rhododendron bracken*

**R CHANNEL CHARACTERISTICS (Circle appropriate words, add others as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - afforestation - fisheries management - silting - other =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland (MoD) other = *sheep grazed moorland*

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: *ripes appear on shallower section around cross section 4, 5 + 6. Embankment slopes steep - chert pan*

**S ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive





1996 RIVER HABITAT SURVEY with IFE mods for plant genera and feacing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code (Drift geology code) Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number 632  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: River: *Delaware River*  
 Date: *11/2/1996* Time: *2:25* Surveyor name: *HO* Accreditation code: *1*  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bod of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate count number)**

Rifles: Unvegetated point bars  
 Pools: Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and express claims TO  
 F.N. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

Channel type: *1* *2* *3* *4* *5* *6* *7* *8* *9* *10*

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1-10 (tick appropriate)

**LEFT BANK TICK if functional feacc**

Material	EA	EA	AD	BO	(A)	EA	EA	BC	SO	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL VEGETATION** (NEW - channel shape codes) (tick appropriate) (channel formation structure codes) (tick appropriate)

Channel substrate	CO	CO	BO	BE	BE	BO	BO	BO	BO	BO
Substrate shape	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Flow type	CF	CF	CF	CF	CF	CF	CF	CF	CF	CF

**RIGHT BANK TICK if functional feacc**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from *BL, CL, OL, HL, SC, DL, RP, SL, FL, WL, OW, SU*

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	OL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m) BWS/C	5	5	5	5	5	5	5	5	5	5
LEFT BANK FACE (structure) BWS/C	5	5	5	5	5	5	5	5	5	5
RIGHT BANK FACE (structure) BWS/C	5	5	5	5	5	5	5	5	5	5
RIGHT BANK TOP (structure within 1m) BWS/C	5	5	5	5	5	5	5	5	5	5
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

**G CHANNEL VEGETATION TYPES (10m wide transect: E (2-3% area) or tick (precious) SOW "catch all")**

NONE / PLANT GENERA - list first 5										
Rhizophyta/lichens										
Emerg broad-leaved herbs										
Emerg reeds/edges/marshes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerged fine-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY: SOIL SWEEP UP Page 3 of 4

**B LAND USE WITHIN 5m OF BANKTOP (L) (tick appropriate)**

Broadleaved woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/poor improved grass (IG)		
Orchard (OK)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ mud vegetation (TH)			Suburban/urban development (SU)		

**C CHANNEL VEGETATION TYPES (10m wide transect: E (2-3% area) or tick (precious) SOW "catch all")**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undisturbed			Reinforced		
Vertical + toe			Reinforced - whole bank		
Sharp (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

**D PREVALENT OR TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scrub continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

None	<input type="checkbox"/>	Present E (2-3%)	<input type="checkbox"/>	<input type="checkbox"/>
Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Waterfall(s)  Present E  Present S   
 Cascade(s)  Present E  Present S   
 Rapid(s)  Present E  Present S   
 Riffle(s)  Present E  Present S   
 Run(s)  Present E  Present S   
 Pool(s)  Present E  Present S   
 Oxbow(s)  Present E  Present S   
 Point(s)  Present E  Present S

Indicate predominant flow sequence (select up to three features):

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**C CHANNEL DIMENSIONS (to be measured at one site on a straight, uniform section, preferably across a riffle)**

LEFT BANK	Banktop height (m)	Banktop width (m)	15.7	RIGHT BANK	Banktop height (m)
	Embanked height (m)	Water width (m)	14.4		0.7
		Water depth (m)	0.4		Embanked height (m)

If waterline lower than banktop level in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)

Location of measurement is: riffle  run or glide  other  (tick one box)

**D PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

None  Number of Obverts = Weirs = Outfalls = Fords =  
 Footbridges = Bunkers = Other =

Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**E EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**F FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bridled/wide channels  Natural open water  Curt   
 Debris dams  Water meadow  Marsh   
 Loosey debris  Fens  Flats

**G CROCKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**H NOTABLE NUISANCE PLANT SPECIES (up to 5 (2-3% bank/area)) IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  Nettle  Rhododendron bracken

**I OVERALL CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill  tipping  fence  sewage  pollution  dredging  abstraction  mill  dam  road  rail  industry  housing  mining  quarrying  overgrazing  afforestation  fisheries management  algal  other? = *CP - cut back*  
 Land Management: set aside  buffer strip  landfill  abandoned land  parkland  MoD  other? = *CP - cut back*  
 Animals: otter  mink  water vole  kingfisher  dipper  grey wagtail  sand martin  heron  dragonfly/damselfly  
 Other significant observations: *many Shags*

**J ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discard Alders? None  Present  Extensive

(no leaved yet)



**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform Category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6023  
 Mid-site grid reference of network site if differs from designated location:

Grid Reference: River: Smallhope Burn  
 Date: 18.5.1996 Time: 18.00 Surveyor name: HD Accreditation code: PF.7  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIPPLES, POOLS AND POINT BARS (indicate total number)**

Ripples: 1 Unvegetated point bars: 2  
 Pools: 1 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.N. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WARRERAN, BN10 6BS

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE for details) Using 100% Lic. min. 147 Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* = one entry only**

Spot check 1 = spectrum (1)  2  3  4  5  6  7  8  9  10

**LEFT BANK TICK (if functional force)**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL** NEW substrate shape coded as: CC CO CO CO CO CO CO CO CO CO

Channel substrate: NO NO NO NO NO NO NO NO NO NO NO

Substrate shape: CO CO CO CO CO CO CO CO CO CO CO

Plan type: NO NO NO NO NO NO NO NO NO NO NO

Channel modification(s): NO NO NO NO NO NO NO NO NO NO NO

Channel feature(s): NO NO NO NO NO NO NO NO NO NO NO

**RIGHT BANK TICK (if functional force)**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CF, OH, MH, SC, TH, RP, FG, FL, WL, OW, SW

LAND USE WITHIN 5m OF BANKTOP (L)	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH
LEFT BANK-TOP (structure within 1m) BWSK	S	V	V	V	V	V	V	V	V	V
LEFT BANK FACE (structure) BWSK	S	V	V	V	V	V	V	V	V	V
RIGHT BANK FACE (structure) BWSK	S	V	V	V	V	V	V	V	V	V
RIGHT BANK-TOP (structure within 1m) BWSK	S	V	V	V	V	V	V	V	V	V
LAND USE WITHIN 5m OF BANK TOP (R)	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH

**G. CHANNEL VEGETATION TYPES (10m wide transect: E (2-33% area) or tick (generous) 500m wide transect)**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad leaved herbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emerg reeds/grass/rushes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating leaved (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fern-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerg fine/linear leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SITE NO. 6023 1996 RIVER HABITAT SURVEY: POOL SWEEP UP Page 3 of 4

**E. BANKTOP USE WITHIN 5m OF BANKTOP (E (2-33% bank length) or 2-3% pool)**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)	<u>100%</u>	<u>100%</u>	Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs + semi-vegetation (TH)			Suburban/urban development (SU)		

**F. CHARACTERISTICS OF CHANNEL VEGETATION**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Embanked	<input type="checkbox"/>	<input type="checkbox"/>
Vertical + toe	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input type="checkbox"/>
Leap (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Graze	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
Composts	<input type="checkbox"/>	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
			Poached	<input type="checkbox"/>	<input type="checkbox"/>
			Embanked	<input type="checkbox"/>	<input type="checkbox"/>
			Set back embankments	<input type="checkbox"/>	<input type="checkbox"/>

**G. EXTENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (2-33%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scrub-contiguous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**H. CHANNEL CHARACTERISTICS**

Waterfall(s)	None	Percent E	Marginal deadwater	None	Percent E (2-33%)
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): rip/run

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site, on a straight, uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	<u>3.75</u>	RIGHT BANK	Banktop height (m)	<u>0.6</u>
Banktop height (m)	<u>0.7</u>	Water width (m)	<u>3</u>	Banktop height (m)	<u>0.6</u>
Embanked height (m)		Water depth (m)	<u>0.27</u>	Embanked height (m)	

If bankline lower than banktop level in slope, indicate: height (m) =          width (m) =         

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**I. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)**

None  Number of Culverts =          Weirs =          Outfalls =          Fords =           
 Footbridges =          Roadbridges =          Other =         

In water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**J. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Draining  Mowing  Weed cutting   
 Enhancement  Other? State:         

**K. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):           
 Graded/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**L. CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**M. NOTABLE NUISANCE PLANT SPECIES (Use 0 for E (2-33% bank length) or 1 for large stands of other)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name:         

**N. RIVERFLOW CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - silt - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - logging - mining - quarrying - overtopping - effluent - fisheries management - silting - other? =         

Land Management: set aside - buffer strip - heathland - abandoned land - portland - MoD - other? =         

Animals: otter - mink - water vole - kingfisher - dipper - grey heron - mallard - grebe - heron - dragonfly/damselfly

Other significant observations: interlocking spurs with point bars, steep shores with deep pools, pools cleared as runs (with flow, irregular flow)

**O. ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Diamond Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IPB mods for plant growth and foraging Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/Lm) Flow category (1-10)  
 Solid geology code Dnfr geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number **6024**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **Rade**  
 Date: **9.5.1996** Time: **15.00** Surveyor name: **117** Accreditation code: **PEZ**  
 Adverse conditions affecting survey? No  Yes  If yes, state flow/dry etc. (specify)  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - odd 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIPPLES, POOLS AND POINT BARS. (indicate total number)**

Ripples **(1)** Unvegetated point bars  
 Pools **(1)** Vegetated point bars **(2)**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 8BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (see 201) for Efflux Pools 1 Unveg. side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide transect) - one entry only**

Spot check 1 = upstream CV downriver

	1	2	3	4	5	6	7	8	9	10
LEFT BANK / <b>RIGHT BANK</b> / <b>channel</b> / <b>functional fence</b>										
Material <b>EA EA EA EA EA EA EA EA EA EA</b>										
Bank modification(s) <b>NO NO NO NO NO NO NO NO NO NO</b>										
Bank feature(s) <b>NO NO NO NO NO NO NO NO NO NO</b>										
Channel substrate <b>GP GP GP GP GP GP GP GP GP GP</b>										
Substrate shape <b>CU SP SP SP SP SP SP SP SP SP</b>										
Flow type <b>UN UN UN UN UN UN UN UN UN UN</b>										
Channel modification(s) <b>NO NO NO NO NO NO NO NO NO NO</b>										
Channel feature(s) <b>NO NO NO NO NO NO NO NO NO NO</b>										

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from **BL, CL, DL, HL, IL, PL, RL, SL, TL, UL, VL, WL, XL, YL, ZL**

LAND USE WITHIN 5m OF BANKTOP (L)	<b>34</b>	<b>34</b>	<b>34</b>	<b>34</b>	<b>34</b>	<b>34</b>	<b>34</b>	<b>34</b>	<b>34</b>	<b>34</b>
LEFT BANK TOP (structure within 1m) <b>AUSC</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>
LEFT BANK FACE (structure) <b>AUSC</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>
RIGHT BANK FACE (structure) <b>AUSC</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>
RIGHT BANK TOP (structure within 1m) <b>AUSC</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>	<b>U</b>
LAND USE WITHIN 5m OF BANK TOP (R)	<b>34</b>	<b>34</b>	<b>34</b>	<b>34</b>	<b>34</b>	<b>34</b>	<b>34</b>	<b>34</b>	<b>34</b>	<b>34</b>

**G CHANNEL VEGETATION TYPES (10m wide transect: 0 (0% cover) or 1 (10% cover) or 2 (20% cover) or 3 (30% cover) or 4 (40% cover) or 5 (50% cover) or 6 (60% cover) or 7 (70% cover) or 8 (80% cover) or 9 (90% cover) or 10 (100% cover))**

NONE										
PLANT GENERA - list five										
Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent reed/sedge/rushes										
Flowering dicot (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved dicot										
Filamentous algae										

SITE NO. **6024** 1996 RIVER HABITAT SURVEY: 300M SWEEP Page 3 of 4

**LAND USE WITHIN 50M OF BANKTOP (to be measured over a 10m wide transect)**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/well improved grass (IG)	<b>100%</b>	<b>100%</b>
Orchard (OR)			Tilted land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb - wet vegetation (TH)			Suburban/urban development (SU)		

**WATERBODIES**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	<b>2</b>	<b>2</b>	Reinforced		
Vertical + toe			Reinforced - whole bank		
Deep (>4.5)		<b>E</b>	Reinforced - top only		
Leaky		<b>E</b>	Reinforced - toe only		
Composite		<b>E</b>	Artificial low-stage		
			Poached		
			Embanked		
			Set back embankments		

**PRESENT OR RECENT VEGETATION AND ASSOCIATED FEATURES**

TRACES (tick one box per bank)		ASSOCIATED FEATURES (tick one box per feature)	
Name	Left Right	Name	Percent E (% 10%)
Isolated/scattered	<input type="checkbox"/> <input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/> <input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/> <input type="checkbox"/>	Overhanging banks	<input type="checkbox"/> <input type="checkbox"/>
Occasional clumps	<input type="checkbox"/> <input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/> <input type="checkbox"/>
Small continuous	<input type="checkbox"/> <input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/> <input type="checkbox"/>
Continuous	<input type="checkbox"/> <input type="checkbox"/>	Fallen trees	<input type="checkbox"/> <input type="checkbox"/>
		Coarse woody debris	<input type="checkbox"/> <input type="checkbox"/>

**WATERBODIES AND CHANNELS**

Name	Percent E (% 10%)	Name	Percent E (% 10%)
Waterfall(s)	<input type="checkbox"/> <input type="checkbox"/>	Marginal ditch/weir	<input type="checkbox"/> <input type="checkbox"/>
Channel(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>	Exposed bankbed	<input type="checkbox"/> <input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>	Exposed bankbed	<input type="checkbox"/> <input type="checkbox"/>
Bank(s)	<input type="checkbox"/> <input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/> <input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/> <input type="checkbox"/>
Bank(s)	<input type="checkbox"/> <input type="checkbox"/>	Mature island(s)	<input type="checkbox"/> <input type="checkbox"/>
Old(s)	<input type="checkbox"/> <input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/> <input type="checkbox"/>
Pool(s)	<input type="checkbox"/> <input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/> <input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **ripple fields**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight section, preferably across a riffle)**

LEFT BANK	Banking width (m)	RIGHT BANK
Banktop height (m)	<b>0.8</b>	Banktop height (m)
Banktop width (m)	<b>12m</b>	Banktop height (m)
Embankment height (m)		Embankment height (m)
Water depth (m)	<b>0.10</b>	

If multiple banks then banking break in slope, indicate: height (m) = **3m** width (m) = **17m**

Bed material at site is: unconsolidated (compact)  unconsolidated (loose)  **bedrocks**

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURAL FEATURES**

Mass  Number of Culverts = Weirs = Outfalls = Forks =  
 Footbridges = Railbridges = Other =  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other?  Stone  Bank

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Bricked/side channels  Natural open water  Carr   
 Durable dams  Water meadow  Marsh   
 Leafy debris  Fun  Flush

**CHOPPED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? No  Yes

**PROTAR AND INVASIVE PLANT SPECIES (tick 0 or 1 for 33% cover, 2 for 66% cover, and 3 for 100% cover)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  **Mistle Throat**

**WATERBODIES AND CHANNELS (tick appropriate box(es))**

Major impacts: bed(s) - slipping - later - average - pollution - drought - obstruction - mill - dam - seal - mill industry - banking - mining - quarrying - overtopping - afforestation - education management - (state) other? =  
 Lead Management: no-embed - better only - bankbed - obstructed bed - perturbed - MoD - other? = **improved**   
 Animals: none - mist - water vole - kingfisher - dipper - grey egret - sand martin - heron - dragonfly/damselfly

Other significant observations: **evidence of a big flood Jan 96 - buried! debris - green algae. Some samplings being planted as vegetated point bars.**

**ADDITIONAL (tick appropriate box(es))**

Alarms? None  Present  Extensive  Damaged Alarms? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6027  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: River: Font  
 Date: 21/5/1996 Time: 17:30 Surveyor name: MD Accreditation code: PF7  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOL AND POINT BARS? (indicate total number)**

Riffles: 5 Unvegetated point bars:  
 Pools: 1 Vegetated point bars:

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRERAM, BR20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (use JHT for Riffles, HHT for Pools) Points: 1 Use 2 side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* = one only only**

Spot check 1 - upstream  downstream

**LEFT BANK TICK if functional fence**

Material	VE	VE	VE	VE	VE	VE	VE	VE	VE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL** NEW: substrate shape codes

Channel substrate	NY	NY	NY	NY	NY	NY	NY	NY	NY
Substrate shape	FL	FL	FL	FL	FL	FL	FL	FL	FL
Plan type	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK TICK if functional fence**

Material	VE	VE	VE	VE	VE	VE	VE	VE	VE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CT, DR, MH, SC, TM, SP, KC, FL, WL, OR, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m) BWS/C	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure) BWS/C	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BWS/C	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BWS/C	C	C	C	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL

**G CHANNEL VEGETATION TYPES (to be assessed across channel; E = 33% or more of bank top; S = 33% or more of bank face)**

NONE									
Plant genera - list first 5									
Bryophytes/lichens									
Emergent broad-leaved herbs									
Emergent needle/leaf/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerged fin-linear leaved									
Filamentous algae									

1996 RIVER HABITAT SURVEY: 500m SWEEP UP Page 3 of 4

**LAND USE WITHIN 5m OF BANKTOP (to be assessed across channel; E = 33% or more of bank top; S = 33% or more of bank face)**

Broadleaved/wooded (BL)									
Coniferous plantation (CP)									
Orchard (OR)									
Moorland/heath (MH)									
Scrub (SC)									
Tall herbs/seed vegetation (TH)									
Rough pasture (RP)									
Improved/semi-improved grass (IG)									
Tilled land (TL)									
Wetland (eg bog, marsh, fen) (WL)									
Open water (OW)									
Suburban/urban development (SU)									

**VEGETATION TYPES (to be assessed across channel; E = 33% or more of bank top; S = 33% or more of bank face)**

Natural/unmodified									
Vertical/monocot									
Vertical + tree									
Steep (>45)									
Gentle									
Composite									
Artificial/modified									
Revegetated									
Reinforced - whole bank									
Reinforced - top only									
Reinforced - toe only									
Artificial two-stage									
Punched									
Embedded									
Set-back embankment									

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**D FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**F CHOSED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**G NOTABLE RUISSANCE PLANT SPECIES Use O or E (E = 33% bank top)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? State: \_\_\_\_\_

**H PHYSICAL CHARACTERISTICS (circle appropriate water flow and channel characteristics)**

Major impacts:  logging  other: sewage, pollution, drought, abstraction, soil, dam, road, rail, industry, burning, quarrying, overstocking, afforestation, fisheries management, silting, other? = \_\_\_\_\_  
 Land Management:  fence development  left bank  other? = \_\_\_\_\_  
 Animals:  otter  water vole  largemouth  slipper  grey wagtail  mud martin  heron  dragonfly/damselfly  
 Other significant observations: \_\_\_\_\_

**I BARRIERS (tick appropriate box(es))**

None  Physical  Extensive  Damaged Abdon? None  Present  Extensive

Indicate predominant flow sequence (select up to three features): *run / glide / riffle*

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	14.3	RIGHT BANK	Banktop width (m)	0.5
	Banktop height (m)	0.45		Banktop height (m)	0.5
	Water width (m)	12.7		Water depth (m)	0.15
	Embedded height (m)			Embedded height (m)	

If waterline lower than banktop bank is slope, indicate: height (m) = width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**NATURAL FEATURES (tick appropriate box(es))**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Overfalls = 3 \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Rambridges = 1 \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by overfalls? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**D FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**F CHOSED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**G NOTABLE RUISSANCE PLANT SPECIES Use O or E (E = 33% bank top)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? State: \_\_\_\_\_

**H PHYSICAL CHARACTERISTICS (circle appropriate water flow and channel characteristics)**

Major impacts:  logging  other: sewage, pollution, drought, abstraction, soil, dam, road, rail, industry, burning, quarrying, overstocking, afforestation, fisheries management, silting, other? = \_\_\_\_\_  
 Land Management:  fence development  left bank  other? = \_\_\_\_\_  
 Animals:  otter  water vole  largemouth  slipper  grey wagtail  mud martin  heron  dragonfly/damselfly  
 Other significant observations: \_\_\_\_\_

**I BARRIERS (tick appropriate box(es))**

None  Physical  Extensive  Damaged Abdon? None  Present  Extensive

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6028  
 Mid-site grid reference of network site if differs from designated location:

Grid Reference: River: Home Bar  
 Date: 28.5.1996 Time: 12:30 Surveyor name: HO Accreditation code: PF.7

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles (2) Unvegetated point bars  
 Pools (8) Vegetated point bars

NO COMPLETED FORMS WEEELT plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOEKE, WARRERAN, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHUCKS Page 2 of 4

TALLY (see IFE) for: Rifles 2 Pools 8 Unveg. point bars 0 Veg. point bars 0

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one only only**

Spot check 1 in: upstream  downstream

LEFT BANK: (1) TICK if functional fence	1	2	3	4	5	6	7	8	9	10
Material (W, M, S, C, G, L, P, F, O, C, S, P, M, L, N, B, H, D)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	FS	RS	RS	PS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (W, M, S, C, G, L, P, F, O, C, S, P, M, L, N, B, H, D)	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Substrate shape (FL, OV, EL, SP, CU, PD, R, O, DM, ...)	/	/	/	/	/	/	/	/	/	/
Pool type (F, CH, SW, UP, CP, UP, SW, UP, NO)	NO	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: TICK if functional fence										
Material (W, M, S, C, G, L, P, F, O, C, S, P, M, L, N, B, H, D)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RL, CP, DR, NH, SC, TH, SP, KC, IL, WL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	RP	RP	RP	TH	TH	SC	SC
LEFT BANK TOP (structure within 1m) BUNSC	C	C	C	C	C	C	S	C	C	C
LEFT BANK FACE (structure) BUNSC	S	U	C	C	C	C	S	S	S	S
RIGHT BANK FACE (structure) BUNSC	U	U	S	S	B	B	S	S	S	S
RIGHT BANK TOP (structure within 1m) BUNSC	U	U	S	U	B	S	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	TH	TH	TH	SC	SC

**G. CHANNEL VEGETATION TYPES (tick one box only)**

NONE  PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg. Isoetes/leaved										
Filamentous algae										

ITE NO. 6028 1996 RIVER HABITAT SURVEY: 500m SWEEP UP Page 3 of 4

**A. LAND USE WITHIN 5m OF BANKTOP (L) (2-11% banktop)**

Woodland/woodland (WL)					
Uniform plantation (UP)					
Orchard (OR)					
Moorland/heath (MH)					
Grass (GR)					
all herbs / rest vegetation (RH)					

**B. LAND USE WITHIN 5m OF BANKTOP (R) (2-11% banktop)**

Rough pasture (RP)					
Improved/local improved grass (IG)					
Tilled land (TL)					
Wetland (eg bog, marsh, fen) (WL)					
Open water (OW)					
Suburban/urban development (SU)					

**C. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**D. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**E. TREES (tick one box per bank)**

None					
Isolated/scattered					
Regularly spaced, single					
Occasional clumps					
Scal continuous					
Continuous					

**F. ASSOCIATED FEATURES (tick one box per feature)**

Shading of channel					
Overhanging boughs					
Exposed bankside roots					
Underwater tree roots					
Fallen trees					
Coarse woody debris					

**G. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**H. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**I. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**J. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**K. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**L. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**M. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**N. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**O. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**P. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**Q. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**R. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**S. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**T. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**U. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**V. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**W. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**X. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**Y. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**Z. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AA. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AB. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AC. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AD. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AE. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AF. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AG. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AH. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AI. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AJ. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AK. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AL. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AM. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AN. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AO. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AP. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AQ. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AR. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AS. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AT. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AU. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AV. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AW. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AX. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AY. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**AZ. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BA. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BB. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BC. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BD. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BE. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BF. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BG. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BH. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BI. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BJ. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BK. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BL. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BM. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BN. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BO. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BP. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BQ. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BR. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal					
Artificial/modified					

**BS. CHANNEL VEGETATION TYPES (tick one box only)**

Natural/nominal	
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1996 RIVER HABITAT SURVEY with IPII mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Orth geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number **6030**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **unnamed**  
 Date: **15/11/1996** Time: **16:00** Surveyor name: **HO** Accreditation code: **P.F.F.**  
 Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles: Unvegetated point bars: **1**  
 Pools: Vegetated point bars:

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

**R PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* = one entry only**

Spot check 1 to upstream: 10=none, 9=poor, 8=moderate, 7=good, 6=very good, 5=excellent, 4=excellent, 3=excellent, 2=excellent, 1=excellent

**LEFT BANK** TICE if functional fence

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL** NEW - substrate shape codes =

Channel substrate	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape	CU	CU	CU	CU	CU	CU	CU	CU	CU
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK** TICE if functional fence

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BE, CP, DE, EH, EC, FH, GP, HG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	MH	MH	MH	CP	CP	CP	CP	CP	CP
LEFT BANK TOP (structure within 1m) ANUSC	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) ANUSC	U	U	U	B	B	B	B	B	B
RIGHT BANK FACE (structure) ANUSC	U	U	U	B	B	B	B	B	B
RIGHT BANK TOP (structure within 1m) ANUSC	U	U	U	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	CP	CP	CP	CP	CP	CP	CP	CP	CP

**G CHANNEL VEGETATION TYPES (10m wide transect: E for 33% areas or tick (precisely) other)**

NONE	PLANT GENERA - list first 5								
Bryophytes/lichens	1 m.s.	✓	E	✓	E	✓	E	✓	E
Emergent broad leaved herbs									
Emergent reeds/rushes									
Flowering leaved (rooted)									
Free floating									
Amphibious									
Submerged broad leaved									
Submerged fine leaved									
Filamentous alga									

\* CP = CF other common etc. (list)

SITE NO. **6030** 1996 RIVER HABITAT SURVEY 500m SWEEP UP Page 3 of 4

**A BANKTOP LAND USE WITHIN 5m OF BANKTOP (tick E for 33% banktop or tick (precisely) other)**

Broadleaved woodland (BL)									
Coniferous plantation (CP)	E	E							
Orchard (OR)									
Moorland/heath (MH)	✓								
Scrub (SC)									
Tall herb/ reed vegetation (TH)									

**B BANKTOP VEGETATION TYPES (tick E for 33% banktop or tick (precisely) other)**

Natural/wooded	L	R	Artificial/modified	L	R
Vertical/wooded	✓	✓	Revetment		
Vertical + tree			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**C BANKTOP TREES AND ASSOCIATED FEATURES (tick one box per bank)**

None	Left	Right	None	Present E (≥33%)
Isolated/scattered			Shading of channel	
Regularly spaced, single			Overhanging boughs	
Occasional clumps			Exposed bankside roots	
Some continuous	✓	✓	Underwater tree roots	
Continuous			Fallen trees	
			Canopy woody debris	

**D BANKTOP FEATURES (tick one box per feature)**

Waterfall(s)	None	Present E (≥33%)
Cascade(s)		
Rapid(s)		
Riffle(s)		
Run(s)		
Bank(s)		
Glide(s)		
Pool(s)		

Indicate predominant flow sequence (select up to three features): **chute from chute to flow**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**A CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m) <sup>1,2</sup>	<b>6.7m</b>	RIGHT BANK	
Banktop height (m)	Water width (m)	<b>5m</b>	Banktop height (m)	<b>1m</b>
Embankment height (m)	Water depth (m)	<b>0.2m</b>	Embankment height (m)	

If embankment lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Shallow

Location of measurement is: riffle  run or glide  other  (tick one box)

**B CHANNEL CHARACTERISTICS (tick one box per feature)**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**C EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State:

**D FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Braided/wide channels  Natural open water  Carr   
 Oxbow dams  Water meadow  Marsh   
 Leafy debris  Fens  Flush

**E CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**F NOTABLE NUISANCE PLANT SPECIES (tick E for 33% banktop, LIFE plus LARGE STANDS of others)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron fruticosum

**G RIVER CHANNEL CHARACTERISTICS (tick appropriate box(es); add others as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drainage - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-extraction (afforestation) - substrate management - silt - other? = **C. Plantation**

Land Management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = **C. Plantation**

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly  
 Other significant observations: **2 large trees - red**

**H ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Disturbed Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 5031  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Chardon Burn  
 Date: 11.5.1996 Time: 14.00 Surveyor name: MO Accreditation code: PF7  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles: 2, 3 Unvegetated point bars  
 Pools: 2 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAKARUA, BRNO 688

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see JRF) for Riffles (1) Pools (1) Unveg side bars Veg point bars

**H PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - in one survey only**

Spot check 1 is upstream  downstream

LEFT BANK	TICK if functional fence	RIFLES									
Material	BY NO CO CE EA PE CL CC SP VP CU BR BR SP	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO NO AS RI PC BR BR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO NO EC SC PR VP SB VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNELS	NEW substrate shape below	CHANNEL VEGETATION TYPES (10m wide transect: E = 25% cover or less (optimal) 500m 'catch all')									
Channel substrate	BY BR NO CO CE EA PE CL CC SP VP CU BR BR SP	CO	CO	CO	CO	CO	NO	CO	CO	CO	CO
Substrate shape	FL OV EL SP CU PO BR BR BR	EL	OV	CU	CU	CU	CU	CU	CU	CU	CU
Flow type	FL BR BR BR BR BR BR BR BR BR BR	RP	RP	RP	RP	RP	SM	RP	RP	RP	RP
Channel modification(s)	NO NO AS RI PC BR BR	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO NO EC SC PR VP SB VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK	TICK if functional fence	RIFLES									
Material	BY NO CO CE EA PE CL CC SP VP CU BR BR SP	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO NO AS RI PC BR BR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO NO EC SC PR VP SB VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**P BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MN, SC, TR, RP, HG, FL, WL, OV, BU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	BL	BL	BL	RP	BL
LEFT BANK TOP (structure within 1m) BWS/C	V	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BWS/C	V	S	V	S	V	S	S	S	S	V
RIGHT BANK FACE (structure) BWS/C	S	R	V	S	S	R	V	V	R	S
RIGHT BANK TOP (structure within 1m) BWS/C	S	V	S	V	S	V	V	V	V	V
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

**G CHANNEL VEGETATION TYPES (10m wide transect: E = 25% cover or less (optimal) 500m 'catch all')**

NONE / PLANT GENERA - list Ent 5											
Bryophytes/lichens											
Emerg broad-leaved herbs											
Emerg reeds/sedges/rushes											
Flowering broad-leaved											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged float/linear-leaved											
Filamentous algae											

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**I CHANNEL DIMENSIONS (to be measured at one site, on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	8.6	RIGHT BANK		
Banktop height (m)	0.5m	Water width (m)	7.5m	Banktop height (m)	0.6m
Embedded height (m)	1	Water depth (m)	0.25	Embedded height (m)	

If embank lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**J CHANNEL FEATURES**

None  Number of Obverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =  
 Is water impounded by weirs/bars? No  Yes, < 33% of site  > 33% of site

**K EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State:

**L FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Bridled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fens  Flush

**M CROCKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**N NOTABLE NOISANCE PLANT SPECIES (see U or E (2.33% banktop) - IFE lists LARGE STANDS of others eg)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron brachyotum

**O GOVERNMENT REGULATIONS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - information - fisheries management - alding - other? =

Land Management: net aside - buffer strip - hedland - abandoned land - pasture - MoD - other? = rough grazing  
 Sheep on right bank, grazing - horses on left  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations:

**P ADDRESS (tick appropriate box(es))**

Address? None  Present  Extensive  Discard Address? None  Present  Extensive

SITE NO. 6031 1996 RIVER HABITAT SURVEY: SOON SWEEP Page 3 of 4

**R BANK LAND USE WITHIN 5m OF BANKTOP (tick one box per feature)**

Broadleaf/mixed woodland (BL)	L	R	Rough pasture (RP)	L	R
Coniferous plantation (CP)	E	✓	Improved/mixed grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)		E	Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TR)			Suburban/urban development (SU)		

**S BANK TOPOGRAPHY (tick one box per feature)**

Material/modified	L	R	Artificial/modified	L	R
Vertical/erosion			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Geotile			Reinforced - toe only		
Composite			Artificial two-stage		
			Punched		
			Embedded		
			Set back embankments		

**T TREES (tick one box per bank)**

None	Left	Right	Shading of channel	None	Present E (2.33%)
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Course woody debris		

**U VEGETATION FEATURES (tick one box per feature)**

Waterfall(s)	None	Present E	Marginal downwater	None	Present E (2.33%)
Cascade(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid-channel bar(s)		
Run(s)			Vegetated mid-channel bar(s)		
Bank(s)			Natural island(s)		
Shade(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): run/cute/glide

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 1 of 4

**A: BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/m) Flow category (1-10)  
 Solid geology code Dmfi geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B: FIELD SURVEY DETAILS**

Reference network site number: 6022  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: North Tyne  
 Date: 15/11/1996 Time: 10:00 Surveyor name: HD Accreditation code: 1577  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C: PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D: NUMBER OF RIFFLES, POOLS, AND POINT BARS (Allocate total number)**

Riffles: \_\_\_\_\_ Unvegetated point bars: \_\_\_\_\_  
 Pools: \_\_\_\_\_ Vegetated point bars: \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

**E: PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* = one entry only**

Spot check 1 = upstream 2 = downstream

LEFT BANK	TICE (if functional focus)	1	2	3	4	5	6	7	8	9	10
Material (W, R, NO, CO, CE, LE, PE, CL, CC, SP, WP, GA, BA, BR, BV)		EA	EA								
Bank modification(s) (M, NO, ES, R, FC, BA, BA, BA)		N	N								
Bank feature(s) (W, NO, EC, SC, FC, R, P, SP, VI)		N	N								

**F: BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OH, MR, SC, TN, RP, RC, PL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) MUSC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) MUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) MUSC	C	S	S	C	C	C	C	C	C	C
RIGHT BANK FACE (structure) MUSC	B	BL	BL	BL	BL	BL	BL	BL	BL	BL

**G: CHANNEL VEGETATION TYPES (10m wide transect: E (2-33% bank), F (2-33% bank), G (2-33% bank), H (2-33% bank), I (2-33% bank), J (2-33% bank), K (2-33% bank), L (2-33% bank), M (2-33% bank), N (2-33% bank), O (2-33% bank), P (2-33% bank), Q (2-33% bank), R (2-33% bank), S (2-33% bank), T (2-33% bank), U (2-33% bank), V (2-33% bank), W (2-33% bank), X (2-33% bank), Y (2-33% bank), Z (2-33% bank), AA (2-33% bank), AB (2-33% bank), AC (2-33% bank), AD (2-33% bank), AE (2-33% bank), AF (2-33% bank), AG (2-33% bank), AH (2-33% bank), AI (2-33% bank), AJ (2-33% bank), AK (2-33% bank), AL (2-33% bank), AM (2-33% bank), AN (2-33% bank), AO (2-33% bank), AP (2-33% bank), AQ (2-33% bank), AR (2-33% bank), AS (2-33% bank), AT (2-33% bank), AU (2-33% bank), AV (2-33% bank), AW (2-33% bank), AX (2-33% bank), AY (2-33% bank), AZ (2-33% bank), BA (2-33% bank), BB (2-33% bank), BC (2-33% bank), BD (2-33% bank), BE (2-33% bank), BF (2-33% bank), BG (2-33% bank), BH (2-33% bank), BI (2-33% bank), BJ (2-33% bank), BK (2-33% bank), BL (2-33% bank), BM (2-33% bank), BN (2-33% bank), BO (2-33% bank), BP (2-33% bank), BQ (2-33% bank), BR (2-33% bank), BS (2-33% bank), BT (2-33% bank), BU (2-33% bank), BV (2-33% bank), BW (2-33% bank), BX (2-33% bank), BY (2-33% bank), BZ (2-33% bank), CA (2-33% bank), CB (2-33% bank), CC (2-33% bank), CD (2-33% bank), CE (2-33% bank), CF (2-33% bank), CG (2-33% bank), CH (2-33% bank), CI (2-33% bank), CJ (2-33% bank), CK (2-33% bank), CL (2-33% bank), CM (2-33% bank), CN (2-33% bank), CO (2-33% bank), CP (2-33% bank), CQ (2-33% bank), CR (2-33% bank), CS (2-33% bank), CT (2-33% bank), CU (2-33% bank), CV (2-33% bank), CW (2-33% bank), CX (2-33% bank), CY (2-33% bank), CZ (2-33% bank), DA (2-33% bank), DB (2-33% bank), DC (2-33% bank), DD (2-33% bank), DE (2-33% bank), DF (2-33% bank), DG (2-33% bank), DH (2-33% bank), DI (2-33% bank), DJ (2-33% bank), DK (2-33% bank), DL (2-33% bank), DM (2-33% bank), DN (2-33% bank), DO (2-33% bank), DP (2-33% bank), DQ (2-33% bank), DR (2-33% bank), DS (2-33% bank), DT (2-33% bank), DU (2-33% bank), DV (2-33% bank), DW (2-33% bank), DX (2-33% bank), DY (2-33% bank), DZ (2-33% bank), EA (2-33% bank), EB (2-33% bank), EC (2-33% bank), ED (2-33% bank), EE (2-33% bank), EF (2-33% bank), EG (2-33% bank), EH (2-33% bank), EI (2-33% bank), EJ (2-33% bank), EK (2-33% bank), EL (2-33% bank), EM (2-33% bank), EN (2-33% bank), EO (2-33% bank), EP (2-33% bank), EQ (2-33% bank), ER (2-33% bank), ES (2-33% bank), ET (2-33% bank), EU (2-33% bank), EV (2-33% bank), EW (2-33% bank), EX (2-33% bank), EY (2-33% bank), EZ (2-33% bank), FA (2-33% bank), FB (2-33% bank), FC (2-33% bank), FD (2-33% bank), FE (2-33% bank), FF (2-33% bank), FG (2-33% bank), FH (2-33% bank), FI (2-33% bank), FJ (2-33% bank), FK (2-33% bank), FL (2-33% bank), FM (2-33% bank), FN (2-33% bank), FO (2-33% bank), FP (2-33% bank), FQ (2-33% bank), FR (2-33% bank), FS (2-33% bank), FT (2-33% bank), FU (2-33% bank), FV (2-33% bank), FW (2-33% bank), FX (2-33% bank), FY (2-33% bank), FZ (2-33% bank), GA (2-33% bank), GB (2-33% bank), GC (2-33% bank), GD (2-33% bank), GE (2-33% bank), GF (2-33% bank), GG (2-33% bank), GH (2-33% bank), GI (2-33% bank), GJ (2-33% bank), GK (2-33% bank), GL (2-33% bank), GM (2-33% bank), GN (2-33% bank), GO (2-33% bank), GP (2-33% bank), GQ (2-33% bank), GR (2-33% bank), GS (2-33% bank), GT (2-33% bank), GU (2-33% bank), GV (2-33% bank), GW (2-33% bank), GX (2-33% bank), GY (2-33% bank), GZ (2-33% bank), HA (2-33% bank), HB (2-33% bank), HC (2-33% bank), HD (2-33% bank), HE (2-33% bank), HF (2-33% bank), HG (2-33% bank), HH (2-33% bank), HI (2-33% bank), HJ (2-33% bank), HK (2-33% bank), HL (2-33% bank), HM (2-33% bank), HN (2-33% bank), HO (2-33% bank), HP (2-33% bank), HQ (2-33% bank), HR (2-33% bank), HS (2-33% bank), HT (2-33% bank), HU (2-33% bank), HV (2-33% bank), HW (2-33% bank), HX (2-33% bank), HY (2-33% bank), HZ (2-33% bank), IA (2-33% bank), IB (2-33% bank), IC (2-33% bank), ID (2-33% bank), IE (2-33% bank), IF (2-33% bank), IG (2-33% bank), IH (2-33% bank), II (2-33% bank), IJ (2-33% bank), IK (2-33% bank), IL (2-33% bank), IM (2-33% bank), IN (2-33% bank), IO (2-33% bank), IP (2-33% bank), IQ (2-33% bank), IR (2-33% bank), IS (2-33% bank), IT (2-33% bank), IU (2-33% bank), IV (2-33% bank), IW (2-33% bank), IX (2-33% bank), IY (2-33% bank), IZ (2-33% bank), JA (2-33% bank), JB (2-33% bank), JC (2-33% bank), JD (2-33% bank), JE (2-33% bank), JF (2-33% bank), JG (2-33% bank), JH (2-33% bank), JI (2-33% bank), JJ (2-33% bank), JK (2-33% bank), JL (2-33% bank), JM (2-33% bank), JN (2-33% bank), JO (2-33% bank), JP (2-33% bank), JQ (2-33% bank), JR (2-33% bank), JS (2-33% bank), JT (2-33% bank), JU (2-33% bank), JV (2-33% bank), JW (2-33% bank), JX (2-33% bank), JY (2-33% bank), JZ (2-33% bank), KA (2-33% bank), KB (2-33% bank), KC (2-33% bank), KD (2-33% bank), KE (2-33% bank), KF (2-33% bank), KG (2-33% bank), KH (2-33% bank), KI (2-33% bank), KJ (2-33% bank), KK (2-33% bank), KL (2-33% bank), KM (2-33% bank), KN (2-33% bank), KO (2-33% bank), KP (2-33% bank), KQ (2-33% bank), KR (2-33% bank), KS (2-33% bank), KT (2-33% bank), KU (2-33% bank), KV (2-33% bank), KW (2-33% bank), KX (2-33% bank), KY (2-33% bank), KZ (2-33% bank), LA (2-33% bank), LB (2-33% bank), LC (2-33% bank), LD (2-33% bank), LE (2-33% bank), LF (2-33% bank), LG (2-33% bank), LH (2-33% bank), LI (2-33% bank), LJ (2-33% bank), LK (2-33% bank), LL (2-33% bank), LM (2-33% bank), LN (2-33% bank), LO (2-33% bank), LP (2-33% bank), LQ (2-33% bank), LR (2-33% bank), LS (2-33% bank), LT (2-33% bank), LU (2-33% bank), LV (2-33% bank), LW (2-33% bank), LX (2-33% bank), LY (2-33% bank), LZ (2-33% bank), MA (2-33% bank), MB (2-33% bank), MC (2-33% bank), MD (2-33% bank), ME (2-33% bank), MF (2-33% bank), MG (2-33% bank), MH (2-33% bank), MI (2-33% bank), MJ (2-33% bank), MK (2-33% bank), ML (2-33% bank), MM (2-33% bank), MN (2-33% bank), MO (2-33% bank), MP (2-33% bank), MQ (2-33% bank), MR (2-33% bank), MS (2-33% bank), MT (2-33% bank), MU (2-33% bank), MV (2-33% bank), MW (2-33% bank), MX (2-33% bank), MY (2-33% bank), MZ (2-33% bank), NA (2-33% bank), NB (2-33% bank), NC (2-33% bank), ND (2-33% bank), NE (2-33% bank), NF (2-33% bank), NG (2-33% bank), NH (2-33% bank), NI (2-33% bank), NJ (2-33% bank), NK (2-33% bank), NL (2-33% bank), NM (2-33% bank), NN (2-33% bank), NO (2-33% bank), NP (2-33% bank), NQ (2-33% bank), NR (2-33% bank), NS (2-33% bank), NT (2-33% bank), NU (2-33% bank), NV (2-33% bank), NW (2-33% bank), NX (2-33% bank), NY (2-33% bank), NZ (2-33% bank), OA (2-33% bank), OB (2-33% bank), OC (2-33% bank), OD (2-33% bank), OE (2-33% bank), OF (2-33% bank), OG (2-33% bank), OH (2-33% bank), OI (2-33% bank), OJ (2-33% bank), OK (2-33% bank), OL (2-33% bank), OM (2-33% bank), ON (2-33% bank), OO (2-33% bank), OP (2-33% bank), OQ (2-33% bank), OR (2-33% bank), OS (2-33% bank), OT (2-33% bank), OU (2-33% bank), OV (2-33% bank), OW (2-33% bank), OX (2-33% bank), OY (2-33% bank), OZ (2-33% bank), PA (2-33% bank), PB (2-33% bank), PC (2-33% bank), PD (2-33% bank), PE (2-33% bank), PF (2-33% bank), PG (2-33% bank), PH (2-33% bank), PI (2-33% bank), PJ (2-33% bank), PK (2-33% bank), PL (2-33% bank), PM (2-33% bank), PN (2-33% bank), PO (2-33% bank), PP (2-33% bank), PQ (2-33% bank), PR (2-33% bank), PS (2-33% bank), PT (2-33% bank), PU (2-33% bank), PV (2-33% bank), PW (2-33% bank), PX (2-33% bank), PY (2-33% bank), PZ (2-33% bank), QA (2-33% bank), QB (2-33% bank), QC (2-33% bank), QD (2-33% bank), QE (2-33% bank), QF (2-33% bank), QG (2-33% bank), QH (2-33% bank), QI (2-33% bank), QJ (2-33% bank), QK (2-33% bank), QL (2-33% bank), QM (2-33% bank), QN (2-33% bank), QO (2-33% bank), QP (2-33% bank), QQ (2-33% bank), QR (2-33% bank), QS (2-33% bank), QT (2-33% bank), QU (2-33% bank), QV (2-33% bank), QW (2-33% bank), QX (2-33% bank), QY (2-33% bank), QZ (2-33% bank), RA (2-33% bank), RB (2-33% bank), RC (2-33% bank), RD (2-33% bank), RE (2-33% bank), RF (2-33% bank), RG (2-33% bank), RH (2-33% bank), RI (2-33% bank), RJ (2-33% bank), RK (2-33% bank), RL (2-33% bank), RM (2-33% bank), RN (2-33% bank), RO (2-33% bank), RP (2-33% bank), RQ (2-33% bank), RR (2-33% bank), RS (2-33% bank), RT (2-33% bank), RU (2-33% bank), RV (2-33% bank), RW (2-33% bank), RX (2-33% bank), RY (2-33% bank), RZ (2-33% bank), SA (2-33% bank), SB (2-33% bank), SC (2-33% bank), SD (2-33% bank), SE (2-33% bank), SF (2-33% bank), SG (2-33% bank), SH (2-33% bank), SI (2-33% bank), SJ (2-33% bank), SK (2-33% bank), SL (2-33% bank), SM (2-33% bank), SN (2-33% bank), SO (2-33% bank), SP (2-33% bank), SQ (2-33% bank), SR (2-33% bank), SS (2-33% bank), ST (2-33% bank), SU (2-33% bank), SV (2-33% bank), SW (2-33% bank), SX (2-33% bank), SY (2-33% bank), SZ (2-33% bank), TA (2-33% bank), TB (2-33% bank), TC (2-33% bank), TD (2-33% bank), TE (2-33% bank), TF (2-33% bank), TG (2-33% bank), TH (2-33% bank), TI (2-33% bank), TJ (2-33% bank), TK (2-33% 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(2-33% bank), VS (2-33% bank), VT (2-33% bank), VU (2-33% bank), VV (2-33% bank), VW (2-33% bank), VX (2-33% bank), VY (2-33% bank), VZ (2-33% bank), WA (2-33% bank), WB (2-33% bank), WC (2-33% bank), WD (2-33% bank), WE (2-33% bank), WF (2-33% bank), WG (2-33% bank), WH (2-33% bank), WI (2-33% bank), WJ (2-33% bank), WK (2-33% bank), WL (2-33% bank), WM (2-33% bank), WN (2-33% bank), WO (2-33% bank), WP (2-33% bank), WQ (2-33% bank), WR (2-33% bank), WS (2-33% bank), WT (2-33% bank), WU (2-33% bank), WV (2-33% bank), WW (2-33% bank), WX (2-33% bank), WY (2-33% bank), WZ (2-33% bank), XA (2-33% bank), XB (2-33% bank), XC (2-33% bank), XD (2-33% bank), XE (2-33% bank), XF (2-33% bank), XG (2-33% bank), XH (2-33% bank), XI (2-33% bank), XJ (2-33% bank), XK (2-33% bank), XL (2-33% bank), XM (2-33% bank), XN (2-33% bank), XO (2-33% bank), XP (2-33% bank), XQ (2-33% bank), XR (2-33% bank), XS (2-33% bank), XT (2-33% bank), XU (2-33% bank), XV (2-33% bank), XW (2-33% bank), XX (2-33% bank), 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SITE NO. 6032 1996 RIVER HABITAT SURVEY: SOOTH SWEEP SURVEY Page 3 of 4

**H: CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	29	RIGHT BANK	Banktop width (m)	1.0
Banktop height (m)	0.6	Water width (m)	25	Banktop height (m)	1.0
Embarked height (m)	1	Water depth (m)	0.5	Embarked height (m)	1

If embankment higher than banktop bank in slope, indicate: height (m) = 25m width (m) = 49m approx

Bed material at site is: consolidated (compact)  unconsolidated (loose)  substrate

Location of measurement is: riffle  run or glide  other  (tick one box)

**I: EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**J: FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fens  Flush

**K: EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per bank)**

TREES (tick one box per bank)	ASSOCIATED FEATURES (tick one box per feature)
None <input checked="" type="checkbox"/> Left <input type="checkbox"/> Right <input type="checkbox"/>	Shading of channel <input type="checkbox"/> None <input type="checkbox"/> Present E (2-33%) <input type="checkbox"/>
Isolated/scattered <input type="checkbox"/>	Overhanging boughs <input type="checkbox"/>
Regularly spaced, single <input type="checkbox"/>	Exposed bankside roots <input checked="" type="checkbox"/>
Occasional clumps <input type="checkbox"/>	Underwater tree roots <input type="checkbox"/>
Semi continuous <input type="checkbox"/>	Fallen trees <input type="checkbox"/>
Continuous <input type="checkbox"/>	Coarse woody debris <input type="checkbox"/>

**L: STRUCTURAL FEATURES (tick one box per bank)**

Waterfall(s)	None <input checked="" type="checkbox"/> Present E <input type="checkbox"/>	Marginal deadwater	None <input type="checkbox"/> Present E (2-33%) <input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>
Run(s)	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	Manure island(s)	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow regimes (select up to three features): *run/glide*

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**M: NOTABLE NUISANCE PLANT SPECIES Use U or E (2-33% bank(s)) IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron bracken

**N: MAJOR IMPACTS (Circle appropriate category)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking (afforestation) - fisheries management - siltation - other = \_\_\_\_\_

Land Management: not used - buffer strip - headland - abandoned land - pasture - MoD - other = woodland - embankment - other = \_\_\_\_\_

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - brown - dragonfly/damselfly

Other significant observations: *see notes*

**O: ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Dispersed Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary Navigation  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number **6033**  
 Mid-site and reference of network site if different from designated location:

Grid Reference River **Wansbeck**  
 Date **26/5/1996** Time: **14.00** Surveyor name: **MD** Accreditation code: **PF7**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles **4** Unvegetated point bars  
 Pools Vegetated point bars **4**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TABLE 1 (see diff for RIFLES) Points Unveg. sub-tunn. Veg. point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 to 10 upstream	direction	1	2	3	4	5	6	7	8	9	10
LEFT BANK	TICK if functional fence										
Material	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA										
Bank modification(s)	W, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO										
Bank feature(s)	W, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO										
CHANNEL	NEW - substrate shape codes										
Channel substrate	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA										
Substrate shape	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA										
Flow type	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA										
Channel modification(s)	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA										
Channel feature(s)	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA										
RIGHT BANK	TICK if functional fence										
Material	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA										
Bank modification(s)	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA										
Bank feature(s)	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA										
LAND USE WITHIN 5m OF BANK TOP (L)	RIGHT BANK	LEFT BANK									
LEFT BANK TOP (structure within 1m)	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA									
LEFT BANK FACE (structure)	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA									
RIGHT BANK FACE (structure)	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA									
RIGHT BANK TOP (structure within 1m)	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA									
LAND USE WITHIN 5m OF BANK TOP (R)	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA	W, GA, EA, EA, EA, EA, EA, EA, EA, EA, EA									
NONE / PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10	
Bryophytes/lichens											
Emerg broad-leaved herbs											
Emerg sedge/watercress											
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine/linear-leaved											
Filamentous algae											

SITE NO. **6033** 1996 RIVER HABITAT SURVEY: 500m SWEEP Page 3 of 4

**A LAND USE WITHIN 5m OF BANK TOP (L) (tick one box per bank)**

LAND USE	L	R	LAND USE	L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WE)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**B BANK TOPOTUS (tick one box per bank)**

Natural/naturalised	L	R	Artificial/modified	L	R
Vertical/undrained			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back ambidirectional		

**C EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per bank)**

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E (2-33%)
None			Shading of channel		
Lateral/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi continuous			Floating trees		
Continuous			Coarse woody debris		

**D BANKTOP VEGETATION (tick one box per bank)**

Vegetation	None	Present E (2-33%)
Waterfall(s)		
Cascade(s)		
Rapid(s)		
Riffle(s)		
Run(s)		
Bank(s)		
Old(s)		
Pool(s)		

Indicate predominant flow sequence (select up to three features): **RP, riffle**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**A CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	<b>0.75</b>	Banktop height (m)
Banktop width (m)	<b>2.2</b>	Banktop width (m)
Water depth (m)	<b>0.4</b>	Water depth (m)
Embedded height (m)		Embedded height (m)

If banktop lower than banktop break on slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (conspic)  unconsolidated (loose)

Location of measurement is: riffle  run or glide  other  (tick one box)

**B NATURAL FEATURES (tick one box per bank)**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Other =

In water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**C EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Draining  Mowing  Weed-cutting   
 Embankment  Other: Sluic

**D FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 1m high  Artificial open water  Bog  Other (state)   
 Brackish/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Lushy debris  Foss  Flush

**E CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**F NOTABLE NUISANCE PLANT SPECIES (Use 0 or E (2-33% bank/spot) - IFE note LARGE STANDS of others eg)**

None  Great Hogweed  Himalaya Balsam  Japanese Knotweed  Other? Nettle  Rhododendron fructus

**G OVERALL CHARACTERISTICS (Circle appropriate words, add others if necessary)**

Major impacts: tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdrainage - afforestation - fisheries management - silt - other:

Land Management: set aside - buffer strip - heathland - abandoned land - pasture - MoD - other:  **grazing cattle - sheep**

Animals: otter - eel - water vole - baird fisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly - frog

Other significant observations: **Cowslips**  
**Upr. catch - steepers - shingle.**  
**Set 6 - 200 / shallow slope, meandering**

**H ADDRES (tick appropriate box(es))**

Alford? None  Present  Extensive  Overcast Alford? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IPB mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6036  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Umsbeck  
 Date: 8.1.1996 Time: 14.15 Surveyor name: HO Accreditation code: 1977

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles: \_\_\_\_\_ Unvegetated point bars: \_\_\_\_\_  
 Pools: \_\_\_\_\_ Vegetated point bars: \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BH20 6BB

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FULLY (use JHT) for Riffles Pools Unveg side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is upstream of downstream

LEFT BANK	TICK if fractional fence	1	2	3	4	5	6	7	8	9	10
Material (M) AL, AO, CO, CL, EA, FE, CL, CC, SF, NP, CH, BR, BV		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (M) BE, BO, CO, CL, EA, FE, CL, CC, SF, NP, CH, BR, BV		GR	NV	NV	GR	CD	NV	FE	GR	SE	GP
Substrate shape (FL, OV, D, V, CU, PO, R, DM, W, W)		IR			IR	CU		IR		IR	
Plan type (PT, CH, BR, BV, NP, SF, NP, CH, BR, BV)		SM	NP	NP	SM	SM		NP	NP	SM	SM
Channel modification(s) (M) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (M) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	TICK if fractional fence	1	2	3	4	5	6	7	8	9	10
Material (M) AL, AO, CO, CL, EA, FE, CL, CC, SF, NP, CH, BR, BV		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M) NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, NH, SC, TH, RP, IG, TL, WL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m) BAUSC	C	C	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BAUSC	C	C	C	C	C	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

**G. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect) - tick appropriate box(es)**

NONE	PLANT GENERA - list first 5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/lichens		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg reeds/sedges/rushes		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Floating leafed (rooted)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Frac-floating		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ambitious		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submerged broad-leaved		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submerged fine/linear-leaved		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Filamentous algae		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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**H. LAND USE WITHIN 20m OF BANKTOP (on L & R) (tick appropriate box(es))**

	L	R		L	R
Broadleaved/mailed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/mailed vegetation (TH)			Suburban/urban development (SU)		

**I. BANKTOP VEGETATION**

Natural/semi-natural	L	R	Artificial/modified	L	R
Vertical/bankside	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessional	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Patched	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set back embankments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**J. EXTENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (≥ 11%)
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**K. EXTENT OF BANKTOP VEGETATION**

	None	Percent E (≥ 11%)		None	Percent E (≥ 11%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Creeks(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapids(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffles(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boils(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Oldies(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pools(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): no cycle

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**L. CHANNEL DIMENSIONS (to be measured at one site on a straight, uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	24	RIGHT BANK		
Banktop height (m)	0.9	Water width (m)	24	Banktop height (m)	0.8
Embanked height (m)		Water depth (m)	0.35	Embanked height (m)	

If waterline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M. PHYSICAL FEATURES (tick appropriate box(es))**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Falls = \_\_\_\_\_  
 Footbridges = 0 Rambridges = \_\_\_\_\_ Other = 5MGP chgs, 2m x 2m culverts

Is weir impounded by weirs? No  Yes, < 33% of site  > 33% of site

**N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Wood cutting   
 Enhancement  Other? None

**O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bridled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Loose debris  Fen  Flush

**P. CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q. NOTABLE RUSSANCE PLANT SPECIES (use U or E (≥ 2.33% banktop) - IFE note LARGE STANDS of which IFE)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron brachyotum

**R. GENERAL CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = Woodland

Animals: other - mist - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: \_\_\_\_\_

**S. ALDERS (tick appropriate box(es))**

Alders? None  Present  - Extensive  - Decayed Alders? None  Present  Extensive





1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Lith geology code Plankton category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 0004  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Black Lyne  
 Date: 11/1996 Time: 09:30 Surveyor name: Accreditation code:  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 (IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (Indicate total number)**

Rifles: Unvegetated point bars  
 Pools: Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and capsules claims TO  
 P.N. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

FULLY (see IFE) for Riffles, Pools, Unveg side bars, Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) 1 = one entry only**

Spot check 1 is upstream of (downstream)	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if functional fence										
Material (M) (see IFE)	E	M	E	A	N	A	E	A	E	A
Bank modification(s)	N	N	N	N	N	N	N	N	N	N
Bank feature(s)	N	N	N	N	N	N	N	N	N	N
<b>CHANNEL</b> (see IFE) substrate shape code	G	P	P	O	G	P	P	O	G	P
Channel substrate (S) (see IFE)	G	P	P	O	G	P	P	O	G	P
Substrate shape (FL) (see IFE)	S	P	P	O	G	P	P	O	G	P
Plan type (PL) (see IFE)	S	P	P	O	G	P	P	O	G	P
Channel modification(s)	N	N	N	N	N	N	N	N	N	N
Channel feature(s)	N	N	N	N	N	N	N	N	N	N
<b>RIGHT BANK</b> TICK if functional fence										
Material (M) (see IFE)	E	M	E	A	N	A	E	A	E	A
Bank modification(s)	N	N	N	N	N	N	N	N	N	N
Bank feature(s)	N	N	N	N	N	N	N	N	N	N

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from M, CP, DA, MH, SC, TH, AP, AC, FL, WL, OW, SU

LAND USE WITHIN 3m OF BANK TOP (L)	R	P	R	R	R	R	R	R	R	R
LEFT BANK TOP (structure within 1m)	1	1	1	1	1	1	1	1	1	1
LEFT BANK FACE (structure)	5	5	5	5	5	5	5	5	5	5
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m)	C	C	C	C	C	C	C	C	C	C
LAND USE WITHIN 3m OF BANK TOP (R)	B	L	K	P	R	R	R	R	R	R

**G. CHANNEL VEGETATION TYPES (10m wide transect) E (2-11% cover) for tick (present) 500m**

NONE / PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg reed/sedge/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear-leaved										
Filamentous algae										

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**H. LAND USE WITHIN 3m OF BANK TOP (tick 2-11% bank/10m of 10m transect)**

	L	R		L	R
Bramble/medicinal woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)	✓	✓	Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' reed vegetation (TH)			Suburban/urban development (SU)		

**I. CHANNEL FORMS**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Recessed		
Vertical + toe			Reinforced - whole bank		
Deep (> 4:1)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back continuous		

**J. EXTENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2-11%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Unland/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Canopy woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**K. CHANNEL CHARACTERISTICS (tick one box)**

	None	Present E (2-11%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>
Obank(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): riffle, pool

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	1.5	13.5	RIGHT BANK
Banktop height (m)	1m		12.2m	Banktop height (m)
Embanked height (m)			0.2	Embanked height (m)

If banktop lower than banktop bank in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M. PHYSICAL FEATURES (tick one box)**

None  Number of Culverts = Weirs = Outfalls = Fords = 1  
 Footbridges = Roadbridges = Other =

Is water impounded by weir/ford? No  Yes, < 33% of site  > 33% of site

**N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other  Stake

**O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bag  Other (state)  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P. CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q. NOTABLE NUISANCE PLANT SPECIES (tick one box) IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle, Rhododendron fructus

**R. MATERIAL CHARACTERISTICS (Circle appropriate words, and others as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry -  
 burning - mining - quarrying - overtopping - afforestation - suburban management - other -

Lead Management: set aside - buffer strip - headland - abandoned land - polluted - MoD - other?

Animals: other - mink - water vole - bag-fishes - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations:

**S. ALGAE (tick appropriate box(es))**

Algae? None  Present  Extensive  Decreased Algae? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and forcing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Onn geology code Mainform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6040  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Cow Burr  
 Date 31.5.1996 Time: 12.00 Surveyor name: MD Accreditation code: P17

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles (4) Unvegetated point bars  
 Pools (1) Vegetated point bars

SEND COMPLETED FORMS W/ELT plus all water samples and expenss claims TO  
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 4BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use JMT) for Riffles 111 Pools 1 Unveg. side bars 1 Veg point bars 1

**G. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* = one entry only**

Spot check 1-10	1	2	3	4	5	6	7	8	9	10
LEFT BANK	TICK if functional (CODE)									
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NY	NY	NY	NY	NY	NY	NY	NY	NY	NY
CHANNEL	TICK if functional (CODE)									
Channel substrate	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Substrate shape	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	TICK if functional (CODE)									
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RL, CL, OR, NH, SC, TH, RF, AG, FL, WE, OR, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK TOP (structure within 1m)	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC
LEFT BANK FACE (structure)	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC
RIGHT BANK FACE (structure)	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC
RIGHT BANK TOP (structure within 1m)	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC

LAND USE WITHIN 5m OF BANK TOP (R)

CHANNEL VEGETATION TYPES (tick all appropriate)	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC
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**H. CHANNEL VEGETATION TYPES (tick all appropriate)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg reeds/sedges/rushes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Floating-leaved (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submersy fine/linear-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SITE NO. 6040 RIVER HABITAT SURVEY

**PLANT COMMUNITY AND ASSOCIATED FEATURES**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Mastland/hoath (MH)	E	E	Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**ARTIFICIAL FEATURES**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/embankment	E	E	Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embankment		
			Set-back embankments		

**TREES (tick one bar per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one bar per feature)	None	Percent 5 (2.33%)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS AND OTHER FEATURES**

Waterfall(s)	None	Percent 5 (2.33%)	None	Percent 5 (2.33%)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal distributor	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Nature island(s)	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): run/glide

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at the same site as the physical attributes)**

LEFT BANK	Banktop width (m)	0.9	RIGHT BANK	Banktop width (m)	0.6
Banktop height (m)	0.6	Water width (m)	0.9	Banktop height (m)	0.6
Embankment height (m)	0.1	Water depth (m)	0.10	Embankment height (m)	0.1

If banktop lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**MANIPULATED FEATURES**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges =  
 In water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**MANAGEMENT OF PRESENT CHANNEL (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State:

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Broadleaved channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOICED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NON-NATIVE RIVER SPECIES (tick appropriate box(es))**

None  Great Hoagweed  Himalayan Balsam  Japanese Knotweed  Other? (tick Rhododendron bracken)

**MAJOR IMPACTS (tick appropriate box(es))**

Major impacts: landfill - tipping - silting - sewage - pollution - drought - agriculture - mill - other road - rail industry - housing - mining - quarrying - overtopping (afforestation) - fisheries management - silting - other =  
 Land Management: cut-grass - buffer strip - banked - abandoned land - partition - MaD - other = Mownland  
 Aquatic: coloured water  
composites perennial system  
 other - mist - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations:

Altered? None  Present  Extensive  Overused Altered? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Manform category
Distance from source (km)	Significant tributary?	Navigation?
Height of source (m)	Water Quality Class	

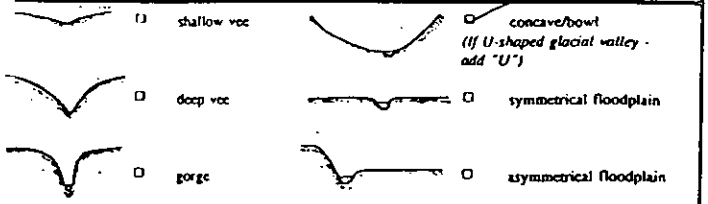
FIELD SURVEY DETAILS

Reference network site number: 6041  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Houby Burn  
 Date: 21/5/1996 Time: 16:40 Surveyor name: HD Accreditation code: PF7

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles: 2 Unvegetated point bars: \_\_\_\_\_  
 Pools: \_\_\_\_\_ Vegetated point bars: \_\_\_\_\_

AND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

G PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Site check is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
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LEFT BANK TICK if fractional focus

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK TICK if fractional focus

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use, choose one from CL, CP, OR, NH, SC, TH, RP, IC, FL, RL, DR, SU

LAND USE WITHIN 5m OF BANKTOP (L)	KT	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) BAUSC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BAUSC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

H CHANNEL VEGETATION TYPES (total area covered by ticks indicating 500m transect)

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg reed/wet grass/reeds		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Flowering-leaved (rooted)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Frustrating		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambiguous		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged fine-leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

LAND USE WITHIN 5m OF BANKTOP (tick one box per bank)

	L	R		L	R
arborescent woodland (BL)			Rough pasture (RP)	E	F
microcosm plantation (CP)			Improved/mixed-improved grass (IG)		
Orchard (OK)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
sh (SC)			Open water (OW)		
herb/semi vegetation (TH)			Suburban/urban development (SU)		

CHANNEL FORMS

herb/semi-vegetated	L	R	Artificial/modified	L	R
trial/undercut	L	E	Reinforced		
trial + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
ste			Reinforced - toe only		
spoke			Artificial two-stage		
			Punched		
			Embanked		
			Sci-bank embankments		

ASSASSINANT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2/3/5)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-conscious	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CHANNEL CHARACTERISTICS

Waterfall(s)	None	Present E	Marginal dead-water	None	Present E (2/3/5)
Cascade(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ran(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

cate predominant flow sequence (select up to three features): run/glide

H CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	10.0	RIGHT BANK	
Banktop height (m)	Water width (m)	8.5	Banktop height (m)	0.5
Embanked height (m)	Water depth (m)	0.6	Embanked height (m)	

If banktop lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  boulders

Location of measurement is: riffle  run or glide  other  (tick one box)

I CHANNEL VEGETATION

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Fords = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

J EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State: \_\_\_\_\_

K FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

L CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

M NOTABLE NUISANCE PLANT SPECIES (tick appropriate box(es))

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name: Rhododendron fruticosum

N PHYSICAL CHARACTERISTICS

Major impacts: landfill  Gipping  litter  sewage  pollution  drought  obstruction  mill  dam  road  rail  industry   
 housing  mining  quarrying  overtopping  information  fertilizer management  silting  other? = \_\_\_\_\_  
 Land Management: out-aside  buffer strip  headland  abandoned land  partition  MoD  other? = sheep grazing  
 Animals: otter  mink  water vole  kingfisher  dipper  grey wagtail  meadow pipit  heron  dragonfly/damselfly

Other significant observations: some hollow sheep pens at night  
full. Water highly coloured

O ALIENS (tick appropriate box(es))

Alien? None  Present  Extensive  Dispersed Alien? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6044  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Blyth  
 Date: 29.5.1996 Time: 11.15 Surveyor name: MD Accreditation code: PF7

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (validate total number)**

Riffles (5) Unvegetated point bars  
 Pools Vegetated point bars (2)

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. R. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WARRIAM, BR70 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE) for Riffles 447 Pools Unveg side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is upstream / downstream:

	1	2	3	4	5	6	7	8	9	10	
<b>LEFT BANK</b>	TICK if functional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel substrate	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	
Substrate shape	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
<b>RIGHT BANK</b>	TICK if functional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, DR, NH, SC, TH, RP, FC, FL, WL, OM, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) BUI/SC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BUI/SC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BUI/SC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) BUI/SC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANKTOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

**G CHANNEL VEGETATION TYPES (10m wide transect) (to be ticked (present) 500m downstream)**

NONE / PLANT GENERA - list first 5

None	Bryophytes/lichens	Emergent broad-leaved herbs	Emergent reed/wood pool rushes	Flowering toward (rooted)	Free-floating	Amphibious	Submerged broad-leaved	Submerged fine/linear-leaved	Filamentous algae
	MASS								

SITE NO. 6044 1996 RIVER HABITAT SURVEY: SOOTH SWEEP-UP Page 3 of 4

**E LAND USE WITHIN 50m OF BANKTOP (tick E if > 25% banktop of 2m transect)**

	L	R		L	R
Broadleaf/mixed woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)		<input checked="" type="checkbox"/>
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		<input checked="" type="checkbox"/>
Orchard (OR)			Tiled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**F CHANNEL VEGETATION TYPES (tick appropriate boxes)**

None	L	R	Artificial/modified	L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Oscillate			Reinforced - toe only		
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage		
			Ponched		<input checked="" type="checkbox"/>
			Embanked		
			Set-back embankments		

**G EXTENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 2.5%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clump	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**H CHANNEL CHARACTERISTICS (Circle appropriate bank(s))**

Waterfall(s)	None	Present E	Marginal dead-water	None	Present E (≥ 2.5%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Moore island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Channel(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): run/joggle

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**J CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	4.75	RIGHT BANK
Banktop height (m)	0.75	Water width (m)	3m
Embankment height (m)		Water depth (m)	0.45
		Embankment height (m)	

If trouble lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  (tick one box)

Location of measurement is: riffle  run or glide  other  (tick one box)

**K CHANNEL RELATIVES**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges =  
 In water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**L EVIDENCE OF RECENT MANAGEMENT (tick appropriate boxes)**

None  Dredging  Moving  Weed-cutting   
 Embankment  Other? State:

**M FEATURES OF SPECIAL INTEREST (tick appropriate boxes)**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Broad/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Fluff

**N CHOICE CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**O NOTABLE NUISANCE PLANT SPECIES (Use 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Note Rhododendron bracteata

**P CHANNEL CHARACTERISTICS (Circle appropriate bank(s))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - bombing - mining - quarrying - overgrazing - afforestation - suburban encroachment (other) =  
 Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other = grazing  
 Animals: otter - mink - water vole - bream - grey wagtail - sand martin - heron - dragonfly/damselfly  
 Other significant observations: Ash jam

**Q ALDERS (tick appropriate boxes)**

None  Present  Extensive  Dispersed Alder? None  Present  Extensive









BACKGROUND MAP-BASED INFORMATION

Altitude (m)	Slope (m/km)	Flow Category (1-10)
Solid geology code	Drift geology code	Planform Category
Distance from source (km)	Significant tributary	Navigation
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: **6048**  
 Mid-site grid reference of network site if different from designated location:


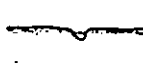
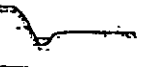
Grid Reference River: **QUARRY BECK**  
 Date: **13.6.1996** Time: **11.15** Surveyor name: **DAWSON** Accreditation code: **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state ...  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

<input checked="" type="checkbox"/> shallow vee		<input type="checkbox"/> concave/bowl
<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

(// U-shaped glacial valley - add 'U')

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Rifles Unvegetated point bars  
 Pools Vegetated point bars

SEND COMPLETED FORMS W/EGT plus all water samples and expenses claims TO  
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TABLE FOR SPOT CHECKS

Spot check	1	2	3	4	5	6	7	8	9	10
Channel substrate	EA	EA	LA	LA	CA	CA	CA	CA	CA	CA
Bank substrate(s)	NO	R	R	PL	NO	RE	RE	PL	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SA	CO	GP	CO	SA	RE	GP	RE	CO	GP
Substrate shape	NA	SR	SR	SR	NA	SA	SR	NA	SR	SR
Pool type	RP	RP	M	UV	RP	GP	M	SA	UV	UV
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE (tick one box)

LAND USE WITHIN 5m OF BANKTOP (L)	UG	IF	IG	IF	IF	IF	IF	IF	IF	IF
LEFT BANK TOP (structure within 1m) BASIC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BASIC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BASIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BASIC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IF	IF	IF	IF	IF	IF	IF	IF	IF	IF

VEGETATION (tick one box)

NONE	PLANT GENERA - Use Eric S									
Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent sedge/cyperus										
Flowering herb (meadow)										
Free-standing										
Ambushes										
Submerged broad leaved										
Submerged fine-leaved leaved										
Phanerogams algae	E	E	E	E	E	E	E	E	E	E

PLANT COMMUNITY

Emergent broad leaved (BL)							
Coarse plantations (CP)							
Orchard (OR)							
Woodland/scrub (WD)							
Scrub (SC)							
Tall herb/ meadow vegetation (TH)							
Rough pasture (RP)							
Improved meadow/improved grass (IG)							
Tidal flat (TF)							
Wetland (eg bog, marsh, fen) (WL)							
Open water (OW)							
Suburban/urban development (SU)							

NATURAL/ARTIFICIAL

Vertical - natural							
Vertical - artificial							
Step (>45°)							
Grass							
Composite							
Artificial/modified							
Reinforced - whole bank							
Reinforced - top only							
Reinforced - toe only							
Artificial two-stage							
Pinched							
Embanked							
Set back construction							

TREES (tick one box per bank)

None	Left	Right	None	Present E (%)
Isolated/contag				
Regularly spaced, single				
Occasional clump				
Scattered continuous				
Continuous				
Shading of channel				
Overhanging branches				
Exposed bankside roots				
Underwater tree roots				
Fallen trees				
Course woody debris				

ASSOCIATED FEATURES (tick one box per feature)

Wardle(s)	None	Present E (%)	None	Present E (%)
Channel(s)				
Rap(s)				
Riffle(s)				
Run(s)				
Bank(s)				
Chute(s)				
Pool(s)				
Marginal dead-water				
Exposed bedrock				
Exposed boulders				
Unvegetated mid channel bar(s)				
Vegetated mid channel bar(s)				
Mature island(s)				
Unvegetated side bar(s)				
Vegetated side bar(s)				

Indicate predominant flow sequence (select up to three features): **P11 - 1/2**

LEFT BANK DIMENSIONS

Banktop width (m)	4.0	RIGHT BANK
Banktop height (m)	1.40	Water width (m)
Embanked height (m)	X	Water depth (m)
		Embanked height (m)

If banktop lower than banktop break in slope, indicate: height (m) = / width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  cobble

Location of measurement is: riffle  run or glide  other  (tick one box)

None  Number of: Old water = 0 Weir = 0 Outfalls = 0 Fords = 0  
 Footbridges = 0 Rambridges = 1 Other = 0  
 Is water impounded by weir(s)? No  Yes, <33% of site >33% of site

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? State .....

VEGETATION (tick one box)

None	Artificial open water	Box	Other (state)
Waterfalls > 5m high	Natural open water	Can	
Brushed/side channels	Water meadow	Mud	
Dubia dams	Pool	Flank	
Loose debris			

>33% or more of the channel choked with vegetation? NO  YES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? State Rhododendron bracken

CHANNEL MANAGEMENT

Channel Management: set aside - buffer strip - headland - abandoned lead - portland - MoD - other =

Channel: side - main - weir gate - kingfisher - dipper - grey wagtail - mud martin - brown argemone/dandelion

Other significant observations: small stream flows in grassed low Mac vernica - w/ ...

Indicate predominant flow sequence (select up to three features): **P11 - 1/2**

Adapt: None  Present  Extensive  Deceased Adapt: None  Present  Extensive



1996 RIVER HABITAT SURVEY: IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code: Drain geology code: Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: **6054**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: \_\_\_\_\_  
 Date: **12/6/1996** Time: **12:00** Surveyor name: **J. Sealeth** Accreditation code: **PF35**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vcc  concave/bowl  
 deep vcc  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS (tick one each)**

Rifles: **0** Unvegetated point bars: **0**  
 Pools: **12** Vegetated point bars: **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TABLE 1: IFE MODS for plant genera (tick one box only)

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)**

Site check is upstream of confluence	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if fractional scores										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b> TICK if fractional scores										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use, choose one from BL, CP, DR, GR, HA, SC, TH, RP, IG, PL, WE, OM, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m) BANKVC	C	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BANKVC	S	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure) BANKVC	S	S	C	C	C	C	C	C	C	C
RIGHT BANK TOP (structure within 1m) BANKVC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

**G BANKTOP VEGETATION (tick one box only)**

MONE / PLANT GENERA - list first 5

Bryophytes/lichens	/	/	/	/	/	/	/	/	/	/
Emerg broad-leaved herbs	/	/	/	/	/	/	/	/	/	/
Emerg root/rhizome/rubus	/	/	/	/	/	/	/	/	/	/
Flowering herb (rooted)	/	/	/	/	/	/	/	/	/	/
Free-floating	/	/	/	/	/	/	/	/	/	/
Amphibious	/	/	/	/	/	/	/	/	/	/
Submerged broad-leaved	/	/	/	/	/	/	/	/	/	/
Submerged fine/linear-leaved	/	/	/	/	/	/	/	/	/	/
Filamentous algae	/	/	/	/	/	/	/	/	/	/

SITE NO. **6054**

**PLANT COMMUNITY (tick one box only)**

Brook/linear woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb, reed vegetation (TH)			Suburban/urban development (SU)		

**ARTIFICIAL/MODIFIED (tick one box only)**

Vertical/undisturbed	L	R	Reinforced	L	R
Vertical + toe			Reinforced - whole bank	E	E
Slope (>45)			Reinforced - top only		
Grate			Reinforced - toe only		
Composite			Artificial toe-steps		
			Poached		
			Embanked		
			Set back embankments		

**TREES (tick one box per bank)**

None	Left	Right	None	Percent E (2-11%)	
Isolated/scattered			Shading of channel		
Regularly spaced, slight			Overhanging boughs		
Occasional canopy			Exposed bankside roots		
Some continuous			Underwater tree roots		
Continuous			Fallen trees		
			Course woody debris		

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Percent E (2-11%)	Marginal deadwater	None	Percent E (2-11%)
Concave(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid-channel bar(s)		
Run(s)			Vegetated mid-channel bar(s)		
Scill(s)			Minor island(s)		
Obd(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): **no flow (dry channel)/pool**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND MEASUREMENTS Page 2 of 4

**CRITICAL DIMENSIONS (to be measured 1m upstream of confluence, perpendicular to channel)**

<b>LEFT BANK</b>	Banktop width (m)	<b>2.0</b>	<b>RIGHT BANK</b>		
Banktop height (m)	0.35	Water width (m) (chan width)	1.25	Banktop height (m)	0.22
Embanked height (m)		Water depth (m)	no flow	Embanked height (m)	

If multiple lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: silt/clay  silt or silt/clay  other  (tick one box)

**VEGETATION (tick one box only)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 In water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**VEGETATION MANAGEMENT (tick one box only)**

None  Drugging  Mowing  Weed cutting   
 Embankment  Other? State \_\_\_\_\_

**RESULTS OF VEGETATION SURVEY (tick one box only)**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brinded/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fox  Flush

**VEGETATION MANAGEMENT (tick one box only)**

In 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION MANAGEMENT (tick one box only)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? State \_\_\_\_\_

**VEGETATION MANAGEMENT (tick one box only)**

Major impacts: landfill - tipping - litter - storage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siting - other? = \_\_\_\_\_

Land Management: set aside - buffer strip - hedland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey heron - mud martin - heron - dragonfly/damselfly

Other significant observations: **reworked gravel through meadow, alternate ridges are 11 and beginning to bill start. Some patches of Bedrock.**

Alters? None  Present  Extensive  Discard Alters? None  Present  Extensive



**BACKGROUND MAP-BASED INFORMATION**

Altitude (m)	Slope (m/km)	Flow category (1-10)
Soil geology code	Drift geology code	Platform category
Distance from source (km)	Significant tributary	Navigation
Height of source (m)	Water Quality Class	

**FIELD SURVEY DETAILS**

Reference network site number: **6055**

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **P. Leclat**

Date: **2.16.1996** Time: **09:30** Surveyor name: **P. Leclat** Accreditation code: **PF35**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
(duplicate will be made by scanning)

and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM: (tick one box only)**

<input type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl (if U-shaped glacial valley - add 'U')
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**USING A RIFLES, POOLS, AND POINT BARS**

Rifles	Unvegetated point bars
Pools	Vegetated point bars

D COMPLETED FORMS WELLY plus all water samples and expenses claims TO  
P. H. DAWSON, IFE, LIVER LABORATORY, EAST STOECE, WAKEMAN, BH 10 608

**PHYSICAL ATTRIBUTES** (to be assessed across channel width or in wide transects) - on only

Spot check in transect: (1-10)	1	2	3	4	5	6	7	8	9	10
Material (M) NO CO BS SL FC CL CC SF M BS AS SF	EA	EA	EA	EA	EA	CC	EA	EA	EA	GA
Bank modification(s) NO BS AS FC BS SF	NO	NO	NO	RS	RS	NO	NO	NO	NO	NO
Bank feature(s) NO BS AS FC BS SF	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (M) NO BS AS FC CL CC SF M BS AS SF	SA	SA	AN	NO	NO	SA	SA	SA	SA	SA
Substrate shape FLO CL SF CU NO SL DOWN	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA
Form type FLO CL SF CU NO SL DOWN	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) NO BS AS FC BS SF	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NO BS AS FC BS SF	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TICK if functional feature	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material (M) NO CO BS SL FC CL CC SF M BS AS SF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NO BS AS FC BS SF	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) NO BS AS FC BS SF	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**POINT OF LAND USE AND VEGETATION STRUCTURE** (to be assessed only in 10m wide transects)

Land use: choose one from SL, CP, OR, NR, IC, PM, CP, PL, PL, OR, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK TOP (structure within 1m) MUSC	U	U	U	U	U	B	B	S	S	S
LEFT BANK FACE (structure) MUSC	U	S	U	U	U	B	U	S	U	U
RIGHT BANK FACE (structure) MUSC	U	U	U	U	U	B	U	U	U	S
RIGHT BANK TOP (structure within 1m) MUSC	S	U	U	U	S	B	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	TH	SU	SU	SU	TH	SU	SU	SU

**PLANT GENERA** (tick one box)

NONE	PLANT GENERA - Use first 1									
Bryophytes/Algae		/	/	/	/	/	/	/	/	/
Emergent broad-leaved herbs		/	/	/	/	/	/	/	/	/
Emergent reed/cyperus/rushes		/	/	/	/	/	/	/	/	/
Phragmites reed (reeds)		/	/	/	/	/	/	/	/	/
Free-floating		/	/	/	/	/	/	/	/	/
Amphibious		/	/	/	/	/	/	/	/	/
Submerged broad-leaved		/	/	/	/	/	/	/	/	/
Submerged fine-leaved		/	/	/	/	/	/	/	/	/
Filamentous algae		/	/	/	/	/	/	/	/	/

IFE NO. **6055**

Artificial/wooded (AL)	L	R	Rough pasture (RP)	L	R
Improved plantation (IP)			Improved/wood-improved grass (IG)		
Overland (OK)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Woods (WO)			Open water (OW)		
All herbs and vegetation (TR)	/	/	Behavioural development (SD)	E	E

Natural/unmodified	L	R	Artificial/modified	L	R
Riparian/terrestrial	/	/	Reinforced	/	/
Riparian - low	/	/	Reinforced - whole bank	/	/
Steep (> 45°)	/	/	Reinforced - top only	/	/
Grass	/	/	Reinforced - toe only	/	/
Spine	/	/	Artificial two-stage	/	/
			Poached	/	/
			Embanked	/	/
			Set back embankments	/	/

**TRUSS (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)
Isolated/wooded	<input type="checkbox"/>	<input type="checkbox"/>	Shielding of channel
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs
Occasional clump	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bankside roots
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees
			Coarse woody debris

**WATERBODIES**

Waterbodies	None	Present	E	Percentage E (2-10%)
Catchment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Supplies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rifles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Point(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

note predominant flow sequence (select up to three features):

**1996 RIVER HABITAT SURVEY DIMENSIONS AND DIMENSIONS**

LEFT BANK	Backstop width (m)	8.70	RIGHT BANK	
	Backstop height (m)	1.25		Backstop height (m)
	Water width (m)	6.70		Water width (m)
	Embedded height (m)	0.50		Embedded height (m)

If bankline lower than backstop break in slope, bedrock? height (m) = width (m) =

Bed material at site is: unconsolidated (loose)  unconsolidated (compact)  consolidated (loose)  consolidated (compact)

Location of measurement is: riffle  run or glide  other  (tick one box)

**WATER VEGETATION**

None  Number of Culverts = Water = Outfalls = 3 Pools =

Is water impounded by weirs? No  Yes, < 3% of site  > 3% of site

**WATERBODIES**

None  Dredging  Mowing  Wood cutting

Enhancement  Other? State

**WATERBODIES**

None  Waterfalls > 3m high  Artificial open water  Bog  Other (state)

Brick/side channels  Natural open water  Carr

Debris dams  Water meadows  Marsh

Loose debris  Pile  Flash

**WATERBODIES**

Is 1% or more of the channel choked with vegetation? NO  YES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick one box)

**WATERBODIES**

Major impacts: bankfill - tipping - litter - sewage - pollution - dredging - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siltation - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey heron - mallard - grebe - dragonfly/damselfly

Other significant observations: *Through decision making, only, but not almost all weirs - along through Leitham industrial estate. Only when water flows through water trench.*

Abandon? None  Present  Extensive  Disturbed Abandon? None  Present  Extensive

**BACKGROUND INFORMATION**

Altitude (m) Slope (m/Lm) Flow category (1-10)  
 Solid geology code Thrift geology code Platform category  
 Distance from source (km) Significant tributary Navigation?  
 Height of source (m) Water Quality Class

Reference network site number: **6056**

Mid-site grid reference of network site (if different from designated location):

**SITE MOVED (Inaccessible)**  
 NE WGrid Reference **N2 33668** River: **-**

Date **11/16/1996** Time: **1:7:45** Surveyor name: **P. E. L. L.** Accreditation code: **PF 35**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM**

shallow vee  concave/bowl  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  **IFE - VALLEY FORM NOTES:**

Riffles **3** Unvegetated point bars   
 Pools **1** Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and express claims TO  
 P. O. DAWSON, ITC, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**CHANNEL DIMENSIONS AND CHANNEL CHARACTERISTICS**

Channel width (m) **3.60** Banktop width (m) **1.0** Right bank banktop height (m) **0.9**

Water width (m) **3.20** Water depth (m) **0.1**

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Checkboxes

Location of measurement is: riffle  run or glide  other  (tick one box)

Name  Number of  Culverts = **1** Weirs = **1** Details = **2** Fords = **0**  
 Footbridges = **1** Other = **0**

Is water impounded by weirs? No  Yes, <33% of site  >33% of site

Name  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: **None**

None  Waterfalls > 5m high  Artificial open water  Bag  Other (state)   
 Braided/silt channels  Natural open water  Cart   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pile  Fresh

**CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? No  Yes

**OBVIOUS OBSTRUCTIONS**

Name  Great Haywood  Hamlyn's Balance  Tynnon's Eastwood  Other?  North Hamlyn's Eastwood

Major impacts: beaver  logging  litter  sewage  pollution  drought  obstruction  mill  dam  wood  mill industry   
 burning  quarrying  overgrazing  afforestation  selective management  silt  other

Lead Management: as silt  buffer strip  banked  abandoned land  parkland  MoD  other

Animals: cat  seal  water vole  kingfisher  dipper  grey heron  mallard  horse  dragonfly/damselfly

Other significant observations: **35ft post through rapidly with attached net. The knots through playing hilly with some fl. large about 1/2 cut & site. large patch of watercress bedrock at 0.15 feet of etc.**

Address: Name  Present  Extension 11  Overland Address: Name  Present  Extension 11

**TELES (tick one box per bank)**

	L	R		L	R
Broad/flatland - washed (BL)			Rough pasture (LP)		
Channel/plantation (CP)			Improved/well-improved grass (IG)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Orchard (OR)			Tiled land (TL)		
Woodland/haugh (WD)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ mud vegetation (TH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Suburban/urban development (SU)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Artificial/modified**

	L	R		L	R
Vertical embankment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank		<input checked="" type="checkbox"/>
Slope (>45)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		<input checked="" type="checkbox"/>
Geotext	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only		<input checked="" type="checkbox"/>
Composite			Artificial two-stage		
			Pitched		<input checked="" type="checkbox"/>
			Subsided		
			Set back embankments		

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Present	E (%)
None	<input type="checkbox"/>	<input type="checkbox"/>	
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Overhanging banks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Undergrowth over roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Cluttered debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

**TELES (tick one box per bank)**

	None	Present	E (%)
None	<input type="checkbox"/>	<input type="checkbox"/>	
Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Mud on bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Indicate predominant flow sequence (select up to three features):

**CHANNEL DIMENSIONS AND CHANNEL CHARACTERISTICS**

Channel width (m) **3.60** Banktop width (m) **1.0** Right bank banktop height (m) **0.9**

Water width (m) **3.20** Water depth (m) **0.1**

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Checkboxes

Location of measurement is: riffle  run or glide  other  (tick one box)

Name  Number of  Culverts = **1** Weirs = **1** Details = **2** Fords = **0**  
 Footbridges = **1** Other = **0**

Is water impounded by weirs? No  Yes, <33% of site  >33% of site

Name  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: **None**

None  Waterfalls > 5m high  Artificial open water  Bag  Other (state)   
 Braided/silt channels  Natural open water  Cart   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pile  Fresh

**CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? No  Yes

**OBVIOUS OBSTRUCTIONS**

Name  Great Haywood  Hamlyn's Balance  Tynnon's Eastwood  Other?  North Hamlyn's Eastwood

Major impacts: beaver  logging  litter  sewage  pollution  drought  obstruction  mill  dam  wood  mill industry   
 burning  quarrying  overgrazing  afforestation  selective management  silt  other

Lead Management: as silt  buffer strip  banked  abandoned land  parkland  MoD  other

Animals: cat  seal  water vole  kingfisher  dipper  grey heron  mallard  horse  dragonfly/damselfly

Other significant observations: **35ft post through rapidly with attached net. The knots through playing hilly with some fl. large about 1/2 cut & site. large patch of watercress bedrock at 0.15 feet of etc.**

Address: Name  Present  Extension 11  Overland Address: Name  Present  Extension 11

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Lith geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number **6057**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: **NY 190508** River: **WAVER**  
 Date: **8/7/1996** Time: **7:00** Surveyor name: **N. GRIEVE** Accreditation code: **PF 12**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

**DOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**DOWNSTREAM RIFLES, POOLS AND POINT BARS (tick one box only)**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

DO NOT COMPLETE FORMS WEEKLY plus all water samples and expenses claims TO  
 H. DAWSON, IFE, RIVER LABORATORY EAST STOKES, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES - PAGE 2 OF 4**

Fully one riffle for riffles Pools Unveg. side bars

**HYDROLOGICAL ATTRIBUTES (to be assessed across channel width at wide transect) (tick one entry only)**

Spot check 1 is upstream of downstream	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANKS - STRUCTURE</b>										
Material (tick one box)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANKS - STRUCTURE</b>										
Material (tick one box)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL VEGETATION (tick one box)</b>										
Channel substrate (tick one box)	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate slope (tick one box)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type (tick one box)	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>LAND USE WITHIN 5m OF BANK TOP (L)</b>	IG	TH	TL	IG	IG	IG	IG	IG	IG	IG
<b>LEFT BANK TOP (structure within 1m) (tick one box)</b>	U	S	U	U	U	U	U	U	U	U
<b>LEFT BANK FACE (structure) (tick one box)</b>	U	S	S	S	S	S	S	S	S	S
<b>RIGHT BANK TOP (structure within 1m) (tick one box)</b>	U	U	U	U	U	U	U	U	U	U
<b>RIGHT BANK FACE (structure) (tick one box)</b>	U	U	U	U	U	U	U	U	U	U
<b>LAND USE WITHIN 5m OF BANK TOP (R)</b>	IG	IG	IG	IG	IG	IG	TL	TH	TH	TH

**CHANNEL VEGETATION (tick one box)**

NONE  PLANT GENERA - list first 5 \_\_\_\_\_

Bryophytes/Lichens										
Emergent broad leaved herbs										
Emergent reeds/sedges/rushes										
Flowering leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerged fine/linear leaved										
Filamentous algae										

**NO. 6057 RIVER HABITAT SURVEY: CHANNEL VEGETATION**

**LAND USE (DUPLICATE - ORIGINALLY TO BE REPRODUCED AT 1:1000 scale)**

	L	R		L	R
Unfertilized woodland (UL)			Rough pasture (RP)		
Intensive plantation (IP)			Improved/wetland improved grass (IG)	E	E
Hard (HR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Soil (SO)			Open water (OW)		
Herbs' reed vegetation (TR)			Suburban/urban development (SU)		

**NATURAL/MODIFIED**

	L	R		L	R
Low/moderate			Reinforced - whole bank	E	E
High (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only	E	E
Vertical			Artificial two-stage		
			Ponched		
			Embanked		
			Set back embankments		

**TREES (tick one box per bank)**

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel <input type="checkbox"/> Percent S (> 33%) <input type="checkbox"/>
Isolated/waterfall	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs <input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots <input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots <input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees <input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Cones woody debris <input type="checkbox"/>

**TREES (tick one box per bank)**

	None	Percent S		None	Percent S
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Integrally bed-water	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Channel(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapids(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

the predominant flow sequence (select up to three features): **SLACK (ND)**

**1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES - PAGE 3 OF 4**

**CHANNEL DIMENSIONS (to be measured at a point in the channel, preferably at a riffle)**

LEFT BANK		RIGHT BANK	
Banktop width (m)	4.0	Banktop height (m)	
Banktop height (m)	1.75	Water width (m)	1.0
Embanked height (m)		Water depth (m)	0.1
		Embanked height (m)	

If available lower than banktop level in slope, indicate: height (m) = 1.6 width (m) = 3.75

Bed material at site is: consolidated  unconsolidated (loose)  banktop

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES (tick one box)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Rambridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**MAINTENANCE OR BANK MANAGEMENT (tick one box)**

None  Dredging  Mowing  Wood cutting   
 Embankment  Other? Static

**CHANNEL VEGETATION (tick one box)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/wide channels  Natural open water  Cart   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Peat  Flush

**IS 33% OR MORE OF THE CHANNEL CHOKED WITH VEGETATION? NO  YES**

**DETAILED BANK VEGETATION (tick one box)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick one box)  Rhododendron bractea

**MAJOR IMPACTS (tick one box)**

landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -  
 burning - mining - quarrying - afforestation - fisheries management - other \_\_\_\_\_

**LAND MANAGEMENT: (tick one box)**

not used - buffer strip - boundary - abandoned land - parkland - MoD - other? \_\_\_\_\_

**ANIMALS: (tick one box)**

other - small - water vole - longfin - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

**OTHER SIGNIFICANT OBSERVATIONS**

RS Agricultural ditch. Silty  
 > Reasonably varied plants along banks.

Address: Name \_\_\_\_\_ Present  Executive  Deceased Address: Name \_\_\_\_\_ Present  Executive



**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (I-III) \_\_\_\_\_  
 Soil geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary \_\_\_\_\_ Navigation? **NO**  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number **6061**  
 Mid-site grid reference of network site if different from designated location. \_\_\_\_\_

Grid Reference: River: **GELT**  
 Date **13/6/1996** Time **9:30** Surveyor name **James** Accreditation code **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl  
 (if U-shaped glacial valley - add 'U')

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box total only)**

Riffles **5** Unvegetated point bars **1**  
 Pools **8** Vegetated point bars **2**

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transects) - in one valley only**

Spot check 1st transect  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material (VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ)	BE	BE	BE	BE	EA	BD	BE	BE	EA	SM
Bank mod (fistion(s)) (ME, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feat(s) (WV, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>										
Material (VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ)	BE	BE	BE	BE	BD	BD	BD	BE	BE	BE
Bank mod (fistion(s)) (ME, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feat(s) (WV, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CL, CR, OR, NH, NC, TH, RP, RL, DL, OW, BU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	CL	CR	OR	NH	NC	TH	RP	RL	DL	OW	BU
LEFT BANK-TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BAUSC	W	C	C	C	C	C	C	C	C	C	C	C
RIGHT BANK FACE (structure) BAUSC	B	B	B	B	B	B	B	B	B	B	B	B
RIGHT BANK-TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	CL	CR	OR	NH	NC	TH	RP	RL	DL	OW	BU

**G. CHANNEL VEGETATION (tick one box)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emerg reeds/wet grasses/rushes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating-leaved (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerg float/leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NO. **6061** **1996 RIVER HABITAT SURVEY: CHANNEL VEGETATION**

	L	R		L	R
Dead/rotted wood(s) (BL)	E	E	Rough pasture (RP)		
Iron plantations (CP)			Improved/well-improved grass (IG)	E	
Arable (AK)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)			Open water (OW)		
Urban/road vegetation (US)			Suburban/urban development (SU)		E

**Natural/unmodified**

	L	R		L	R
Unmodified	E	E	Recessed		
al + toe			Reinforced - whole bank		
slip (>45)			Reinforced - top only		
			Reinforced - toe only		
			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**TREES (tick one box per bank)**

None	Left	Right	None	Percent S (± 33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Small continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Cones woody debris	<input checked="" type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present S (± 33%)
Exposed bedrock	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>
Unvegetated mid channel bar(s)	<input type="checkbox"/>
Vegetated mid channel bar(s)	<input type="checkbox"/>
Marsh island(s)	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>

**Waterfall(s)**  Present  None  Present S (± 33%)

**Channel(s)**  Present  None  Present S (± 33%)

**Rapid(s)**  Present  None  Present S (± 33%)

**Riffle(s)**  Present  None  Present S (± 33%)

**Run(s)**  Present  None  Present S (± 33%)

**Bank(s)**  Present  None  Present S (± 33%)

**Obstacle(s)**  Present  None  Present S (± 33%)

**Pool(s)**  Present  None  Present S (± 33%)

to predominant flow sequence (select up to three features): **Rapid, Run, Pool**

**1996 RIVER HABITAT SURVEY: DIMENSIONS AND DIMENSIONS** Page 2 of 4

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<b>0.50</b>	RIGHT BANK	Banktop width (m)	<b>0.50</b>
	Banktop height (m)	<b>0.75</b>		Banktop height (m)	<b>0.75</b>
	Water width (m)	<b>9.75</b>		Water width (m)	<b>9.75</b>
	Water depth (m)	<b>0.25</b>		Water depth (m)	<b>0.25</b>
	Embankment height (m)	<b>0.25</b>		Embankment height (m)	<b>0.25</b>

If width lower than banktop break in slope, indicate: height (m) = **0.25** width (m) = **0.25**

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**NATURAL FEATURES**

None  Number of Culverts = **0** Weirs = **0** Outfalls = **0** Falls = **0**  
 Footbridges = **0** Roadbridges = **1** Other = **1**

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**MANAGEMENT FEATURES**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other  Stone  Silt  etc. (tick one box)

**FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (tick one)  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadows  Marsh   
 Lethal debris  Fen  Flush  Flood by water

Is 33% or more of the channel choked with vegetation? NO  YES

**MAJOR IMPACTS**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  Nettle Rhododendron bracken

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam -  industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - other? \_\_\_\_\_

Land Management: set aside - buffer strip - fenced - abandoned land - partied - MoD - other? **Woodland**

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: **1. Fine red pebbles in river bed - possibly from a road bridge**  
**2. No debris in river bed - possibly from a road bridge**

Altitude: None  Present  Extensive  Discontinued Altitude: None  Present  Extensive





BACKGROUND MAP-BASED INFORMATION

Altitude (m)	Slope (m/m)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary?	Navigation?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6067  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Red Cr.  
 Date: 10/19/96 Time: 10:00 Surveyor name: ML Accreditation code: 1117

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM, (tick one box only)

<input checked="" type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl (if U-shaped glacial valley - add 'U')
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOL AND POINT BARS (indicate total number)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

UNCOMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6SB

FULLY (see IFE) for: Riffles Pools Unveg. side bars Veg. point bars

B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - see entry only

Spot check 1 in upstream	1	2	3	4	5	6	7	8	9	10
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LEFT BANK TICK if functional fence

Material	WE, MO, CO, CL, SA, PE, CL, CC, SP, GA, BA, BA, BA									EA EA EA
Bank modification(s)	WE, MO, BA, BA, BA, BA, BA, BA									PC PC PC
Bank feature(s)	WE, MO, EC, SC, PR, YP, SR, YS									NO NO NO

CHANNEL NEW

Channel substrate	WE, MO, CO, CL, SA, PE, CL, CC, SP, GA, BA, BA, BA									CP ST
Substrate shape	FL, OV, B, SP, CU, PG, BL, Othrs - none									CU / SK
Flow type	FF, CH, SW, UN, CT, ST, UP, SH, BP, PD									RP / RP
Channel modification(s)	WE, MO, CO, CL, SA, PE, CL, CC, SP, GA, BA, BA, BA									NO NO NO
Channel feature(s)	WE, MO, CO, CL, SA, PE, CL, CC, SP, GA, BA, BA, BA									NO TR NO

RIGHT BANK TICK if functional fence

Material	WE, MO, CO, CL, SA, PE, CL, CC, SP, GA, BA, BA, BA									EA EA EA
Bank modification(s)	WE, MO, BA, BA, BA, BA, BA, BA									PC PC PC
Bank feature(s)	WE, MO, EC, SC, PR, YP, SR, YS									NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from WE, CP, OR, MH, SC, TH, RP, AG, FL, WL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK TOP (structure within 1m)	BAWSC									10 3 8
LEFT BANK FACE (structure)	BAWSC									3 3 3
RIGHT BANK FACE (structure)	BAWSC									3 3 3
RIGHT BANK TOP (structure within 1m)	BAWSC									3 3 3

LAND USE WITHIN 5m OF BANK TOP (R)

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G. CHANNEL VEGETATION TYPES (10m wide transect, 2-2.5% bankfull, 2.5% bankfull, 500m transect)

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Flowering leaved (rooted)										
Free-floating										
Aquatic										
Submerg float/linear-leaved										
Filamentous algae										

LAND USE WITHIN 50M OF BANKTOP (L & R) (2-2.5% bankfull, 2.5% bankfull, 500m transect)

	L	R		L	R
rough/unimproved woodland (BL)			Rough pasture (RP)		
uniform plantation (CP)			improved/semi-improved grass (GC)		
Orchard (OR)			Tilled land (TL)		
woodland/scrub (WH)			Wetland (eg bog, marsh, fen) (WL)		
rice (RC)			Open water (OW)		
herb/semi-herb (HO)			Suburban/urban development (SU)		

ARTIFICIAL/STRUCTURAL FEATURES

	L	R	Artificial/modified	L	R
bank/embankment			Revetment		
riprap + toe			Reinforced - whole bank		
slip (>45°)			Reinforced - top only		
pile			Revetment - non-woody		
spoils			Artificial rip-rap		
			Poached		
			Embankment		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)		ASSOCIATED FEATURES (tick one box per feature)	
None	Left <input type="checkbox"/> Right <input type="checkbox"/>	Shading of channel	None <input type="checkbox"/> Present E (2-11%) <input type="checkbox"/>
Isolated/scattered	Left <input type="checkbox"/> Right <input type="checkbox"/>	Overhanging boughs	None <input type="checkbox"/> Present <input type="checkbox"/>
Regularly spaced, single	Left <input type="checkbox"/> Right <input type="checkbox"/>	Exposed bankside roots	None <input type="checkbox"/> Present <input type="checkbox"/>
Occasional clumps	Left <input type="checkbox"/> Right <input type="checkbox"/>	Underwater tree roots	None <input type="checkbox"/> Present <input type="checkbox"/>
Scal continuous	Left <input type="checkbox"/> Right <input type="checkbox"/>	Fallen trees	None <input type="checkbox"/> Present <input type="checkbox"/>
Continuous	Left <input type="checkbox"/> Right <input type="checkbox"/>	Causes woody debris	None <input type="checkbox"/> Present <input type="checkbox"/>

VEGETATED BANK FEATURES

Waterfall(s)	None <input checked="" type="checkbox"/> Present E <input type="checkbox"/>	Marginal deadwater	None <input type="checkbox"/> Present E (2-11%) <input type="checkbox"/>
Overbank(s)	None <input type="checkbox"/> Present <input type="checkbox"/>	Exposed bedrock	None <input type="checkbox"/> Present <input type="checkbox"/>
Rapid(s)	None <input type="checkbox"/> Present <input type="checkbox"/>	Exposed boulders	None <input type="checkbox"/> Present <input type="checkbox"/>
Riffle(s)	None <input type="checkbox"/> Present <input type="checkbox"/>	Unvegetated mid-channel bar(s)	None <input type="checkbox"/> Present <input type="checkbox"/>
Ram(s)	None <input type="checkbox"/> Present <input type="checkbox"/>	Vegetated mid-channel bar(s)	None <input type="checkbox"/> Present <input type="checkbox"/>
Bank(s)	None <input type="checkbox"/> Present <input type="checkbox"/>	Mature island(s)	None <input type="checkbox"/> Present <input type="checkbox"/>
Old(s)	None <input type="checkbox"/> Present <input type="checkbox"/>	Unvegetated side bar(s)	None <input type="checkbox"/> Present <input type="checkbox"/>
Pool(s)	None <input type="checkbox"/> Present <input type="checkbox"/>	Vegetated side bar(s)	None <input type="checkbox"/> Present <input type="checkbox"/>

Identify predominant flow sequences (select up to three features): rip/pool

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	0.5	RIGHT BANK	
Banktop height (m)	Water width (m)	0.5	Banktop height (m)	0.7
Embanked height (m)	Water depth (m)	0.05	Embanked height (m)	

If trough lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)

Location of measurement is: riffle  run or glide  other  (tick one box)

MANIPULATED FEATURES

None <input type="checkbox"/>	Number of Culverts = 1	Wires =	Outfalls =	Fords =
	Foodbridges =	Roadbridges =	Other =	

Is water impounded by weir/fence? No  Yes, < 33% of site  > 33% of site

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None <input checked="" type="checkbox"/>	Dredging <input type="checkbox"/>	Mowing <input type="checkbox"/>	Weed cutting <input type="checkbox"/>
	Enhancement <input type="checkbox"/>	Other? <input type="checkbox"/>	

FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None <input checked="" type="checkbox"/>	Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state) <input type="checkbox"/>
	Brandside channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carri <input type="checkbox"/>	
	Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
	Leafy debris <input type="checkbox"/>	Fan <input type="checkbox"/>	Flank <input type="checkbox"/>	

CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

NOTABLE NUISANCE PLANT SPECIES (Use IFE, 2-2.5% bankfull, 2.5% bankfull, 500m transect)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

OVERALL CHANNEL CHARACTERISTICS (tick appropriate box(es))

Major impacts: landfill - slippage - litter - sewage pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management (channel) - other? =

Land Management: set-back - buffer strip - bedload - abandoned land - partland - MoD - other? =

Animals: other - mist - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: rip/pool

ALGAE (tick appropriate box(es))

Algae? None  Present  Extensive  Dispersed Algae? None  Present  Extensive



**GROUND WATER INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow Category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Minimum Category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

Reference network site number **6068** 37 on  
 Mid-air grid reference of network site if different from designated location: \_\_\_\_\_

**NEW SITE MOVED**  
 Grid Reference: **NZ 194 507** River: **WEAR**  
 Date: **12/5/1996** Time: **16:40** Surveyor name: **P. Lott** Accreditation code: **PF-35**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  | IFE - VALLEY FORM NOTES:

Riffles \_\_\_\_\_ Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

**LEAD COMPLETED FORMS WHEEL 1 plus all water samples and expenses claims TO**  
**R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB**

**CHANNEL DIMENSIONS AND DIMENSIONS**

Channel width (m) \_\_\_\_\_ Banktop width (m) \_\_\_\_\_  
 Banktop height (m) \_\_\_\_\_ Water width (m) \_\_\_\_\_  
 Embankment height (m) \_\_\_\_\_ Water depth (m) \_\_\_\_\_  
 U gradient lower than banktop break in slope, indicate: height (m) = **2.25** width (m) = **NK**

Bed material at site is: consolidated (compact)  unconsolidated (loose)   
 Location of measurement is: riffle  cut or slide  other  (tick one box)

Mass  Median of  Old river =  Wain =  Outfalls =  Ponds =   
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

Mass  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

Mass  Weir/falls > 5m high  Artificial open weir  Bog  Other (state)   
 Bricks/stone channels  Natural open weir  Carr   
 Debris dams  Water meadows  Marsh   
 Loose debris  Foss  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

Mass  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name:

Major impacts: bankfill - tipping - bins - sewage - pollution - drought - obstruction - mill - dam - road - mill industry -  
 burning - mining - quarrying - overgrazing - afforestation - suburban development - diking - other = \_\_\_\_\_  
 Land Management: all soils - buffer strip - headland - abandoned land - parkland - MaD - other? = \_\_\_\_\_  
 Animals: other - mist - water vole - kingfisher - dipper - grey wagtail - mallard - other? = \_\_\_\_\_  
 Other significant obstructions: \_\_\_\_\_

Abbrev: Name  Present  Extensive  Disused Abbrev: Name  Present  Extensive

**CHANNEL DIMENSIONS AND DIMENSIONS**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tidal land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/mao vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/ARTIFICIAL**

	L	R	Artificial/modified	L	R
Vertical/wooded			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Coastline			Artificial two-stage		
			Punctured		
			Embanked		
			Soil bank embankment		

**FLUSS (tick one box per bank)**

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel <input type="checkbox"/> None <input type="checkbox"/> Present <input type="checkbox"/> 5 (2, 3, 5)
Unlined/covered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging banks <input type="checkbox"/> E <input type="checkbox"/> O
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside rocks <input type="checkbox"/> E <input type="checkbox"/> O
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots <input type="checkbox"/> E <input type="checkbox"/> O
Small clumps	<input type="checkbox"/>	<input type="checkbox"/>	Fishes signs <input type="checkbox"/> E <input type="checkbox"/> O
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Course woody debris <input type="checkbox"/> E <input type="checkbox"/> O

**WATERBANKS**

	None	Present	5	None	Present	5	(2, 3, 5)
Waterfalls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal floodwater	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Concave	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapids	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Moisture strand(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Obd	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): \_\_\_\_\_

**CHANNEL DIMENSIONS AND DIMENSIONS**

	Left Bank	Banktop width (m)	Water width (m)	Banktop height (m)	Water depth (m)	Embankment height (m)	Right Bank	Banktop height (m)	Embankment height (m)
Banktop width (m)		NK							
Banktop height (m)	3.50		37.0						NK
Embankment height (m)									
Water depth (m)									

U gradient lower than banktop break in slope, indicate: height (m) = **2.25** width (m) = **NK**

Bed material at site is: consolidated (compact)  unconsolidated (loose)

Location of measurement is: riffle  cut or slide  other  (tick one box)

Mass  Median of  Old river =  Wain =  Outfalls =  Ponds =   
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

Mass  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

Mass  Weir/falls > 5m high  Artificial open weir  Bog  Other (state)   
 Bricks/stone channels  Natural open weir  Carr   
 Debris dams  Water meadows  Marsh   
 Loose debris  Foss  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

Mass  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name:

Major impacts: bankfill - tipping - bins - sewage - pollution - drought - obstruction - mill - dam - road - mill industry -  
 burning - mining - quarrying - overgrazing - afforestation - suburban development - diking - other? = \_\_\_\_\_  
 Land Management: all soils - buffer strip - headland - abandoned land - parkland - MaD - other? = \_\_\_\_\_  
 Animals: other - mist - water vole - kingfisher - dipper - grey wagtail - mallard - other? = \_\_\_\_\_  
 Other significant obstructions: \_\_\_\_\_

Abbrev: Name  Present  Extensive  Disused Abbrev: Name  Present  Extensive

**BACKGROUND MATERIAL INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Soil geology code \_\_\_\_\_ Lithology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

Reference network the number **6069**

Mid the grid reference of network site if different from designated location:

Grid Reference: \_\_\_\_\_ River \_\_\_\_\_

Date: 11/16/1996 Time: 16:00 Surveyor name: **H. Sudd** Accreditation code: **PF 35**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

COMPLETED FORMS WEELET plus all water samples and expense claims TO  
 JAWSON, IFE, RIVER LABORATORY EAST STOKE, WAREHAM, DD10 6BS

**CHANNEL DIMENSIONS SURVEY ADIMENSIONS AND DIMENSIONS**

Channel width (m) \_\_\_\_\_ Bank height (m) \_\_\_\_\_

Channel width (m)	1	2	3	4	5	6	7	8	9	10
Bank width (m)	EA	BE	BE	BE	SA	BE	EA	BE	SA	
Bank height (m)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Channel modification	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification	NJ	BR	BE	NV	TV	NV	NV	SV	SP	
Bank feature(s)	NK	RJ	NK	NK	NK	NK	NK	RI	RI	

Land use: choose one from B, CP, OH, WH, K, FH, RT, R, FL, PL, OH, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	SC	SC	SC	SC	SC	TH
LEFT BANK TOP (structure within 1m) BWSK	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BWSK	S	S	B	B	S	B	B	S	S	S
RIGHT BANK FACE (structure) BWSK	NV	NV	B	NV	B	B	NV	NV	B	B
RIGHT BANK TOP (structure within 1m) BWSK	NV	NV	NV	NV	NV	NV	NV	NV	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	RP	SC	SC	IS	IS	IS	NV	NV	SU	SU

**MONITORING PLANT/ANIMALS** - list first 5

Arthropods/Insects										
Emerging broad-leaved herbs										
Emerging needle-leaved herbs										
Woody herb (moss)										
Free-floating										
Vegetation										
Emerging broad-leaved										
Emerging needle-leaved										
Emerging algae										

FE NO. **6069**

Bank/riparian woodland (BL)			Rough pasture (RP)		
Green plantation (CP)			Improved/well improved grass (IG)		E
Hard (OH)			Tiled hard (TL)		
Moorland/heath (MT)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	E	E	Open water (OW)		
Herb/road vegetation (TR)			Suburban/urban development (SU)	E	

Natural/woodland	L	R	Artificial/woodland	L	R
Vertical/woodland			Reinforced		
Oil + tar (>45)	E		Reinforced - whole bank		E
Gravel			Reinforced - top only		
Composts			Reinforced - toe only		
			Artificial two-stage		
			Flushed		
			Embanked		
			Set back embankments		

**FLUES** (tick one box per bank)

Name	Left	Right	Associated Features	Name	Percent E (2-11%)
Unstable/scoured			Shunting of channel		
Regularly spaced, single			Overhanging banks		
Occasional change			Exposed bankside roots		
Soil conditions			Underwater tree roots		
Condition			Pollen trees		
			Current woody debris		

**WATERBODIES**

Waterfall(s)	None	Percent E	Marginal ditch/river	None	Percent E (2-11%)
Channel(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid channel bar(s)		
Run(s)			Vegetated mid channel bar(s)		
Bank(s)			Mature sward(s)		
Ohole(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features):

**CHANNEL DIMENSIONS SURVEY ADIMENSIONS AND DIMENSIONS**

LEFT BANK	Banktop width (m)	NK	RIGHT BANK	
Banktop height (m)	4.0	Water width (m)	NK	Banktop height (m)
Embanked height (m)		Water depth (m)	NV	Embanked height (m)

If traditional lower than banktop break in slope, indicate: height (m) = width (m) /

Bed material at site is: unconsolidated (compact)  unconsolidated (loose)  bedrock

Location of measurement is: riffle  run or glide  other  (tick one box)

Name  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Overfalls = 2 \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

Name  Dredging  Moving  Weed cutting   
 Enhancement  Other? Run \_\_\_\_\_

Name  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bricked/side channel  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

Is 15% or more of the channel choked with vegetation? NO  YES

Name  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? *Nettle Rhododendron bracken*

Major impacts: bankfill - sipping - litter (average) pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - manufacturing - afforestation - fisheries management - fishing - other? =

Land Management: set aside - buffer strip - broadland - abandoned land - parkland - MoD - other? =

Animals: *amphibian* other - mall - water vole - kingfisher - dipper - grey heron - mud minnow - brown - agricultural/woodland

Other significant observations: **TIDAL SITE - large water grant.**

Address: Name  Precinct  Extension  District Address Name  Precinct  Extension

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drain geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number **6073**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **Car Beck**  
 Date: **4.5.1996** Time: **11:00** Surveyor name: **HJ** Accreditation code: **PF7**  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bod of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM. (tick one box only)**

shallow VEC  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep VEC  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS. (Indicate total number)**

Rifles **(5)** Unvegetated point bars **(2)**  
 Pools **(8)** Vegetated point bars **(1)**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

FULLY (use 30% for Riffles left 10% for Pools left 10% for Vegetation left 10% for Bank left 10% for Channel left 10% for Right bank left 10% for Substrate left 10% for Planform left 10% for Navigation left 10% for Water quality left 10% for Other left 10%)

**G PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one only only**

Spot check 1 in upstream  downstream

LEFT BANK	TICE if functional fence	1	2	3	4	5	6	7	8	9	10
Material <b>EA EA EA EA EA EA EA EA EA EA EA EA</b>											
Bank modification(s) <b>NO NO NO NO NO NO NO NO NO NO NO NO</b>											
Bank feature(s) <b>PB NO EC NO EC EC NO SB SB NO</b>											

**CHANNEL VEGETATION** (substrate shape codes = **FL, OV, CL, SP, CU, PD, R, DM, W**)

Channel substrate	Substrate shape	Planform	1	2	3	4	5	6	7	8	9	10
<b>GP GP GP GP GP GP GP GP GP GP GP GP</b>	<b>CU CU CU CU CU CU CU CU CU CU CU CU</b>	<b>SM SM RP SM UV NP SM NP RP NP</b>										
Channel modification(s) <b>NO NO NO NO NO NO NO NO NO NO NO NO</b>												
Channel feature(s) <b>NO RO NP NP VE RO NO NO NO NO</b>												

**RIGHT BANK** TICE if functional fence

Material <b>EA EA EA EA EA EA EA EA EA EA EA EA</b>											
Bank modification(s) <b>NO NO NO NO NO NO NO NO NO NO NO NO</b>											
Bank feature(s) <b>NO NO NO NO NO NO NO NO NO NO NO NO</b>											

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from **BL, CL, DR, HR, SC, TH, AP, IG, FL, OL, OW, SU**

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
<b>SC SC SC SC SC SC SC SC SC SC SC SC</b>										
LEFT BANK-TOP (structure within 1m) <b>BL SC</b>	<b>U</b>	<b>V</b>	<b>S</b>	<b>S</b>	<b>U</b>	<b>C</b>	<b>C</b>	<b>U</b>	<b>U</b>	<b>U</b>
LEFT BANK FACE (structure) <b>BL SC</b>	<b>U</b>	<b>S</b>	<b>B</b>	<b>S</b>	<b>C</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>
RIGHT BANK FACE (structure) <b>BL SC</b>	<b>S</b>	<b>S</b>	<b>B</b>	<b>S</b>	<b>C</b>	<b>C</b>	<b>B</b>	<b>U</b>	<b>U</b>	<b>U</b>
RIGHT BANK-TOP (structure within 1m) <b>BL SC</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>C</b>	<b>S</b>	<b>S</b>	<b>S</b>
LAND USE WITHIN 5m OF BANK TOP (R)	<b>SC</b>	<b>IG</b>	<b>RP</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>

**Q CHANNEL VEGETATION TYPES (10m wide transect: E (2% 33% area) for rich (precious) sites)**

NONE	PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10
<input checked="" type="checkbox"/>	<b>Bryophytes/lichens</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<b>Emerg broad-leaved herbs</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<b>Emerg reed/wet/pal/rushes</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<b>Floating-leaved (rooted)</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<b>Free-floating</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<b>Amphibious</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<b>Submerged broad-leaved</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<b>Subweg broad-leaved</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<b>Filamentous algae</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

SITE NO. 6073 1996 RIVER HABITAT SURVEY: 500m SWEB

**A LAND USE WITHIN 5m OF BANKTOP (use 2x2x25m transect at 25m intervals)**

	L	R		L	R
Broadleaved woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coniferous plantation (CP)			Improved/mixed-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Oakland (OK)			Tilled land (TL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SQ)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**B CHANNEL VEGETATION TYPES (use 2x2x25m transect at 25m intervals)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/horizontal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Excavated		
Vertical + bar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sheep (> 45)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Grass	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite			Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Patched	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set-back embankments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**C EFFECT OF TREES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2-33%)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**WATER CHANNEL CHARACTERISTICS (tick one box per feature)**

None	Present E (2-33%)	Present B (2-33%)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **riffle, pool!**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	5.65m	RIGHT BANK
Banktop height (m)	0.5m		Banktop height (m)
Embankment height (m)	0.15m		Embankment height (m)
Water width (m)	4m		Banktop height (m)
Water depth (m)	0.15m		Embankment height (m)

If multiple lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (conspic)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Weed-cutting   
 Enhancement  Other? State:

**O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Lush debris  Fen  Flush

**P CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q NOTABLE MISANCH PLANT SPECIES (use 0 or E (2-33% bank/ft)) IFE note LARGE STANDS of others eg**

None  Great Hoopwood  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron bracteatum

**R MAJOR IMPACT CHARACTERISTICS (Circle appropriate bank/ft and others as appropriate)**

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - abrasion - mill - dam - road - industry - housing - staking - quarrying - overcompaction - afforestation - fisheries management (other) -

Load Management: set aside - buffer strip - bendland - abandoned land - parkland - MoD - other? **upstream**

Animals: otter - mink - water vole - dogfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly -

Other significant observations: **point bars - upper river is increasing**

**S ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Lith geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B FIELD SURVEY DETAILS**

Reference network site number 6074  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference River 20-1  
 Date 21.5.1996 Time 10-30 Surveyor name AG Accreditation code PF7

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 9 Unvegetated point bars 0  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. N. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE for Riffles) Pools Unveg side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - in one entry only**

Spot check 1 is upstream	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>	TICK if functional fence									
Material	BA	LA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b>	NEW - substrate shape codes									
Channel substrate	CO	CO	NO	CO	GP	NO	GP	NO	GP	CO
Substrate shape	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	MI	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>	TICK if functional fence									
Material	ER	ER	ER	ER	ER	ER	ER	ER	ER	ER
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use choose one from BL, CP, DR, GR, SC, IN, RP, AG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP (structure within 1m)	BU	BU	BU	BU	BU	BU	BU	BU	BU	BU
LEFT BANK FACE (structure)	BU	BU	BU	BU	BU	BU	BU	BU	BU	BU
RIGHT BANK FACE (structure)	BU	BU	BU	BU	BU	BU	BU	BU	BU	BU
RIGHT BANK TOP (structure within 1m)	BU	BU	BU	BU	BU	BU	BU	BU	BU	BU
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

**G CHANNEL VEGETATION TYPES (10m wide transect: E for 33% areas) or tick (precious) 500m reach only**

NONE	PLANT GENERA - list first 3	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens											
Emerg broad-leaved herbs											
Emerg reeds/sedges/rushes											
Flowering leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad leaved											
Submerged fine/linear leaved											
Filamentous algae											

SITE NO. 6074 1996 RIVER HABITAT SURVEY 3000m SWEB/UP Page 3 of 4

**H LAND USE WITHIN 50m OF BANKTOP (E for 33% areas) or tick (precious) 500m reach only**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**I EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Weed cutting   
 Enhancements  Other?  Stone

**J EXTENT OF TREES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (2.33%)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Causes woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATER QUALITY**

Water(s)	None	Percent E (2.33%)	Marginal dead-water	None	Percent E (2.33%)
Canal(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rise(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Nature strand(s)	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): flb / w / glide

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**K CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	<u>20m</u>	RIGHT BANK
Banktop height (m)	<u>1m</u>	Water width (m)	<u>6.7m</u>
Banktop height (m)	<u>1m</u>	Water depth (m)	<u>1m</u>
Embankment height (m)	<u>1m</u>	Water depth (m)	<u>1m</u>

If bankline lower than banktop level on slope, indicate: height (m) = width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**L NOTABLE NUISANCE PLANT SPECIES Use U or E (2.33% bank/rls) IFE score LARGES STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  Nettie Rhododendron bractea

**M OVERALL CHARACTERISTICS (tick appropriate words; add others as necessary)**

Major impacts: bank(s) - slipping - silt - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Load Management: set-back - buffer strip - headland - abandoned land - putland - MoD - other? = wooded young

Animals: other - mink - water vole - waterfowl - dipper - grey heron - sand martin - heron - dragonflies/damselflies

Other significant observations: rat - 4/5/96 - 1/2/96 - 1/2/96

**N ALDSERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Disused Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant cover and feeding Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6075  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Groglin Water.  
 Date: 4.5.1996 Time: 15.10 Surveyor name: HO Accreditation code: PF7  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vcc  concave/howl (if U-shaped glacial valley - add "U")  
 deep vcc  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles Unvegetated point bars 1  
 Pools (11) Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOEKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

Canaly (see IFE for details) Pools (list) 1 Usage (see IFE) Veg cover (see IFE)

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide transect) \* one entry only**

Spot check 1 - minimum  maximum  (tick one box)

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

**LEFT BANK** TICE if functional focus

Material: PE PE PE PE PE PE PE PE PE PE PE  
 Bank modification(s): PE PE PE PE PE PE PE PE PE PE PE  
 Bank feature(s): PE PE PE PE PE PE PE PE PE PE PE

**CHANNEL** NEW?  substrate slope codes in plan view (listing of channel channel position) (see IFE)

Channel substrate: PE PE PE PE PE PE PE PE PE PE PE  
 Substrate shape: PE PE PE PE PE PE PE PE PE PE PE  
 Flow type: PE PE PE PE PE PE PE PE PE PE PE

Channel modification(s): PE PE PE PE PE PE PE PE PE PE PE  
 Channel feature(s): PE PE PE PE PE PE PE PE PE PE PE

**RIGHT BANK** TICE if functional focus

Material: PE PE PE PE PE PE PE PE PE PE PE  
 Bank modification(s): PE PE PE PE PE PE PE PE PE PE PE  
 Bank feature(s): PE PE PE PE PE PE PE PE PE PE PE

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CF, OR, MH, SE, PV, RP, SG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L) MH RP SU PV FL WL OW SU  
 LEFT BANK TOP (structure within 1m) BUNSC 6 6 6 6 6 6 6 6 6 6 6  
 LEFT BANK FACE (structure) BUNSC 6 6 6 6 6 6 6 6 6 6 6  
 RIGHT BANK FACE (structure) BUNSC 6 6 6 6 6 6 6 6 6 6 6  
 RIGHT BANK TOP (structure within 1m) BUNSC 6 6 6 6 6 6 6 6 6 6 6  
 LAND USE WITHIN 5m OF BANK TOP (R) MH RP SU PV FL WL OW SU

**G CHANNEL VEGETATION TYPES (10m wide transect; E (≥ 33% area) or tick (precisely) 500m "catch-all")**

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg rush/sedge/marsh		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Flaming-leaved (rooted)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Fru-floating		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Amphibious		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submerged broad-leaved		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submerged filamentous-leaved		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Filamentous algae		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

SITE NO. 6075 1996 RIVER HABITAT SURVEY: SOOTY SWEEP

**PLANT AND USE WITHIN 5m OF BANKTOP (E (≥ 33% area) or tick (precisely) 500m "catch-all")**

	L	R		L	R
Broad-leaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OK)			Tilled land (TL)		
Moorland/heath (MH)	100%	100%	Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**ARTIFICIAL/MODIFIED**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/embankment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (> 4:1)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coast	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite			Artificial two-stage		
			Poached		
			Embankment		
			Set-back embankment		

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Wood cutting   
 Enhancement  Other? State: \_\_\_\_\_

**Q FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Bricked/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**F CLOSED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**G NOTABLE NUISANCE PLANT SPECIES (use IFE (≥ 33% banktop) - IFE note LARGE STANDS of others eg)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron fruticosum

**H RIVER CHARACTERISTICS (check appropriate box(es))**

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? =  
 Land Management: set-back - buffer strip - brackish - abandoned land - polluted - Mod - other? =  
 Animals: otter - mink - water vole - largemouth bass - grey wagtail - sand martin - heron - dragonfly/damselfly  
 Other significant observations: ✓ steep natural stream sequences 2 washbats approx 1m high

**S ALDERS (tick appropriate box(es))**

Abundant None  Present  Extensive  Dominant Alder: Name Present  Extensive

Indicate predominant flow sequence (select up to three features): skip/pool.

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**U CHANNEL DIMENSIONS (to be measured at one site on a straight, uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	1.6m	RIGHT BANK
Banktop height (m)	Water width (m)	1.4m	Banktop height (m)
Embankment height (m)	Water depth (m)	0.10	Embankment height (m)

If bankline lower than banktop level in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION INFLUENCES**

None  Number of Culverts = Weirs = Outfalls = Folds =  
 Footbridges =  
 In water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Wood cutting   
 Enhancement  Other? State: \_\_\_\_\_

**Q FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Bricked/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**F CLOSED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**G NOTABLE NUISANCE PLANT SPECIES (use IFE (≥ 33% banktop) - IFE note LARGE STANDS of others eg)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron fruticosum

**H RIVER CHARACTERISTICS (check appropriate box(es))**

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? =  
 Land Management: set-back - buffer strip - brackish - abandoned land - polluted - Mod - other? =  
 Animals: otter - mink - water vole - largemouth bass - grey wagtail - sand martin - heron - dragonfly/damselfly  
 Other significant observations: ✓ steep natural stream sequences 2 washbats approx 1m high

**S ALDERS (tick appropriate box(es))**

Abundant None  Present  Extensive  Dominant Alder: Name Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Draft geology code	Platform category
Distance from source (km)	Significant tributary?	Navigation?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: **6080**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **Browney**

Date: **10/5/1996** Time: **15:50** Surveyor name: **MO** Accreditation code: **PFZ**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee	concave/bowl (if U-shaped glacial valley - add 'U')
deep vee	symmetrical floodplain
gorge	asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)

Rifles <b>(6)</b>	Unvegetated point bars
Pools	Vegetated point bars <b>(1)</b>

AND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. N. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

FALLY (see DFF) for - Rifles <b>111</b>	Pools	Unveg side bars	Veg point bars
G PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only			
Spot check 1 is upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3
LEFT BANK TICK if functional fence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Material <b>EA EA EA EA EA EA EA EA EA EA</b>	<b>EA</b>	<b>EA</b>	<b>EA</b>
Bank modification(s) <b>NO NO NO NO NO NO NO NO NO NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
Bank feature(s) <b>VS VS VS VS VS VS VS VS VS VS</b>	<b>VS</b>	<b>VS</b>	<b>VS</b>
CHANNEL <b>NEW</b> (see DFF) (tick one box)	<b>NEW</b>	<b>NEW</b>	<b>NEW</b>
Channel substrate <b>GP GP GP GP GP GP GP GP GP GP</b>	<b>GP</b>	<b>GP</b>	<b>GP</b>
Substrate shape <b>FL FL FL FL FL FL FL FL FL FL</b>	<b>FL</b>	<b>FL</b>	<b>FL</b>
Flow type <b>FF FF FF FF FF FF FF FF FF FF</b>	<b>FF</b>	<b>FF</b>	<b>FF</b>
Channel modification(s) <b>NO NO NO NO NO NO NO NO NO NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
Channel feature(s) <b>VS VS VS VS VS VS VS VS VS VS</b>	<b>VS</b>	<b>VS</b>	<b>VS</b>
RIGHT BANK TICK if functional fence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Material <b>EA EA EA EA EA EA EA EA EA EA</b>	<b>EA</b>	<b>EA</b>	<b>EA</b>
Bank modification(s) <b>NO NO NO NO NO NO NO NO NO NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
Bank feature(s) <b>VS VS VS VS VS VS VS VS VS VS</b>	<b>VS</b>	<b>VS</b>	<b>VS</b>

P BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from <b>BL, CP, OL, NH, SC, FL, RP, AL, PL, WL, OW, SU</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>
LAND USE WITHIN 5m OF BANKTOP (L)	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>
LEFT BANK TOP (structure within 1m) <b>BL/SC</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>
LEFT BANK FACE (structure) <b>BL/SC</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>
RIGHT BANK FACE (structure) <b>BL/SC</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>
RIGHT BANK TOP (structure within 1m) <b>BL/SC</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>
LAND USE WITHIN 5m OF BANK TOP (R)	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>	<b>BL</b>

U CHANNEL VEGETATION TYPES (tick one box) (E 2-3% area) or tick (multiple) spots each at 20%

NONE	PLANT GENERA - list first 5								
Bryophytes/lichens	<b>1</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad leaved herbs	<b>Bank Urtica</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg reeds/sedge/rushes	<b>Phragmites</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Floating leafed (rooted)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free floating		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged leafless leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

WOODLAND USE WITHIN 50m OF BANKTOP (L)	<b>E</b>	<b>E</b>	Rough pasture (RP)		
WOODLAND USE WITHIN 50m OF BANKTOP (R)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<b>E</b>
Orchard (OR)			Tilled land (TL)		
Woodland/hoath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Arb (AC)			Open water (OW)		
All herbs + semi vegetation (TK)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Suburban/urban development (SU)		

Artificial/modified	L	R	Artificial/modified	L	R
Artificial/modified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Artificial + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Side	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Embankment			Artificial two-stage		
			Poached	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set back embankments		

PREVALENCE OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scam continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Concave woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (>1%)
Overbank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapids(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffles(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Runs(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boils(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marsh island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Obd(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pools(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **riffle/glide**

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	<b>14</b>	RIGHT BANK		
Banktop height (m)	<b>1.5</b>	Water width (m)	<b>11.2</b>	Banktop height (m)	<b>1.6</b>
Embanked height (m)		Water depth (m)	<b>0.2</b>	Embanked height (m)	<input checked="" type="checkbox"/>
If bankline lower than banktop break in slope, indicate: height (m) = width (m) =					
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> <b>bankpave</b> <input type="checkbox"/>					
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box)					

MANIPULATED FEATURES

None <input checked="" type="checkbox"/>	Number of Culverts =	Waist =	Outfalls =	Fords =
	Footbridges =	Roadbridges =	Other =	
Is water impounded by weir/ford? No <input checked="" type="checkbox"/> Yes, <33% of site <input type="checkbox"/> >33% of site <input type="checkbox"/>				

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None <input checked="" type="checkbox"/>	Dredging <input type="checkbox"/>	Mowing <input type="checkbox"/>	Weed-cutting <input type="checkbox"/>
	Enhancement <input type="checkbox"/>	Other? State:	

FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None <input type="checkbox"/>	Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
	Brick/side channels <input checked="" type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	
	Debris dams <input checked="" type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
	Leafy debris <input type="checkbox"/>	Fox <input type="checkbox"/>	Flush <input type="checkbox"/>	

CROCKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

NOTABLE NUISANCE PLANT SPECIES (use IFE note LARGE STANDS of colony eg)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? **Nastic Rhododendron bracteata**

PROBABLE CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - burning - mining - quarrying - overdevelopment - afforestation - fisheries management - fishing - other? =

Land Management: not explicit - buffer strip - landfilled - abandoned land - pasture - MoD - other? = **Woodland - semi improved grassland - h. fens**

Animals: water - mist - water vole - kingfisher - dipper - grey heron - mud martin - heron - dragonfly/damselfly

Other significant observations: **Semi natural river - embankment could be natural levee.**

ALDERS (tick appropriate box(es))

(None) None  Present  Extensive  Dispersed Alders None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 507  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: River: [unclear]  
 Date: 2/5/1996 Time: 1:45 Surveyor name: [unclear] Accreditation code: [unclear]  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate local number)**

Rifles: 3 Unvegetated point bars  
 Pools: Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (see IFE) for: Rifles  Pools  Unveg. side bars  Veg. point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - 1 = one entry only**

Spot check 1 m upstream of downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICE if functional fence										
Material WY, BE, BO, CO, CS, EA, FE, GE, GP, HP, JN, KA, LB, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ										
Bank modification(s) WY, BE, BO, CO, CS, EA, FE, GE, GP, HP, JN, KA, LB, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ										
Bank feature(s) WY, BE, BO, CO, CS, EA, FE, GE, GP, HP, JN, KA, LB, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ										
<b>CHANNEL</b> NEW, E, S, B, L, C, S, P, S, C, L, P, E, A, S										
Channel substrate WY, BE, BO, CO, CS, EA, FE, GE, GP, HP, JN, KA, LB, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ										
Substrate shape FL, OV, EL, SF, CU, PD, IR, O, DM, ...										
Flow type FL, CH, SW, UV, LS, RP, UP, SH, SP, SD										
Channel modification(s) WY, BE, BO, CO, CS, EA, FE, GE, GP, HP, JN, KA, LB, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ										
Channel feature(s) WY, BE, BO, CO, CS, EA, FE, GE, GP, HP, JN, KA, LB, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ										
<b>RIGHT BANK</b> TICE if functional fence										
Material WY, BE, BO, CO, CS, EA, FE, GE, GP, HP, JN, KA, LB, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ										
Bank modification(s) WY, BE, BO, CO, CS, EA, FE, GE, GP, HP, JN, KA, LB, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ										
Bank feature(s) WY, BE, BO, CO, CS, EA, FE, GE, GP, HP, JN, KA, LB, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ										
<b>F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)</b>										
Land use: choose one from BL, CP, OR, MH, SC, TH, RP, FG, RL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m) BUI/SIC										
LEFT BANK FACE (structure) BUI/SIC										
RIGHT BANK FACE (structure) BUI/SIC										
RIGHT BANK-TOP (structure within 1m) BUI/SIC										
LAND USE WITHIN 5m OF BANK TOP (R)										
<b>G. CHANNEL PLANT GENERA (tick one box only)</b>										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg roots/nodges/rushes										
Floating-leaved (rooted)										
Frac-floating										
Amphibious										
Submerged broad-leaved										
Submerg float/semi-leaved										
Filamentous algae										

SITE NO. 6087 1996 RIVER HABITAT SURVEY: SOIL SWEEP UP

**LAND USE AND VEGETATION**

	L	R		L	R
Broadleaved woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/improved grass (IG)		
Orchard (OR)			Tiled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/MODIFIED**

	L	R		L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Punched		
			Embanked		
			Set-back embankments		

**PREVALENT TREES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

None	Left	Right	None	Percent E (≥ 33%)
Isolated/scattered			Shading of channel	
Regularly spaced, single			Overhanging boughs	
Occasional clumps			Exposed bankside roots	
Semi-continuous			Underwater tree roots	
Continuous			Fallen trunks	
			Coarse woody debris	

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present E (≥ 33%)
Marginal deadwater	
Exposed bedrock	
Exposed boulders	
Unvegetated mid-channel bar(s)	
Vegetated mid-channel bar(s)	
Nature island(s)	
Unvegetated side bar(s)	
Vegetated side bar(s)	

**WATERFALLS**

Waterfall(s)	None	Present E (≥ 33%)
Cascade(s)		
Rapid(s)		
Riffle(s)		
Race(s)		
Boil(s)		
Slide(s)		
Pool(s)		

Indicate predominant flow sequence (select up to three features):  
 slide / race / riffle  
 smooth / rapid

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

<b>LEFT BANK</b>	Banktop width (m)	11.5	<b>RIGHT BANK</b>
Banktop height (m)	Water width (m)	11.2	Banktop height (m)
Embankment height (m)	Water depth (m)		Embankment height (m)

If embankment lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURAL FEATURES**

None  Number of Culverts = 1 Weirs = 1 Outfalls = 3 Fords = 1  
 Footbridges = 1 Roadbridges = 1 Other =

In water impounded by weirs/bars? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF AGENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State:

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Braided/side channels  Natural open water  Curt   
 Debris dams  Water meadow  Marsh   
 Lanky debris  Fen  Flush

**CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE NUISANCE PLANT SPECIES (tick one or more)**

None  Giant Hogweed  Goshawk's Ragwort  Japanese Knotweed  Other? Name Rhododendron bracteatum

**REMARKS**

Major impacts: bankfill - clipping - litter - sewage - pollution - through - obstruction - spill - dam - road - all industry - housing - mining - quarrying - overgrazing - silting - siltation - substrate management (alike) - other? =

Land Management: cut-side - buffer strip - bankfill - abandoned land - partition - MoD - other? =

Animals: otter - mink - water vole - hazel - dipper - grey wagtail - mud martin - biton - dragonflies/damselflies

Other significant observations: log carrying young a. backs

**STATUS**

Address? None  Present  Expansive  Disused Address? None  Present  Expansive









1996 RIVER HABITAT SURVEY with IFE mods for plant genera and faencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6057  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Peth  
 Date: 2/15/1996 Time: 11:30 Surveyor name: DEVIU Accreditation code: H32  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vcc  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vcc  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS: (indicate total number)**

Riffles: 4 Unvegetated point bars: 0  
 Pools: 0 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F.R. DANSON, IFE, RIVER LABORATORY, EAST STOEK, WARRERAM, 8120 688

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TAJL.V (see JHT) for Riffles Points Using side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* = one entry only**

Spot check 1 is upstream <input checked="" type="checkbox"/> downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional faeces	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Material <sup>HW</sup> <sup>BL</sup> <sup>CO</sup> <sup>CL</sup> <sup>EA</sup> <sup>EP</sup> <sup>FC</sup> <sup>FL</sup> <sup>GR</sup> <sup>HA</sup> <sup>LA</sup> <sup>LS</sup> <sup>MS</sup> <sup>PS</sup> <sup>RS</sup> <sup>SL</sup> <sup>SP</sup> <sup>ST</sup> <sup>TA</sup> <sup>TR</sup> <sup>VS</sup> <sup>VS</sup> <sup>VS</sup>	EA	EP	FC	FL	GR	HA	LA	LS	MS	PS
Bank modification(s) <sup>HW</sup> <sup>BL</sup> <sup>CO</sup> <sup>CL</sup> <sup>EA</sup> <sup>EP</sup> <sup>FC</sup> <sup>FL</sup> <sup>GR</sup> <sup>HA</sup> <sup>LA</sup> <sup>LS</sup> <sup>MS</sup> <sup>PS</sup> <sup>RS</sup> <sup>SL</sup> <sup>SP</sup> <sup>ST</sup> <sup>TA</sup> <sup>TR</sup> <sup>VS</sup> <sup>VS</sup> <sup>VS</sup>	RS	SL	SP	ST	TA	TR	VS	VS	VS	VS
Bank feature(s) <sup>HW</sup> <sup>BL</sup> <sup>CO</sup> <sup>CL</sup> <sup>EA</sup> <sup>EP</sup> <sup>FC</sup> <sup>FL</sup> <sup>GR</sup> <sup>HA</sup> <sup>LA</sup> <sup>LS</sup> <sup>MS</sup> <sup>PS</sup> <sup>RS</sup> <sup>SL</sup> <sup>SP</sup> <sup>ST</sup> <sup>TA</sup> <sup>TR</sup> <sup>VS</sup> <sup>VS</sup> <sup>VS</sup>	SC	NG	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL <sup>HW</sup> <sup>BL</sup> <sup>CO</sup> <sup>CL</sup> <sup>EA</sup> <sup>EP</sup> <sup>FC</sup> <sup>FL</sup> <sup>GR</sup> <sup>HA</sup> <sup>LA</sup> <sup>LS</sup> <sup>MS</sup> <sup>PS</sup> <sup>RS</sup> <sup>SL</sup> <sup>SP</sup> <sup>ST</sup> <sup>TA</sup> <sup>TR</sup> <sup>VS</sup> <sup>VS</sup> <sup>VS</sup>	FL	GR	HA	LA	LS	MS	PS	RS	SL	SP
Channel substrate <sup>HW</sup> <sup>BL</sup> <sup>CO</sup> <sup>CL</sup> <sup>EA</sup> <sup>EP</sup> <sup>FC</sup> <sup>FL</sup> <sup>GR</sup> <sup>HA</sup> <sup>LA</sup> <sup>LS</sup> <sup>MS</sup> <sup>PS</sup> <sup>RS</sup> <sup>SL</sup> <sup>SP</sup> <sup>ST</sup> <sup>TA</sup> <sup>TR</sup> <sup>VS</sup> <sup>VS</sup> <sup>VS</sup>	GR									
Substrate shape <sup>FL</sup> <sup>GR</sup> <sup>HA</sup> <sup>LA</sup> <sup>LS</sup> <sup>MS</sup> <sup>PS</sup> <sup>RS</sup> <sup>SL</sup> <sup>SP</sup> <sup>ST</sup> <sup>TA</sup> <sup>TR</sup> <sup>VS</sup> <sup>VS</sup> <sup>VS</sup>	IR									
Flow type <sup>FL</sup> <sup>GR</sup> <sup>HA</sup> <sup>LA</sup> <sup>LS</sup> <sup>MS</sup> <sup>PS</sup> <sup>RS</sup> <sup>SL</sup> <sup>SP</sup> <sup>ST</sup> <sup>TA</sup> <sup>TR</sup> <sup>VS</sup> <sup>VS</sup> <sup>VS</sup>	LP	RP	SM	UN	SM	SM	RP	RP	RP	SM
Channel modification(s) <sup>HW</sup> <sup>BL</sup> <sup>CO</sup> <sup>CL</sup> <sup>EA</sup> <sup>EP</sup> <sup>FC</sup> <sup>FL</sup> <sup>GR</sup> <sup>HA</sup> <sup>LA</sup> <sup>LS</sup> <sup>MS</sup> <sup>PS</sup> <sup>RS</sup> <sup>SL</sup> <sup>SP</sup> <sup>ST</sup> <sup>TA</sup> <sup>TR</sup> <sup>VS</sup> <sup>VS</sup> <sup>VS</sup>	NO									
Channel feature(s) <sup>HW</sup> <sup>BL</sup> <sup>CO</sup> <sup>CL</sup> <sup>EA</sup> <sup>EP</sup> <sup>FC</sup> <sup>FL</sup> <sup>GR</sup> <sup>HA</sup> <sup>LA</sup> <sup>LS</sup> <sup>MS</sup> <sup>PS</sup> <sup>RS</sup> <sup>SL</sup> <sup>SP</sup> <sup>ST</sup> <sup>TA</sup> <sup>TR</sup> <sup>VS</sup> <sup>VS</sup> <sup>VS</sup>	NO									
RIGHT BANK TICK if functional faeces	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Material <sup>HW</sup> <sup>BL</sup> <sup>CO</sup> <sup>CL</sup> <sup>EA</sup> <sup>EP</sup> <sup>FC</sup> <sup>FL</sup> <sup>GR</sup> <sup>HA</sup> <sup>LA</sup> <sup>LS</sup> <sup>MS</sup> <sup>PS</sup> <sup>RS</sup> <sup>SL</sup> <sup>SP</sup> <sup>ST</sup> <sup>TA</sup> <sup>TR</sup> <sup>VS</sup> <sup>VS</sup> <sup>VS</sup>	EA	EP	FC	FL	GR	HA	LA	LS	MS	PS
Bank modification(s) <sup>HW</sup> <sup>BL</sup> <sup>CO</sup> <sup>CL</sup> <sup>EA</sup> <sup>EP</sup> <sup>FC</sup> <sup>FL</sup> <sup>GR</sup> <sup>HA</sup> <sup>LA</sup> <sup>LS</sup> <sup>MS</sup> <sup>PS</sup> <sup>RS</sup> <sup>SL</sup> <sup>SP</sup> <sup>ST</sup> <sup>TA</sup> <sup>TR</sup> <sup>VS</sup> <sup>VS</sup> <sup>VS</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <sup>HW</sup> <sup>BL</sup> <sup>CO</sup> <sup>CL</sup> <sup>EA</sup> <sup>EP</sup> <sup>FC</sup> <sup>FL</sup> <sup>GR</sup> <sup>HA</sup> <sup>LA</sup> <sup>LS</sup> <sup>MS</sup> <sup>PS</sup> <sup>RS</sup> <sup>SL</sup> <sup>SP</sup> <sup>ST</sup> <sup>TA</sup> <sup>TR</sup> <sup>VS</sup> <sup>VS</sup> <sup>VS</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**P BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CO, HA, MS, TH, SP, TA, TR, VS, VS, VS

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	TH	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) BANKSC	S									S
LEFT BANK FACE (structure) BANKSC	S									S
RIGHT BANK FACE (structure) BANKSC	S									S
RIGHT BANK-TOP (structure within 1m) BANKSC	S									S
LAND USE WITHIN 5m OF BANK TOP (R)	S									S

**G CHANNEL VEGETATION TYPES (10m wide transect: E (2-3% area) or tick (previous) 500m transect)**

NONE										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/ sedg/po/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibians										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. 6057 1996 RIVER HABITAT SURVEY: 500M SWEEP UP Page 3 of 4

**RIVER LAND USE WITHIN 5m OF BANKTOP (E (2-3% area) or tick (previous) 500m transect)**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TR)			Suburban/urban development (SU)		

**CHANNEL FORMS (tick one box per feature)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/normal			Reinforced	E	E
Vertical + toe			Reinforced - whole bank	E	E
Slope (>4:1)			Reinforced - top only	E	E
Gentle			Reinforced - toe only	E	E
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

**ASSOCIATION OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scrub continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**CHANNEL CHARACTERISTICS (tick one box per feature)**

Waterfall(s)	None	Present E	Marginal dead-water	None	Present E (≥ 33%)
Concave(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): 1, 2, 3

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**I CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	6.75	RIGHT BANK	
Banktop height (m)	Water width (m)	6.75	Banktop height (m)	1.00
Embarked height (m)	Water depth (m)	0.40	Embarked height (m)	

If waterline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**II CHANNEL VEGETATION (tick one box per feature)**

None  Number of Culverts = Weirs = Overfalls = Falls =  
 Footbridges = Railbridges = Other =

In water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**III EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State:

**IV FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Loose debris  Fen  Flush

**V CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**VI SUSCEPTIBLE NUISANCE PLANT SPECIES (use I, II, III, IV, V, VI, VII, VIII, IX, X, XI, XII, XIII, XIV, XV, XVI, XVII, XVIII, XIX, XX, XXI, XXII, XXIII, XXIV, XXV, XXVI, XXVII, XXVIII, XXIX, XXX)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (state)

**VII CHANNEL CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - siting - other =

Land Management: set-back - buffer strip - woodland - abandoned land - parkland - MoD - other =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly  
 Other significant observations:

**VIII ALGDS (tick appropriate box(es))**

Algae? None  Present  Extensive  Discarded Algae? None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6575  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: EDX  
 Date: 1.1.1996 Time: 12.00 Surveyor name: P. J. ... Accreditation code: ...

Adverse conditions affecting survey? No  Yes  If yes, state ...

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vcc  concave/bowl (if U-shaped glacial valley - odd 'U')  
 deep vcc  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total)**

Riffles ( ) Unvegetated point bars ( )  
 Pools ( ) Vegetated point bars ( )

D COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F. H. DAWSON, IFE, LIVER LABORATORY, EAST STOLE, WAREHAM, BH10 6BB

**TALLY (use IFE for Riffles Pools Unveg. side bars Veg point bars)**

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* = one entry only**

Spot check 1 is upstream / downstream

LEFT BANK	TICK if fractional fence	1	2	3	4	5	6	7	8	9	10
Material <u>W, M, SO, CO, CL, SL, PL, OL, CC, SF, SP, CI, BR, SH, SF</u>	EA										
Bank modification(s) <u>W, M, SO, CL, SL, PL, OL, CC, SF, SP, CI, BR, SH, SF</u>	NO										
Bank feature(s) <u>W, M, SO, CL, SL, PL, OL, CC, SF, SP, CI, BR, SH, SF</u>	PE	PE	PB	PE	PD	NU	NO	NO	NO	NO	NO
CHANNEL - NEW - substrate shape codes: <u>FL, OV, EL, SF, CU, PO, R, DM, ...</u>	FL	OV	EL	SF	CU	PO	R	DM	...	...	...
Channel substrate <u>W, M, SO, CO, CL, SL, PL, OL, CC, SF, SP, CI, BR, SH, SF</u>	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape <u>FL, OV, EL, SF, CU, PO, R, DM, ...</u>	1R	1R	1R	1R	1R	1R	1R	1R	1R	1R	1R
Flow type <u>FL, OV, EL, SF, CU, PO, R, DM, ...</u>	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
Channel modification(s) <u>W, M, SO, CL, SL, PL, OL, CC, SF, SP, CI, BR, SH, SF</u>	NO										
Channel feature(s) <u>W, M, SO, CL, SL, PL, OL, CC, SF, SP, CI, BR, SH, SF</u>	?										
RIGHT BANK	TICK if fractional fence										
Material <u>W, M, SO, CO, CL, SL, PL, OL, CC, SF, SP, CI, BR, SH, SF</u>	LO	CO	CO	LI	EN	EA	LP	EA	EA	EA	EA
Bank modification(s) <u>W, M, SO, CL, SL, PL, OL, CC, SF, SP, CI, BR, SH, SF</u>	NO										
Bank feature(s) <u>W, M, SO, CL, SL, PL, OL, CC, SF, SP, CI, BR, SH, SF</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RL, CP, OR, NH, SC, TR, OF, IG, TL, RL, OV, SD

LAND USE WITHIN 5m OF BANKTOP (L)	IG										
LEFT BANK-TOP (structure within 1m) BAUSC	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BAUSC	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	PL	EL	EL	EL	IG	IG	IG	IG	IG	IG	IG

**Q CHANNEL VEGETATION TYPES (flow wide transect: E (2-33% bankfull), S (2-33% bankfull), S (2-33% bankfull), S (2-33% bankfull))**

NONE	PLANT GENERA - list first 5										
Bryophytes/lichens	I										
Emerg broad-leaved herbs	ICEN										
Emerg roots/god/rushes	IP1										
Floting leaved (rooted)	I										
Free-floating	I										
Amphibious	I										
Submerged broad leaved	I										
Submerg float/leaved	IRANV, STAR										
Filamentous algae	I										

**LAND USE WITHIN 50m OF BANKTOP (tick one box)**

woodland/semi woodland (RL)		E	Rough pasture (RP)			
intensive plantation (CP)			improved/semi-improved grass (IG)		E	E
chard (OR)			Tilled land (TL)			
Moorland/heath (MO)			Wetland (eg bog, marsh, fen) (WL)			
sh (SO)			Open water (OW)			
herbs and vegetation (HO)			Suburban/urban development (SU)			

**ARTIFICIAL FEATURES**

Natural/semi-nat	L	R	Artificial/modified	L	R
ditch/undercut	✓	✓	Recessed		
ditch + bar			Reinforced - whole bank		
→p (>45°)		E	Reinforced - top only		
Gentle			Reinforced - toe only		
steep	E	E	Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**EXTENT OF TREES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

None	Left	Right	None	Present E (2-33%)
Isolated/scattered	✓	✓	Shading of channel	✓
Regularly spaced, single	✓	✓	Overhanging boughs	✓
Occasional clumps	✓	✓	Exposed bankside roots	✓
Some continuous	✓	✓	Underwater tree roots	✓
Continuous	✓	✓	Fallen trees	✓
			Course woody debris	✓

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present E (2-33%)
Marginal decubitor	✓
Exposed bedrock	✓
Exposed boulders	✓
Unvegetated mid channel bar(s)	✓
Vegetated mid channel bar(s)	✓
Mature island(s)	✓
Unvegetated side bar(s)	✓
Vegetated side bar(s)	✓

**NATURAL CHANNEL FEATURES**

Waterfall(s)	None	Present E (2-33%)
Cascade(s)	✓	✓
Rapid(s)	✓	✓
Riffle(s)	✓	✓
Run(s)	✓	✓
Bank(s)	✓	✓
Chide(s)	✓	✓
Point(s)	✓	✓

catic predominant flow sequence (select up to three features): run / bank / point

**CHANNEL DIMENSIONS (to be measured at one site on a straight, uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	SD.0	RIGHT BANK
Banktop height (m)	Water width (m)	34.0	Banktop height (m)
Embanked height (m)	Water depth (m)	0.5	Embanked height (m)

If waterline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES (indicate total number of each type)**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Footbridges = 0 Roadbridges = 0 Other = 0

In water impounded by weirs? No  Yes, <33% of site  >33% of site

**E EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Weed-cutting   
 Enhancement  Other? State ...

**G FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Bridled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fox  Flush

**F CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q NOTABLE NUISANCE PLANT SPECIES Use IFE (2-33% bankfull), S (2-33% bankfull), S (2-33% bankfull)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle, Rhododendron fruticosus

**GENERAL CHARACTERISTICS (Circle appropriate words, tick others as necessary)**

Major impacts: bankfill - slipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? =

Land Management: set-back - buffer strip - headland - abandoned land - partial - MoD - other? =

Animals: otter - mink - water vole - kingfisher - slipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: willow

**S ALDGES (tick appropriate box(es))**

Algae? None  Present  Extensive  Diatoms? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE codes for plant genera and feeding Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6090  
 Mid-site grid reference of network site if different from designated location:  
 ? DAVE BECK  
 River: ROBBERS' WATER  
 Grid Reference: 614369  
 Date: 3.1.1996 Time: 12:30 Surveyor name: DEVILU Accreditation code: PFR  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  shallow concave/bowl (If U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles: THREE Unvegetated point bars: 0  
 Pools: 0 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WALKERAM, RH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (see IFE) for Rifles Pools Unveg. side bars Veg point bars

**U. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is upstream  downstream

LEFT BANK	TICK if functional focus	1	2	3	4	5	6	7	8	9	10
Material <sup>W,AE,AL,NO,CO,CS,SL,PE,CL,CP,FF,GA,BA,BA,BA</sup>	EA EA EA EA EA EA EA EA EA EA EA										
Bank modification(s) <sup>W,NO,AL,AL,PC,BA,BA,BA</sup>	NO NO PE NO PE PE PE PE PE PE PE										
Bank feature(s) <sup>W,NO,EC,SC,FR,FF,SB,VS</sup>	NO NO NO EL NO EL NO NO NO NO NO										
Channel substrate <sup>W,AE,AL,NO,CO,CP,SL,SL,CL,PC,AR</sup>	GP GP GP GP GP GP GP GP GP GP GP										
Substrate shape <sup>FL,OL,EL,SP,CU,PO,RO,OHM,OHM</sup>	IL IL IL IL IL IL IL IL IL IL IL										
Flow type <sup>FL,OL,OH,OH,OL,OL,OL,OL,OL,OL,OL,OL</sup>	UW UW UW UW UW BW UW UW UW UW UW										
Channel modification(s) <sup>W,NO,CO,AL,BA,BA,BA</sup>	NO NO NO NO NO NO NO NO NO NO NO										
Channel feature(s) <sup>W,NO,AL,AL,PC,BA,BA,BA</sup>	NO NO NO NO NO NO NO NO NO NO NO										
<b>RIGHT BANK</b>	<b>TICK if functional focus</b>										
Material <sup>W,AE,AL,NO,CO,CS,SL,PE,CL,CP,FF,GA,BA,BA,BA</sup>	EA EA EA EA EA EA EA EA EA EA EA										
Bank modification(s) <sup>W,NO,AL,AL,PC,BA,BA,BA</sup>	NO NO PE NO PE PE PE PE PE PE PE										
Bank feature(s) <sup>W,NO,EC,SC,FR,FF,SB,VS</sup>	NO NO NO NO NO NO NO NO NO NO NO										

**P. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from W, CP, OH, HK, IC, TH, RP, AG, FL, OL, OH, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1G	1C	1G	1G	1G	1G	1G	1G	1G	1G
LEFT BANK TOP (structure within 1m) <sup>W,NO,CO</sup>	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <sup>W,NO,CO</sup>	U	U	B	B	B	B	U	B	S	B
RIGHT BANK TOP (structure within 1m) <sup>W,NO,CO</sup>	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) <sup>W,NO,CO</sup>	U	U	B	B	B	B	U	B	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G

**Q. CHANNEL VEGETATION TYPES (tick one box only)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg wood/sedge/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/finely leaved										
Filamentous algae										

SITE NO. 6090 1996 RIVER HABITAT SURVEY: SOON SWEEP

**WATER AND VEGETATION OF BANKTOP**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OK)			Tilled land (TL)		
Moorland/heath (MO)			Wasteland (veg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Suburban/urban development (SU)		

**CHANNEL FORM**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/median			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**VEGETATION OF BANKTOP AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2:11S)
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scrub continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**CHANNEL CHARACTERISTICS**

Waterfall(s)	None	Present E	Marginal dead-water	None	Present E (2:11S)
Overbank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RIFFLE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight reach with a relatively uniform bed and banks across a riffle)**

LEFT BANK	Banktop width (m)	2.30	RIGHT BANK	Banktop width (m)	2.30
Banktop height (m)	0.40	Water width (m)	2.00	Banktop height (m)	0.20
Embanked height (m)		Water depth (m)	0.10	Embanked height (m)	

If trachea lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  outcrops

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURAL FEATURES (indicate total number)**

None  Number of Culverts = Weirs = Footbridges = Outfalls = Fords =  
 Is water impounded by weirs? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Weed-cutting   
 Embankment  Other? Sluiceway

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Broad/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flank

**CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE NUISANCE PLANT SPECIES (tick one box per species)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**GENERAL CHARACTERISTICS**

Major impacts: bushiness - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? =  
 Lead Management: set aside - buffer strip - hedland - abandoned land - parkland - MoD - other? =

Animals: otter - eel - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonfly/damselfly

Other significant observations: FAST FLOWING, MINUS LARGE STREAM PASSING THROUGH PASTURE. SOME EVIDENCE OF 'ENHANCEMENT' OF BANK BY FARMER TO PREVENT NEARBY EROSION. OR REINFORCEMENT

**ALTERS (tick appropriate box(es))**

Almond? None  Present  Extensive  Disused Almond? None  Present  Extensive



BACKGROUND MAP-BASED INFORMATION

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6046  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Weir  
 Date: 11/11/1996 Time: 11:40 Surveyor name: JJC Accreditation code: PC42


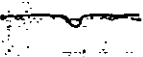
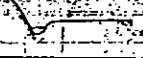
Adverse conditions affecting survey? No  Yes  If yes, state

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

<input type="checkbox"/> shallow vee		<input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add 'U')
<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No  Yes  IFE VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)  
 Riffles 1 Unvegetated point bars 1  
 Pools 1 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAKEHAM, BH20 6BB

TALLY (see PDF for Riffles) Pools Unveg. side bars Veg. point bars

Spot check 1: upstream	2	3	4	5	6	7	8	9	10
LEFT BANK (structure within 1m) (tick one box only)									
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL VEGETATION (tick if functional)									
Channel substrate	NU	NU	NU	NU	NU	NU	NU	NU	NU
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Channel feature(s)	NS	NS	NS	NS	NS	NS	NS	NS	NS
RIGHT BANK (structure within 1m) (tick one box only)									
Material	NV	NV	NV	NV	NV	NV	NV	NV	NV
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. BANKTOP LAND USE AND VEGETATION STRUCTURE (tick one box only)									
Land use: choose one from BL, CP, OR, WH, SC, TH, RP, IG, TL, WL, OW, SU									
LAND USE WITHIN 5m OF BANKTOP (L)	SC	OL	TI	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) (tick one box only)	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) (tick one box only)	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) (tick one box only)	U	U	S	U	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) (tick one box only)	U	U	U	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	SC	TH	SC	SC	OL
C. CHANNEL VEGETATION COVERAGE (tick one box only)									
NONE									
PLANT GENERA - list first 5									
Bryophytes/lichens									
Emerg broad-leaved herbs									
Emerg reeds/edges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerged fine/linear-leaved									
Filamentous algae									

E. RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES

EXCHANGE DIMENSIONS (tick one box only)

LEFT BANK	Banktop width (m)	<u>70</u>	RIGHT BANK	Banktop width (m)	<u>70</u>
Banktop height (m)	<u>20</u>	Water width (m)	<u>120</u>	Banktop height (m)	<u>20</u>
Embarked height (m)	<u>12</u>	Water depth (m)	<u>12</u>	Embarked height (m)	<u>12</u>

If trouble-free then banktop break in slope, indicate: height (m) = 12 width (m) = 120

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of commercial ic: riffle  run or glide  other  (tick one box)

STRUCTURAL FEATURES (tick one box only)

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Footbridges = 0 Other = 0

Is water impounded by weir/dam? No  Yes, < 3% of site  > 3% of site

MEANS OF BANK AND SOCIETY FEATURES

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other ? State

FEATURES OF SPECIAL INTEREST (tick one box only)

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foss  Flush

PACKED CHANNELS (tick one box only)

Is 3% or more of the channel choked with vegetation? NO  YES

QUANTIFIABLE PLANT SPECIES (tick one box only)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? None Rhododendron bracken

VEGETATION CHARACTERISTICS (tick one box only)

Major impacts: bankfill - topsoil - lime - sewage pollution - silt - dam - road - industry - housing - mining - quarrying - overgrazing - afforestation - suburban development - other? None

Lead Management: ed - side - buffer strip - bankfill - abandoned land - parkland - MoD - other? None

Animals: enter - mist - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonfly/damselfly

Other significant observations: wide slow moving water

VALLEY FORM (tick one box only)

Almost None  Present  Extensive  Dissected Almost None  Present  Extensive

to predominant flow sequence (select up to three features): Glide

E. RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES

EXCHANGE DIMENSIONS (tick one box only)

LEFT BANK	Banktop width (m)	<u>70</u>	RIGHT BANK	Banktop width (m)	<u>70</u>
Banktop height (m)	<u>20</u>	Water width (m)	<u>120</u>	Banktop height (m)	<u>20</u>
Embarked height (m)	<u>12</u>	Water depth (m)	<u>12</u>	Embarked height (m)	<u>12</u>

If trouble-free then banktop break in slope, indicate: height (m) = 12 width (m) = 120

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of commercial ic: riffle  run or glide  other  (tick one box)

STRUCTURAL FEATURES (tick one box only)

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Footbridges = 0 Other = 0

Is water impounded by weir/dam? No  Yes, < 3% of site  > 3% of site

MEANS OF BANK AND SOCIETY FEATURES

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other ? State

FEATURES OF SPECIAL INTEREST (tick one box only)

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foss  Flush

PACKED CHANNELS (tick one box only)

Is 3% or more of the channel choked with vegetation? NO  YES

QUANTIFIABLE PLANT SPECIES (tick one box only)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? None Rhododendron bracken

VEGETATION CHARACTERISTICS (tick one box only)

Major impacts: bankfill - topsoil - lime - sewage pollution - silt - dam - road - industry - housing - mining - quarrying - overgrazing - afforestation - suburban development - other? None

Lead Management: ed - side - buffer strip - bankfill - abandoned land - parkland - MoD - other? None

Animals: enter - mist - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonfly/damselfly

Other significant observations: wide slow moving water

VALLEY FORM (tick one box only)

Almost None  Present  Extensive  Dissected Almost None  Present  Extensive

to predominant flow sequence (select up to three features): Glide







1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6099  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: MERRON  
 Date: 22.1.1996 Time: 13:30 Surveyor name: DEMLUE Accreditation code: PF8  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIPPLES, POOLS AND POINT BARS (indicate total number)**

Ripples 6 Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.N. DAWSON, IFE, RIVER LABORATORY, EAST STOEKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

FULLY (see IFE) for R/Flex (N) Pools Unveg side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 - vegetation  downstream

LEFT BANK	TICK if functional fence	1	2	3	4	5	6	7	8	9	10
Material <u>W, M, CO, CS, CL, M, CL, GP, SP, M, CL, M, W, M</u>		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>W, M, CO, CS, CL, M, CL, GP, SP, M, CL, M, W, M</u>		RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <u>W, M, CO, CS, CL, M, CL, GP, SP, M, CL, M, W, M</u>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <u>W, M, CO, CS, CL, M, CL, GP, SP, M, CL, M, W, M</u>		GP									
Substrate shape <u>FL, OV, EL, SP, CU, PD, M, DM, ...</u>		IR									
Flow type <u>FL, OV, EL, SP, CU, PD, M, DM, ...</u>		RP	RP	W	W	RP	RP	RP	RP	W	W
Channel modification(s) <u>W, M, CO, CS, CL, M, CL, GP, SP, M, CL, M, W, M</u>		NO									
Channel feature(s) <u>W, M, CO, CS, CL, M, CL, GP, SP, M, CL, M, W, M</u>		NO									
<b>RIGHT BANK</b>	TICK if functional fence										
Material <u>W, M, CO, CS, CL, M, CL, GP, SP, M, CL, M, W, M</u>		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>W, M, CO, CS, CL, M, CL, GP, SP, M, CL, M, W, M</u>		RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <u>W, M, CO, CS, CL, M, CL, GP, SP, M, CL, M, W, M</u>		EC	NO	NO	NO	NO	NO	EL	NO	NO	EC

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, DR, MH, SC, TH, AG, FL, WL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	<u>RP</u>										
LEFT BANK-TOP (structure within 1m) <u>BL</u>	<u>U</u>										
LEFT BANK FACE (structure) <u>BL</u>	<u>U</u>	<u>U</u>	<u>B</u>	<u>S</u>	<u>U</u>	<u>S</u>	<u>U</u>	<u>U</u>	<u>S</u>	<u>U</u>	<u>S</u>
RIGHT BANK FACE (structure) <u>BL</u>	<u>B</u>	<u>U</u>	<u>U</u>	<u>U</u>	<u>U</u>	<u>C</u>	<u>C</u>	<u>U</u>	<u>B</u>		
RIGHT BANK-TOP (structure within 1m) <u>BL</u>	<u>U</u>	<u>U</u>	<u>U</u>	<u>U</u>	<u>U</u>	<u>S</u>	<u>S</u>	<u>S</u>	<u>S</u>	<u>S</u>	<u>S</u>
LAND USE WITHIN 5m OF BANK TOP (R)	<u>IG</u>	<u>IG</u>	<u>IG</u>	<u>IG</u>	<u>IG</u>	<u>IG</u>	<u>IG</u>	<u>CP</u>	<u>CP</u>	<u>CP</u>	<u>BL</u>

**G. CHANNEL VEGETATION TYPES (10m wide transect: E (2.33% above) for tick (optical) 300m (width))**

NONE (PLANT GENERA - list first 5)

Bryophytes/lichens											
Emergent broad-leaved herbs <u>HOAR CALLY GEM</u>											
Emergent reeds/sedge/reeds <u>LONG PITHS</u>											
Floating-leaved (rooted)											
Free-floating											
Ambitious											
Submerged broad-leaved											
Submerged fine/linear-leaved <u>GLC</u>											
Filamentous algae											

SITE NO. 6099 1996 RIVER HABITAT SURVEY: 300m SWEEP UP

	L	R		L	R
Broad/linear woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)		<input checked="" type="checkbox"/>
Coniferous plantation (CP)		<input checked="" type="checkbox"/>	Improved/semi-improved grass (IG)		<input checked="" type="checkbox"/>
Orchard (OR)			Tidal land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Straw (SC)			Open water (OW)		
Tall herb* next vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/UNMODIFIED** **ARTIFICIAL/MODIFIED**

Vertical/wetland <u>2</u>	<u>2</u>		Reinforced - whole bank	<u>2</u>	<u>2</u>
Vertical + toe			Reinforced - top only		
Steep (>45)			Reinforced - toe only		
Grade			Artificial two-stage		
Composite			Punched		
			Embedded		
			Set back embankments		

**EXTENT OF TREES AND ASSOCIATED FEA (TREES)**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2.33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/clustered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pollen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATERBODIES**

	None	Present E (2.33%)
Marginal downwater	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RIPPLE / RW

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	<u>6.50</u>	RIGHT BANK	Banktop height (m)	<u>1.00</u>
Banktop height (m)	<u>1.00</u>	Water width (m)	<u>4.00</u>	Banktop height (m)	<u>1.00</u>
Embedded height (m)	<u>0.00</u>	Water depth (m)	<u>0.00</u>	Embedded height (m)	

If transect lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material of site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**WATERBODIES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOICE CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE NUISANCE PLANT SPECIES (tick one box)** - IFE: some LARGE STANDS of others eg

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Note Rhododendron bracken

**WATERBODIES**

Major impacts: bankfill - tipping - silt - sewage - pollution - drought - obstruction - silt - dam - rock - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - other? = \_\_\_\_\_

Land Management: set aside - buffer strip - headland - abandoned land - partition - M&D - other? = \_\_\_\_\_

Animals: other - mink - water vole - kingfisher - dipper - grey heron - mallard - grebe - dragonfly/damselfly

Other significant observations: straight section of small river running parallel to disused railway along left bank.

**WATERBODIES** (tick appropriate box(es))

Abandon? None  Present  Extensive  Disused Abandon? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary?	Navigation?
Height of source (m)	Water Quality Class	

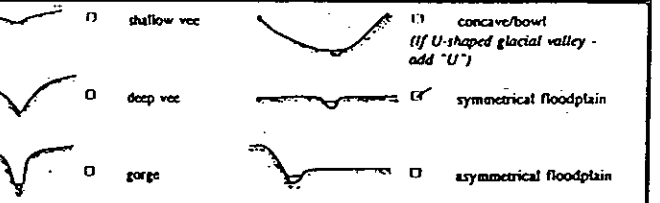
FIELD SURVEY DETAILS

Reference network site number: **6101**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **POW BECK**  
 Date: **31/5/1996** Time: **09:00** Surveyor name: **DEVILLE** Accreditation code: **PF8**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM: (tick one box only)



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFLES, POOLS AND POINT BARS: (indicate total number)

Rifles <b>4</b>	Unvegetated point bars
Pools	Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

TALLY (see IFEs for Riffles Pools Unveg side bars Veg point bars)

B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - see entry only

Spot check 1 is upstream	2	3	4	5	6	7	8	9	10	
LEFT BANK	TICK if functional fence									
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
Channel substrate	GP									
Substrate shape	IR									
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO									
Channel feature(s)	NO									

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CF, OR, HR, SC, TH, RP, IC, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG									
LEFT BANK TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	C	C	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m)	S	S	C	C	S	U	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IC	IC	IG	IG	TH	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES (10m wide transect: E (20% cover) or tick (previous) 500m) (tick one box)

NONE	/ PLANT GENERA - list first 5									
Bryophytes/lichens										
Emerg broad-leaved herbs	WENA	E	E	E	✓	✓	✓	✓	✓	✓
Emerg root/rod/pole/rushes	ITUNK									✓
Floating-leaved (rooted)										
Free-floating										
Amphibious	IRUMZ				✓					✓
Submerged broad-leaved	GLYX									
Submerg floating-leaved	GLYX	E	E	E	E	E	E	E	E	✓
Filamentous type		E	E	E	E	✓	✓	✓	✓	✓

1996 RIVER HABITAT SURVEY: 500M SWEEP IFE

alder/modified woodland (BL)									
alderous plantation (CP)									
alder (OR)									
Moorland/heath (MH)									
open (OC)									
herb (HC)									
herb (HT)									
Netural/unmodified	L	R	Artificial/modified	L	R				
Reinforced	E	E	Embanked	E	E				
Reinforced - whole bank			Reinforced - top only						
Reinforced - toe only			Artificial two-stage						
Embanked			Embanked						
Sci-back embankment									

PREVALENCE OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2/3%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Overwater woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal sand/river	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Moore island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Point(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

site predominant flow sequence (select up to three features): **RIFFLS/RUN**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at and site on a straight uniform section, preferably against a riffle)

LEFT BANK	Banktop width (m)	4.0	RIGHT BANK
Banktop height (m)	Water width (m)	3.0	Banktop height (m)
Embanked height (m)	Water depth (m)	0.3	Embanked height (m)

If width less than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - see entry only

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = 1

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

C EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None  Dredging  Moving  Weir cutting   
 Enhancement  Other? State: \_\_\_\_\_

D FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Broad/ride channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

F CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

G NOTABLE NUISANCE PLANT SPECIES Use 0 or 1 (0 = 33% bank(s)) IFE site LARGE STANDS of (state)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron bracken

H ENVIRONMENTAL CHARACTERISTICS (Circle appropriate box(es) (tick one box per feature))

Major impacts: load(s) - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - silt - other? = \_\_\_\_\_

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Large stream running through parkland but quite choked with vegetation etc. Possible reconnection in the past but no evidence has on right bank which is to be a long term eye.

I ALDERS (tick appropriate box(es))

Alders? None  Present  Extensive  Decayed Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFFB mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6103  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: ALBA BECK  
 Date: 31/1/1996 Time: 11:30 Surveyor name: DEVILUG Accreditation code: PF8

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS: (indicate total number)**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOLEE, WAREHAM, BH20 6BS

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

FAMILY (see IFFB) for: Riffles Pools Unveg side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* use only one**

Spot check 1 is upstream  downstream

LEFT BANK: TICK if functional fence	1	2	3	4	5	6	7	8	9	10
Material <u>MP, MO, DO, CO, CL, PL, CE, CP, CR, CA, BR, BR</u>	BE	CO	BE	BE	BE	BE	BE	BE	BE	CO
Bank modification(s) <u>MP, MO, DO, CO, CL, PL, CE, CP, CR, CA, BR, BR</u>	NO									
Bank feature(s) <u>MP, MO, DO, CO, CL, PL, CE, CP, CR, CA, BR, BR</u>	NO	CC	NO	SC	SC	SC	SC	SC	SC	NO
Channel substrate <u>MP, MO, DO, CO, CL, PL, CE, CP, CR, CA, BR, BR</u>	GC	BO	BE	BE	BE	BE	BE	BE	BE	CP
Substrate shape <u>FL, OV, EL, CP, PO, B, O, BR, O, BR</u>	IR									IR
Flow type <u>FL, OV, EL, CP, PO, B, O, BR, O, BR</u>	CM	CF	CM	CF	CF	CF	CF	CF	CF	UM
Channel modification(s) <u>MP, MO, DO, CO, CL, PL, CE, CP, CR, CA, BR, BR</u>	NO									
Channel feature(s) <u>MP, MO, DO, CO, CL, PL, CE, CP, CR, CA, BR, BR</u>	RO	M1	RO	RO	RO	NO	M1	M1	M1	M1B
RIGHT BANK: TICK if functional fence										
Material <u>MP, MO, DO, CO, CL, PL, CE, CP, CR, CA, BR, BR</u>	GC	BO	BE	BE	BE	BE	BE	BE	BE	CO
Bank modification(s) <u>MP, MO, DO, CO, CL, PL, CE, CP, CR, CA, BR, BR</u>	NO									
Bank feature(s) <u>MP, MO, DO, CO, CL, PL, CE, CP, CR, CA, BR, BR</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from: BL, CL, OR, HL, SC, TH, ST, NO, TL, ML, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	R	TH	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m) BAUSC	S	U	S	S	B	B	S	U	S	S
LEFT BANK FACE (structure) BAUSC	S	B	S	U	S	B	S	U	S	S
RIGHT BANK FACE (structure) BAUSC	U	U	U	S	S	B	B	U	S	S
RIGHT BANK-TOP (structure within 1m) BAUSC	S	B	S	S	B	U	S	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	BL	BL	BL	BL	BL	BL	BL	BL

**G CHANNEL VEGETATION TYPES (to be measured at one site on a straight, uniform section, preferably across a riffle)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens		E								
Emergent broad-leaved herbs										
Emergent narrow-leaved herbs										
Flowering-leaved (rooted)										
Fine-leaved										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

SITE NO. 6105 1996 RIVER HABITAT SURVEY: 500M SWEEP-UP

**BANK AND INSIDE BANKTOP LAND USE (tick one box per bank)**

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**CHANNEL FORMS**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	L	E	Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)		E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

**I PERCENTAGE OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (2-33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Floating trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Causes muddy debris	<input type="checkbox"/>	<input type="checkbox"/>

**J TYPE OF BANKTOP VEGETATION**

Waterfall(s)	None	Percent E	Marginal deadwater	None	Percent E (2-33%)
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): CASCADE / RAP / RUN

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**K CHANNEL DIMENSIONS (to be measured at one site on a straight, uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	7.50	RIGHT BANK	
Banktop height (m)	Water width (m)	6.00	Banktop height (m)	0.50
Embanked height (m)	Water depth (m)	0.50	Embanked height (m)	

If bankline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  boulders

Location of measurement is: riffle  run or glide  other  (tick one box)

**L BANKTOP FEATURES**

None  Number of Culverts =  Weirs =  Outfalls =  Fords =   
 Footbridges =  Railways =  Other =

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**M EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? State:

**N FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Striped/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Lumpy debris  Foss  Flush

**O CROOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**P NOTABLE NUISANCE PLANT SPECIES Use U or E (> 33% bank(s)) IFE also LARGE STANDS of others**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name: Ethiodendrum fructosum

**Q MAJOR IMPACTS/ACTIVITIES (tick appropriate box(es))**

Major impacts: landfill - slippage - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - heating - mining - quarrying - sand/gravel - afforestation - fisheries management - siting - other?

Land Management: set aside - buffer strip - headland - abandoned land  other?

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - brown - dragonfly/damselfly

Other significant observations: VERY SLOPE GRADIENT EVIDENCE WHILE AREA SWEEP  
LOTS OF DEBRIS ON BANK TOP DUE TO PRESSURE OF PESTICIDE TRAFFIC

**R ALIENS (tick appropriate box(es))**

Alien? None  Present  Extensive  Damaged Alien? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary?	Navigation?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6104  
 Mid-site grid reference of network site if different from designated location:

Grid Reference River: HELTONDALE BECK

Date: 3/5/1996 Time: 14:00 Surveyor name: REVILL Accreditation code: RFV

Adverse conditions affecting survey? No  Yes  If yes, state:




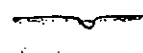

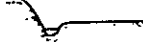
Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph general character? No  Yes  (tick one box)

and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM: (tick one box only)

 shallow vee	 concave/bowl (if U-shaped glacial valley add "U")
 deep vee	 symmetrical floodplain
 gorge	 asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS: (indicate total number)

Riffles 2 Unvegetated point bars 1

Pools 2 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEKE, WAREHAM, BH20 6BB

TALLY (use J51) for Riffles Pools Unveg side bars Veg point bars

B. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transect) \* = one entry only

Spot check 1 is upstream/downstream?	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material	BO	BO	BO	BO	BO	RR	RR	GA	EO	BO
Bank modification(s)	NO	NO	NO	NO	NO	RI	RI	NO	NO	NO
Bank feature(s)	SB	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CO	BO	BE	BO	CO	GP	CO	CU	CO	CO
Substrate shape	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type	UW	UW	RP	BW	SM	UW	UW	RP	SM	
Channel modification(s)	NO									
Channel feature(s)	RO	RU	RU	RO	RU	NO	RU	RU	NO	
RIGHT BANK TICK if functional fence										
Material	BO	BO	BE	BO	BE	CU	GS	CO	BO	EA
Bank modification(s)	NO									
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)	Land use: choose one from BE, CP, DR, MH, SC, TH, RP, IG, FL, WL, OW, SU									
LAND USE WITHIN 5m OF BANKTOP (L)	IG									
LEFT BANK TOP (structure within 1m) BUI/SC	U	U	U	U	U	B	R	S	S	S
LEFT BANK FACE (structure) BUI/SC	B	S	S	S	S	U	S	B	S	C
RIGHT BANK FACE (structure) BUI/SC	S	U	S	S	S	S	S	B	C	S
RIGHT BANK TOP (structure within 1m) BUI/SC	S	S	S	U	S	S	S	U	S	
LAND USE WITHIN 5m OF BANK TOP (R)	LP	RP	RP	RP	IG	SC	RP	RL	IG	IG
G. CHANNEL VEGETATION TYPES (10m wide transect: E (2-3% cover) or less (traceable) 500m cover) *	NONE / PLANT GENERA - list first 5									
Bryophytes/lichens										
Emerg broad-leaved herbs	MENT	PLANT	OCCAN							
Emerg reeds/sedges/rushes	JUNK									
Floating-leaved (rooted)										
Free-floating										
Amphibious	COMF									
Submerged broad-leaved										
Submerg float/linear-leaved	CALYC									
Filamentous algae										

B. LAND USE WITHIN 50m OF BANKTOP (E (2-3% banklength) or less (traceable) 500m cover)

	L	R		L	R
woodland/mixed woodland (BL)			Rough pasture (RP)		E
iniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
woodland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
reeds (SC)			Open water (OW)		
fl heath/ reed vegetation (TH)			Suburban/urban development (SU)		

C. ARTIFICIAL/MODIFIED BANKTOPS

	L	R	Artificial/modified	L	R
barrel/semi-modified			Reinforced		
ritical/endorse			Reinforced - whole bank		
vertical + toe			Reinforced - top only		
Slope (>45°)			Reinforced - toe only		
steep			Artificial two-stage		
opposite			Poached		
			Embanked		
			Set-back embankments		

D. OCCURRENCE OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)		ASSOCIATED FEATURES (tick one box per feature)	
None	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Isolated/watered	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Scam continuous	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	Causes woody debris	<input type="checkbox"/>

E. LIST OF CHANNEL FEATURES

	None	Present	E		None	Present	E (2-11%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Caecade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bow(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

cate predominant flow sequence (select up to three features): EXP. D / CLIFF / LOW

H. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	4.00	RIGHT BANK	
Banktop height (m)	Water width (m)	5.50	Banktop height (m)	0.40
Embanked height (m)	Water depth (m)	0.31	Embanked height (m)	

If threshold lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

I. ARTIFICIAL FEATURES

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = 1  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None  Dredging  Moving  Wood cutting   
 Enhancement  Other? State REINFORCEMENT (if not suggested)

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

Q. NOTABLE NUISANCE PLANT SPECIES Use D, E, F (2-3% banklength) (IF note LARGE STANDS of others eg)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

R. MAJOR IMPACTS (Circle appropriate words, add others as necessary)

Major impacts: landfill - clipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-deepening - afforestation - fisheries management - siting - other? =

Land Management: set-aside - buffer strip - hedland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: MED - GRADIENT LARGE STONY

S. ALDERS (tick appropriate box(es))

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive









1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6107  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 851211 (uv) River: LONG GLEAN  
 Date: 11/11/1996 Time: 11:30 (22) Surveyor name: DEWILLIAC Accreditation code: M-B  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (< 2 (0-10 with fence) (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (Indicate total number)**

Riffles  Unvegetated point bars 2  
 Pools  Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOLEE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use JMS) for Riffles Pools Unveg. side bars Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1st: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if fractional fence										
Material <input checked="" type="checkbox"/> WE, NO, CO, CE, EA, FE, CL, CC, SP, GP, GA, BA, RB, BY	BO	BO	BO	BO	BO	BO	BO	BO	BO	BO
Bank modification(s) <input checked="" type="checkbox"/> WE, NO, AS, AL, FC, BA, EH	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input checked="" type="checkbox"/> WY, NO, EC, SC, FR, VP, SB, VS	NU	NO	EL	NO	NO	NO	NO	NO	EL	NO
<b>CHANNEL</b> <input checked="" type="checkbox"/> NEW - substrate stage codes (m) <input type="checkbox"/> FLM (flow line, flow line, flow line, flow line, flow line, flow line, flow line, flow line, flow line, flow line)										
Channel substrate <input checked="" type="checkbox"/> WE, NO, CO, CE, EA, FE, CL, CC, SP, GP, GA, BA, RB, BY	BO	BO	BO	BO	BO	BO	BO	BO	BO	BO
Substrate shape FLOW LINE SP CU PD DE OTHER - none	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Plan type <input checked="" type="checkbox"/> FL, CH, BN, UN, CF, AP, UP, SH, AP, MO	CF	UN	CF	CF	RP	CH	CH	UN	CF	CH
Channel modification(s) <input checked="" type="checkbox"/> WE, NO, AS, AL, FC, BA, EH	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <input checked="" type="checkbox"/> WY, NO, EC, SC, FR, VP, SB, VS	RO	VB	RO	RO	RO	MO	NU	RO	RO	RO
<b>RIGHT BANK</b> TICK if fractional fence										
Material <input checked="" type="checkbox"/> WE, NO, CO, CE, EA, FE, CL, CC, SP, GP, GA, BA, RB, BY	BO	BO	BO	BO	BO	BO	BO	BO	BO	BO
Bank modification(s) <input checked="" type="checkbox"/> WE, NO, AS, AL, FC, BA, EH	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input checked="" type="checkbox"/> WY, NO, EC, SC, FR, VP, SB, VS	NU	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)</b>										
Land use: choose one from BL, CF, OR, MH, SC, TH, AP, NO, TL, WL, OV, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	MH	MH	MH	RP	RP	RP	RP	MH	RP	RP
LEFT BANK-TOP (structure within 1m) BAUSC	S	S	S	U	S	U	S	S	U	U
LEFT BANK FACE (structure) BAUSC	S	S	B	B	U	B	B	S	B	B
RIGHT BANK FACE (structure) BAUSC	U	S	B	B	U	B	U	S	B	B
RIGHT BANK-TOP (structure within 1m) BAUSC	B	S	S	U	U	S	U	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	WL	RP	RP	RP	RP	WL	RP	RP	RP	RP
<b>G CHANNEL VEGETATION TYPES (10m wide transect: E (2-3% area) or tick (present) 500m reach)</b>										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fan-linear-leaved										
Filamentous algae										

SITE NO. 6107 1996 RIVER HABITAT SURVEY: 500m SWEEP UP Page 3 of 4

**LAND USE WITHIN 5m OF BANKTOP (E (2-3% area) or tick (present) 500m reach)**

	L	R	L	R
Broadleaf/mixed woodland (BL)				
Coniferous plantation (CP)				
Orchard (OR)				
Moorland/heath (MH)	E			
Scrub (SC)				
Tall herbs' wet vegetation (TH)				
Rough pasture (RP)			E	E
Improved/well-improved grass (IO)				
Tilled land (TL)				
Wetland (eg bog, marsh, fen) (WL)				
Open water (OW)				
Suburban/urban development (SU)				

**ARTIFICIAL/MODIFIED**

	L	R	L	R
Natural/semi-nat				
Vertical/embank	L	E		
Vertical + toe				
Slope (> 45°)				
Gentle				
Composite				
Poached				
Embanked				
Set-back embankments				

**EXTENT OF TREES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

	Left	Right	None	Percent E (2-3%)
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Percent E (2-3%)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**CHANNEL CHARACTERISTICS**

	None	Percent E (2-3%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

Marginal dead-water  Exposed bedrock  Exposed boulders  Unvegetated mid-channel bar(s)  Vegetated mid-channel bar(s)  Mature island(s)  Unvegetated side bar(s)  Vegetated side bar(s)

Indicate predominant flow sequence (select up to three features):  
 RAPIDS

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK		RIGHT BANK
Banktop width (m)	10.00	
Banktop height (m)	0.75	0.50
Banktop width (m)	7.25	
Banktop height (m)		0.50
Embanked height (m)		
Water width (m)	7.25	
Water depth (m)	0.40	
Embanked height (m)		

If bankline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  banksove

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES (Circle appropriate words; tick others as necessary)**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fca  Flush

**CROCKED CHANNEL (tick one box)**

Is 33% or more of the channel crooked with vegetation? NO  YES

**NOVABLE NUISANCE PLANT SPECIES Use O or E (2-3% banktop) - IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**GOVERNANCE CHARACTERISTICS (Circle appropriate words; tick others as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-deepening - siltation - siltation management - siting - other? =

Lead Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:  
 Very active bankside stream upland river.

**ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6109  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 32294 River: EUDEN BECK  
 Date 30/1/1996 Time: 09:20 Surveyor name: DEVILLE Accreditation code: PF 8  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles  Unvegetated point bars 3  
 Pools 1 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims to  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 6

TALLY (use IFE) for: Riffles Pools Upriver side bars Vegetated point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) 1 = one entry only**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if functional fence										
Material <input checked="" type="checkbox"/> BL <input type="checkbox"/> CL <input type="checkbox"/> GL <input type="checkbox"/> PL <input type="checkbox"/> SL <input type="checkbox"/> SP <input type="checkbox"/> SS <input type="checkbox"/> SV <input type="checkbox"/> SW <input type="checkbox"/> SY	BE	BD	EA	BE	EA	BE	EA	EA	EA	EA
Bank modification(s) <input type="checkbox"/> NE <input type="checkbox"/> NO <input type="checkbox"/> NS <input type="checkbox"/> NL <input type="checkbox"/> PC <input type="checkbox"/> BN <input type="checkbox"/> EN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input type="checkbox"/> NY <input type="checkbox"/> NO <input type="checkbox"/> EC <input type="checkbox"/> SC <input type="checkbox"/> FB <input type="checkbox"/> VP <input type="checkbox"/> SB <input type="checkbox"/> VS	SC	EC	NO	EL	NO	SC	NO	NO	NO	EC
<b>CHANNEL</b> <input type="checkbox"/> NEW <input type="checkbox"/> SUBSTRATE SHAPE CODES: <input type="checkbox"/> FL <input type="checkbox"/> OV <input type="checkbox"/> EL <input type="checkbox"/> SP <input type="checkbox"/> CU <input type="checkbox"/> PO <input type="checkbox"/> IR <input type="checkbox"/> OH <input type="checkbox"/> NW <input type="checkbox"/> NW										
Channel substrate <input type="checkbox"/> NY <input type="checkbox"/> BE <input type="checkbox"/> NO <input type="checkbox"/> CO <input type="checkbox"/> GP <input type="checkbox"/> SA <input type="checkbox"/> SI <input type="checkbox"/> CL <input type="checkbox"/> PE <input type="checkbox"/> AR	CO	BO	GP	SA	CO	CO	EO	CO	CO	CO
Substrate shape <input type="checkbox"/> FL <input type="checkbox"/> OV <input type="checkbox"/> EL <input type="checkbox"/> SP <input type="checkbox"/> CU <input type="checkbox"/> PO <input type="checkbox"/> IR <input type="checkbox"/> OH <input type="checkbox"/> NW <input type="checkbox"/> NW	IR	IR	IR	IR	IR	IR	IC	IR	IR	IR
Flow type <input type="checkbox"/> FT <input type="checkbox"/> CN <input type="checkbox"/> UN <input type="checkbox"/> CV <input type="checkbox"/> CP <input type="checkbox"/> RP <input type="checkbox"/> UN <input type="checkbox"/> UN <input type="checkbox"/> UN <input type="checkbox"/> UN <input type="checkbox"/> UN <input type="checkbox"/> UN <input type="checkbox"/> UN <input type="checkbox"/> UN <input type="checkbox"/> UN <input type="checkbox"/> UN	SM	UN	RP	UN	UN	UN	UN	UN	UN	UN
Channel modification(s) <input type="checkbox"/> NE <input type="checkbox"/> NO <input type="checkbox"/> NS <input type="checkbox"/> NL <input type="checkbox"/> PC <input type="checkbox"/> BN <input type="checkbox"/> EN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <input type="checkbox"/> NY <input type="checkbox"/> NO <input type="checkbox"/> EC <input type="checkbox"/> SC <input type="checkbox"/> FB <input type="checkbox"/> VP <input type="checkbox"/> SB <input type="checkbox"/> VS	RO	RO	NO	HI	RO	MB	RO	NO	RO	NO
<b>RIGHT BANK</b> TICK if functional fence										
Material <input type="checkbox"/> NY <input type="checkbox"/> BE <input type="checkbox"/> NO <input type="checkbox"/> CO <input type="checkbox"/> GL <input type="checkbox"/> PL <input type="checkbox"/> SL <input type="checkbox"/> SP <input type="checkbox"/> SS <input type="checkbox"/> SV <input type="checkbox"/> SW <input type="checkbox"/> SY	GS	GS	EA	EA	EA	EA	GA	EA	EA	EA
Bank modification(s) <input type="checkbox"/> NE <input type="checkbox"/> NO <input type="checkbox"/> NS <input type="checkbox"/> NL <input type="checkbox"/> PC <input type="checkbox"/> BN <input type="checkbox"/> EN	NO	NO	NO	NO	NO	NO	R1	NO	NO	NO
Bank feature(s) <input type="checkbox"/> NY <input type="checkbox"/> NO <input type="checkbox"/> EC <input type="checkbox"/> SC <input type="checkbox"/> FB <input type="checkbox"/> VP <input type="checkbox"/> SB <input type="checkbox"/> VS	RO	RO	NO	HI	RO	MB	RO	NO	RO	NO

**E. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, NH, SC, TH, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK - TOP (structure within 1m) <input type="checkbox"/> BUNSC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) <input type="checkbox"/> BUNSC	U	B	S	B	S	S	S	S	S	B
RIGHT BANK FACE (structure) <input type="checkbox"/> BUNSC	S	U	B	S	U	U	U	U	U	BS
RIGHT BANK - TOP (structure within 1m) <input type="checkbox"/> BUNSC	S	S	U	S	U	U	S	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	CP	BL	BL	TH	BL	TH	SU	BL	BL	CP

**G. CHANNEL VEGETATION TYPES (tick one wide transect: E (2-11% area) or L (present) 50m transect)**

NONE  PLANT GENERA - list first 5

Bryophytes/licheens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emerg reed/sed/poa/rushes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating leaved (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerg fine/linear-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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**LAND USE WITHIN 5m OF BANKTOP (tick one box per feature)**

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Improved/unimproved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Open water (OW)		
Tall herbs/ reed vegetation (TH)			Suburban/urban development (SU)		<input checked="" type="checkbox"/>

**ARTIFICIAL FEATURES (tick one box per feature)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/woodcut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed	<input type="checkbox"/>	<input type="checkbox"/>
Vertical + toe	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input type="checkbox"/>
Slope (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Grate	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
Composite	<input type="checkbox"/>	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
			Poached	<input type="checkbox"/>	<input type="checkbox"/>
			Embarked	<input type="checkbox"/>	<input type="checkbox"/>
			Sci-back embankments	<input type="checkbox"/>	<input type="checkbox"/>

**PERCENTAGE OF TREES AND ASSOCIATED FEATURES (tick one box per feature)**

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E (> 11%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**TRIBUTORY CHANNELS AND FEATURES (tick one box per feature)**

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (> 11%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Obide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RAPID, GULCH

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	5.50	RIGHT BANK	
Banktop height (m)	Water width (m)	3.75	Banktop height (m)	0.75
Embarked height (m)	Water depth (m)	0.20	Embarked height (m)	

If tree line lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES (tick one box per feature)**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State:

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Bridled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE NUISANCE PLANT SPECIES UNDER 2% (tick one box(es))**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? Nettle Rhododendron Bracken

**GENERAL CHARACTERISTICS (circle appropriate words, tick others, add incidence %)**

Major impact: landfill  tipping  litter  sewage  pollution  drought  abstraction  mill  dam  road  rail  industry   
 housing  mining  quarrying  overstocking  afforestation  fisheries management  siting  other? =

Land Management: no aside  buffer strip  headland  abandoned land  parkland  MoD  other? =

Animals: otter  mink  water vole  bagfisher  dipper  grey wagtail  sand martin  brown  dragonflies/damselflies

Other significant observations: Small active river  
 forestry road occasionally running close to right bank have gates.  
 Old debris not yet washed some washed with logs presumably for  
 thinning by foresters.

**STANDERS (tick appropriate box(es))**

Adlers? None  Present  Extensive  Disturbed Adlers? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IPB mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/Lm) Flow category (1-10)  
 Solid geology code DriA geology code Platform category  
 Distance from source (Lm) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: C111  
 Add site grid reference of network site if differs from designated location:

Grid Reference: 208271 River: GRANULES  
 Date: 14/9/1996 Time: 14:00 Surveyor name: DEVILLE Accreditation code: PFB

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely (1) (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes (1) (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES POOLS AND POINT BARS (tick one box only)**

Rifles 1 Unvegetated point bars 0  
 Pools 4 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (see IFE for - Effects Pool) Unveg. side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel width or 10m wide transect) - one entry only**

Spot check 1 to: upstream  downstream

Spot check 1 to: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	---	----

**LEFT BANK** TICK if fractional focus

Material: EP EA EA NV CA EA EA EA EA EA EA  
 Bank modification(s): NO NO NO NC NO NO NO NO NO NO  
 Bank feature(s): VP NO SC NV SC SHO NO SC NO SC

Channel substrate: CP NV NV NV NV GP NV NV NV NV  
 Substrate shape: IR / / / / IR / / / /  
 Pool type: SM SM SM RP NP RP NP SM SM SM  
 Channel modification(s): NO NO  
 Channel feature(s): NO NO NO NO TR NO NO NO NO

**RIGHT BANK** TICK if fractional focus

Material: EA  
 Bank modification(s): NO  
 Bank feature(s): NO NO NO NO EL NO EL SL NO NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RL, CP, OR, KH, SC, TH, RP, FG, FL, VL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TL	TL	SL	SC	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) BAUSC	S								
LEFT BANK FACE (structure) BAUSC									
RIGHT BANK FACE (structure) BAUSC	S	S	S	S	B	S	B	S	S
RIGHT BANK-TOP (structure within 1m) BAUSC	S	S	S	S	S	S	B	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	SC	SC	SC	SC	SC	SC	TH	IG

**G BANKTOP VEGETATION COVER TO 10m**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens   
 Emergent broad-leaved herbs   
 Emergent reeds/sedges/rushes  Sp. No. Phrag  E  E   
 Floating-leaved (rooted)   
 Free-floating   
 Amphibious   
 Submerged broad-leaved   
 Submersive fine-leaved   
 Filamentous algae

SITE NO. 6111 1996 RIVER HABITAT SURVEY: SOIL SWEEP

**H AND I VEGETATION COVER (tick one box only)**

Broadleaf/maint woodland (BL)	L	R	Rough pasture (RP)	L	R
Coniferous plantation (CP)			Improved/maint-improved grass (IG)		<input checked="" type="checkbox"/>
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Sarab (SC)	<input checked="" type="checkbox"/>	E	Open water (OW)		
Tall herb sward/vegetation (TH)	<input checked="" type="checkbox"/>		Suburban/urban development (SU)		

**J VEGETATION COVER (tick one box only)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/wallrock	L	E	Embankment		
Vertical + toe			Reinforced - whole bank		
Steep (>4:1)		E	Reinforced - top only		
Gentle			Reinforced - base only		
Composite			Artificial two-stage		
			Punched		
			Embanked		
			Sea-track embankments		

**K PREVALENT TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)

None	Left	Right	None	Percent E (2.33%)
Isolated/wooded	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>
Scal continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>
			Coarse woody debris	<input checked="" type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

None	Percent E (2.33%)
Marginal dead-wood	<input checked="" type="checkbox"/>
Exposed bedrock	<input checked="" type="checkbox"/>
Exposed boulders	<input checked="" type="checkbox"/>
Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>
Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>
Mature island(s)	<input checked="" type="checkbox"/>
Unvegetated side bar(s)	<input checked="" type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features): GL106

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section - preferably across a riffle)**

LEFT BANK	Banktop width (m)	9.25	RIGHT BANK	
Banktop height (m)	Water width (m)	5.50	Banktop height (m)	1.00
Embanked height (m)	Water depth (m)	0.10	Embanked height (m)	

If waterline lower than banktop level in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M WATER QUALITY ATTRIBUTES (tick appropriate box(es))**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges =  
 Is water impounded by weir(s)? No  Yes, <33% of site  >33% of site

**N PREVALENT MANAGEMENT (tick appropriate box(es))**

None  Draining  Mowing  Weed-cutting   
 Enhancement  Other? State:

**O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Artificial open water  Big  Other (state)   
 Bank/side channels  Natural open water  Cur   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q NOTABLE SUBSTRATE (LARGE SPECIES GROUPS) (tick appropriate box(es))**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick appropriate box(es))

**R SPECIAL OCCURRENCES (tick appropriate box(es))**

Major impacts: bedfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - oil - industry -  
 housing - mining - quarrying - overstocking - eutrophication - siltation management - filling - other -

Lead Management: set aside - buffer strip - headland - abandoned lead - portland - MoD - other -

Animals: fish - otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly - amphibian  
 Other significant observations: SMALL amount with VERY 'HEAVY' appearance to water.  
 (REGULARLY REARRANGING)

**S ALDEB (tick appropriate box(es))**

Almond? None  Pruned  Extensive  Discard Almond? None  Pruned  Extensive

**BACKGROUND MAP BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number: 611  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_  
 Grid Reference: River: Billingham Creek  
 Date 18/6/1996 Time: 14:30 Surveyor name: JJC Accreditation code: PF43  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)  
**PREDOMINANT VALLEY FORM? (tick one box only)**  
 shallow vee  concave/bowl (If U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain  
 Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_  
**NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**  
 Rifles 6 Unvegetated point bars 1  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_  
 SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE) for: Rifles 11 Pools \_\_\_\_\_ Unveg. point bars \_\_\_\_\_ Veg. point bars \_\_\_\_\_

**PHYSICAL ATTRIBUTES (to be assessed across channel within 2m wide transects)**

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material <u>WV, NO, CO, CE, SL, PL, CL, CP, CL, NP, CL, BA, LA, VA</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NO, NO, AS, PL, CA, BA, EN</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>WV, NO, EC, SC, RP, VP, SB, VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <u>WV, BA, NO, CO, CE, SL, PL, CL, CP, CL, NP, CL, BA, LA, VA</u>	CO	CL	CO	CP	CL	NP	CL	CL	GP	NP
Substrate shape <u>F, O, V, L, S, P, U, M, D, R, O, M, N, S, W</u>	FR	NA	FR	FR	NA	NA	NA	NA	FR	NA
Flow type <u>FT, DL, SL, LW, CF, RP, UP, SM, NP, NO</u>	RP	SM	UP	SM	RP	SM	SM	SM	RP	RP
Channel modification(s) <u>NO, NO, CV, AS, PL, BA, EN</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>WV, NO, NO, BA, VA, NP, TR</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK TALLY (functional focus)**

Material <u>WV, NO, CO, CE, SL, PL, CL, CP, CL, NP, CL, BA, LA, VA</u>	EA	CL	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NO, NO, AS, PL, CA, BA, EN</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>WV, NO, EC, SC, RP, VP, SB, VS</u>	NO	SC	NO	NO	VP	NO	NO	NO	NO	NO

**P BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, NO, PL, W, OR, RP, JG, TS

LAND USE WITHIN 5m OF BANKTOP (L)	CL	SL	PL	PL	PL	PL	PL	PL	PL	PL
LEFT BANK TOP (structure within 1m) <u>BU/SIC</u>	S	U	U	U	U	U	U	U	S	U
LEFT BANK FACE (structure) <u>BU/SIC</u>	C	U	U	S	U	U	U	U	S	S
RIGHT BANK FACE (structure) <u>BU/SIC</u>	U	S	S	S	U	U	U	U	S	U
RIGHT BANK TOP (structure within 1m) <u>BU/SIC</u>	U	S	U	U	U	U	S	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	JG	PL	PL	PL	PL	PL	PL	PL	TH	TH

**CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect)**

NONE / PLANT GENERA - list first 5										
Bryophytes/Lichens										
Emerg broad-leaved herbs										
Emerg reeds/sed grasses										
Floating-leaved (rooted)										
Froo-floating										
Amphibious										
Submerged broad-leaved										
Submerg free/linear leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY - CHANNEL VEGETATION Page 3 of 4

**PERCENT OF TREES AND ASSOCIATED FEATURES**

TRUNKS (tick one box per bank)	Left	Right	None	Present E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	<input type="checkbox"/>	Present E (≥ 33%)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**PERCENT OF BANKTOP VEGETATION**

Waterfall(s)	None	Present E (≥ 33%)
Canal(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

etc predominant flow sequence (select up to three features): side arm run

1996 RIVER HABITAT SURVEY - DIMENSIONS AND ENERGIES Page 4 of 4

**CHANNEL DIMENSIONS (to be assessed at the site of a riffle or pool)**

LEFT BANK	Banktop width (m)	<u>3.5</u>	RIGHT BANK	Banktop width (m)	<u>3.5</u>
Banktop height (m)	<u>0.45</u>	Water width (m)	<u>1.5</u>	Banktop height (m)	<u>0.45</u>
Embanked height (m)	<u>0.15</u>	Water depth (m)	<u>0.15</u>	Embanked height (m)	<u>0.15</u>

If threshold lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES (to be assessed at the site of a riffle or pool)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**REVISIONS OR RECENT MANAGEMENT (to be assessed at the site of a riffle or pool)**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State: \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None	<input type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Bog	<input type="checkbox"/>	Other (state)	
Waterfalls > 5m high	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Carr	<input type="checkbox"/>		
Braided/side channels	<input checked="" type="checkbox"/>	Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>		
Debris dams	<input checked="" type="checkbox"/>	Fen	<input type="checkbox"/>	Flush	<input type="checkbox"/>		

**PACKAGED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**QUANTIFIABLE RIBBON PLANT SPECIES (to be assessed at the site of a riffle or pool)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron fraxinifolius

**REVISIONS OR RECENT MANAGEMENT (to be assessed at the site of a riffle or pool)**

Major impacts: landfill tipping - litter - sewage - pollution - drainage - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siting - other? \_\_\_\_\_

Land Management: set-back - buffer strip - bowland - abandoned land - parkland - MoD - other? \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: \_\_\_\_\_

**ALDERS (to be assessed at the site of a riffle or pool)**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFE codes for plant ecology and forcing. Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 0114  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Greater Creek  
 Date 16.10.1996 Time: 15:43 Surveyor name: JUL Accreditation code: PF43

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box only)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TERN SPOT CHECKS Page 2 of 4

TALLY (see IFE) for: 6114 Point: 1 2 3 4 5 6 7 8 9 10

**LEFT BANK ATTRIBUTES**

Spot check 1:  vegetated  unvegetated

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK ATTRIBUTES**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**BANKTOP LAND USE AND VEGETATION STRUCTURE (tick one box only)**

Land use: Choose one from BL, CL, CR, OR, MR, SC, TH, SP, NO, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	WL	WL	WL	WL	WL	WL	WL	WL	WL
LEFT BANK TOP (structure within 1m) BANKC	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BANKC	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure) BANKC	B	B	B	B	B	B	B	B	B
RIGHT BANK TOP (structure within 1m) BANKC	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	WL	WL	WL	WL	WL	WL	WL	WL	WL

**VEGETATION COMPOSITION**

NON-PLANT GENERA - list first 5	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bryophytes/lichens									
Emerg broad-leaved herbs									
Emerg reeds/sedges/rushes									
Flowering-leaved (round)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerg fine-leaved									
Filamentous algae									

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFERRENCES

**CHANGED DIMENSIONS**

LEFT BANK: Backstop width (m) 2.7 RIGHT BANK: Backstop width (m) 1.2  
 Backstop height (m) 1.2 Water width (m) 2.0 Backstop height (m) 1.2  
 Embankment height (m) 1.2 Water depth (m) 1.2 Embankment height (m) 1.2

If trapezoid lower than backstop break in slope, indicate: height (m) = 1.2 width (m) = 1.2

Bed material at site: consolidated (compact)  unconsolidated (loose)  Outcrops

Location of measurement is: riffle  pool of glide  other  (tick one box)

**CHANNEL FEATURES**

None  Number of Culverts = 0 Weirs = 0 Overfalls = 0 Fords = 0  
 Footbridges = 0 Roadbridges = 0 Other = 0

Is water impounded by weir/ford? No  Yes, < 33% of site  > 33% of site

**TYPE OF REPORT MANAGEMENT**

None  Overdigging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick one box only)**

None  Waterfalls > 3m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brushed/side channels  Natural open water  Carr   
 Debris dams  Water meadow  SALT Marsh   
 Leafy debris  Foa  Flats

**CHANNEL CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**NON-PLANT GENERA COMPOSITION WITHIN 5m OF BANKTOP (LARGE SPOTS)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Notic Rhododendron bractea

**VEGETATION COMPOSITION**

Major impacts: bedfall - slipping - litter - overtopping - pollution - drought - obstruction - soil - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - sitting - other? \_\_\_\_\_  
 Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? \_\_\_\_\_

Animals: otter - min - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonfly/damselfly \_\_\_\_\_  
 Other significant observations: Tidal site with E. Salt marsh Submarine Pinnaculo menhaden etc

Indicate predominant flow sequence (select up to three features): Glide

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFERRENCES

**CHANGED DIMENSIONS**

LEFT BANK: Backstop width (m) 2.7 RIGHT BANK: Backstop width (m) 1.2  
 Backstop height (m) 1.2 Water width (m) 2.0 Backstop height (m) 1.2  
 Embankment height (m) 1.2 Water depth (m) 1.2 Embankment height (m) 1.2

If trapezoid lower than backstop break in slope, indicate: height (m) = 1.2 width (m) = 1.2

Bed material at site: consolidated (compact)  unconsolidated (loose)  Outcrops

Location of measurement is: riffle  pool of glide  other  (tick one box)

**CHANNEL FEATURES**

None  Number of Culverts = 0 Weirs = 0 Overfalls = 0 Fords = 0  
 Footbridges = 0 Roadbridges = 0 Other = 0

Is water impounded by weir/ford? No  Yes, < 33% of site  > 33% of site

**TYPE OF REPORT MANAGEMENT**

None  Overdigging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick one box only)**

None  Waterfalls > 3m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brushed/side channels  Natural open water  Carr   
 Debris dams  Water meadow  SALT Marsh   
 Leafy debris  Foa  Flats

**CHANNEL CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**NON-PLANT GENERA COMPOSITION WITHIN 5m OF BANKTOP (LARGE SPOTS)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Notic Rhododendron bractea

**VEGETATION COMPOSITION**

Major impacts: bedfall - slipping - litter - overtopping - pollution - drought - obstruction - soil - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - sitting - other? \_\_\_\_\_  
 Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? \_\_\_\_\_

Animals: otter - min - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonfly/damselfly \_\_\_\_\_  
 Other significant observations: Tidal site with E. Salt marsh Submarine Pinnaculo menhaden etc

Indicate predominant flow sequence (select up to three features): Glide



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary Navigation? *NU*  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: *6121*  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: *46* River: *LYVENNET BECK*  
 Date: *12/6/1996* Time: *16:15* Surveyor name: *DUNCAN* Accreditation code: *PF27*

Adverse conditions affecting survey? No  Yes  If yes, state:

Bod of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box only)**

Rifles *7* Unvegetated point bars   
 Pools *1* Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARRAM, 8110 688

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 4

FALLS (use DPs for Riffles) *1* Pools *1* Unveg side bars *1* Veg point bars *1*

**PHYSICAL ATTRIBUTES (to be assessed across channel width at 1m wide transects)**

Spot check	1	2	3	4	5	6	7	8	9	10
Material <i>W,AL,MO,CO,CS,JA,PE,CL,CC,SP,WF,GA,AR,RR,BW</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>W,MO,AS,RI,PC,AN,EN</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <i>W,MO,EC,SC,PR,VP,SB,VS</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <i>W,AL,MO,CO,CS,JA,PE,CL,CC,SP,WF,GA,AR,RR,BW</i>	CO	CO	CO	GP	CO	CO	CO	CO	CO	CO
Substrate shape <i>FL,OV,EL,SP,CU,PO,DL,Other</i>	IR	IR	OV	IP	TR	TR	TR	TR	TR	TR
Flow type <i>FF,CH,SP,UV,CF,EP,UP,SM,RP,NO</i>	SM	SM	SM	SM	RP	SM	UW	SM	RP	SM
Channel modification(s) <i>W,MO,CV,AS,RI,DA,PO</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <i>W,MO,RO,AR,VB,MT,TR</i>	NO	VB	NO	NO	RO	NO	NO	NO	NO	NO

**RIGHT BANK (TICK IF functional Genus)**

Material <i>W,AL,MO,CO,CS,JA,PE,CL,CC,SP,WF,GA,AR,RR,BW</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>W,MO,AS,RI,PC,AN,EN</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <i>W,MO,EC,SC,PR,VP,SB,VS</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RANKTOP, LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from *BL, CP, OR, MH, SC, TR, RP, IG, FL, WL, OW, SU*

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) <i>BL/USC</i>	U	S	S	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <i>BL/USC</i>	B	U	U	B	U	U	U	U	U	U
RIGHT BANK FACE (structure) <i>BL/USC</i>	B	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) <i>BL/USC</i>	S	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

**VEGETATION GENERA (tick one box only)**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichen										
Emerg broad-leaved herbs <i>Sparganium, Najas, etc</i>										
Emerg roots/beds/rushes <i>Lythrum, etc</i>										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved <i>Elodea, etc</i>										
Submerged fine-leaved										
Filamentous algae										

SITE NO. *6121*

**LAND USE WITHIN CHANNELS AND BANKS (tick one box only)**

	L	R		L	R
Broadleaf/mixed woodland (BL)					
Coniferous plantation (CP)					
Orchard (OK)					
Meadow/heath (MH)					
Scrub (SC)					
Tall herb/maest vegetation (TR)					
Rough pasture (RP)					
Improved/semi-improved grass (IG)					
Tilled land (TL)					
Wetland (eg bog, marsh, fen) (WL)					
Open water (OW)					
Suburban/urban development (SU)					

**NATURAL/MODIFIED (tick one box only)**

	L	R		L	R
Vertical/undercut					
Vertical + toe					
Steep (>45°)					
Gentle					
Composite					
Artificially modified					
Reinforced - whole bank					
Reinforced - toe only					
Reinforced - toe only					
Artificial two-stage					
Poached					
Embanked					
Set-back embankments					

**THRESH (tick one box per bank)**

None	Left	Right	Shading of channel	None	Percent E (≥ 33%)
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed buttressed roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

**ASSOCIATED FEATURES (tick one box per feature)**

None	Percent E (≥ 33%)	None	Percent B (≥ 33%)
Exposed bedrock		Exposed bedrock	
Exposed boulders		Exposed boulders	
Unvegetated mid channel bar(s)		Unvegetated mid channel bar(s)	
Vegetated mid channel bar(s)		Vegetated mid channel bar(s)	
Mature island(s)		Mature island(s)	
Unvegetated side bar(s)		Unvegetated side bar(s)	
Vegetated side bar(s)		Vegetated side bar(s)	

**WATERFALLS (tick one box per bank)**

None	Percent E (≥ 33%)	None	Percent B (≥ 33%)
Waterfall(s)		Waterfall(s)	
Chimney(s)		Chimney(s)	
Rapid(s)		Rapid(s)	
Riffle(s)		Riffle(s)	
Ram(s)		Ram(s)	
Boil(s)		Boil(s)	
Slide(s)		Slide(s)	
Pool(s)		Pool(s)	

Indicate predominant flow sequence (select up to three features): *Slide - riffle*

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLOWENCES

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<i>9.7</i>	RIGHT BANK	Banktop width (m)	<i>10.0</i>
Banktop height (m)	<i>0.2</i>	Water width (m)	<i>9.5</i>	Banktop height (m)	<i>1.0</i>
Embanked height (m)		Water depth (m)	<i>0.15</i>	Embanked height (m)	

If threshold lower than banktop break in slope, indicate: height (m) = / width (m) = /

Bed material of site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**NATURAL FEATURES**

None  Number of Culverts = *0* Weirs = *1* Outfalls = *0* Fords = *3*  
 Footbridges = *1* Roadbridges = *0* Other = *0*  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**VEGETATION OF BANKS AND CHANNEL**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? State: /

**CREATION OF SPECIAL FEATURES**

None  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foa  Flush

**CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**OTHER FEATURES**

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name: *Rhododendron bracteatum*

**OTHER FEATURES**

Major impacts: headfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - agriculture - housing - mining - quarrying - overdeepening - afforestation - fisheries management - siltation  /

Land Management: set-aside - buffer strip - headland - abandoned land - partland - MoD - other? = *Grass & small plants*

Animals: otter - mink - water vole - kingfisher - dipper - *grey wagtail* - sand martin - heron - dragonfly/damselfly

Other significant observations: *River bed is covered with the mat of algae & moss. 2 of the riffles have algae to have not been used for nesting.*

ALTERS: None  Present  Extensive  Discarded Alters: None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6127

Mid-site grid reference of network site if different from designated location:

Grid Reference: 787119

River: BELAH

Date 2.1.5.1996 Time 2.20pm Surveyor name DEVALLE Accreditation code P.F.8

Adverse conditions affecting survey? No  Yes  If yes, state

Bed of river visible? No  partially  entirely  (tick one box)

(If single photograph: general character? No  Yes  (tick one box)

and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 4 Unvegetated point bars 1

Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

TALLY (one IFH) for Riffles Pools Unveg. side bars Veg point bars

B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only

Spot check 1 is upstream/downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK	TICK if functional feature									
Material	EA	EA	EA	EA	EA	CO	EA	EA	EA	CO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	VB	SC	NO	NO	EC	NO
CHANNEL	NEW - substrate shape codes									
Channel substrate	NV	NV	NV	GP	NV	GP	NV	BE	GP	NV
Substrate shape	FL	OV	EL	SP	CU	FO	TR	OHV	OHV	OHV
Flow type	JW	JW	RP	JW	RP	JW	RP	JW	JW	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, DR, MH, SC, TH, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	BL	IG	IG	BL	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m)	S	S	U	S	S	S	S	U	U
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	B	U
RIGHT BANK FACE (structure)	B	B	B	B	S	S	B	B	B
RIGHT BANK-TOP (structure within 1m)	U	S	U	S	U	S	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	RP	IG	IG	IG	IG

G. CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or S (structure) 50m wide transect)

NONE / PLANT GENERA - list first 5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/lichens									
Emerg broad-leaved herbs									
Emerg reeds/kodges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerg free/linear-leaved									
Filamentous algae									<input checked="" type="checkbox"/>

H. LAND USE WITHIN 50m OF BANKTOP (E (≥ 33% banklength) or S (structure) 200m wide transect)

	L	R		L	R
Woodland/mixed woodland (BL)			Rough pasture (RP)		
Uniform plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tiled land (TL)		
Wetland/bog (MH)			Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)			Open water (OW)		
Suburban/urban development (SU)			Suburban/urban development (SU)		

I. BANKTOPS AND BANK CHARACTERISTICS

Artificial/modified	L	R	Artificial/modified	L	R
Reconciled			Reconciled		
Reinforced - whole bank			Reinforced - whole bank		
Reinforced - top only			Reinforced - top only		
Reinforced - toe only			Reinforced - toe only		
Artificial two-stage			Artificial two-stage		
Poached			Poached		
Embanked			Embanked		
Sci-back embankments			Sci-back embankments		

J. PREVALENT OF TREES AND ASSOCIATED FEATURES

TRICES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scal-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

K. SPECIAL INTEREST FEATURES

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (≥ 33%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Manure island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RIFFLE / RUN

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	1.50	RIGHT BANK	Banktop width (m)	1.00
Banktop height (m)	Water width (m)	15.00	Banktop height (m)	Water width (m)	15.00
Embanked height (m)	Water depth (m)	0.25	Embanked height (m)	Water depth (m)	0.25

If threshold lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

M. ARTIFICIAL FEATURES

None  Number of Culverts = Weirs = Outfalls =  
 Footbridges = Roadbridges = Other =  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None  Dredging  Moving  Wood-cutting   
 Enhancement  Other? State SEE SECOND PHOTO

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None	<input checked="" type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Bog	<input type="checkbox"/>	Other (state)
Waterfalls > 5m high	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Carr	<input type="checkbox"/>	
Bruid/side channels	<input type="checkbox"/>	Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>	
Debris dams	<input type="checkbox"/>	Fen	<input type="checkbox"/>	Flush	<input type="checkbox"/>	

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

Q. NOTABLE NUISANCE PLANT SPECIES Use O or E (≥ 33% banklength) IFE note LABOR STANDS of other eg

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

R. RIVER CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Last Management: wet-aside - buffer strip - bedland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: PEATY COLOURED WATER IN FAST FLOWING RIVER

S. ALDERS (tick appropriate box(es))

Alders? None  Present  Extensive  Disused Alders? None  Present  Extensive

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? NO  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B FIELD SURVEY DETAILS**

Reference network site number: 6125  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: \_\_\_\_\_ River: ELLER BECK  
 Date 12.16.1996 Time: 12:02 Surveyor name JUNJUN Accreditation code: PF27

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D NUMBER OF RIFLES, POOLS AND POINT BARS**

Rifles 10 Unvegetated point bars 0  
 Pools 3 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY THE SPOT CHECKS Page 2 of 2

TALE (use IFE for riffles) \_\_\_\_\_ Pools \_\_\_\_\_ Unveg. side bars \_\_\_\_\_ Veg point bars \_\_\_\_\_

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide transect) = 100% only**

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Channel substrate: <u>MY,BE,NO,CO,CE,EA,PE,CL,CC,SP,PP,CA,BA,BA,BA</u>	PR	CO	EA	BD	BE	BE	BD	BD	EA	EA
Bank modification(s): <u>ME,NO,AS,RI,PC,BA,EM</u>	RI	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s): <u>WV,NO,EC,SC,PP,SP,VS</u>	NO	NO	NO	EB	EB	NO	NO	NO	NO	NO
Channel substrate: <u>MY,BE,NO,CO,CE,EA,PE,CL,CC,SP,PP,CA,BA,BA,BA</u>	CO	CO	NO	BD	BD	BE	BD	BD	BD	BD
Substrate shape: <u>FL,OV,EL,SP,CU,PO,DR,Other=none</u>	OV	OV	CU	FL	IR	IR	NA	FL	IR	IR
Flow type: <u>FF,CH,EM,UN,CF,RP,UP,SM,RP,NO</u>	SM	WR	RP	WR	RP	RP	RP	RP	WR	RP
Channel modification(s): <u>ME,NO,CY,AS,RI,EM,FO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s): <u>WV,NO,AS,RI,EM,FO</u>	NO	RO	RO	RO	RO	NO	RO	RO	RO	PC
<b>RIGHT BANK - TICKS (functional ticks)</b>										
Material: <u>MY,BE,NO,CO,CE,EA,PE,CL,CC,SP,PP,CA,BA,BA,BA</u>	EA	CO	EA	EA	BD	BE	BE	ED	BE	EA
Bank modification(s): <u>ME,NO,AS,RI,PC,BA,EM</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s): <u>WV,NO,EC,SC,PP,SP,VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, DR, MH, SC, TH, RP, NG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m) BAUSC	U	U	U	U	S	S	S	S	S	S
LEFT BANK FACE (structure) BAUSC	B	B	B	B	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BAUSC	S	U	S	U	S	S	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	IG	BL	TE	BL	BL	FL	IG	IG	IG

**G CHANNEL VEGETATION TYPES (tick one box)**

NONE / PLANT GENERA - list first 5  MY

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/leaved										
Filamentous algae										

SITE NO. 6125

**LAND USE WITHIN 50M OF BANKTOP (L)**

Broadleaf/mixed woodland (BL)										
Coniferous plantation (CP)										
Orchard (OR)										
Moorland/heath (MH)										
Scrub (SC)										
Tall herb/semi-vegetation (TH)										
Rough pasture (RP)										
Improved/semi-improved grass (IG)										
Tilled land (TL)										
Wetland (eg bog, marsh, fen) (WL)										
Open water (OW)										
Suburban/urban development (SU)										

**LAND USE WITHIN 50M OF BANKTOP (R)**

Broadleaf/mixed woodland (BL)										
Coniferous plantation (CP)										
Orchard (OR)										
Moorland/heath (MH)										
Scrub (SC)										
Tall herb/semi-vegetation (TH)										
Rough pasture (RP)										
Improved/semi-improved grass (IG)										
Tilled land (TL)										
Wetland (eg bog, marsh, fen) (WL)										
Open water (OW)										
Suburban/urban development (SU)										

**NATURAL/EMERGED BED**

Natural/emerged bed	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**TREES (tick one box per bank)**

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None	Present E (>11%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapidly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clump	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	None	Present E (>11%)
Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mature ulmus(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature ulmus(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Riffles > Gills

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 3 of 4

**LAND USE WITHIN 50M OF BANKTOP (L)**

Banktop width (m)	<u>5.0</u>	RIGHT BANK			
Banktop height (m)	<u>0.2</u>	Water width (m)	<u>4.5</u>	Banktop height (m)	<u>0.2</u>
Embanked height (m)	<u>0.1</u>	Water depth (m)	<u>0.1</u>	Embanked height (m)	<u>0.1</u>

If embankment lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CAUTIONARY FEATURES (tick one box)**

None  Number of Culverts = 0 Weirs = 0 Overfalls = 0 Fords = 0  
 Footbridges = 0 Roadbridges = 0 Other = 1

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RIVER MANAGEMENT (tick one box)**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? Static

**CHARACTERISTICS OF SPECIAL RIVER TYPES (tick one box)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Strided/side channel  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**UNDESIRABLE RIVER PLANTS (tick one box)**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? Nettle Rhododendron bractea

**GENERAL RIVER ATTRIBUTES (tick one box)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: A...

**SPECIALS (tick appropriate box(es))**

Allen's None  Present  Extensive  Discarded Allen's None  Present  Extensive

**BACKGROUND INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number: 617  
 Mid-tide grid reference of network site if different from designated location: \_\_\_\_\_  
 Grid Reference: \_\_\_\_\_ River: Cocker Creek  
 Date 19/6/1996 Time: 12.00 Surveyor name: JSL Accreditation code: PCA  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

rimms  Unvegetated point bars   
 pools  Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and captures return TO  
 DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRERAM, 3610 688

**RIVER SURVEY DIMENSIONS AND ENGINEERING**

Form 1111 Using side bars \_\_\_\_\_

**GENERAL ATTRIBUTES**

Spot check 1 is: upstream  downstream

Material	GA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape	FL	NA	NA	NA	NA	NA	NA	NA	NA	NA
Form type	IT	ON	ON	ON	ON	ON	ON	ON	ON	ON
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE AND VEGETATION STRUCTURE**

Land use: choose one from EL, CP, OK, NP, SC, TH, RP, NO, FL, RL, OR, TU

LAND USE WITHIN 50m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) BANKS	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	S	S	U	S	U	B	B	B	U	U
RIGHT BANK FACE (structure)	S	U	U	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BANKS	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 50m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

**VEGETATION**

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens		✓								
Emergent broad-leaved herbs		✓								
Emergent needle-leaved herbs										
Flowering-leaved (noted)										
Free-flowering										
Amphibious										
Semiterrestrial broad-leaved										
Semiterrestrial needle-leaved										
Filamentous algae			✓		✓	✓	✓	✓	✓	✓

**RIVER SURVEY CHANNEL MANAGEMENT**

**CHANNEL MANAGEMENT**

None	L	R	Artificial/modified	L	R
cut/undercut			Reinforced		
cut + toe (>45°)			Reinforced - whole bank		
Grass			Reinforced - top only		
soils			Reinforced - toe only		
			Artificial two-stage		
			Polished		
			Embedded		
			Set back embankments		

**TRUSS (tick one box per bank)**

None	Left	Right
Isolated/clustered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Percent	None	Percent
Shading of channel	<input type="checkbox"/>	Protrusion	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>
Course woody debris	<input type="checkbox"/>		

**CHANNEL CHARACTERISTICS**

Waterfall(s)	None	Percent	None	Percent
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Major debris	<input type="checkbox"/>
Caused(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>
Ran(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Island(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

predominant flow sequence (select up to three features): Pool Bar

**RIVER SURVEY CHANNEL MANAGEMENT**

**CHANNEL DIMENSIONS**

LEFT BANK: Banktop width (m) 8.90 RIGHT BANK: \_\_\_\_\_  
 Banktop height (m) 0.7 Water width (m) 1.0 Banktop height (m) 0.7  
 Embankment height (m) \_\_\_\_\_ Water depth (m) 0.05 Embankment height (m) \_\_\_\_\_

If embankment lower than banktop height in slope, indicate slope (m) \_\_\_\_\_ width (m) \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL MANAGEMENT**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Overfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**CHANNEL MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**CHANNEL MANAGEMENT**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Lushy debris  Pea  Flush

**CHANNEL MANAGEMENT**

Is 33% or more of the channel choked with vegetation? NO  YES

**CHANNEL MANAGEMENT**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**CHANNEL MANAGEMENT**

Major impacts: erosion, siltation, bank scouring, pollution, drought, obstruction, mill, dam, road, rail, industry, housing, estate, quarrying, overland, afforestation, fisheries management, other: \_\_\_\_\_  
 Land Management: set aside, buffer strip, lowland, abandoned land, parkland, MoD, other: \_\_\_\_\_  
 Animals: otter, eel, water vole, kingfisher, dipper, grey heron, mallard, heron, dragonfly/damselfly, etc.  
 Other significant observations: Semi-dry stream, woody debris, small cross of an canopy, some pools, vegetation

**CHANNEL MANAGEMENT**

Abandon? None  Present  Extensive  Discard Address? None  Present  Extensive



**1996 RIVER HABITAT SURVEY WITH IFE MODS FOR PLANT GENERA AND CANALS** Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary?  Navigation?   
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6128  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: \_\_\_\_\_ River: Cochran Creek  
 Date: 12/6/1996 Time: 12:56 Surveyor name: JJL Accreditation code: PF43

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles: \_\_\_\_\_ Unvegetated point bars: \_\_\_\_\_  
 Pools: \_\_\_\_\_ Vegetated point bars: \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARRAM, 8110 688

**1996 RIVER HABITAT SURVEY WITH SPOT CHECKS** Page 2 of 4

TALLY (see IFE) for: Rifles Pools Unveg. side bars Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel width 2m wide transect)**

Spot check 1: upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material <input type="checkbox"/> AL <input type="checkbox"/> CL <input type="checkbox"/> GA <input type="checkbox"/> FL <input type="checkbox"/> GL <input type="checkbox"/> GR <input type="checkbox"/> M <input type="checkbox"/> PL <input type="checkbox"/> SL <input type="checkbox"/> SP <input type="checkbox"/> S <input type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> Y <input type="checkbox"/> Z	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank erosion (100cm)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL DIMENSIONS (to be assessed across channel width 2m wide transect)**

Channel substrate	CO	SA	SE	CL	CC	CL	CC	GP	CL
Substrate shape	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type	RP	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK: L. TICE if functional point bar**

Material <input type="checkbox"/> AL <input type="checkbox"/> CL <input type="checkbox"/> GA <input type="checkbox"/> FL <input type="checkbox"/> GL <input type="checkbox"/> GR <input type="checkbox"/> M <input type="checkbox"/> PL <input type="checkbox"/> SL <input type="checkbox"/> SP <input type="checkbox"/> S <input type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> Y <input type="checkbox"/> Z	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**P. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CL, OL, ML, SL, TL, PL, GL, FL, DL, PL, DL, PL

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (STRUCTURE WITHIN 1m) BANKS	S	U	S	S	S	S	S	S	S
LEFT BANK FACE (STRUCTURE) BANKS	S	U	S	U	S	U	S	U	S
RIGHT BANK FACE (STRUCTURE) BANKS	S	U	S	U	S	U	S	U	S
RIGHT BANK-TOP (STRUCTURE WITHIN 1m) BANKS	S	U	S	U	S	U	S	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL

**Q. CHANNEL VEGETATION ATTRIBUTES (to be assessed over a 10m wide transect)**

NONE	PLANT GENERA - list first 5								
Bryophytes/lichens									
Emergent broad-leaved herbs									
Emergent reeds/sedges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerged fine-leaved									
Filamentous algae									

**1996 RIVER HABITAT SURVEY WITH SPOT CHECKS** Page 3 of 4

**R. CHANNEL DIMENSIONS (to be assessed across channel width 2m wide transect)**

LEFT BANK	Banktop width (m)	2.4	RIGHT BANK	Banktop width (m)	1.0
Banktop height (m)	0.0	Water width (m)	7.0	Banktop height (m)	1.0
Embedded height (m)	0.0	Water depth (m)	0.15	Embedded height (m)	0.0

If gradient lower than banktop break in slope, indicate: height (m) \_\_\_\_\_ width (m) \_\_\_\_\_

Bed material at site is: consolidated (compact)  consolidated (loose)  unknown   
 Location of measurement is: riffle  no or of slide  other  (tick one box)

**S. CHANNEL VEGETATION ATTRIBUTES (to be assessed over a 10m wide transect)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Obstacles = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <31% of site  >31% of site

**T. PRESENCE OF RECORD MANAGEMENT (to be assessed over a 10m wide transect)**

None  Dredging  Moving  Weir-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**U. FEATURES OF SPECIAL INTEREST (to be assessed over a 10m wide transect)**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Graded/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fern  Flomb

**V. CHANNEL CHOKED (to be assessed over a 10m wide transect)**

Is 31% or more of the channel choked with vegetation? NO  YES

**W. CHANNEL VEGETATION ATTRIBUTES (to be assessed over a 10m wide transect)**

None  Great Hagweed  Himalayan Balsam  Japanese Knotweed  Other?  Rhododendron fructus

**X. CHANNEL VEGETATION ATTRIBUTES (to be assessed over a 10m wide transect)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fabrica management - mining - other? \_\_\_\_\_  
 Land Management: set-back - buffer strip - bankline - abandoned land - partition - MoD - other? \_\_\_\_\_  
 Animals: otter - eel - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly - other? \_\_\_\_\_  
 Other significant observations: \_\_\_\_\_

**Y. CHANNEL VEGETATION ATTRIBUTES (to be assessed over a 10m wide transect)**

None  Present  Extensive  Dispersed Absent  None  Present  Extensive

**1996 RIVER HABITAT SURVEY WITH SPOT CHECKS** Page 4 of 4

**Z. CHANNEL VEGETATION ATTRIBUTES (to be assessed over a 10m wide transect)**

Waterfall(s)	None	Present	S	Marginal dike/overbank	None	Present	S
Channel(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankcut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankline	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Channel(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Gravel




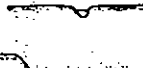
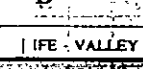
**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number: 6130  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_  
 Grid Reference: \_\_\_\_\_ River: Skilton Creek  
 Date 18/6/1996 Time: 11.21 Surveyor name: JM Accreditation code: PF02  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee   concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee   symmetrical floodplain  
 gorge   asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY WITH SPOT CHECKS**

TALLY (see IFR) for - Rifles Pools Unveg. side bars Veg point bars

**PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transect)**

Spot check 1 m: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material <u>NA, NA, NA, NA, NA, NA, NA, NA, NA, NA</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NA, NA, NA, NA, NA, NA, NA, NA, NA, NA</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>NA, NA, NA, NA, NA, NA, NA, NA, NA, NA</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <u>NA, NA, NA, NA, NA, NA, NA, NA, NA, NA</u>	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Substrate shape <u>NA, NA, NA, NA, NA, NA, NA, NA, NA, NA</u>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type <u>FF, FF, FF, FF, FF, FF, FF, FF, FF, FF</u>	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Channel modification(s) <u>NA, NA, NA, NA, NA, NA, NA, NA, NA, NA</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>NA, NA, NA, NA, NA, NA, NA, NA, NA, NA</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK - TICK IF FUNCTIONAL GENUS**

Material <u>NA, NA, NA, NA, NA, NA, NA, NA, NA, NA</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NA, NA, NA, NA, NA, NA, NA, NA, NA, NA</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>NA, NA, NA, NA, NA, NA, NA, NA, NA, NA</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, RG, FL, SL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	MH	MH	MA	JG	SL	CP	TH	CP	RP
LEFT BANK-TOP (structure within 1m) <u>BAUSC</u>	U	U	S	U	S	U	U	U	U
LEFT BANK FACE (structure) <u>BAUSC</u>	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) <u>BAUSC</u>	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) <u>BAUSC</u>	S	U	U	S	U	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SL	MH	MA	SL	SL	MH	MA	SL	MH

**G. CHANNEL VEGETATION (tick one box only)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

TE NO: 6130 **1996 RIVER HABITAT SURVEY - POOLS AND POINT BARS**

**LAND USE WITHIN 5m OF BANKTOP (L)**

Artificial/modified woodland (AL)										
Artificial/modified grass (AG)										
Artificial/modified rough pasture (AP)										
Artificial/modified improved/well-improved grass (IG)										
Artificial/modified tiled roof (TL)										
Artificial/modified woodland (AL)										
Artificial/modified open water (OW)										
Artificial/modified herbs/road vegetation (RH)										
Artificial/modified suburban/urban development (SU)										

**LAND USE WITHIN 5m OF BANKTOP (R)**

Artificial/modified										
Artificial/modified Resectioned										
Artificial/modified Reinforced - whole bank										
Artificial/modified Reinforced - top only										
Artificial/modified Reinforced - toe only										
Artificial/modified Artificial two-stage										
Artificial/modified Pooched										
Artificial/modified Embanked										
Artificial/modified Set-back embankments										

**STATEMENT OF TREE AND ASSOCIATED FEATURES**

TREES (tick one box per bank)

None	Left	Right	Associated Features	None	Present E (≥ 33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

Waterfall(s)	None	Present E (≥ 33%)	Marginal ditch/weir	None	Present E (≥ 33%)
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ran(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

date predominant flow sequence (select up to three features): Gravel Run

**1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES**

**CHANNEL DIMENSIONS (to be measured at one site on a straight section of channel, preferably in a riffle)**

LEFT BANK	Banktop width (m)	<u>0.10</u>	RIGHT BANK	Banktop width (m)	<u>0.10</u>
Banktop height (m)	<u>0.15</u>	Water width (m)	<u>0.30</u>	Banktop height (m)	<u>0.25</u>
Embanked height (m)	<u>0.25</u>	Water depth (m)	<u>0.15</u>	Embanked height (m)	<u>0.25</u>

If trachea lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  nonconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES (indicate total number of each type within 10m)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF RIVER MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**PERMANENT CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE BANKSIDE PLANT SPECIES (tick one box)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle, Rhododendron, Fraxinus

**MAJOR IMPACTS (tick one box)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill dam - road - rail industry - housing - mining - quarrying - over-spooning - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: other - mink - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonflies/damselflies

Other significant observations: ant section stream and through marsh area dominated by vegetation - main energy to become more of a stream

**ALTERS? (tick one box)**

Alters? None  Present  Extensive  Discussed Alters? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IP3 mods for plant genera and forcing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6132  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 769176 River: Ruxby Beck  
 Date (Y.Y./M./D.): 11/6/1996 Time: 09:30 Surveyor name: DEVLLE Accreditation code: PFR  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box only)**

Riffles 19 Unvegetated point bars 3  
 Pools 12 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses, please TO  
 P. R. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAKELAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE) for: Riffles Pools Unveg. side bars Veg point bars

**G. PHYSICAL ATTRIBUTES (to be assessed across channel, width 1m wide (transverse) - one entry only)**

Spot check 1 is: upstream  downstream

**LEFT BANK: TICK IF functional feature**

Material	GA	CO	EA	ER	GA	EA	ER	EA	CO	A
Bank modification(s)	NO									
Bank feature(s)	NO	SC	NO	EC	NO	EC	SB	NO	NO	NO

**Channel substrate** GA CO EA ER GA EA ER EA CO A  
**Substrate shape** IR IR IR IR IR IR IR IR IR IR IR  
**Flow type** NP UN UN UN UN UN UN UN UN UN UN UN

**RIGHT BANK: TICK IF functional feature**

Material	GA	CO	EA	ER	GA	EA	ER	EA	CO	A
Bank modification(s)	NO									
Bank feature(s)	NO	NO	RO	RO	NO	NO	NO	NO	RO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, O, OL, NK, SC, TN, RP, RL, KL, WL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m) BANC	S	S	S	S	S	C	TU	S	S	S
LEFT BANK FACE (structure) BANC	S	S	S	B	S	B	S	S	S	S
RIGHT BANK FACE (structure) BANC	S	S	S	S	S	S	C	S	S	S
RIGHT BANK TOP (structure within 1m) BANC	S	S	C	B	S	S	C	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	TH	BL

**G. BANKTOP VEGETATION COVER (tick one box only)**

NONE / PLANT GENERA - list first 5	✓									
Bryophytes/lichens		✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg broad-leaved herbs										
Emerg reeds/edges/reeds										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg float-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY: SOIL SWEEP

SITE NO. 6132

**LEFT BANK**

	L	R		L	R
Strawbed/bedded woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/seed-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MR)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)	✓	✓	Suburban/urban development (SU)		

**RIGHT BANK**

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/vertical	✓	✓	Embankment		
Vertical + toe			Reinforced - whole bank		
Steep (>43°)	E	E	Reinforced - top only		
Geotic			Reinforced - toe only		
Composite			Artificial two-stage		
			Precast		
			Embankment		
			Set back embankments		

**VEGETATION OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2.5%)
None			Shading of channel		
Isolated/clustered			Overhanging branches		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Scrub-coniferous	✓	✓	Fallen trees		
Coniferous	✓	✓	Coarse woody debris		

**ASSOCIATED FEATURES**

	None	Present E (2.5%)
Marginal deadwater		
Exposed bedrock		
Exposed boulders		
Unvegetated mid-channel bar(s)		
Vegetated mid-channel bar(s)		
Mature island(s)		
Unvegetated side bar(s)		
Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): RIFFLE / POOL

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be assessed across channel, width 1m wide (transverse) - one entry only)**

LEFT BANK	Banktop width (m)	4.75	RIGHT BANK	Banktop width (m)	4.75
Banktop height (m)	0.40	Water width (m)	4.25	Banktop height (m)	0.75
Embankment height (m)	0.10	Water depth (m)	0.10	Embankment height (m)	0.10

If embankment lower than banktop level in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**MAJOR OBSTACLES**

None  Number of Obstructions = 1 Weirs = 0 Outfalls = 0 Fords = 1  
 Footbridges = 1  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other / State

**SUBSTRATES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Artificial open water  Bag  Other (state) \_\_\_\_\_  
 Bricks/tide channels  Natural open water  Cart   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fun  Flank

**CHOICED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**DIAGNOSIS OF CHANNEL CHARACTERISTICS (tick appropriate box(es))**

None  Great Hayward  Himalayan Balsam  Japanese Knotweed  Other / Native Rhododendron bracken

**DIAGNOSIS OF CHANNEL CHARACTERISTICS (tick appropriate box(es))**

Major impacts: bedload - sipping - later - average - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other = \_\_\_\_\_  
 Land Management: set-back - buffer strip - bedload - abandoned land - partition - MoD - other = \_\_\_\_\_  
 Animals: FISH - otter - mink - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonflies/damselflies  
 Other significant observations: SMALL GULLS LUNNING THROUGH MIXED WOODLAND.

**DIAGNOSIS (tick appropriate box(es))**

Alters? None  Present  Extensive  Disturbed Alters? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6133

Mid-site grid reference of network site if differs from designated location:

Grid Reference: 810111 River: EAST ROW BECK

Date 13/6/1996 Time: 14.00 Surveyor name DEVILLE Accreditation code: PFR

Adverse conditions affecting survey? No  Yes  If yes, state

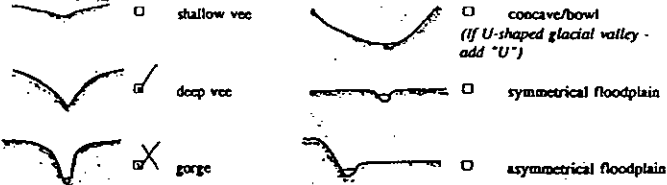
Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)

(duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 12- Unvegetated point bars 3

Pools 14 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

TALLY (see Bf) for - Riffles Pools Unveg. side bars Veg point bars

B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only

Spot check 1 is: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK: TICK if functional fence										
Material <input checked="" type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> L <input type="checkbox"/> J <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/> G <input type="checkbox"/> A <input type="checkbox"/> R <input type="checkbox"/> B <input type="checkbox"/> W	EA									
Bank modification(s) <input checked="" type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> L <input type="checkbox"/> J <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/> G <input type="checkbox"/> A <input type="checkbox"/> R <input type="checkbox"/> B <input type="checkbox"/> W	NO									
Bank feature(s) <input checked="" type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> L <input type="checkbox"/> J <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/> G <input type="checkbox"/> A <input type="checkbox"/> R <input type="checkbox"/> B <input type="checkbox"/> W	NO									

Channel substrate <input checked="" type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> L <input type="checkbox"/> J <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/> G <input type="checkbox"/> A <input type="checkbox"/> R <input type="checkbox"/> B <input type="checkbox"/> W	GP	CO	GP	GP	CO	GP	CO	GP	GP	GP
Substrate shape <input checked="" type="checkbox"/> F <input type="checkbox"/> O <input type="checkbox"/> D <input type="checkbox"/> S <input type="checkbox"/> C <input type="checkbox"/> U <input type="checkbox"/> P <input type="checkbox"/> O <input type="checkbox"/> L <input type="checkbox"/> O <input type="checkbox"/> Others - note	IR									
Flow type <input checked="" type="checkbox"/> F <input type="checkbox"/> O <input type="checkbox"/> D <input type="checkbox"/> S <input type="checkbox"/> C <input type="checkbox"/> U <input type="checkbox"/> P <input type="checkbox"/> O <input type="checkbox"/> L <input type="checkbox"/> O <input type="checkbox"/> Others - note	RP									
Channel modification(s) <input checked="" type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> L <input type="checkbox"/> J <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/> G <input type="checkbox"/> A <input type="checkbox"/> R <input type="checkbox"/> B <input type="checkbox"/> W	NO									
Channel feature(s) <input checked="" type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> L <input type="checkbox"/> J <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/> G <input type="checkbox"/> A <input type="checkbox"/> R <input type="checkbox"/> B <input type="checkbox"/> W	NO	NO	FO	RO	LO	NO	RO	RO	RO	RO

RIGHT BANK: TICK if functional fence										
Material <input checked="" type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> L <input type="checkbox"/> J <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/> G <input type="checkbox"/> A <input type="checkbox"/> R <input type="checkbox"/> B <input type="checkbox"/> W	EA	EA	CL	CL	EA	EA	EA	CL	CL	EA
Bank modification(s) <input checked="" type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> L <input type="checkbox"/> J <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/> G <input type="checkbox"/> A <input type="checkbox"/> R <input type="checkbox"/> B <input type="checkbox"/> W	NO									
Bank feature(s) <input checked="" type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> L <input type="checkbox"/> J <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/> G <input type="checkbox"/> A <input type="checkbox"/> R <input type="checkbox"/> B <input type="checkbox"/> W	NO	NO	NO	NO	NO	NO	NO	SC	NO	NO

C. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, FL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	BL									
LEFT BANK-TOP (structure within 1m) <input checked="" type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> L <input type="checkbox"/> J <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/> G <input type="checkbox"/> A <input type="checkbox"/> R <input type="checkbox"/> B <input type="checkbox"/> W	S									
LEFT BANK FACE (structure) <input checked="" type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> L <input type="checkbox"/> J <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/> G <input type="checkbox"/> A <input type="checkbox"/> R <input type="checkbox"/> B <input type="checkbox"/> W	S									
RIGHT BANK FACE (structure) <input checked="" type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> L <input type="checkbox"/> J <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/> G <input type="checkbox"/> A <input type="checkbox"/> R <input type="checkbox"/> B <input type="checkbox"/> W	S	S	C	S	C	S	S	B	S	S
RIGHT BANK-TOP (structure within 1m) <input checked="" type="checkbox"/> M <input type="checkbox"/> N <input type="checkbox"/> O <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> L <input type="checkbox"/> J <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/> G <input type="checkbox"/> A <input type="checkbox"/> R <input type="checkbox"/> B <input type="checkbox"/> W	S	S	S							
LAND USE WITHIN 5m OF BANK TOP (R)	BL									

D. CHANNEL VEGETATION TYPES (tick one box only)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	CA									
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

LAND USE WITHIN 5m OF BANKTOP (tick one box only)

	L	R		L	R
ruderal/mixed woodland (BL)	E	E	Rough pasture (RP)		
uniform plantation (CP)			improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
woodland/bush (MH)			Wetland (eg bog, marsh, fen) (WL)		
orch (OC)			Open water (OW)		
fall back/ rural vegetation (TH)			Suburban/urban development (SU)		

ARTIFICIAL/MODIFIED BANKTOPS (tick one box only)

	L	R	Artificial/modified	L	R
natural/undisturbed			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)	E	E	Reinforced - top only		
apex			Reinforced - toe only		
			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

TREES AND ASSOCIATED FEATURES (tick one box per feature)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E (2.11%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scattered continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WATERBODIES AND ASSOCIATED FEATURES (tick one box per feature)

WATERBODIES	None	Present E (2.11%)	ASSOCIATED FEATURES	None	Present E (2.11%)
Waterbodies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Canal(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rap(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Natural island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Riffle/Run/Pool

CHANNEL DIMENSIONS (to be measured at one site on a straight, well-exposed, unobstructed reach of river)

LEFT BANK	Banktop width (m)	4.00	RIGHT BANK	
Banktop height (m)	Water width (m)	2.00	Banktop height (m)	0.30
Embanked height (m)	Water depth (m)	0.05	Embanked height (m)	

If transect lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other? (tick one box)

NATURAL CHANNEL FEATURES (tick one box only)

None <input checked="" type="checkbox"/>	Number of	Culverts =	Weirs =	Outfalls =	Fords =
		Footbridges =	Roadbridges =		
Is water impounded by weir/dam?	No <input checked="" type="checkbox"/>	Yes, < 33% of site <input type="checkbox"/>	> 33% of site <input type="checkbox"/>		

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None <input checked="" type="checkbox"/>	Dredging <input type="checkbox"/>	Mowing <input type="checkbox"/>	Wood-cutting <input type="checkbox"/>
	Embankment <input type="checkbox"/>	Other? State	

FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None <input checked="" type="checkbox"/>	Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state) .....
	Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Cart <input type="checkbox"/>	
	Debris dams <input checked="" type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
	Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Fleth <input type="checkbox"/>	

CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

NOTABLE RIVERBANK PLANT SPECIES (tick one box only)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick one box)  *Heracleum* *rhododendron* *bracken*

GOVERNMENT CHARACTERISTICS (tick one box only)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - siting - other? =

Land Management: set-back - buffer strip - headland - abandoned land - parking - MoD - other? =

Animals: Fish:  otter -  minnow -  water vole -  bigfisher -  dipper -  grey wagtail -  meadow pipit -  heron -  dragonflies/damselflies

Other significant observations: SMALL NATURAL STREAM WITH DIFFICULT ACCESS, LOTS OF FLOW TIGHT AND LOGGY DEBRIS CAUSING POOLING OF WATER, LOTS OF REGENERATION OF TREES ON BANKS, EVIDENCE OF DEER.

PLABELLS (tick appropriate box(es))

Alders? None  Present  Extensive  Decayed Alders? None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Onft geology code Platform category  
 Distance from source (km) Significant tributary? Navigation category  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6139  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: MNT  
 Date: 6/6/1996 Time: 16:30 Surveyor name: DE VILLÉ Accreditation code: PF8

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

FALLY (see IFE) for Riffles Pools Unveg side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only**

Spot check 1 is upstream  downstream

LEFT BANK	TICK if fractional focus	EA	Ei	EA	BR	EA	EA	EA	CO	CO	CO	CO	CO	CO
Material	NE, NO, RS, RI, PC, BH, EM	EA	Ei	EA	BR	EA	EA	EA	CO	CO	CO	CO	CO	CO
Bank modification(s)	NE, NO, RS, RI, PC, BH, EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO, NO, EC, SC, PE, VP, SR, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL** NEW - substrate shape codes in FL, OV, EL, SF, CU, PO, BL, OWH, NW IR  
 Channel substrate NE, NO, RS, RI, PC, BH, EM CO CO BO BO CO CO CO CO GP CO  
 Substrate shape FL, OV, EL, SF, CU, PO, BL, OWH, NW IR  
 Plan type FL, OV, EL, SF, CU, PO, BL, OWH, NW UN UN UN UN UN UN UN UN UN UN UN  
 Channel modification(s) NE, NO, RS, RI, PC, BH, EM NO  
 Channel feature(s) NO, NO, EC, SC, PE, VP, SR, VS NO RO RO RO RO RO NO NO NO NO

**RIGHT BANK** TICK if fractional focus  
 Material NE, NO, RS, RI, PC, BH, EM EA CO BE EA CA EA CO E CA EA EA  
 Bank modification(s) NE, NO, RS, RI, PC, BH, EM NO  
 Bank feature(s) NO, NO, EC, SC, PE, VP, SR, VS NO NO NO NO NO NO NO NO NO NO NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, NH, SC, TH, RP, NO, TL, BL, OR, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	SU	SU	IG	RP	IG	IG
LEFT BANK TOP (structure within 1m) <u>BL/SC</u>	S	U	U	S	S	U	S	U	S
LEFT BANK FACE (structure) <u>BL/SC</u>	S	B	B	S	B	S	S	S	S
RIGHT BANK FACE (structure) <u>BL/SC</u>	S								
RIGHT BANK TOP (structure within 1m) <u>BL/SC</u>	U	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	SC	RP	TH	BL	TH	TH	SC	SC

**G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% depth) or L (present) 500m channel)**

NONE / PLANT GENERA - list first 5									
Bryophytes/lichens									
Emerg broad-leaved herbs (CALL, VET, D)									
Emerg reeds/sedges/rushes (T, FL, FLU)									
Floating-leaved (rooted)									
Free-floating									
Amphibious (L, P, P, T)									
Submerged broad-leaved									
Submerged fascicular-leaved									
Filamentous algae									

6139 1996 RIVER HABITAT SURVEY: 500m SWEEP-UP Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP Use E (≥ 33% banklength) or L if present

Broadleaf/mixed woodland (BL)							
Coniferous plantation (CP)							
Orchard (OR)							
Moorland/heath (MH)							
Scrub (SC)							
Tall herbs / mast vegetation (TH)							
Rough pasture (RP)							
Improved/semi-improved grass (IG)							
Tilled land (TL)							
Wetland (eg bog, marsh, fen) (WL)							
Open water (OW)							
Suburban/urban development (SU)							

**ARTIFICIAL/MODIFIED**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grate			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**PREVALENT TREES AND ASSOCIATED FEATURES**

TREES (tick one bar per feature)	Left	Right	ASSOCIATED FEATURES (tick one bar per feature)	None	Present E (≥ 33%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**EXTREMITY CHANNEL FEATURES**

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (≥ 33%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Expand bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Major island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): U U U

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	7.50	RIGHT BANK	
Banktop height (m)	Water width (m)	4.75	Banktop height (m)	0.75
Embanked height (m)	Water depth (m)	0.30	Embanked height (m)	

If trushline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown   
 Location of measurement is: riffle  run or glide  other  (tick one box)

**MATERIAL CHARACTERISTICS (indicate total number of each appropriate bar)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**N EVIDENCE OF RECENT MANAGEMENT (tick appropriate bar(s))**

None  Dredging  Moving  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**O FEATURES OF SPECIAL INTEREST (tick appropriate bar(s))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P CHOKED CHANNEL (tick one bar)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q NOTABLE NUISANCE PLANT SPECIES Use U or E (≥ 33% banklength) IFE into LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron Fraxinus

**PROVINCIAL CHARACTERISTICS (Circle appropriate words, add others as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam (road) rail - industry - housing - mining - quarrying - overdrinking - afforestation - fisheries management - silting - other? = \_\_\_\_\_  
 Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = \_\_\_\_\_  
 Animals: otter - gnat - water vole - langfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Other significant observations: Small fish

**S ALDERS (tick appropriate bar(s))**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary?	Navigation? <b>10</b>
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: **6140**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **LUNE**

Date: **11.1.1996** Time: **11:44** Surveyor name: **Duncan** Accreditation code: **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee	<input type="checkbox"/>	concave/bowl (If U-shaped glacial valley add "U")	<input type="checkbox"/>
deep vee	<input checked="" type="checkbox"/>	symmetrical floodplain	<input type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical floodplain	<input type="checkbox"/>

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)	
Rifles <b>5</b>	Unvegetated point bars <b>2</b>
Pools <b>8</b>	Vegetated point bars <b>0</b>

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

PHYSICAL ATTRIBUTES (to be assessed across channel width of 1m wide transect) (use one entry only)

Spot check 1st upstream	2	3	4	5	6	7	8	9	10	
Material <b>W, AF, AO, CO, GS, GA, PE, LL, CC, SP, WY, GA, BA, RB, RW</b>	EA	GA	GA	GA	RR	RR	RR	EA	EA	BO
Bank modification(s) <b>WE, MO, AS, RI, FC, BA, EN</b>	NO	RI	RI	RI	RI	RI	RI	NO	NO	NO
Bank feature(s) <b>WY, MO, EC, SC, PR, VP, SB, VS</b>	NO	NO	NO	NO	NO	NO	NO	EC	NO	NO
Channel substrate <b>WY, BE, BO, CO, GP, SA, SI, CL, PEAR</b>	PE	BE	BE	BE	CO	BE	BE	BO	BE	BO
Substrate shape <b>FL, CV, EL, SP, CU, PO, DL, Other</b>	NA	NA	NA	NA	OV	NA	NA	CA	NA	JR
Flow type <b>FF, CH, SW, UN, CF, RP, UP, SA, MP, JO</b>	NW	FF	RP	BW	UN	UN	SM	NW	SM	KW
Channel modification(s) <b>WE, MO, CV, AS, RI, DA, FO</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <b>WY, MO, EC, SC, PR, VP, SB, VS</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK (TICK if functional) (use one entry only)

Material <b>WY, BE, BO, CO, GP, SA, SI, CL, PEAR</b>	EA	BO	BO	BE	BE	BE	EA	EA	BE
Bank modification(s) <b>WE, MO, AS, RI, FC, BA, EN</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <b>WY, MO, EC, SC, PR, VP, SB, VS</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from <b>ML, CP, DR, MH, SC, TH, RP, IG, FL, WL, OW, SU</b>									
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) <b>BA, VC</b>	U	B	B	U	U	U	B	U	S
LEFT BANK FACE (structure) <b>BA, VC</b>	B	B	B	U	S	B	B	B	S
RIGHT BANK FACE (structure) <b>BA, VC</b>	U	B	S	B	U	B	B	U	B
RIGHT BANK TOP (structure within 1m) <b>BA, VC</b>	U	U	S	S	U	U	B	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	TH	TH	TH	TH	TH	TH	IG

PLANT GENERA (tick one box only)

NONE	PLANT GENERA - list first 5								
Bryophytes/lichens		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs	<b>PH</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emerg reeds/sedges/rushes		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flowering-leaved (rooted)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Submerged broad-leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerg fine/linear-leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Filamentous algae		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

LAND USE AND VEGETATION (tick one box only)

	L	R		L	R
wooded/mixed woodland (ML)		<input checked="" type="checkbox"/>	Rough pasture (RP)		
miscellaneous plantation (MP)		<input checked="" type="checkbox"/>	Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
marsh (SC)			Open water (OW)		
all herbs* rank vegetation (TH)		<input checked="" type="checkbox"/>	Suburban/urban development (SU)	E	

ARTIFICIAL FEATURES (tick one box only)

	L	R	Artificial/modified	L	R
canal/semi-canal			Recessed		
riprap/wooden	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	E	V
riprap + toe			Reinforced - top only		
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only		
concrete			Artificial two-stage		
spoilt			Poached		
			Embanked		
			Set back embankment		

WATERFALLS AND ASSOCIATED FEATURES (tick one box per bank)

	None	Present E (≥ 33%)		None	Present E (≥ 33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Canal(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bed(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

note predominant flow sequence (select up to three features): **rip rap / steep / 2.6**

CHANNEL DIMENSIONS (to be measured at the narrowest part of the channel) (use one entry only)

LEFT BANK	Banktop width (m)	<b>10.0</b>	RIGHT BANK	
Banktop height (m)	Water width (m)	<b>9.0</b>	Banktop height (m)	<b>0.5</b>
Embanked height (m)	Water depth (m)	<b>0.5</b>	Embanked height (m)	<input checked="" type="checkbox"/>

If bankline lower than banktop break in slope, indicate: height (m) =  width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

ARTIFICIAL FEATURES (tick one box only)

None <input type="checkbox"/>	Number of Culverts = <b>0</b>	Weirs = <b>2</b>	Outfalls = <b>2</b>	Fords = <b>0</b>
	Footbridges = <b>0</b>	Roadbridges = <b>0</b>	Other = <b>0</b>	
	Is water impounded by weir/dam? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (< 33% of site) <input type="checkbox"/> (> 33% of site) <input type="checkbox"/>			

FEATURES OF SPECIAL INTEREST (tick one box only)

None <input checked="" type="checkbox"/>	Dredging <input type="checkbox"/>	Mowing <input type="checkbox"/>	Wood cutting <input type="checkbox"/>
	Enhancement <input type="checkbox"/>	Other State <input type="checkbox"/>	

CHOKED CHANNEL (tick one box only)

Is 33% or more of the channel choked with vegetation? NO  YES

DESIRABLE NOISY PLANTS (tick one box only)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  Nettle Rhododendron bracken

OVERVIEW OF IMPACTS (tick one box only)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam (road) - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - affing - other? = **0**

Land Management, set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = **0**

Animals: other small water vole - English darter - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: **rip rap / steep / 2.6**

ALTERS (tick appropriate box(es))

Alters? None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Disused Alters? None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/>
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1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/A) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? **NO**  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number **6141**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: **SCANDEL BECK**  
 Date: **11/16/1996** Time: **15:44** Surveyor name: **DWEN** Accreditation code: **F27**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles **6** Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOLEE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see 2ff) for Riffles: \_\_\_\_\_ Pools: \_\_\_\_\_ Unveg. side bars: \_\_\_\_\_ Veg. point bars: \_\_\_\_\_

**B. PHYSICAL ATTRIBUTES (to be assessed across channel profile, 1m wide transect)**

Spot check 1 is upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK (structure within 1m)</b>	BO	BO	LP	EA	BO	BO	BO	EA	CO	CP
Material <b>NY, NO, BS, RI, PC, BM, EM</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK (structure within 1m)</b>	BO	BO	BO	BO	BO	BO	BO	BO	BO	BO
Material <b>NY, NO, BS, RI, PC, BM, EM</b>	BO	BO	BO	BO	BO	BO	BO	BO	BO	BO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**E. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed every 10m wide transect)**

Land use: choose one from RL, CP, OR, MH, SC, TH, RP, NG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	UG	IG	IC	WL	WL	TH	TH	TH	TH
LEFT BANK TOP (structure within 1m)	U	U	U	U	U	U	U	S	S	U
LEFT BANK FACE (structure)	U	U	S	S	S	S	U	S	S	U
RIGHT BANK TOP (structure within 1m)	U	U	S	U	U	S	U	S	U	U
RIGHT BANK FACE (structure)	U	U	S	U	U	S	U	S	U	U
LAND USE WITHIN 5m OF BANKTOP (R)	IG	UG	IG	IC	WL	WL	TH	TH	TH	TH

**G. CHANNEL VEGETATION COVERS (tick one box)**

NONE  PLANT GENERA - list first 5 \_\_\_\_\_

Bryophytes/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent broad leaved herbs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent reeds/sedges/rushes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Flowering-leaved (rooted)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Free-floating	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ambiporous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submerged broad leaved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submerged fine-leaved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Filamentous algae	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

SITE NO. **6141**

**A. CHANNEL DIMENSIONS AND INFLUENCES**

LEFT BANK	Banktop width (m)	<b>9.0</b>	RIGHT BANK	Banktop height (m)	<b>0.5</b>
	Water width (m)	<b>8.0</b>		Banktop height (m)	<b>0.5</b>
	Water depth (m)	<b>0.2</b>		Embanked height (m)	<b>0.5</b>

If waterline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**B. CHANNEL VEGETATION**

None  Number of Culverts = **0** Weirs = **0** Outfalls = **0** Fords = **0**  
 Footbridges = **0** Roadbridges = **0** Other = **1**

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**C. EVIDENCE OF FLOOD CONTROL**

None  Dredging  Moving  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**D. FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (specify) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flurb

**E. CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**F. NOTABLE VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? **Nettle, Rhododendron fraxinea**

**G. MAJOR IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road (rail) - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? \_\_\_\_\_

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? **in 2010**

Animals: otter - minnow - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: **Ditch to be on left bank, ridge huge**

**H. S. ALGERS (tick appropriate)**

Allen's None  Present  Extensive  Disturbed Allen's None  Present  Extensive

Indicate predominant flow sequence (select up to three features): **R10 -> R11**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**A. CHANNEL DIMENSIONS AND INFLUENCES**

LEFT BANK: Banktop width (m) **9.0**, Water width (m) **8.0**, Water depth (m) **0.2**

RIGHT BANK: Banktop height (m) **0.5**, Banktop height (m) **0.5**, Embanked height (m) **0.5**

If waterline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**B. CHANNEL VEGETATION**

None  Number of Culverts = **0** Weirs = **0** Outfalls = **0** Fords = **0**  
 Footbridges = **0** Roadbridges = **0** Other = **1**

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**C. EVIDENCE OF FLOOD CONTROL**

None  Dredging  Moving  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**D. FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (specify) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flurb

**E. CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**F. NOTABLE VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? **Nettle, Rhododendron fraxinea**

**G. MAJOR IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road (rail) - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? \_\_\_\_\_

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? **in 2010**

Animals: otter - minnow - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: **Ditch to be on left bank, ridge huge**

**H. S. ALGERS (tick appropriate)**

Allen's None  Present  Extensive  Disturbed Allen's None  Present  Extensive



**BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Plaquem category  
 Distance from source (km) Significant tributary? Navigation? **NO**  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: **6142**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **GREAT WYGILL**  
 Date: **11/1996** Time: **9.53** Surveyor name: **DUNCAN** Accreditation code: **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box only)**

Rifles **24** Unvegetated point bars **5**  
 Pools **1** Vegetated point bars **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.N. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BS

1996 RIVER HABITAT SURVEY: IFE SPOT CHECKS Page 2 of 4

DATE: 11/1996 RIFLES: 24 VEGETATED POINT BARS: 0 UNVEGETATED POINT BARS: 5

**PHYSICAL ATTRIBUTES (to be checked at every channel - 10m wide transect)**

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material	BE	EA	EA	EA	EA	EA	BE	EA	EA	CL
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SC	NO	NO	NO	NO	NO	NO	NO	SC
Channel substrate	BE	BO	CO	GP	GP	CO	BE	CO	GP	CL
Substrate shape	1A	3R	3V	3R	3R	3R	3A	3R	3A	3A
Flow type	RP	RP	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIFLES: TICK IF FUNCTIONAL SPOT**

Material	EA	BO	EA	EA	EA	EA	EA	EA	BE	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SB	NO	NO	EC	NO	NO	NO	NO	PB

**BANKTOP LAND USE AND VEGETATION STRUCTURE (IF SPOT CHECKED OVER A 10m WIDE TRANSECT)**

Land use: choose one from BE, CP, OR, NH, SC, TH, RP, FG, TL, VE, ON, SI

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) BASIC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BASIC	U	B	B	U	U	U	B	U	U	B
RIGHT BANK FACE (structure) BASIC	U	B	B	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) BASIC	U	U	U	U	U	U	U	U	B	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

**CHANNEL VEGETATION CHECKS**

NONB / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad leaved herbs										
Emerg roots/wedges/rushes										
Floating leaved (rooted)										
Fruiting										
Amphibious										
Submerged broad leaved										
Submerged fine/leaved										
Filamentous algae										

IFE NO: **6142**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<b>2.3</b>	RIGHT BANK	
	Banktop height (m)	<b>0.55</b>		Banktop height (m)
	Water width (m)	<b>2.0</b>		Water width (m)
	Water depth (m)	<b>0.02</b>		Water depth (m)
	Embedded height (m)			Embedded height (m)

If waterline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL GRADIENTS**

None  Number of Culverts = Weirs = Outfalls = Ponds =  
 Footbridges = Roadbridges = Other =  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**RESPONSE OF CHANNEL TO MAINTENANCE**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? State: ...

**CHARACTER OF CHANNEL**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Broad/wide channels  Natural open water  Curr   
 Debris dams  Water meadows  Marsh   
 Lethal debris  Flots  Flush

**PERCENT CHANNEL COVER**

Is 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle  Rhododendron  bracken

**MAJOR IMPACTS**

landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - silt - other? =

Land Management: set aside - buffer strip - broadland - abandoned land - pasture - MaD - other? = (Grazing land)

Animals: otter - stick - water vole - magpie - dipper - grey wagtail - sand martin - horn - dryadula/damselfly

Other significant observations: **Upland grazing in wet areas - very important bank erosion - silt - set aside**

**SCALE OF IMPACT**

None  Present  Extensive  Disturbed  None  Present  Extensive

**TRACES (tick one box per bank)**

None	Left <input checked="" type="checkbox"/>	Right <input type="checkbox"/>	Shading of channel	None <input type="checkbox"/>	Percent E (2.33%) <input type="checkbox"/>
Inclined/overhead	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scal continuous	<input type="checkbox"/>	<input type="checkbox"/>	Pollen trays	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Waterbed(s)	None <input type="checkbox"/>	Percent E <input type="checkbox"/>	Marginal deadwater	None <input type="checkbox"/>	Percent B (2.33%) <input type="checkbox"/>
Overhead(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mansrs (sheds)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>			

icate predominant flow sequence (select up to three features): **Riffle**



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation? **NO**  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: **6144**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **BURDEYS GULL**  
 Date: **12.16.1996** Time: **4:09** Surveyor name: **Duncan** Accreditation code: **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box only)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAKERAM, BH20 6BB

1996 RIVER HABITAT SURVEY - SPOT CHECK Page 2 of 2

TALLY (use JH) for Riffles Pools HIT Unveg. side bars Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one survey only**

Spot check 1 is upstream (U) downstream (D)	1	2	3	4	5	6	7	8	9	10
Material <b>NY, NE, NO, CO, GR, PE, CL, CS, SF, GP, CL, BR, BV</b>										
Bank modification(s) <b>NE, NO, AS, RJ, FC, BM, EN</b>										
Bank feature(s) <b>NY, NO, EC, SC, PR, PP, SR, VS</b>										
Channel substrate <b>NY, NE, NO, CO, GR, PE, CL, CS, SF, GP, CL, BR, BV</b>										
Substrate shape <b>FL, OV, EL, SF, CU, PO, BL, Others -</b>										
Flow type <b>FF, CH, SW, UN, CF, SF, UP, SM, NP, NO</b>										
Channel modification(s) <b>NE, NO, CY, AS, RJ, DA, JO</b>										
Channel feature(s) <b>NY, NO, NO, AB, VB, ML, RR</b>										

**RIGHT BANK CHECK if functional species**

Material <b>NY, NE, NO, CO, GR, PE, CL, CS, SF, GP, CL, BR, BV</b>	EA	CA	EA	EA	EA	EA
Bank modification(s) <b>NE, NO, AS, RJ, FC, BM, EN</b>						
Bank feature(s) <b>NY, NO, EC, SC, PR, PP, SR, VS</b>						

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from EL, CP, OR, MH, SC, FH, BP, GYL, W, DM, SU	IG	JG	JG	JG	SC	SC
LAND USE WITHIN 5m OF BANKTOP (L)						
LEFT BANK-TOP (structure within 1m) BAUSC						
LEFT BANK FACE (structure) BAUSC						
RIGHT BANK FACE (structure) BAUSC						
RIGHT BANK-TOP (structure within 1m) BAUSC						
LAND USE WITHIN 5m OF BANK TOP (R)						

**G. PLANT GENERA (list first 5)**

**NONE** / **PLANT GENERA - list first 5**

None	Bryophytes/lichens	Emerg broad-leaved herbs	Emerg reeds/sedges/rushes	Floating-leaved (rooted)	Free-floating	Amphibious	Submerged broad-leaved	Submerged fine/linear-leaved	Filamentous algae

STREAM CULVERT AND TUNNEL  
 SO THERE IS NO PHOTO

SITE NO. **6144**

**LAND USE WITHIN 5m OF BANKTOP (L)**

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)		<input checked="" type="checkbox"/>	Improved/well-improved grass (IG)	<input type="checkbox"/>	<input type="checkbox"/>
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	<input type="checkbox"/>	<input type="checkbox"/>	Open water (OW)		
Tall herb "meat" vegetation (TR)			Suburban/urban development (SU)		

**LAND USE WITHIN 5m OF BANKTOP (R)**

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		
Vertical + toe			Reinforced - whole bank	<input type="checkbox"/>	<input type="checkbox"/>
Slope (>45°)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Punched	<input type="checkbox"/>	<input type="checkbox"/>
			Embanked		
			Set back embankments		

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS AND POOLS**

Waterfall(s)	None	Present E (≥ 33%)	Marginal down-water	None	Present E (≥ 33%)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **Riffles/Pools**

1996 RIVER HABITAT SURVEY - DIMENSIONS AND DIFFERENCES Page 2 of 2

**EXPLAINED DIMENSIONS**

LEFT BANK	Banktop width (m)	0.8	RIGHT BANK	Banktop height (m)
Banktop height (m)	0.2	Water width (m)	0.75	Banktop height (m)
Embanked height (m)		Water depth (m)	0.12	Embanked height (m)

If waterline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width(m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURAL FEATURES**

None  Number of Culverts = **2** Weirs = **0** Overfalls = **0** Fords = **0**  
 Footbridges = **0** Roadbridges = **0** Other = **0**

Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**REVISIONS TO CHANNEL**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other  State **cut/wed up h/d of site**

**CREATION OF NEW CHANNELS (TRENCHES)**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foo  Flush

**PROTECTED CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES

**NON-SUBSTRATE PLANTS**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? **Nettle Rhododendron bracken**

**OTHER PLANT GENERA**

Major impacts: landfill - tipping - litter **no** - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting (other) = **Culverting of W/S bank & river into farm cow dung**  
 Land Management: set-aside - buffer strip - headland - abandoned land - partland - MOD - other = **grazing land**

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: **W/S of site has been culverted into a field & no water flows into Gorse dominated scrub & finally at W/S of site a wooded area from which 2 D's there is much natural input from cow dung**

**ALTERS** (tick one box per alter)

Alters? None  Present  Extensive  Overused Alters? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6145

Mid-site grid reference of network site if different from designated location:

Grid Reference: 193 003 + needs checking River: SWALE

Date 20.9.1996 Time: 6:00... Surveyor name DEVILVE Accreditation code. PF 8

Adverse conditions affecting survey? No  Yes  If yes, state

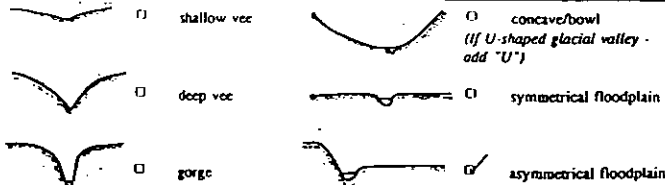
Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph general character? No  Yes  (tick one box)

(duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM: (tick one box only)



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS? (indicate total number)

Riffles 3 Unvegetated point bars 1

Pools 0 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use IFE) for Riffles  Pools  Unveg. Veg bars  Veg point bars

B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) 1 = one entry only

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if functional fence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Material <input type="checkbox"/> M <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> N	EA	EA	EA	EA	CS	EA	BW	BR	EA	EA
Bank modification(s) <input type="checkbox"/> M <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input type="checkbox"/> M <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> N	SC	SB	SB	NO	SB	SB	NO	NO	EC	NO

C CHANNEL CHARACTERISTICS (to be assessed across channel within a 1m wide transect)

Channel substrate <input type="checkbox"/> M <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> N	NV	NV	NV	NV	NV	CO	CO	CO	NV	CO
Substrate shape <input type="checkbox"/> F <input type="checkbox"/> O <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> C <input type="checkbox"/> U <input type="checkbox"/> P <input type="checkbox"/> O <input type="checkbox"/> B <input type="checkbox"/> O <input type="checkbox"/> M <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> R <input type="checkbox"/> P <input type="checkbox"/> B <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> W <input type="checkbox"/> R <input type="checkbox"/> P <input type="checkbox"/> W	NV	RP	SM	SM	RP	BR	SM	UN	RP	UN
Flow type <input type="checkbox"/> F <input type="checkbox"/> O <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> C <input type="checkbox"/> U <input type="checkbox"/> P <input type="checkbox"/> O <input type="checkbox"/> B <input type="checkbox"/> O <input type="checkbox"/> M <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> R <input type="checkbox"/> P <input type="checkbox"/> B <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> W <input type="checkbox"/> R <input type="checkbox"/> P <input type="checkbox"/> W	NV	RP	SM	SM	RP	BR	SM	UN	RP	UN
Channel modification(s) <input type="checkbox"/> M <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <input type="checkbox"/> M <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> N	NO	NO	NO	NO	NO	RO	NO	NO	NO	NO

D RIGHT BANK TICK if functional fence

Material <input type="checkbox"/> M <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> N	EA	EA	EA	EA	CO	GS	GS	RP	GS
Bank modification(s) <input type="checkbox"/> M <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> N	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input type="checkbox"/> M <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> I <input type="checkbox"/> J <input type="checkbox"/> K <input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> N	NO	EA	EL	EL	NO	NO	NO	NO	NO

E BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from M, CP, OR, MH, SC, FH, RP, IG, TL, WL, OW, SU	SU	SU	SU	SU	SU	SU	SU	IG	IG
LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	IG	IG
LEFT BANK TOP (structure within 1m) BAUSC	U	C	C	S	S	S	S	U	C
LEFT BANK FACE (structure) BAUSC	S	C	C	S	S	S	S	B	C
RIGHT BANK FACE (structure) BAUSC	B	B	B	S	S	B	C	S	S
RIGHT BANK TOP (structure within 1m) BAUSC	U	U	U	U	U	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	BL	SC

F CHANNEL VEGETATION TYPES (10m wide transect: R (≥ 33% area) or tick (present) 500m)

NONE / PLANT GENERA - list first 5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/lichen									
Emerg broad-leaved herbs									
Emerg reeds/bog grasses/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerg fan-linear-leaved									
Filamentous algae									

F LAND USE WITHIN 5m OF BANKTOP (for E (≥ 33% banktop) or tick (present) 500m)

	L	R		L	R
moorland/woodland (BL)			Rough pasture (RP)		
microfarm plantation (CP)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	
Orchard (OR)			Tilled land (TL)		E
moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
moor (SC)		<input checked="" type="checkbox"/>	Open water (OW)		
all herbs - road verges (TH)			Suburban/urban development (SU)		E

G BANK TOPOGRAPHY

barren/unmodified	L	R	Artificial/modified	L	R
erical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ripped + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Slope (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
side	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Poached	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set-back embankments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

H PRESENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)		ASSOCIATED FEATURES (tick one box per feature)	
None <input type="checkbox"/>	Left <input type="checkbox"/> Right <input type="checkbox"/>	Shading of channel <input checked="" type="checkbox"/>	None <input type="checkbox"/> Present E (≥ 33%) <input type="checkbox"/>
Isolated/scattered <input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs <input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single <input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots <input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps <input type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots <input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees <input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous <input type="checkbox"/>	<input type="checkbox"/>	Course woody debris <input checked="" type="checkbox"/>	<input type="checkbox"/>

I LIST OF CHANNEL FEATURES

Waterfall(s) <input checked="" type="checkbox"/>	None <input type="checkbox"/> Present E <input type="checkbox"/>	Marginal deadwater <input checked="" type="checkbox"/>	None <input type="checkbox"/> Present E (≥ 33%) <input type="checkbox"/>
Cascade(s) <input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock <input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s) <input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders <input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s) <input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s) <input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s) <input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s) <input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s) <input type="checkbox"/>	<input checked="" type="checkbox"/>	Manure island(s) <input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s) <input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s) <input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s) <input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s) <input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RIFFLE / G.L.D.E

J CHANNEL DIMENSIONS (to be measured at one site on a straight, uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	54.50	RIGHT BANK
Banktop height (m)	Water width (m)	35.00	Banktop height (m)
Embanked height (m)	Water depth (m)	0.30	Embanked height (m)
If tree-line lower than banktop break in slope, indicate: height (m) = width (m) =			
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input checked="" type="checkbox"/> boulders <input type="checkbox"/>			
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box)			

K SPECIAL FEATURES (indicate total number or tick appropriate box)

None <input checked="" type="checkbox"/>	Number of Culverts =	Wires =	Outfalls =	Fords =
	Footbridges =	Roadbridges =	Other =	
Is water impounded by weir/dam? No <input checked="" type="checkbox"/> Yes, < 33% of site <input type="checkbox"/> > 33% of site <input type="checkbox"/>				

L EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None <input checked="" type="checkbox"/>	Dredging <input type="checkbox"/>	Mowing <input type="checkbox"/>	Wood-cutting <input type="checkbox"/>
	Enhancement <input type="checkbox"/>	Other? State <input type="checkbox"/>	

M FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None <input checked="" type="checkbox"/>	Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state) <input type="checkbox"/>
	Graded/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	
	Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
	Lately debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Fish <input type="checkbox"/>	

N CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

O NOTABLE NUISANCE PLANT SPECIES Use U or E (≥ 33% banktop) IFE note LARGE STANDS of others eg

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

P RIVER CHANNEL CHARACTERISTICS (Circle appropriate words and others as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? =

Lead Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Fast flowing large river. Difficult to say class PB e/s. Ended and bank began in a number of places. \* Parallel, old weir - definite signs of man's interference - masonry water etc. possible link to Easty Abbey.

Q ALDERS (tick appropriate box(es))

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive



BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

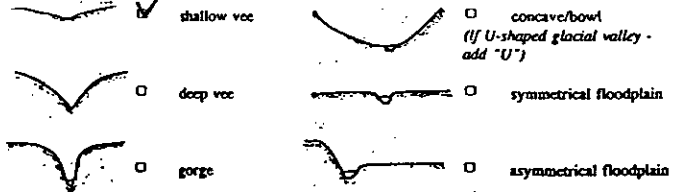
FIELD SURVEY DETAILS

Reference network site number: 6150  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 67053 River: TOWER BECK  
 Date: 11/6/1996 Time: 11:30 Surveyor name: DEVILLE Accreditation code: PFB

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIPPLES, POOLS AND POINT BARS (indicate total number)  
 Ripples 20 Unvegetated point bars 0  
 Pools 16 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

TALLY (use JFF) for - Ripples Pools Unveg. side bars Veg point bars

BI-PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only

Spot check 1 is: upstream  downstream

LEFT BANK (TICK if functional fence)	1	2	3	4	5	6	7	8	9	10
Material (M, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	NO	PC	PC	RI	NO	NO	NO	NO	NO	NO
Bank feature(s) (M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	SP	GP	CO	BO	CO	CO	BE	CO	SI	NU
Substrate shape (F, O, E, L, S, P, C, U, P, O, B, L, Others - see)	IF	IF	IF	IF	IF	IF	IF	IF	IF	IF
Flow type (F, O, B, W, U, N, C, T, R, P, U, P, S, K, P, J, O)	UW	SM	UW	UW	RP	SM	RP	SM	NP	NP
Channel modification(s) (M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	NO									
Channel feature(s) (M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	RO	NO	RO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (TICK if functional fence)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Material (M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	EA									
Bank modification(s) (M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	PC	NO	NO	NO	NO	NO	NO	NO	PC	NO
Bank feature(s) (M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	NO	NO	NO	EL	SC	NO	NO	NO	NO	NO

F, BANKTOP (LAND USE AND VEGETATION STRUCTURE: (to be assessed over a 10m wide transect))

Land use: choose one from M, CP, OR, MH, SC, TH, RP, RG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	IG	IG	K	IG	SU	IG	TH	LX	BL
LEFT BANK-TOP (structure within 1m) (M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	U	U	S	S	S	U	S	S	U	S
LEFT BANK FACE (structure) (M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	S	S	B	B	S	S	S	S	S	B
RIGHT BANK FACE (structure) (M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	S	S	B	B	S	S	S	S	B	S
RIGHT BANK-TOP (structure within 1m) (M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	U	S	S	S	S	S	S	S	U	U
LAND USE WITHIN 5m OF BANKTOP (R)	BL	IG	IG	K	IG	TH	TH	TH	IS	IG

CHANNEL VEGETATION TYPE (tick appropriate box(es))

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged leaf-linear-leaved										
Filamentous algae										

ITEM NO. 6150

modified woodland (BL)	L	R	Rough pasture (RP)	L	R
Uniform plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
orchard/leath (MT)			Wetland (eg bog, marsh, fen) (WL)		
rob (RC)			Open water (OW)		
all herbs: most vegetation (TR)			Suburban/urban development (SU)		

wood/woodland	L	R	Artificial/woodland	L	R
vertical + too			Reinforced - whole bank		
Slope (>45)	E	E	Reinforced - top only		
side			Reinforced - toe only		
embankment			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

TREES (tick one box per bank) ASSOCIATED FEATURES (tick one box per feature)

None	<input type="checkbox"/>	Left	Right	Shading of channel	None	<input type="checkbox"/>	Present	E (2.33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scam-conscious	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Conspicuous woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Waterfall(s)	None	<input checked="" type="checkbox"/>	Present	E	Marginal deadwater	None	<input type="checkbox"/>	Present	E (2.33%)
Chocoid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Race(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RIFFLES/POOL

CHANNEL DIMENSIONS: (to be measured at one site and a stretch of 100m with section provided across a riffle)

LEFT BANK	Banktop width (m)	3.75	RIGHT BANK	
Banktop height (m)	Water width (m)	2.00	Banktop height (m)	0.90
Embanked height (m)	Water depth (m)	0.15	Embanked height (m)	

If trapezium lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

MAN-MADE FEATURES

None  Number of Culverts = Footbridges = 1 Weirs = Roadbridges = Outfalls = Fords = 1 FARM

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? Stave

FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pea  Flush

CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

MINOR PLANT SPECIES (tick appropriate box(es))

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

MAJOR PLANT SPECIES (tick appropriate box(es))

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - bombing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: (tick one - mink - water vole - kingfisher - dipper - grey wagtail - and martin - heron - dragonflies/damselflies)

Other significant observations: SMALL SINUOUS STREAM. CACAMAN PARK (VERY SMALL & EMPTY) ON ONE BANK.

STATUSES (tick appropriate box(es))

Alders? None  Present  Extensive  Disused Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IPIB mods for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6153  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 913074 River: \_\_\_\_\_  
 Date: 12/16/1996 Time: 17:00 Surveyor name: DEVLIN Accreditation code: PFR

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles 0 Uvegetated point bars 0  
 Pools 6 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. R. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WARRERAN, BR20 688

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see INT) for: Rifles Pools Using side bars Veg point bars

**PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one only**

Spot check 11: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK: TICK if functional fence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Material (W, A, G, O, D, S, L, P, R, D, C, E, F, C, H, A, R, A, L, Y)	GA									
Bank modification(s) (N, P, O, A, S, R, P, C, A, H, E, N)	NO	NO	NO	NO	NO	RS	RS	RS	RS	RS
Bank feature(s) (N, P, O, A, S, R, P, C, A, H, E, N)	SC	SC	SC	SC	SC	SC	SC	SC	SC	NO
Channel substrate (W, A, G, O, D, S, L, P, R, D, C, E, F, C, H, A, R, A, L, Y)	GP	GP	GP	GP	GP	SI	SI	SI	SO	EP
Substrate shape (F, O, V, E, E, C, U, P, O, R, O, A, M, -)	IR	IR	IR	IR	IR				IR	IR
Flow type (F, O, V, E, E, C, U, P, O, R, O, A, M, -)	LP	NP	NP	NP	NP	NP	NP	NP	NP	RP
Channel modification(s) (N, P, O, A, S, R, P, C, A, H, E, N)	NO									
Channel feature(s) (N, P, O, A, S, R, P, C, A, H, E, N)	NO	NO	NO	NO	NO	NO	NO	NO	RO	TR
RIGHT BANK: TICK if functional fence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Material (W, A, G, O, D, S, L, P, R, D, C, E, F, C, H, A, R, A, L, Y)	GA									
Bank modification(s) (N, P, O, A, S, R, P, C, A, H, E, N)	NO	NO	NO	NO	NO	RS	RS	RS	RS	NO
Bank feature(s) (N, P, O, A, S, R, P, C, A, H, E, N)	NO	NO	NO	NO	SC	SC	SC	SC	SC	NO

**R. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, NR, SC, TH, RP, RL, TL, NL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG									
LEFT BANK TOP (structure within 1m) BUSIC	S	C	S	S	S	U	U	U	S	
LEFT BANK FACE (structure) BUSIC	S	S	S	U	S	B	B	B	S	
RIGHT BANK FACE (structure) BUSIC	S	S	S	S	S	B	B	B	S	
RIGHT BANK TOP (structure within 1m) BUSIC	S	S	U	S	S	U	U	U	S	
LAND USE WITHIN 5m OF BANK TOP (L)	IG									

**CHANGING VEGETATION TYPES (tick one box)**

NONE / PLANT GENERA - list first 5

Byrophyllous/dichotom	<input checked="" type="checkbox"/>									
Emerg broad-leaved herbs										<input checked="" type="checkbox"/>
Emerg reeds/sedges/rushes (P, S, A, T)										<input checked="" type="checkbox"/>
Flowering-leaved (rooted)										<input checked="" type="checkbox"/>
Fern-Gianting										<input checked="" type="checkbox"/>
Amphibious										<input checked="" type="checkbox"/>
Submerged broad-leaved										<input checked="" type="checkbox"/>
Subsurg float-leaved										<input checked="" type="checkbox"/>
Filamentous algae										<input checked="" type="checkbox"/>

SITE NO. 6153 1996 RIVER HABITAT SURVEY: COARSE SWEEP

**PLANT AND ANIMAL COMMUNITY DATA**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' mud vegetation (TH)			Suburban/urban development (SU)		

**ARTIFICIAL MODIFICATION**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/embankment	L	E	Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)		E	Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embedded		
			Set-back embankment		

**PLANT AND ANIMAL COMMUNITY DATA**

**TREES (tick one box per feature)**

None	<input type="checkbox"/>	Left	<input type="checkbox"/>	Right	<input type="checkbox"/>
Isolated/haunted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Local continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Shading of channel	None	<input type="checkbox"/>	Present	<input checked="" type="checkbox"/>	S (2.5%)
Overhanging banks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Palm trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**PLANT AND ANIMAL COMMUNITY DATA**

Waterfall(s)	None	<input type="checkbox"/>	Present	<input type="checkbox"/>	S (2.5%)
Canal(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rap(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): POOL / RUN

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight, wellford section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	1.00	RIGHT BANK	
Banktop height (m)	Water width (m)	0.70	Banktop height (m)	1.00
Embedded height (m)	Water depth (m)	0.05	Embedded height (m)	

If bankline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**PLANTING ACTIVITIES**

None  Number of: Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = 1  
 Is water impounded by weirs? No  Yes < 33% of site  > 33% of site

**EVIDENCE OF BENTHIC MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? Date \_\_\_\_\_

**SUBSTRATE OR SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 3m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fox  Flush

**COBLED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NON-VEGETATED CHANNELS (tick one box)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron bracken

**OVERLOOKS (CAUTIONS) (tick appropriate box(es))**

Major impacts: bank(s) - slipping - silt - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - other? = \_\_\_\_\_

Land Management: set-back - buffer strip - headland - channelled bed - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: FINE STREAM WITH VERY LOW WATER FLOW WITH TWO 'SECTIONS' WITHIN WITH STEEP GRABENT AND EMINENCE AT AFTER BEHIND IN WHICH BOTTOM BECOMES MORE OF AN OVERLOOKED DEPRESSION CHANNEL LAYING THROUGH FERTURLAND WITHIN THESE GRABENT CONTAINING SANDERS (tick appropriate box(es))

Advers: None  Present  Extensive  Damaged Advers: None  Present  Extensive

A TREE-LINED RIVER

**BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/m) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6155  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 249911 River: STERS POOL  
 Date: 15/11/1996 Time: 9:00 Surveyor name: DEVLIN Accreditation code: 149

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/hoop  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS: (Adduce total number)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and apparatus claims TO  
 F. N. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, DN20 6BB

**TALLY (see IFE) for: Riffles Pools Unveg side bars Veg point bars**

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* a one entry only**

Spot check 1 = upstream  downstream

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

**LEFT BANK** (TICK if functional fence)

Material: BC CA FE RO GS CO RE BE EA EA  
 Bank modification(s): NO NO NO NO NO NO NO NO NO NO  
 Bank feature(s): NO EL NO NO NO EC NO NO NO NO

**RIGHT BANK** (TICK if functional fence)

Material: BR CO BO GP CO EA CO EA RO EA  
 Bank modification(s): RI NO NO NO NO NO NO NO NO NO  
 Bank feature(s): SC NO NO NO NO NO NO NO NO SC EC

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, DR, ML, SC, TH, RP, FG, FL, WL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m) BANKC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BANKC	S	B	S	S	S	B	S	S	S	S
RIGHT BANK FACE (structure) BANKC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BANKC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

**G. CHANNEL VEGETATION TYPES (tick all that apply: E for 33% area or less (prevalent) 50% or more (dominant))**

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens		/	E	E	E	E	/	E	E	E
Emerg broad-leaved herbs							/	/	/	/
Emerg reeds/sedges/rushes										
Floating-leaved (round)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged function-leaved										
Filamentous algae		/	/	/	/	/	/	/	/	/

**LAND USE WITHIN 5m OF BANKTOP (tick all that apply: E for 33% area or less (prevalent) 50% or more (dominant))**

	L	R		L	R
Scrubland-wooded (BL)	E	E	Rough pasture (RP)		E
Lowland plantation (CP)			Improved/semi-improved grass (FG)		
Orchard (OR)			Filled land (FL)		
Lowland/rough (ML)			Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)			Open water (OW)		
Urban/road verges (TH)	/	/	Suburban/urban developments (SU)		

**ARTIFICIAL/MODIFIED CHANNELS (tick all that apply: E for 33% area or less (prevalent) 50% or more (dominant))**

	L	R		L	R
Reinforced - whole bank					E
Reinforced - top only	E	E			
Reinforced - toe only					
Artificial two-stage					
Poached					
Embanked					
Set back embankments					

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? Static

**O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Big  Other (state)   
 Broad/side channels  Natural open water  Curt   
 Debris dams  Water meadow  Marsh   
 Lumpy debris  Fun  Flank

**F. CROCKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**G. NOTABLE NUISANCE PLANT SPECIES (tick all that apply: E for 33% bank height) IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**H. POTENTIAL CHARACTERISTICS (tick all that apply: E for 33% bank height) IFE note LARGE STANDS of others eg**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overstepping - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - landward - abandoned land - portland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: LARGE STONES

**I. ALDERS (tick appropriate box(es))**

Abundant? None  Present  Extensive  Disjunct Abundant? None  Present  Extensive

tick predominant flow sequence (select up to three features): RAPID / LOW / GROUND

**C. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	6.50	RIGHT BANK		
Banktop height (m)	0.60	Water width (m)	3.75	Banktop height (m)	0.40
Embanked height (m)		Water depth (m)	0.20	Embanked height (m)	

If banktop lower than banktop bank in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**MATERIAL FEATURES (tick all that apply: E for 33% area or less (prevalent) 50% or more (dominant))**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roundbridges = Other =  
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? Static

**O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Big  Other (state)   
 Broad/side channels  Natural open water  Curt   
 Debris dams  Water meadow  Marsh   
 Lumpy debris  Fun  Flank

**F. CROCKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**G. NOTABLE NUISANCE PLANT SPECIES (tick all that apply: E for 33% bank height) IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**H. POTENTIAL CHARACTERISTICS (tick all that apply: E for 33% bank height) IFE note LARGE STANDS of others eg**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overstepping - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - landward - abandoned land - portland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: LARGE STONES

**I. ALDERS (tick appropriate box(es))**

Abundant? None  Present  Extensive  Disjunct Abundant? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFE mods for plant geocra and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6156  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: 336850 River: GIBBON'S CREEK  
 Date: 15/1996 Time: 12:30 Surveyor name: DEWILL Accreditation code: PEB  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles 13 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

FALLY (use IFE for Riffles) Pools Unveg side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only**

Spot check 1st upstream  downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	TICK if functional fence									
Material	CL	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	EC	EC	NO	NO	SC	EC	VS	SC	NO
CHANNEL	NEW - Substrate shape codes = Film Old Elements: 25% Solid 25% Small Polyhedral 25% Other: 25%									
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type	LW	SM	SM	UW	UW	UW	UW	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	TICK if functional fence									
Material	CL	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	EC	NO	NO	NO	SC	NO	SC	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use, choose one from: BL, CP, OK, MH, SC, TH, RP, NG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) BUI/SC	U	S	S	S	V	U	S	S	S
LEFT BANK FACE (structure) BUI/SC	S	R	B	S	S	B	R	S	B
RIGHT BANK FACE (structure) BUI/SC	S	R	S	S	S	B	S	S	S
RIGHT BANK-TOP (structure within 1m) BUI/SC	S	E	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	WL	RP	WL	RP	BL	WL	HL	RP	RP

**G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% cover) or tick (present) 500m reach-all)**

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens		E	/	E	E	E	/	/	/	/
Emerg broad-leaved herbs	DEMA, LALB	/	/	/	/	/	/	/	/	/
Emerg reeds/sedges/rushes	IPHA, TUNL	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)	KALC	/	/	/	/	/	/	/	/	/
Free-floating		/	/	/	/	/	/	/	/	/
Amphibious		/	/	/	/	/	/	/	/	/
Submerged broad-leaved		/	/	/	/	/	/	/	/	/
Submerg fine/linear-leaved	CALL	/	/	/	/	/	/	/	/	/
Filamentous algae		/	/	/	/	/	/	/	/	/

SITE NO 6156 1996 RIVER HABITAT SURVEY: 500m SWEEP-UP Page 3 of 4

**F LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or tick (present))**

	L	R		L	R
Broadleaf/mixed woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)		<input checked="" type="checkbox"/>
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OK)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		<input checked="" type="checkbox"/>
Scrub (SC)			Open water (OW)		<input checked="" type="checkbox"/>
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		<input checked="" type="checkbox"/>

**G BANKTOP FEATURES (indicate total number, or tick appropriate box)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Poached	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set-back embankments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**H PERCENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per band)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**I CHANNEL CHARACTERISTICS (tick one box)**

	None	Present E (≥ 33%)		None	Present E (≥ 33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Riffle, Run, Pool

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**J CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	5.75	RIGHT BANK	
Banktop height (m)	Water width (m)	4.25	Banktop height (m)	1.25
Embanked height (m)	Water depth (m)	0.15	Embanked height (m)	

If trashing lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**K ARTIFICIAL FEATURES (indicate total number, or tick appropriate box)**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dropping Enhancement  Mowing  Wood cutting  Other? State:

**O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Braided/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q NOTABLE NUISANCE PLANT SPECIES Use (or E (≥ 33% banklength)) IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron bracken

**R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)**

Major impacts: landfill tipping - litter - sewage - pollution - drought - abstraction - mill dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: STRAIGHT CHANNELLED SMALL

**S ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Divided Alders? None  Present  Extensive



BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 6157  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference 417930 River: WINSTER  
 Date 10/5/1996 Time: 14:50 Surveyor name DEVILLE Accreditation code PFB

Adverse conditions affecting survey? No  Yes  If yes, state  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph - general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/howl (If U-shaped glacial valley - add 'U')   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 8 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

TALLY (use JMI) for Riffles (R) Pools (P) Unveg. side bars (U) Veg. point bars (V)

B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* = one entry only

Spot check 1 is upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material (M) AE BO CO GS EA FE FL GEC GP GR GA GB BB BV	EA	EA	EA	EA	EA	BR	BR	BR	EA	EA
Bank modification(s) (M) NO AS RI FC BR BR	FC	NO	FC	NO	FC	NO	FC	NO	NO	NO
Bank feature(s) (M) NO EC SC PB VP SB VS	NO	NO	NO	NO	SC	SC	SC	EC	NO	NO

C CHANNEL (NEW = suitable shape codes) (FL = Old Elongated, SP = Old Channel, PO = Old, Regular, Other = any)

Channel substrate (M) AE BO CO GS EA FE FL GEC GP GR GA GB BB BV	GP	GP	GP	GP	GP	CU	GP	GP	GP	CU
Substrate shape (M) OV EL SP CU PO BR, Other = any	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type (M) CH SW UN LF RP UF SM NP NO	NP	SM	LF	UN	SM	RP	NP	SM	SM	RP
Channel modification(s) (M) NO AS RI FC BR BR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (M) NO EC SC PB VP SB VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

LAND USE WITHIN 5m OF BANKTOP (L)	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC
LEFT BANK-TOP (structure within 1m) (M) NO AS RI FC BR BR	U	U	B	U	U	S	U	S	S	C
LEFT BANK FACE (structure) (M) NO AS RI FC BR BR	S	S	B	S	S	U	S	S	S	S
RIGHT BANK FACE (structure) (M) NO AS RI FC BR BR	S	S	S	S	S	U	S	S	U	S
RIGHT BANK-TOP (structure within 1m) (M) NO AS RI FC BR BR	S	S	S	S	S	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IC	IC	IC	IC	IC	IC	IC	IC	IC	IC

G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 50m catchment)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs (EM) E										
Emerg reeds/sedges/rushes (EM) E										
Floating-leaved (rooted) (FL) E										
Free-floating (FF) E										
Amphibious (AM) E										
Submerged broad-leaved (SM) E										
Submerged fine-linear-leaved (SL) E										
Filamentous algae (FA) E										

L LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or tick (present))

	L	R		L	R
woodland/woodland (BL)			Rough pasture (RP)		
woody plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Wetland/peat (WH)			Wetland (eg bog, marsh, fen) (WL)		
Woods (WC)			Open water (OW)		
Herbaceous vegetation (TH)			Suburban/urban development (SU)		

M BANKTOP MODIFICATION (M) NO AS RI FC BR BR

barren/unmodified	L	R	Artificial/modified	L	R
Local/unexcavated			Reinforced		
Local + toe			Reinforced - whole bank		
Step (>45°)			Reinforced - top only	E	E
Side			Reinforced - toe only		
Spouse			Artificial two-stage		
			Poached	E	E
			Embanked		
			Set back embankments		

N EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per feature)

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi continuous			Fallen trees		
Continuous			Common woody debris		

O EXTENT OF CHANNEL FEATURES (tick one box per feature)

	None	Present E		None	Present E (≥ 33%)
Waterfall(s)			Marginal deadwater		
Cascade(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid-channel bar(s)		
Run(s)			Vegetated mid-channel bar(s)		
Bank(s)			Mature island(s)		
Slide(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

State predominant flow sequence (select up to three features): Riffle - Run - Pool

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	2.50	RIGHT BANK	
Banktop height (m)	Water width (m)	2.00	Banktop height (m)	0.60
Embanked height (m)	Water depth (m)	0.25	Embanked height (m)	

If tracheae lower than banktop break in slope, indicate: height (m) = width (m) =  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

M ARTIFICIAL FEATURES (indicate total number, or tick appropriate box)

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None   
 Waterfalls > 5m high  Artificial open water  Bug  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

Q NOTABLE NUISANCE PLANT SPECIES (Use U or E (≥ 33% banklength) IFE note LARGE STANDS of others eg)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

Major impacts: landfill tipping, litter, sewage, pollution, drought, abstraction, mill, dam, road, rail, industry, housing, mining, quarrying, overstocking, afforestation, fisheries management, siting, other? =  
 Land Management: set aside, buffer strip, badland, abandoned land, parkland, MoD, other? =

Animals: otter, musk, water vole, longfisher, dipper, grey wagtail, sand martin, heron, dragonfly/damselfly

Other significant observations: ...

S ALDERS (tick appropriate box(es))

Alders? None  Present  Extensive  Overcast Alders? None  Present  Extensive



BACKGROUND MAP-BASED INFORMATION

Altitude (m): \_\_\_\_\_ Slope (m/km): \_\_\_\_\_ Flow category (1-10): \_\_\_\_\_  
 Solid geology code: \_\_\_\_\_ Drift geology code: \_\_\_\_\_ Platform category: \_\_\_\_\_  
 Distance from source (km): \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m): \_\_\_\_\_ Water Quality Class: \_\_\_\_\_


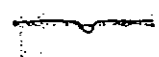
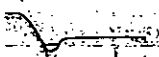
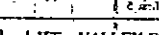

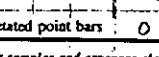
FIELD SURVEY DETAILS

Reference network site number: 6163  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: Swak  
 Date: 17/6/1996 Time: 15:39 Surveyor name: JL Accreditation code: PF49

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee   concave/bowl (if U-shaped glacial valley - add "U")   
 deep vee   symmetrical floodplain   
 gorge   asymmetrical floodplain 

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles: 4 Unvegetated point bars: 2  
 Pools: 0 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

TALLY (see PG1 for Riffles) Pools Unveg. side bars Veg point bars

PHYSICAL ATTRIBUTES (to be recorded across channel within a 1m wide transect) (code only, only 10)

Spot check 1 is: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK if functional										
Material (M: NO, CO, CS, CA, PE, CL, CC, SP, GP, GA, MA, RA, RP)	CO	CO	CO	CO	EA	BO	BO	CO	EA	EA
Bank modification(s) (M: NO, AS, RP, FC, BM, EM)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M: NO, EC, SC, PB, VP, SB, VS)	NO	NO	NO	SO	SO	SO	SO	NO	SO	NO
RIGHT BANK - TICK if functional										
Material (M: NO, CO, CS, CA, PE, CL, CC, SP, GP, GA, MA, RA, RP)	CO	CO	CO	CO	CS	CO	CO	CO	EA	EA
Bank modification(s) (M: NO, AS, RP, FC, BM, EM)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M: NO, EC, SC, PB, VP, SB, VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be recorded over a 10m wide transect)

Land use: choose one from BL, CL, CR, DR, HM, SC, TH, RP, AG, FL, WL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1L	2L	3L	4L	5L	6L	7L	8L	9L	10L
LEFT BANK TOP (structure within 1m) (M: NO, SC)	C	C	C	S	U	U	U	U	U	U
LEFT BANK FACE (structure) (M: NO, SC)	B	B	B	B	C	A	U	U	S	
RIGHT BANK FACE (structure) (M: NO, SC)	B	B	B	B	B	C	B	B	U	
RIGHT BANK TOP (structure within 1m) (M: NO, SC)	U	U	U	U	S	U	U	U	U	
LAND USE WITHIN 5m OF BANK TOP (R)	1R	2R	3R	4R	5R	6R	7R	8R	9R	10R

G. CHANNEL BIOLOGICAL TYPES (to be recorded across channel within a 1m wide transect)

NONE / PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens		✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg broad-leaved herbs										
Emerg reeds/flag/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fascicled-leaved	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

H. BANKTOP LAND USE AND ASSOCIATED FEATURES

SHADE THIS	L	R	(m) CH - (m) CH	L	R
acidified woodland (BL)	E	E	Rough pasture (RP)		
ferrous plantation (CP)			Improved/semi-improved grass (IG)	L	E
Orchard (OR)			Tilled land (TL)		
Wetland/heath (WH)			Wetland (eg bog, marsh, fen) (WL)		
6 (SC)			Open water (OW)		
herbs rank vegetation (TR)			Suburban/urban development (SU)		

real/unmodified	L	R	Artificial/modified	L	R
scall/undercut	✓	✓	Recessed		
scall + toe			Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
scall	✓	✓	Reinforced - toe only		
pothic			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

TREES (tick one box per bank) ASSOCIATED FEATURES (tick one box per feature)

None	Left	Right	None	Present E (>33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>
Semi-cocontinuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>
			Coarse woody debris	<input checked="" type="checkbox"/>

WATERFALLS AND OTHER FEATURES

None	Present E	None	Present E (>33%)	
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal downwater	<input checked="" type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

etc predominant flow sequence (select up to three features): Slide Riffle Ram

I. CHANNEL DIMENSIONS (to be measured at a riffle or a straight uniform section preferably)

LEFT BANK	Banktop width (m)	2.5	RIGHT BANK	Banktop width (m)	2.5
Banktop height (m)	0.5	Water width (m)	2.1	Banktop height (m)	0.5
Embanked height (m)		Water depth (m)	0.3	Embanked height (m)	

If trapezium lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

J. CHANNEL PHYSICAL ATTRIBUTES (to be recorded across channel within a 1m wide transect)

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

K. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State: \_\_\_\_\_

L. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

M. CHECKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

N. QUANTIFIABLE PLANT STANDS (tick appropriate box(es))

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron bracken

O. GENERAL CHARACTERISTICS (tick appropriate box(es))

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - rail - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silt - other? = \_\_\_\_\_  
 Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Other significant observations: \_\_\_\_\_  
 Field No: \_\_\_\_\_  
 Aiden? None  Present  Extensive  Disused Aiden? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and flooding Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: G164  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: 16S 99Z River: BADGER BECK  
 Date: 01.05/1996 Time: 09.00 Surveyor name: DEVILLE Accreditation code: PF 8  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS: (indicate total number)**

Riffles 1 Unvegetated point bars 8  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 686

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use IFE) for Riffles Pools Unveg. side bars (H/I) Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - 1 = one entry only**

Spot check 1 is upstream  downstream

**LEFT BANK TICK if fractional fence**

Material (w, m, co, ce, ea, pe, cl, cc, sp, up, ca, ar, ar, ar)	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	SC	NO	NO	SC	NO	SB	NO

**CHANNEL**  NEW  MODIFIED  OLD  FLOW ON AT SLIGHTLY ANGLE  CHANNEL  CHANNEL  CHANNEL  CHANNEL  CHANNEL

Channel substrate: NO, AR, CO, CE, EA, PE, CL, CC, SP, UP, CA, AR, AR, AR

Substrate shape: FL, OV, EL, SP, CU, PO, D, OTHER - none IR IR IR IR IR IR IR IR IR IR

Flow type: FF, CH, SW, UN, LE, AP, UP, SH, AP, NO UW UW UW UW UW UW UW UW UW UW

Channel modification(s): NO, NO, CV, AS, AL, DA, FO NO NO NO NO NO NO NO NO NO NO

Channel feature(s): NO, NO, RO, MB, VB, AI, TR NO NO NO NO NO NO NO NO NO NO

**RIGHT BANK TICK if fractional fence**

Material (w, m, co, ce, ea, pe, cl, cc, sp, up, ca, ar, ar, ar)	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, NH, SC, TH, RP, IO, TL, RL, DR, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	CP	CP	CP	CP
LEFT BANK TOP (structure within 1m) BAUS/C	S	S	S	S	S	S	U	S	S	S
LEFT BANK FACE (structure) BAUS/C	S	S	S	S	S	S	S	S	S	B
RIGHT BANK FACE (structure) BAUS/C	S	S	S	S	S	S	U	S	S	S
RIGHT BANK TOP (structure within 1m) BAUS/C	S	S	S	S	S	S	U	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	BL	BL	TH	RP	BL	CP	CP	CP	CP

**G CHANNEL VEGETATION TYPES (10m wide transect: E (2-33% area) by tick (generally) 500m each side)**

NONE										
Bryophytes/lichens	/	/	/	/	/	/	/	/	/	/
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. G164 1996 RIVER HABITAT SURVEY: 500m SWEEP UP Page 3 of 4

**H LAND USE WITHIN 5m OF BANKTOP: Use E (2-33% banktop) or U (if present)**

Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)				
Coniferous plantation (CP)	E	F	Improved/semi-improved grass (IG)				
Orchard (OR)			Tilled land (TL)				
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)				
Scrub (SC)			Open water (OW)				
Tall herbs' reed vegetation (TH)			Suburban/urban development (SU)				

**I CHANNEL CHARACTERISTICS**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle	E	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Punched		
			Enhanced		
			Set-back embankments		

**J PRESENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (2-33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scattered continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**K CHANNEL CHARACTERISTICS**

Waterfall(s)	None	Percent E	Marginal deadwater	None	Percent E (2-33%)
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapids(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rune(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glides(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RIFFLE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	7.5	RIGHT BANK	
Banktop height (m)	Water width (m)	4.0	Banktop height (m)	0.6
Embanked height (m)	Water depth (m)	0.15	Embanked height (m)	

If embankment lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M ARTIFICIAL FEATURES**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State:

**O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Brided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q NOTABLE NUISANCE PLANT SPECIES Use U or E (2-33% banktop) IFE, note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**R OVERALL CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping (afforestation) - fisheries management - siltation - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - partland - MoD - other? =

Animals: otter - eink - water vole - kingfisher - dipper - grey egret - sand martin - heron - dragonflies/damselflies

Other significant observations: FRESH SCUMPS SMALL LIVER IN DENSE WOODLAND. QUITE SMOOTH OR IRREGULARLY MEANDERING.

**S ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Decayed Alders? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6165

Mid-site grid reference of network site if different from designated location:

Grid Reference: BT 271710 River: SCURF BECK

Date: 1.15.1996 Time: 15.40 Surveyor name: DEVILLE Accreditation code: PF 8

Adverse conditions affecting survey? No  Yes  If yes, state



Bed of river visible? No  partially  entirely  (tick one box)


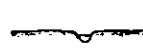
IFE single photograph: general character? No  Yes  (tick one box)



(duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee   concave/bowl (if U-shaped glacial valley - add 'U') 

deep vee   symmetrical floodplain 

gorge   asymmetrical floodplain 

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use Jiffy for - Riffles Pools Unveg. side bars Veg point bars)

B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional focus										
Material <u>WV, BE, NO, CO, CS, SA, PL, CL, CC, SP, WP, CA, BR, RR, BV</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NE, NO, RS, RL, FC, BM, EM</u>	NS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <u>WV, NO, EC, SC, FB, VP, SB, VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL <u>NEW: substrate change codes (see IFE manual) or (if present) Channel Population Descriptor Order: see IFE manual</u>										
Channel substrate <u>WV, BE, NO, CO, CP, SA, PL, CL, PL, AR</u>	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Substrate shape <u>FL, OV, EL, SP, CU, PO, TR, Others - none</u>	/	/	/	/	/	/	/	/	/	/
Flow type <u>FT, CH, SW, UV, CF, RP, UP, SM, SP, MD</u>	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) <u>NE, NO, CV, AS, RI, DA, FD</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>WV, NO, RO, NB, VB, MI, TR</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional focus										
Material <u>WV, BE, NO, CO, CS, SA, PL, CL, CC, SP, WP, CA, BR, RR, BV</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NE, NO, RS, RL, FC, BM, EM</u>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <u>WV, NO, EC, SC, FB, VP, SB, VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	SC	TH	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) <u>BU/SC</u>	S	S	S	C	S	C	S	S	S	U
LEFT BANK FACE (structure) <u>BU/SC</u>	S	S	S	B	S	S	S	S	S	S
RIGHT BANK FACE (structure) <u>BU/SC</u>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) <u>BU/SC</u>	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	TH	TL	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES (10m wide transect; E (2-11% cover) or tick (presence) 50% cover)

NONE / PLANT GENERA - list first 5	/									
Bryophytes/lichens										
Emerg broad-leaved herbs <u>WDO</u>										/
Emerg reeds/edges/rushes <u>PMAL</u>	/	/								/
floating-leaved (rooted)										/
Free floating										
Amphibious		/	/			/	/			/
Submerged broad-leaved <u>CPAL</u>							/	/		/
Submerg fine/linear-leaved										
Filamentous algae										

H LAND USE WITHIN 50M OF BANKTOP (tick one box per 50m segment of all present)

	L	R		L	R
woodland/mixed woodland (BL)			Rough pasture (RP)		
uniform plantation (CP)			Improved/semi-improved grass (IG)		/
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
rob (SC)	/		Open water (OW)		
fl herbs' reed vegetation (TH)	/	/	Suburban/urban development (SU)		

I CHANNEL FEATURES

barren/unmodified	L	R	Artificial/modified	L	R
riparian/wooded	/	/	Recessed	/	/
riparial + toe	/	/	Reinforced - whole bank	/	/
Steep (>45°)	/	/	Reinforced - top only	/	/
side	/	/	Reinforced - toe only	/	/
opposite	/	/	Artificial two-stage	/	/
			Poached	/	/
			Embanked	/	/
			Set-back embankments	/	/

J PRESENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (≥33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scrub continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

K RIVER CHANNEL CHARACTERISTICS

Waterfall(s)	None	Percent E	Marginal deadwater	None	Percent E (≥33%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rune(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Manure island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

date predominant flow sequence (select up to three features): GLIDE

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	<u>5.75</u>	RIGHT BANK	
Banktop height (m)	<u>1.75</u> Water width (m)	<u>2.25</u>	Banktop height (m)	<u>1.75</u>
Embanked height (m)	Water depth (m)	<u>0.20</u>	Embanked height (m)	

If trushes lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

M RECENT MANIPULATIONS

None <input checked="" type="checkbox"/>	Number of Culverts =	Footbridges =	Roadbridges =	Outfalls =	Fords =

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other  State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None <input checked="" type="checkbox"/>	Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
	Bricks/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Cart <input type="checkbox"/>	
	Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
	Leafy debris <input type="checkbox"/>	Foss <input type="checkbox"/>	Flush <input type="checkbox"/>	

P CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

Q NOTABLE NUISANCE PLANT SPECIES (U or E (≥33% bank(s))) IFE note LARGE STANDS of others etc

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other: None Rhododendron fruticosum

R RIVER CHANNEL CHARACTERISTICS (Circle appropriate water body effects as necessary)

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - abstraction - spill - dam - road - rail industry - logging - mining - quarrying - overdeepening - afforestation - fisheries management - other = FARMING

Land Management: set-aside - buffer strip - headland - abandoned land - partial - MoD - other =

Animals: otter - minnow - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: SMALL, RECENTLY DREDGED STREAM RUNNING THROUGH AGRICULTURAL LAND. LEFT BANK SHOWING SPECIES OF LOW-NEGLECTED HEDGING. RIGHT BANK WITH EVIDENCE OF 'GROBED-OUT' HEDGE

S ALDERS (tick appropriate box(es))

Alders? None  Present  Extensive  Downed Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and faecing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6166  
 Mid-site grid reference of network site if different from designated location: 390970

Grid Reference: 390970 River: WILTON BECK  
 Date: 1.5.1996 Time: 12.50 Surveyor name: M. A. V. Accreditation code: PFB

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles 26 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (use JHT) for: Riffles  Pools  Unveg side bars  Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* one entry only**

Spot check 1 is: upstream  downstream

LEFT BANK	TICK if fractional faec	1	2	3	4	5	6	7	8	9	10
Material	RD EA FA EP EA EP EA EP EA	RD	EA	FA	EP	EA	EP	EA	EP	EA	EP
Bank modification(s)	NR, NO, RS, RP, SC, SR, SS, VS	NR	NO	RS	RP	SC	SR	SS	VS		
Bank feature(s)	NY, NO, EC, SC, PR, VP, SR, VS	NO	SC	SC	SC	NO	SC	SC	NO	NO	FC
CHANNEL (NEW: substrate shape codes in <small>(Flow channel, embankment, riparian, channel, point bar, floodplain, oxbow, etc.)</small> )											
Channel substrate	NY, RE, RO, CO, GP, SA, SI, CL, PEAR	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	FL, OV, EL, SP, CU, PO, R, O, W, V, -	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type	FT, CH, BN, UN, CF, RP, UP, SA, RP, NO	RP	SM	SM	RP	RP	SM	SM	RP	RP	RP
Channel modification(s)	NR, NO, EC, RS, RP, SC, SR, SS, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NY, NO, RO, SA, VP, SR, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	TICK if fractional faec										
Material	RD EA FA EP EA EP EA EP EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NR, NO, RS, RP, SC, SR, SS, VS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NY, NO, EC, SC, PR, VP, SR, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**P. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, NH, SC, TH, RP, SG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) BV/SC	S	U	U	S	S	U	S	U	U	S
LEFT BANK FACE (structure) BV/SC	S	U	S	S	S	S	S	S	S	B
RIGHT BANK FACE (structure) BV/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BV/SC	U	U	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TG	TG	TG

**Q. CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) sites "tick all")**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	PLAB	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating leaved (rooted)										
Free-floating										
Ambitious	RBW		✓							✓
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae		E	E	✓	✓	✓	✓	✓	E	E

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**LAND USE WITHIN 5m OF BANKTOP (tick all appropriate boxes)**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		F
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' reed vegetation (TH)			Suburban/urban development (SU)		

**TYPE OF BANK**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/retorted	✓		Retorted	E	E
Vertical + toe	✓		Reinforced - whole bank		✓
Slope (> 45°)			Reinforced - top only		✓
Gentle			Reinforced - toe only		✓
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**EVIDENCE OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scrub continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**INDICATE PREDOMINANT FLOW SEQUENCE (select up to three features):**  
 RIFLES GUIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	6.25	RIGHT BANK		
Banktop height (m)	2.5	Water width (m)	1.75	Banktop height (m)	2.5
Embanked height (m)		Water depth (m)	0.15	Embanked height (m)	

If traseline lower than banktop break in slope, indicate: height (m) = 1.0 width (m) = 2.75

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES (indicate total number of each, appropriate box)**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Footbridges = 2 Roadbridges = 1

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Weed-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state): \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Loose debris  Fen  Flurb

**CROOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES  (will veg. cover)

**NOTABLE NATURAL PLANT SPECIES Use D or E (≥ 33% bank/pt)** IFE note LARGE STANDS of other eg

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick all Rhododendron bracken)

**GOVERNMENT GRASS CHARACTERISTICS (Circle appropriate words, add others, as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - siting - other? = FARMING

Land Management: set-aside - buffer strip - heathland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - longfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: straight resectioned channel through gravel sand

**ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive



BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6170

Mid-site grid reference of network site if different from designated location:

Grid Reference: 774973 River: RUTWOLD BECK

Date: 13/6/1996 Time: 11:50 Surveyor name: DEVLIN Accreditation code: P.F.8

Adverse conditions affecting survey? No  Yes  If yes, state

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/bowl  
 (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 29 Unvegetated point bars 1

Pools 34 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WARRIAM, NR20 6BB

TALLY (use JH) for - Riffles Pools Unveg. side bars Veg point bars

B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is: upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK: TICK if functional fence										
Material (M) NE,NO,CO,CS,EA,EL,EC,EP,WF,CL,MB,RP	EA	EA	EA	EA	BO	BO	EA	EA	EA	EA
Bank modification(s) (M) NE,NO,AS,RS,FC,MB,EM	NO									
Bank feature(s) (M) NE,NO,EC,SC,FP,VP,SE,VS	EC	NO	NO	SC	NO	NO	NO	NO	PR	EC
Channel substrate (M) NE,NO,CO,CS,EA,EL,EC,EP,WF,CL,MB,RP	GP	GP	GP	BE	BO	BO	BE	BO	GP	BO
Substrate shape (FL,OL,SL,SP,CU,PO,RL,DM, - etc)	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type (F) CH,SW,UP,CF,RP,UP,SH,WF,NO	NP	SM	UV	W	SM	RP	SM	SM	SM	SM
Channel modification(s) (M) NE,NO,CO,CS,EA,EL,EC,EP,WF,CL,MB,RP	NO									
Channel feature(s) (M) NE,NO,AS,RS,FC,MB,EM	NO	NO	NO	RO	RO	RO	RO	RO	NO	RO
RIGHT BANK: TICK if functional fence										
Material (M) NE,NO,CO,CS,EA,EL,EC,EP,WF,CL,MB,RP	EA	EA	EA	EA	EA	EA	EA	BO	EA	EA
Bank modification(s) (M) NE,NO,AS,RS,FC,MB,EM	NO									
Bank feature(s) (M) NE,NO,EC,SC,FP,VP,SE,VS	NO	EC	NO	EC	EC	EC	NO	EC	EC	NO
F. BANKTOP, LAND USE AND VEGETATION STRUCTURE (tick all assessed areas in 10m wide transect)										
Land use: choose one from M, CF, OR, MH, SC, TH, RP, IG, FL, WT, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	MH									
LEFT BANK-TOP (structure within 1m) (M) B, S, U, V, W, X, Y, Z	U									
LEFT BANK FACE (structure) (M) B, S, U, V, W, X, Y, Z	B	S	S	U	U	U	U	U	U	B
RIGHT BANK FACE (structure) (M) B, S, U, V, W, X, Y, Z	U	B	S	B	B	B	S	B	B	S
RIGHT BANK-TOP (structure within 1m) (M) B, S, U, V, W, X, Y, Z	S	S	S	U	S	U	S	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	MH									
G. CHANNEL VEGETATION TYPES (tick all assessed areas in 10m wide transect)										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

LAND USE WITHIN 5m OF BANKTOP (L) (tick all assessed areas in 10m wide transect)

	L	R		L	R
rough/mixed woodland (BL)					
Coniferous plantation (CF)					
Orchard (OR)					
woodland/heath (MH)	E	E			
rub (SC)					
self herb/ mud vegetation (TR)					
shrub/mossy field					
ritical/watercut					
Vertical + toe					
Steep (>45)					
ste					
emantic					

ASSOCIATED TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

None	Left <input checked="" type="checkbox"/>	Right <input type="checkbox"/>	None	Present <input type="checkbox"/>	Extensive <input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

Waterfall(s)	None <input checked="" type="checkbox"/>	Present <input type="checkbox"/>	Extensive <input type="checkbox"/>	Marginal deadwater	None <input type="checkbox"/>	Present <input type="checkbox"/>	Extensive <input type="checkbox"/>
Choked(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ran(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Oliver(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RIFFLE / GLIDE / POOL

CHANNEL DIMENSIONS (to be measured at bed site on a straight uniform section preferably across a riffle)

LEFT BANK	Banktop width (m)	2.00	RIGHT BANK	
Banktop height (m)	Water width (m)	1.75	Banktop height (m)	0.60
Embarked height (m)	Water depth (m)	0.10	Embarked height (m)	

If trashing lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

MANUSCRIPT FEATURES (tick all assessed areas in 10m wide transect)

None  Number of Cutverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State

FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pea  Flash

IS 33% OR MORE OF THE CHANNEL CHOKED WITH VEGETATION? NO  YES

DOMINANT VEGETATION PLANT SPECIES USE (tick 2-3% bank site) AND LARGE STANDS OF OTHER

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

OVERALL MANAGEMENT (tick appropriate box(es))

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - siting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: SMALL MODEL AND STREAM THROUGH MANAGED GROSS FLOOD

ALDERS (tick appropriate box(es))

Alders? None  Present  Extensive  Decayed Alders? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6171  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 916912 River: PICKERING BECK  
 Date: 13/6/1996 Time: 0920 Surveyor name: DEVILLE Accreditation code: PFR

Adverse conditions affecting survey? No  Yes  If yes, state SEE PAGE 4

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles 12 Unvegetated point bars 4  
 Pools 4 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE) for Rifles Pools Unveg. side bars Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is: upstream  downstream

LEFT BANK: TICK if functional fence

Material	WV	WJ	WU	WC	WV	WJ	WU	WC	WV	WJ	WU	WC
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Channel substrate: WV, WJ, WU, WC, WV, WJ, WU, WC, WV, WJ, WU, WC, WV, WJ, WU, WC

Substrate shape: FL, OF, DL, CL, PU, DL, Oth, -

Flow type: FT, CH, SW, LW, CF, RP, LP, SM, RP, NO

Channel modification(s): NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

Channel feature(s): NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO

RIGHT BANK: TICK if functional fence

Material	WV	WJ	WU	WC	WV	WJ	WU	WC	WV	WJ	WU	WC
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed across a 10m wide transect)**

Land use: choose one from BL, CP, DR, MH, SC, TH, RP, IG, TL, WL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m) BUSEC	S	S	S	C	S	S	S	C	S
LEFT BANK FACE (structure) BUSEC	B	S	U	C	S	S	B	B	S
RIGHT BANK FACE (structure) BUSEC	B	S	S	S	S	R	S	S	B
RIGHT BANK TOP (structure within 1m) BUSEC	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	IG	IG	BL	BL	BL

**G. CHANNEL VEGETATION (tick one box only)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs					
Emerg reeds/sedges/rushes					
Flowering-leaved (rooted)					
Fruo-floating					
Amphibious					
Submerged broad-leaved					
Submerg fine/linear-leaved					
Filamentous algae	<input checked="" type="checkbox"/>				

SITE NO. 6171 1996 RIVER HABITAT SURVEY: SOON SWEEP SURVEY

**H. BANKTOP LAND USE AND VEGETATION (tick one box only)**

Broadleaved woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - reed vegetation (TH)	<input checked="" type="checkbox"/>		Suburban/urban development (SU)		

**I. CHANNEL VEGETATION (tick one box only)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/unobscured	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe			Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**J. PRESENCE OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	0 (2.33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**K. CHANNEL VEGETATION (tick one box only)**

Waterfall(s)	None	Present E (%)	Marginal deadwater	None	Present E (%)
Concave(s)	<input checked="" type="checkbox"/>	0	Exposed bedrock	<input checked="" type="checkbox"/>	0
Rapid(s)	<input checked="" type="checkbox"/>	0	Exposed boulders	<input checked="" type="checkbox"/>	0
Riffles(s)	<input type="checkbox"/>	0	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	0
Race(s)	<input type="checkbox"/>	0	Vegetated mid-channel bar(s)	<input type="checkbox"/>	0
Bed(s)	<input checked="" type="checkbox"/>	0	Mature island(s)	<input type="checkbox"/>	0
Older(s)	<input type="checkbox"/>	0	Unvegetated side bar(s)	<input type="checkbox"/>	0
Pool(s)	<input type="checkbox"/>	0	Vegetated side bar(s)	<input type="checkbox"/>	0

Indicate predominant flow sequence (select up to three features): RIFFLE / RUN

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**L. CHANNEL DIMENSIONS (to be assessed at one site on a straight uniform occasion, preferably across a riffle)**

LEFT BANK	Banktop width (m)	6.25	RIGHT BANK	
Banktop height (m)	Water width (m)	4.00	Banktop height (m)	1.75
Embankment height (m)	Water depth (m)	0.15	Embankment height (m)	

If bankline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M. MARGINAL FEATURES**

None  Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Fords =

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State

**O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P. CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q. SIGNIFIANT RIBBON-LIKE PLANT SPECIES (tick one box)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**R. MAJOR IMPACTS (tick one box)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silt - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: SMALL RIVER WITH LOTS OF WOODY DEBRIS AT SITE 10 WAS UNACCESSIBLE DUE TO EXTREMELY DENSE GROWTH OF BLACKBERRY. WALKING UP RIVER NOT AN OPTION DUE TO DEEP POOLS/CLIFFS

**S. STANDERS (tick appropriate box(es))**

Alder? None  Present  Extensive  Deciduous Alder? None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary ? Navigation ?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6172  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 930916 River: WHITE BECK  
 Date: 12/16/1996 Time: 14:45... Surveyor name: DEVILLE Accreditation code: PF8  
 Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS, AND POINT BARS (indicate total number)**

Rifles 19 Unvegetated point bars 4  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAKERIM, 8H20 688

**TALLY (see IFE) for** Rifles Pools Unveg. side bars Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* = one entry only**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if functional fence										
Material <i>W, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z</i>	CL	CL	EA	EA	CL	EA	EA	CL	CL	CL
Bank modification(s) <i>ME, NO, RS, RP, SC, SH, SH, SH</i>	NO									
Bank feature(s) <i>W, NO, EC, SC, PR, VP, SI, VS</i>	NO	SC	CL	NO	EL	NO	SC	EL	PR	SC
<b>CHANNEL</b> <i>NEW g. substrate, deep pools, etc.</i>										
Channel substrate <i>W, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z</i>	CL	GP	GP	GP	GP	GP	GP	CL	GP	GP
Substrate shape <i>FL, OF, OL, SF, CU, PO, B, D, O, W, -</i>		IR	IK	IR	IR	IR	IR	IR	IR	IR
Flow type <i>FF, CH, SW, CF, RP, UP, SH, SP, NO</i>	RP	RP	RP	UN	UN	RP	RP	RP	UN	UN
Channel modification(s) <i>ME, NO, CV, AS, RI, DA, FO</i>	NO									
Channel feature(s) <i>W, NO, EC, SC, PR, VP, SI, VS</i>	NO	NO	NO	NO	RO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b> TICK if functional fence										
Material <i>W, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z</i>	CL	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>ME, NO, RS, RP, SC, SH, SH</i>	NO									
Bank feature(s) <i>W, NO, EC, SC, PR, VP, SI, VS</i>	NO	EL	SC	NO	NO	NO	NO	NO	NO	NO
<b>F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)</b>										
LEFT BANK-TOP (structure within 1m) <i>BL/SC</i>	S	S	S	S	S	S	S	S	B	S
LEFT BANK FACE (structure) <i>BL/SC</i>	S	S	S	S	B	S	S	B	B	S
RIGHT BANK FACE (structure) <i>BL/SC</i>	S	B	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) <i>BL/SC</i>	S	S	S	S	S	S	C	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	IG	IG	IG	IG	IG	IG	IG	BL	IG
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs <i>[V, E, W]</i>										
Emerg reeds/sedges/rushes										
Flotting-leaved (rooted)										
Froo-floating										
Amphibious										
Submerged broad-leaved										
Submerg floatleaf-leaved										
Filamentous algae										

ITE NO. 6172 1996 RIVER HABITAT SURVEY: SOON SWEEP UP

**LAND USE WITHIN 5m OF BANKTOP**

	L	R		L	R
medium/initial woodland (BL)			Rough pasture (RP)		
Uniform plantation (CP)			improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
lowland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
rub (SC)			Open water (OW)		
all herbs - rank vegetation (TH)			Suburban/urban development (SU)		

**ARTIFICIAL BANKTOPS**

sternl/unmodified	L	R	Artificial/modified	L	R
artificial/watercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
side			Reinforced - toe only		
stepside			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**PERCENT OF TREES AND ASSOCIATED FEATURES**

<b>TREES (tick one box per bank)</b>	Left	Right	<b>ASSOCIATED FEATURES (tick one box per feature)</b>	None	Present E (> 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-conscious	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**WATER QUALITY**

	None	Present E (2-33%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>
Overbank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RIFFLE / RUN

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS: (to be measured at one site on a straight uniform section, preferably across a riffle)**

<b>LEFT BANK</b>	Banktop width (m)	2.00	<b>RIGHT BANK</b>
Banktop height (m)	Water width (m)	1.80	Banktop height (m)
Embanked height (m)	Water depth (m)	0.15	Embanked height (m)

If tracheas lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL BANKTOPS**

None  Number of Culverts = Weirs = Footbridges = Outfalls = Fords =

In water imposed by weir/dam? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foa  Flush

**CROOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**CHARACTERISTIC PLANT SPECIES (tick all that apply) (IF YOU HAVE LARGE STANDS of others)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**OTHER CHARACTERISTICS (tick all that apply)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - siting - other? =

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: SMALL STREAM - SLIGHTLY MEANDERING.

**ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Dispersed Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and faucing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6173  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 125884 River: CROOKLEY DEE  
 Date: 9/5/1996 Time: 10:15 Surveyor name: DEVILLE Accreditation code: PFB  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  2 Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOLEE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

FALLY (use IFE) for Riffles Pools Unveg. Substr. Veg. point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

**LEFT BANK TICK if functional fauce**

Material	PE	RU	PE	RE	RO	EA	BO	DS	EA	EA
Bank modification(s)	NE,NO,RS,RI,PC,RA,EM	NU	NU	NU	NU	NU	NU	NU	NU	NU
Bank feature(s)	NY,NO,EC,SC,PR,VP,SR,VS	NU	NU	NU	NU	NU	NU	NU	NU	NU

**CHANNEL NEW - substrate shape codes**

Channel substrate: NY,RE,RO,CO,CP,SA,SP,OP,PEAR  
 Substrate shape: FL,OV,EL,SP,CU,PO,DR,Down,none  
 Flow type: FF,CH,SH,UN,CF,RP,UP,SW,AT,NO

Channel modification(s)	NE,NO,RS,RI,PC,RA,EM	NU	NU	NU	NU	NU	NU	NU	NU	NU
Channel feature(s)	NY,NO,RO,RI,VP,SR,VS	RO	RO	RO	NO	NO	NO	NO	NO	NO

**RIGHT BANK TICK if functional fauce**

Material	PE	RU	PE	RE	RO	EA	BO	DS	EA	EA
Bank modification(s)	NE,NO,RS,RI,PC,RA,EM	NU	NU	NU	NU	NU	NU	NU	NU	NU
Bank feature(s)	NY,NO,EC,SC,PR,VP,SR,VS	NO	SC	SC	NO	NO	NO	NO	SC	NO

**P BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RL,CP,OH,MH,SC,TH,RP,IG,FL,WL,UV,SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	WL	WL	RP	RP	RP	RP
LEFT BANK TOP (structure within 1m) BUI/SC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BUI/SC	S	S	S	U	U	S	S	B	S	U
RIGHT BANK FACE (structure) BUI/SC	S	S	S	U	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BUI/SC	S	S	S	U	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	WL	RP	RP	TH	TH	TH	TH	TH

**Q CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (precision) 500m catchment)**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. 6173 1996 RIVER HABITAT SURVEY: 500m SWEEP-UP Page 3 of 4

**R LAND USE WITHIN 5m OF BANKTOP (use E (≥ 33% banklength) or tick (precision) 500m catchment)**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' nest vegetation (TH)			Suburban/urban development (SU)		

**S ARTIFICIAL FEATURES (indicate total number, or tick appropriate box)**

None <input checked="" type="checkbox"/>	Number of Culverts =	Wires =	Outfalls =	Fords =
	Footbridges =	Roadbridges =	Other =	
Is water impounded by weir/dam? No <input checked="" type="checkbox"/> Yes, < 33% of site <input type="checkbox"/> > 33% of site <input type="checkbox"/>				

**N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? Silt

**O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/old channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q NOTABLE NUISANCE PLANT SPECIES Use E (≥ 33% banklength) IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle/Rhododendron

**R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey - egypt - sand martin - heron - dragonflies/damselflies

Other significant observations: ...

**S ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

Indicate predominant flow sequence (select up to three features): CASCADE / RAPID / POOL

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**J CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	3.10	RIGHT BANK	
Banktop height (m)	Water width (m)	3.00	Banktop height (m)	0.40
Embanked height (m)	Water depth (m)	0.50	Embanked height (m)	

If waterline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  outcrops

Location of measurement is: riffle  run or glide  other  (tick one box)

**N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? Silt

**O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/old channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q NOTABLE NUISANCE PLANT SPECIES Use E (≥ 33% banklength) IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle/Rhododendron

**R OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey - egypt - sand martin - heron - dragonflies/damselflies

Other significant observations: ...

**S ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6174  
 Mid-site grid reference of network site if differs from designated location:

Grid Reference: 233867 River: KIRKBY POOL  
 Date: 9/5/1996 Time: 16:00 Surveyor name: DEVILLE Accreditation code: PFB

Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (Indicate total number)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* = one entry only**

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if functional fence										
Material <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> S <input type="checkbox"/> L <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> P <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> M <input type="checkbox"/> C	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> S <input type="checkbox"/> L <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> P <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> M <input type="checkbox"/> C	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Bank feature(s) <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> S <input type="checkbox"/> L <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> P <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> M <input type="checkbox"/> C	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b> NEW: substitute shape codes in: <input type="checkbox"/> FL <input type="checkbox"/> OV <input type="checkbox"/> EL <input type="checkbox"/> SP <input type="checkbox"/> CU <input type="checkbox"/> PO <input type="checkbox"/> TR <input type="checkbox"/> Other: _____	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Channel substrate: <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> S <input type="checkbox"/> L <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> P <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> M <input type="checkbox"/> C	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Flow type: <input type="checkbox"/> FL <input type="checkbox"/> OV <input type="checkbox"/> EL <input type="checkbox"/> SP <input type="checkbox"/> CU <input type="checkbox"/> PO <input type="checkbox"/> TR <input type="checkbox"/> Other: _____	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> S <input type="checkbox"/> L <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> P <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> M <input type="checkbox"/> C	NK	NK	NK	NK	NK	NK	NK	NK	NK	NK
Channel feature(s) <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> S <input type="checkbox"/> L <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> P <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> M <input type="checkbox"/> C	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b> TICK if functional fence										
Material <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> S <input type="checkbox"/> L <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> P <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> M <input type="checkbox"/> C	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> S <input type="checkbox"/> L <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> P <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> M <input type="checkbox"/> C	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES
Bank feature(s) <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> C <input type="checkbox"/> G <input type="checkbox"/> S <input type="checkbox"/> L <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> S <input type="checkbox"/> P <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> M <input type="checkbox"/> C	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, PI, RP, IG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) <input type="checkbox"/> BL <input type="checkbox"/> CP <input type="checkbox"/> OR <input type="checkbox"/> MH <input type="checkbox"/> SC <input type="checkbox"/> PI <input type="checkbox"/> RP <input type="checkbox"/> IG <input type="checkbox"/> IL <input type="checkbox"/> WL <input type="checkbox"/> OW <input type="checkbox"/> SU	U	S	S	S	S	S	S	S	S	U
LEFT BANK FACE (structure) <input type="checkbox"/> BL <input type="checkbox"/> CP <input type="checkbox"/> OR <input type="checkbox"/> MH <input type="checkbox"/> SC <input type="checkbox"/> PI <input type="checkbox"/> RP <input type="checkbox"/> IG <input type="checkbox"/> IL <input type="checkbox"/> WL <input type="checkbox"/> OW <input type="checkbox"/> SU	S	S	S	S	U	U	S	S	S	U
RIGHT BANK FACE (structure) <input type="checkbox"/> BL <input type="checkbox"/> CP <input type="checkbox"/> OR <input type="checkbox"/> MH <input type="checkbox"/> SC <input type="checkbox"/> PI <input type="checkbox"/> RP <input type="checkbox"/> IG <input type="checkbox"/> IL <input type="checkbox"/> WL <input type="checkbox"/> OW <input type="checkbox"/> SU	S	S	S	S	U	U	S	S	S	U
RIGHT BANK TOP (structure within 1m) <input type="checkbox"/> BL <input type="checkbox"/> CP <input type="checkbox"/> OR <input type="checkbox"/> MH <input type="checkbox"/> SC <input type="checkbox"/> PI <input type="checkbox"/> RP <input type="checkbox"/> IG <input type="checkbox"/> IL <input type="checkbox"/> WL <input type="checkbox"/> OW <input type="checkbox"/> SU	S	S	S	S	U	U	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

**G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 50cm<sup>2</sup> circle)**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs <input type="checkbox"/> CALT										
Emerg reeds/sedges/rushes <input type="checkbox"/> PUNL	E	E		E	E	E	E			E
Floating leaved (rooted) <input type="checkbox"/> CLK				E						
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

**LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or tick (present))**

Open/mixed woodland (BL)							
Coniferous plantation (CP)							
Orchard (OR)							
Woodland/heath (MH)							
Marsh (SC)							
Herbs' reed vegetation (TH)							
Rough pasture (RP)							
Improved/semi-improved grass (IG)				E	E		
Tilled land (TL)							
Wetland (eg bog, marsh, fen) (WL)							
Open water (OW)							
Suburban/urban development (SU)							

**ARTIFICIAL/MODIFIED**

Artificial/modified	L	R	Artificial/modified	L	R
Reinforced			Reinforced - whole bank		
Reinforced - top only			Reinforced - top only		
Reinforced - toe only			Reinforced - toe only		
Artificial two-stage			Artificial two-stage		
Poached			Poached		
Embanked			Embanked	E	E
Set-back embankments			Set-back embankments		

**EXTENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)

None	Left	Right	None	Present E (≥ 33%)
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Course woody debris	<input type="checkbox"/>

**TRIBUTARY CHANNEL FEATURES**

Waterfall(s)	None	Present E	Marginal dead-water	None	Present E (≥ 33%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

note predominant flow sequence (select up to three features): G, U, DC

**J CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	12.0	RIGHT BANK	
Banktop height (m)	0.5	Water width (m)	7.0	Banktop height (m)
Embanked height (m)	2.0	Water depth (m)	UNKN	Embanked height (m)
				1.5

If trashing lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**K PHYSICAL FEATURES (Circle appropriate words, add others as necessary)**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**L EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Wood cutting   
 Enhancement  Other? Silt

**M FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fox  Flush

**N CROCKED CHANNEL (tick one box)**

Is 33% or more of the channel clogged with vegetation? NO  YES

**O NOTABLE NUISANCE PLANT SPECIES (Use D or E (≥ 33% banklength)) IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**P PHYSICAL CHARACTERISTICS (Circle appropriate words, add others as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overexcavating - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - bedland - abandoned land - partland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: EMBANKED AND EMBANKED SMALL DUCK IN BEDLAND PASTURE LAND

**S ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ (soft geology code) \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? **NO**  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: **6177**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: **STAINTON BECK**  
 Date: **11/6/1996** Time: **8:51** Surveyor name: **DUNN** Accreditation code: **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph; general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. DOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. CHANNEL VEGETATION, POOLS AND POINT BARS**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BA

**1996 RIVER HABITAT SURVEY WITH USE EVIDENCE FOR PLANT GENERA AND FUNCTION Page 2 of 4**

**VEGETATION ATTRIBUTES**

Species	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK VEGETATION**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**P. BANKTOP LAND USE AND VEGETATION STRUCTURE**

Land use	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK TOP (Structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (Structure) BAUSC	U	B	S	S	S	S	S	S	S
RIGHT BANK TOP (Structure within 1m) BAUSC	C	C	S	S	C	C	S	S	B
RIGHT BANK FACE (Structure) BAUSC	U	B	S	S	S	S	S	S	U

**Q. CHANNEL VEGETATION**

Plant Genus	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent sedge/reed/rushes										
Flowering leaved (rotated)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Rhizomatous algae										

Site No: **6177**

Bank	L	R	Bank	L	R
Broad/limited woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Overland (OL)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (ag bog, marsh, fen) (WL)		
Scrub (SQ)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/ARTIFICIAL**

Bank	L	R	Bank	L	R
Natural/unmodified			Artificial/modified		
Vertical/unmodified			Reinforced		
Vertical + toe			Reinforced - whole bank		
Scarp (>45°)			Reinforced - top only		
Gratic			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

**TRACES (tick one box per bank)**

Bank	Left	Right	Associated Features (tick one box per feature)	None	Present E (>1%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/restricted	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, slight	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional change	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Some continuous	<input type="checkbox"/>	<input type="checkbox"/>	Felices trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS**

Bank	Left	Right	None	Present E (>2.5%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal downriver	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>
Knot(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): \_\_\_\_\_

**CHANNEL DIMENSIONS**

Banktop width (m)	5.5	RIGHT BANK	
Banktop height (m)	0.4	Water width (m)	4.5
Banktop height (m)	0.75	Water depth (m)	0.12
Embanked height (m)		Embanked height (m)	

If bankline lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site is: unconsolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL FEATURES**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Roadbridges = 2 Other = 0  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**CHANNEL MANAGEMENT**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**CHANNEL VEGETATION**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Broad/wide channel  Natural open water  Cut   
 Debris dams  Water cascades  Marsh   
 Loose debris  Flots  Fleets

Is 33% or more of the channel choked with vegetation? NO  YES

**CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other: *Hedera Rhododendron laureum*

**CHANNEL VEGETATION**

Management: *cut bank*, buffer strip, bankland, channel lead, putland, MoD, other = \_\_\_\_\_  
 Animals: *weir*, *cut*, *water vole*, *kingfisher*, *dipper*, *grey heron*, *reed martin*, *heron*, *drainage/drainage*  
 Other significant observations: *cut bank of channel plan*

ALTER? None  Precast  Extensive  Disused Alders? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6180

Mid-site grid reference of network site if different from designated location:

Grid Reference: 837924 River: OUGHTER SHAW BECK  
 Date: 28.5.1996 Time: 1.3.30. Surveyor name: M. de V. Accreditation code: PFS

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)

(duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/bowl  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain  
 (If U-shaped glacial valley - add "U")

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS, AND POINT BARS (indicate total number)

Riffles 0 Unvegetated point bars 0

Pools 32 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

TALLY (use IPE) for: Riffles Pools 32 Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK: TICK if functional fence										
Material (M, AE, NO, CO, CL, EA, PE, CL, CC, SF, WF, GA, BR, BR, BV)	CO	CO	CO	CO	CO	CO	EA	EA	EA	EA
Bank modification(s) (M, NO, AS, RI, FC, BR, EN)	NO	NO	NO	NO	NO	NO	RS	RS	RS	NO
Bank feature(s) (M, NO, EC, SC, PE, VP, SB, VS)	NO	NO	NO	NO	NO	NO	EC	EC	NO	NO
Channel substrate (M, AE, NO, CO, CL, EA, PE, CL, CC, SF, WF, GA, BR, BR, BV)	CO	CO	RO	RO	CO	CO	CO	CO	CO	GP
Substrate shape (FL, OY, EL, SP, CU, PO, BR, Othrs) (M)	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type (FT, CH, BR, UN, CU, SP, UP, SM, NP, NO)	RP	SM	NP	UN	RP	RP	UN	UN	NP	NP
Channel modification(s) (M, NO, CV, AS, RI, DA, FO)	NO									
Channel feature(s) (M, NO, RO, NR, VB, MI, FR)	RO	RO	RO	RO	RO	RO	RO	RO	NO	NO
RIGHT BANK: TICK if functional fence										
Material (M, AE, NO, CO, CL, EA, PE, CL, CC, SF, WF, GA, BR, BR, BV)	CO	CO	RO	RO	CO	CO	EA	EA	EA	EA
Bank modification(s) (M, NO, AS, RI, FC, BR, EN)	NO	NO	NO	NO	NO	NO	RS	RS	RS	NO
Bank feature(s) (M, NO, EC, SC, PE, VP, SB, VS)	NO	NO	NO	NO	NO	NO	EC	NO	NO	NO

F, BANETOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CF, DR, NH, SC, TH, RP, AG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP									
LEFT BANK-TOP (structure within 1m) (B, U, S, C)	S	S	S	U	S	S	S	S	S	S
LEFT BANK FACE (structure) (B, U, S, C)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) (B, U, S, C)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) (B, U, S, C)	S									
LAND USE WITHIN 5m OF BANK TOP (R)	RP									

CHANNEL VEGETATION TYPES (10m wide transect: E (2-3% area) or tick (presence) since 1996)

NONE / PLANT GENERA - list first 5										
Phytoplankton										
Emerg broad-leaved herbs (L, V, L, O)										
Emerg reeds/edges/rushes (T, M, C, G, E)										
Floating-leaved (rooted)										
Free-floating										
Amphibious (L, A, N, V)										
Submerged broad-leaved										
Submerg float-leaved (L, G, L, V, C)										
Filamentous algae										

LAND USE WITHIN 5m OF BANKTOP (Use E (2-3% banklength) or tick (presence) since 1996)

	L	R		L	R
woodland/mixed woodland (BL)			Rough pasture (RP)	E	E
coarse grazing (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
woodland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)	E	E
reeds (RC)			Open water (OW)		
all other land vegetation (TH)			Suburban/urban development (SU)		

ARTIFICIAL/STRUCTURAL FEATURES (tick appropriate box(es))

barbed/unmodified	L	R	Artificial/modified	L	R
ribs/undercut			Reinforced	E	E
ribbed + toe			Reinforced - whole bank		
Slope (>45°)	E	E	Reinforced - top only		
pile			Reinforced - toe only		
apex			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per band)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥33%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scrub/contiguous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

OTHER VEGETATION FEATURES

Waterfall(s)	None	Present E (≥33%)	Marginal deadwater	None	Present E (≥33%)
Cascade(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sail(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): CASCADE/POOL

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	0.9	RIGHT BANK	
Banktop height (m)	Water width (m)	0.9	Banktop height (m)	0.5
Embanked height (m)	Water depth (m)	0.2	Embanked height (m)	

If banking lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

ARTIFICIAL FEATURES (tick appropriate box(es))

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other = 1 FORM (SOG-E)

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? State:

FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None	Artificial open water	Bog	Other (state)
Waterfalls > 5m high	Natural open water	Carr	
Braided/side channels	Water meadow	Marsh	
Debris dams	Fen	Flush	
Leafy debris			

CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

NOTABLE NUISANCE PLANT SPECIES (Use U, E (≥33% banklength), IFE note LARGE STANDS of other eg)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron bracken

PROVINCIAL CHARACTERISTICS (Circle appropriate word, and delete as necessary)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: other - mink - water vole - kingfisher - dippers - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Stream bisected by debris - upper reach steep and dominated by conifers at pool; water reach flowing out and possibly moving at responding to mid-range; lots of Insects going in surrounding land.

ADDITIONS (tick appropriate box(es))

Alms? None  Present  Extensive  Discarded Alms? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6182  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: 090 894 River: URE  
 Date: 20.5.1996 Time: 10.00... Surveyor name: D. V. L. Accreditation code: P.F.S.  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles: 2 Unvegetated point bars: 0  
 Pools: 0 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use IFE) for: Riffles  Pools  Unveg. side bars  Veg. point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) (in one entry only)**

Spot check 1 is: upstream  downstream

LEFT BANK	TICK if functional fence	1	2	3	4	5	6	7	8	9	10
Material: MV, ME, NO, CO, CS, CA, PE, CL, CC, SP, PP, GA, BA, BA, BF	EA	EA	EA	BA	BA	BA	BA	BA	BA	BA	BA
Bank modification(s): ME, NO, AS, RI, FC, BA, EM	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
Bank feature(s): MV, NO, EC, SC, FC, PV, SB, VS	NO										

**CHANNEL** NEW: Substrate shape:  NEW: Substrate shape:

CHANNEL	Substrate	1	2	3	4	5	6	7	8	9	10
Channel substrate: MV, ME, NO, CO, CS, CA, PE, CL, CC, SP, PP, GA, BA, BA, BF	CO	CO	NO	GP	NO	NO	NO	NO	NO	NO	NO
Substrate shape: FL, OV, EL, SP, CU, PD, FR, Others: none	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type: FT, CH, SW, LV, CF, RP, UF, SP, SM, PD	CF	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

**RIGHT BANK** TICK if functional fence: 2m 2m 2m

Material: MV, ME, NO, CO, CS, CA, PE, CL, CC, SP, PP, GA, BA, BA, BF	EA	EA	GS	GS	EA	EA	EA	EA	EA	EA	EA
Bank modification(s): ME, NO, AS, RI, FC, BA, EM	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
Bank feature(s): MV, NO, EC, SC, FC, PV, SB, VS	NO										

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from: BL, CP, OR, MH, SC, TH, RP, IG, TL, VE, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
LEFT BANK-TOP (structure within 1m) BUISC	S	U	U	S	U	S	S	U	S	S	S
LEFT BANK FACE (structure) BUISC	S										
RIGHT BANK FACE (structure) BUISC	C	S	B	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BUISC	S										
LAND USE WITHIN 5m OF BANKTOP (R)	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G

**G CHANNEL VEGETATION TYPES (to be assessed at 20m intervals over the transect) (tick appropriate)**

NONE	PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens											
Emerg broad-leaved herbs	IC, ML, O, DM										
Emerg reeds/sedges/rushes	P, M, A, L										
Flowering-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerg float/linear-leaved											
Filamentous algae											

1996 RIVER HABITAT SURVEY 300m SWEEP UP Page 3 of 4

**LAND USE WITHIN 5m OF BANKTOP (to be assessed at 20m intervals over the transect)**

LAND USE	L	R	LAND USE	L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - reed vegetation (TH)			Suburban/urban development (SU)		

**BANK ROADS**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**EVIDENCE OF TREES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

None	<input type="checkbox"/>	Right	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>		<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>		<input type="checkbox"/>
Discontinuous clump	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>		<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>		<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Shading of channel	<input type="checkbox"/>	None	<input type="checkbox"/>	Present E (≥ 33%)	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>
Exposed herbicide roots	<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>

**LIST OF CHANNEL FEATURES**

Waterfall(s)	None	Present E (≥ 11%)	Present E (≥ 33%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): LWN / UFFIE / G.LIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	48.00	RIGHT BANK	Banktop height (m)	2.00
Banktop height (m)	Water width (m)	40.00	Banktop height (m)	Embanked height (m)	3.00
Embanked height (m)	Water depth (m)	0.50	Embanked height (m)		

If trapezoid lower than banktop break in slope, indicate: height (m) = 1.75 width (m) = 47.00

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL VEGETATION TYPES (to be assessed at 20m intervals over the transect)**

None  Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Fords =

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Wood cutting   
 Enhancement  Other? State: \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (static)   
 Briddled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE NUISANCE PLANT SPECIES Use 0 or E (≥ 33% bank/gh) IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle/Rhododendron/bracken

**GENERAL CHARACTERISTICS (Circle appropriate and provide details in comments)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - siltation - other? = \_\_\_\_\_

Land Management: set-aside - buffer strip - broadland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: other - mink - water vole - kingfisher (slipper) grey egret - sand martin - heron - dragonflies/damselflies

Other significant observations: WIDE FAST FLOWING RIVER BEHIND BRICKS RESECTION IN THE PAST WITH SET BACK EMBANKMENT ABOUT 20m BACK FROM RIVER BELOW BRICKS. GENERALLY GETTING FURTHER AWAY UPSTREAM (DOWN ON RIGHT BANK) BECOMING MORE OF AN EMBANKMENT SIGN OF EXTENSIVE FLOODING IN WIDE PLAIN ON RIGHT BANK.

**SALDERS (tick appropriate box(es))**

Alters? None  Present  Extensive  Disused Alters? None  Present  Extensive

REMARKS: PRESENT ON EIGHT BANK IN SMALL AMOUNTS. SOME BANKS OF WHICH STICK TOGETHER WITH WIDE LAID DOWN ON RIGHT BANK NEAR SECTION 1 & 2 FOR REINFORCEMENT.





1996 RIVER HABITAT SURVEY with IFE mods for plant genera and coding Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. SURVEY DETAILS**

Reference network site number: 6185  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: INGS GOLT  
 Date: 2/1/1996 Time: 11:30 Surveyor name: DE VILLE Accreditation code: PFR

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles 0 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6SR

1996 RIVER HABITAT SURVEY - SPOT CHECKS Page 2 of 4

TALLY (see ID) for Rifles Pools Unveg. side bars Veg point bars

**BIOPHYSICAL ATTRIBUTES (to be assessed across channel width at a single uniform section, preferably across a riffle) (in one box only)**

Spot check 1 is: upstream  down-river

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material <sup>W, M, B, C, G, L, F, P, S, R, U, V, Y, Z</sup> (functional focus)	EA									
Bank modification(s) <sup>W, M, B, C, G, L, F, P, S, R, U, V, Y, Z</sup>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <sup>W, M, B, C, G, L, F, P, S, R, U, V, Y, Z</sup>	NO									
<b>CHANNEL</b>										
Channel substrate <sup>W, M, B, C, G, L, F, P, S, R, U, V, Y, Z</sup>	S1									
Substrate shape <sup>FL, OF, BL, BU, CU, FO, R, Other - use</sup>										
Flow type <sup>FL, OF, BL, BU, CU, FO, R, Other - use</sup>	SM									
Channel modification(s) <sup>W, M, B, C, G, L, F, P, S, R, U, V, Y, Z</sup>	NO									
Channel feature(s) <sup>W, M, B, C, G, L, F, P, S, R, U, V, Y, Z</sup>	NO									
<b>RIGHT BANK</b>										
Material <sup>W, M, B, C, G, L, F, P, S, R, U, V, Y, Z</sup> (functional focus)	EA									
Bank modification(s) <sup>W, M, B, C, G, L, F, P, S, R, U, V, Y, Z</sup>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <sup>W, M, B, C, G, L, F, P, S, R, U, V, Y, Z</sup>	NO	NO	NO	SC	SC	SC	SC	SC	SC	SC

**E. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CL, CR, KH, SC, TH, U, V, W, Y, Z

<b>LAND USE WITHIN 5m OF BANKTOP (L)</b>	BL	BL	BL	TL	TL	TL	TL	TL	TL	TL
<b>LEFT BANK TOP (structure within 1m) <sup>W, M, B, C, G, L, F, P, S, R, U, V, Y, Z</sup></b>	S	S	U	S	S	S	S	S	U	S
<b>LEFT BANK FACE (structure) <sup>W, M, B, C, G, L, F, P, S, R, U, V, Y, Z</sup></b>	S									
<b>RIGHT BANK FACE (structure) <sup>W, M, B, C, G, L, F, P, S, R, U, V, Y, Z</sup></b>	S	S	S	S	C	C	C	C	C	C
<b>RIGHT BANK TOP (structure within 1m) <sup>W, M, B, C, G, L, F, P, S, R, U, V, Y, Z</sup></b>	S	S	S	C	C	S	S	S	C	
<b>LAND USE WITHIN 5m OF BANKTOP (R)</b>	TH	TH	TH	TL	TL	TL	TL	TL	TL	TL

**F. CHANNEL VEGETATION (tick one box only)**

NONE  PLANT GENERA - list first 5

Bryophytes/licheens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes <sup>SP, P, M, A, W</sup>										
Floating-leaved (rooted)										
Free-floating										
Amphibious <sup>K, M, A, W</sup>										
Submerged broad-leaved										
Submersed float-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at the site on a straight uniform section, preferably across a riffle)**

<b>LEFT BANK</b>		Banktop width (m)	3.00	<b>RIGHT BANK</b>	
Banktop height (m)	0.80	Water width (m)	2.50	Banktop height (m)	0.80
Embarked height (m)	1.50	Water depth (m)	0.40	Embarked height (m)	1.50

If bankline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURAL FEATURES (tick one box only)**

None  Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Forde =  
 Is water impounded by weir/dam?  No  Yes, < 33% of site  > 33% of site

**PREVALENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State:

**PREVALENCE OF ANIMALS, INFLUENCES (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Bridged/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Lusty debris  Foss  Flush

**CROOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NON-INDIGENOUS PLANT SPECIES OTHER THAN IFE (tick one box)**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? Name: Rhododendron fraxinea

**OVERCAST CHANNEL CHARACTERISTICS (tick one box)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - minnow - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: \*Totally excavated channel, deadwood but some (leafy) branches of this size show a stream running under the main channel which is not visible from above. Some time ago water in the main channel was impounded by debris so some water to be drawn into a side channel for 3-4 meters. Old ledge line on right bank showing on public footpath.

**ALTERS (tick appropriate box(es))**

Alter? None  Present  Extensive  Discontinued Alters? None  Present  Extensive

indicating predominant flow sequence (select up to three features): G, L, D, E

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at the site on a straight uniform section, preferably across a riffle)**

<b>LEFT BANK</b>		Banktop width (m)	3.00	<b>RIGHT BANK</b>	
Banktop height (m)	0.80	Water width (m)	2.50	Banktop height (m)	0.80
Embarked height (m)	1.50	Water depth (m)	0.40	Embarked height (m)	1.50

If bankline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURAL FEATURES (tick one box only)**

None  Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Forde =  
 Is water impounded by weir/dam?  No  Yes, < 33% of site  > 33% of site

**PREVALENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State:

**PREVALENCE OF ANIMALS, INFLUENCES (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Bridged/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Lusty debris  Foss  Flush

**CROOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NON-INDIGENOUS PLANT SPECIES OTHER THAN IFE (tick one box)**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? Name: Rhododendron fraxinea

**OVERCAST CHANNEL CHARACTERISTICS (tick one box)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - minnow - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: \*Totally excavated channel, deadwood but some (leafy) branches of this size show a stream running under the main channel which is not visible from above. Some time ago water in the main channel was impounded by debris so some water to be drawn into a side channel for 3-4 meters. Old ledge line on right bank showing on public footpath.

**ALTERS (tick appropriate box(es))**

Alter? None  Present  Extensive  Discontinued Alters? None  Present  Extensive

indicating predominant flow sequence (select up to three features): G, L, D, E

1996 RIVER HABITAT SURVEY with IFE mods (for plant genera and fencing) Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6188  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 67752 River: HODGE CREEK  
 Date: 11/10/1996 Time: 11:30 Surveyor name: DEVILLE Accreditation code: PFB

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS, AND POINT BARS (indicate total number)**

Riffles 0 Unvegetated point bars 0  
 Pools 2 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use IFE) for: Riffles Pools Unveg. side bars Veg. point bars

**I. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK: TICK if functional focus	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material <sup>WV, BL, BO, CO, CL, GL, PL, CL, CC, SP, WF, CL, M, L, B, W</sup>	EA									
Bank modification(s) <sup>NE, NO, AS, SP, PC, BM, EM</sup>	NO									
Bank feature(s) <sup>WV, NO, EC, SC, FB, VP, SB, VS</sup>	NO	NO	EC	NO	NO	EC	NO	NO	NO	NO
Channel substrate <sup>WV, BL, BO, CO, CL, GL, PL, CL, CC, SP, WF, CL, M, L, B, W</sup>	BE	CO	CO	GP	GP	GP	GP	GP	GP	GP
Substrate shape <sup>FL, OV, EL, SP, CU, FO, R, Others - none</sup>	IR	IR	R	R	IR	IR	IR	IR	IR	IR
Plan type <sup>FL, CH, SW, LW, CL, SP, UP, DN, NP, NO</sup>	NP	NP	NP	NP	NO	NO	NO	NO	NO	NP
Channel modification(s) <sup>NE, NO, CV, BS, DM, DP</sup>	NO									
Channel feature(s) <sup>WV, NO, AS, SP, PC, BM, EM</sup>	NO	NO	NO	MB	NO	NO	NO	NO	NO	NO
RIGHT BANK: TICK if functional focus	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material <sup>WV, BL, BO, CO, CL, GL, PL, CL, CC, SP, WF, CL, M, L, B, W</sup>	BE	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>NE, NO, AS, SP, PC, BM, EM</sup>	NO									
Bank feature(s) <sup>WV, NO, EC, SC, FB, VP, SB, VS</sup>	NO	NO	SC	NO	NO	EC	SC	SC	SC	SC

**E. BANKTOP, LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, CR, MH, SC, TH, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	CL	SC	IG	IG	IG	IG	IG	IG	RP
LEFT BANK-TOP (structure within 1m) <sup>NUISC</sup>	S									
LEFT BANK FACE (structure) <sup>NUISC</sup>	S	S	B	S	S	B	B	B	S	S
RIGHT BANK FACE (structure) <sup>NUISC</sup>	S	S	S	S	S	B	S	B	B	B
RIGHT BANK-TOP (structure within 1m) <sup>NUISC</sup>	C	S	C	S	S	S	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	CL	CL	IG	IG	IG	RP	IG	SC	BL

**F. CHANNEL VEGETATION (tick appropriate box(es))**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/mudgrasses/rushes										
Floating-leaved (rooted)										
Free-floating										
Arthropods										
Submerged broad-leaved										
Submerged free-floating-leaved										
Filamentous algae										

SITE NO. 6188 1996 RIVER HABITAT SURVEY: CHANNEL SWEB

**LAND USE WITHIN 5m OF BANKTOP (tick appropriate box(es))**

	L	R		L	R
Broadleaved woodland (BL)	✓	✓	Rough pasture (RP)	✓	✓
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' reed vegetation (TH)			Suburban/urban development (SU)		

**CHANNEL VEGETATION (tick appropriate box(es))**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/wedged	✓	✓	Reinforced		
Vertical + toe			Reinforced - whole bank	✓	✓
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite	E	✓	Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**ASSESSMENT OF TREES AND ASSOCIATED FEATURES (tick one box per bank)**

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/watered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**ASSESSMENT OF SPECIAL INTEREST (tick appropriate box(es))**

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (≥ 33%)
✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
✓	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
✓	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
✓	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
✓	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
✓	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
✓	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
✓	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Pool (STAGNANT)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	4.70	RIGHT BANK	Banktop width (m)	4.70
Banktop height (m)	0.75		Banktop height (m)	1.50	
Embedded height (m)	0.30		Embedded height (m)	0.30	

If banktop lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL VEGETATION (tick appropriate box(es))**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Foodbridges = Roadbridges =  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**RECORDS OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State:

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Bridled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**UNUSUAL PLANT SPECIES OR OTHER PLANT STANDS (tick appropriate box(es))**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron brachne

**OVERALL CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - siting - other? =

Land Management: set-back - buffer strip - headland - abandoned land - partland - MaD - other? =

Animals: other - fish - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: HARDLY ANY WATER IN THIS SITE ANY WHAT THERE IS COMES FROM A SPRING IN THE RIGHT BANK JUST ABOVE THE ROUGH BEARER BELOW SITE 4. FURTHER UPSTREAM WAS UNDER CUT LIMESTONE CLIFF AND BEDROCK IN THE CHANNEL UNDER OLD RAILWAY BRIDGE. LOTS OF HOLEY STAMPS (tick appropriate box(es))

Alerts? None  Present  Extensive  Discussed Alerts? None  Present  Extensive

10 CLIFF AND SOME NETS.

BACKGROUND MAP-BASED INFORMATION

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6189  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 708870 River: CATTEY BECK

Date: 11/16/1996 Time: 13:30 Surveyor name: DEVILLE Accreditation code: PTB  
 Cent. Birthday:

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

	<input type="checkbox"/> shallow vee		<input type="checkbox"/> concave/bowl (if U-shaped glacial valley - odd 'U')
	<input checked="" type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
	<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS? (indicate total number)

Riffles 12 Unvegetated point bars 1  
 Pools 6 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOLEE, WAREHAM, BH20 6BB

TALLY (use JHS) for - Riffles Pools Unveg. side bars Veg point bars

BIOPHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* = one entry only

Spot check 1 is: upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK: TICK if functional fence	EA	EA	EA	NV	EA	RR	CO	EA	BE	EA
Material <sup>W, BE, BO, CO, GP, GR, L, CL, CP, SP, W, CL, BE, RR, NV</sup>	EA	EA	EA	NV	EA	RR	CO	EA	BE	EA
Bank modification(s) <sup>KE, NO, AS, RI, FC, BM, DN</sup>	NO									
Bank feature(s) <sup>W, NO, L, SC, P, VP, SB, VS</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <sup>W, BE, BO, CO, GP, GR, L, CL, CP, SP, W, CL, BE, RR, NV</sup>	GP	GP	GP	CO	GP	BO	CO	SI	GP	NV
Substrate shape <sup>FL, OV, EL, SP, CU, PO, R, O, DM, ...</sup>	1L	1L	1L	1L	1R	1R	1R	1R	1R	1R
Flow type <sup>FF, CH, SW, UN, CP, SP, UP, SM, PT, NO</sup>	RP	RP	UP	UP	UP	RI	RP	SM	UP	SM
Channel modification(s) <sup>KE, NO, CV, AS, RI, DN, FD</sup>	NO									
Channel feature(s) <sup>W, NO, NO, NB, VB, NI, TR</sup>	NO	RO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: TICK if functional fence	EA	BE	EA	BE	EA	EA	EA	EA	EA	EA
Material <sup>W, BE, BO, CO, GP, GR, L, CL, CP, SP, W, CL, BE, RR, NV</sup>	EA	BE	EA	BE	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>KE, NO, AS, RI, FC, BM, DN</sup>	NO									
Bank feature(s) <sup>W, NO, L, SC, P, VP, SB, VS</sup>	NO	SC	SC	SC	NO	NO	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CL, OR, NH, SC, TH, ST, NO, TL, WL, OW, SW

LAND USE WITHIN 5m OF BANKTOP (L)	SC	BL	BL	BL	BL	SC	BL	BL	IG	IG
LEFT BANK-TOP (structure within 1m) <sup>BL/SC</sup>	S	S	SM	S	C	B	S	S	S	S
LEFT BANK FACE (structure) <sup>BL/SC</sup>	S	B	S	S	S	B	S	S	S	S
RIGHT BANK-TOP (structure) <sup>BL/SC</sup>	S	B	S	S	C	S	S	C	C	C
RIGHT BANK-TOP (structure within 1m) <sup>BL/SC</sup>	S	C	S	S	C	C	S	C	C	C
LAND USE WITHIN 5m OF BANKTOP (R)	BL	SC	SC	SC	BL	B	SC	SC	BL	BL

VEGETATION AND FLORA (tick appropriate box(es))

NONE / PLANT GENERA - Est first 5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/lichens				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

TE NO. 6189 1996 RIVER HABITAT SURVEY: SOON'S WEBB

LAND USE WITHIN 200 METERS OF BANKTOP

	L	R		L	R
woodland/natural woodland (BL)	E	E	Rough pasture (RP)		
uniform plantation (CP)			improved/semi-improved grass (IG)		<input checked="" type="checkbox"/>
Orchard (OK)			Tilled land (TL)		
woodland/heath (NH)			Wetland (eg bog, marsh, fen) (WL)		
scrub (SC)	<input checked="" type="checkbox"/>	E	Open water (OW)		
fall herbs, mud, vegetation (HS)			Suburban/urban development (SU)		<input checked="" type="checkbox"/>
Artificial/modified	L	R	Artificial/modified flood	L	R
retained/undisturbed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
side	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Post-bed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set-back embankments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

PRESENT OR TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WATERBODIES AND CHANNELS

	None	Present E		None	Present E (>33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overbank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Race(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Grate(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

icate predominant flow sequence (select up to three features): Riffle/Pool

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at mid site or a straight section, preferably across a riffle)

LEFT BANK	Banktop width (m)	<u>8.50</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>5.50</u>	Banktop height (m)	<u>1.50</u>
Embanked height (m)	Water depth (m)	<u>0.15</u>	Embanked height (m)	<input checked="" type="checkbox"/>

If transition lower than banktop break in slope, indicate: height (m) = 0.60 width (m) = 6.75

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

ARTIFICIAL FEATURES

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 1 (Foresty Track)  
 Footbridges = 0 Roadbridges = 0 Other = 0  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

RECORDS OF RECENT MANAGEMENT (tick appropriate box(es))

None  Dropping  Mowing  Wood-cutting   
 Enhancement  Other? State:

FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Bedded/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

CHOSED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

NOTABLE NATURAL PLANT SPECIES (tick appropriate box(es))

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

CHANNEL CHARACTERISTICS (tick appropriate box(es))

Major impacts: landfill - tipping - litter - sewage - pollution - straight - abstraction - mill - dam - road - rail - industry - housing - quarrying - over-cropping - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland - shade/wood land - parkland - MoD - other? =

Animals: other - snail - water vole - kingfisher - dipper - very weasel - sand martin - heron - dragonfly/damselfly

Other significant observations: Stream running through area of active afforestation - lots of woody debris in the channel - very difficult access.

SAVED (tick appropriate box(es))

Alford? None  Present  Extensive  Discarded Alford? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6190  
 Mid-size grid reference of network site if different from designated location:  
 Grid Reference: 857851 River: THORNTON BECK  
 Date: 12/16/1996 Time: 09:00 Surveyor name: DEVLIN Accreditation code: P.F.X.  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:  
**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**  
 Riffles 14 Unvegetated point bars 2  
 Pools 1 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use IFE) for: Riffles Pools Unveg. tide bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only**

Spot check 1 is: upstream  downstream

**LEFT BANK TICK if functional fence**

Material	EA	EA	EA	CB	EA	CL	CA	EA	EA	EA
Bank modification(s)	NO									
Bank feature(s)	NO	NO	NO	EL	SC	EL	NO	SC	NO	NO

**CHANNEL VEGETATION (tick one box only)**

Channel substrate: GP, CL, GP, GP, SI, SI, SI, SI, GP, GP  
 Substrate shape: IR, IR, IR, IR, IR, IR, IR, IR, IR, IR  
 Flow type: RP, RP, RP, RP, RP, RP, RP, RP, RP, RP  
 Channel modification(s): NO  
 Channel feature(s): NO

**RIGHT BANK TICK if functional fence**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO									
Bank feature(s)	EL	EL	NO	NO	NO	PC	EL	EL	EL	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CF, OH, NH, SC, TH, RP, IG, TL, WL, OW, BU

LAND USE WITHIN 5m OF BANKTOP (L)	BL									
LEFT BANK-TOP (structure within 1m) BUIVC	S	S	S	S	S	S	C	S	C	
LEFT BANK FACE (structure) BUIVC	S	S	S	B	S	B	S	S	S	
RIGHT BANK FACE (structure) BUIVC	B	B	S	S	S	B	S	B	B	S
RIGHT BANK-TOP (structure within 1m) BUIVC	S	S	C	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL									

**G CHANNEL VEGETATION TYPES (tick appropriate box(es))**

NONE										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. 6190 1996 RIVER HABITAT SURVEY: SOIL SWEEP UP

**H LAND USE WITHIN 5m OF BANKTOP (tick appropriate box(es))**

Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CF)	E	E	Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**I ARTIFICIAL FEATURES (tick appropriate box(es))**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	L	E	Retained		
Vertical + toe	L	E	Reinforced - whole bank		
Slope (> 45°)	L	E	Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**J PERCENT OF TREES AND ASSOCIATED FEATURES (tick one box per bank)**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (2-33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clump	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scal continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**K OTHER VEGETATION FEATURES (tick appropriate box(es))**

Waterfall(s)	None	Percent E	Marginal deadwater	None	Percent E (2-33%)
Channel(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RIFFLE/RUN/GLIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	3.75	RIGHT BANK	
Banktop height (m)	Water width (m)	3.50	Banktop height (m)	0.75
Embanked height (m)	Water depth (m)	0.20	Embanked height (m)	

If trapezoid lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M ARTIFICIAL FEATURES (tick appropriate box(es))**

None  Number of Culverts = 1 Weirs = 1  
 Footbridges = 1 Roadbridges = 1  
 Outfalls = 1 Fords = 1  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State:

**O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Lofly debris  Fox  Flush

**P CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q NOTABLE NUISANCE PLANT SPECIES (tick appropriate box(es))**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettles Rhododendron bracken

**R MAJOR IMPACTS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - siting - other? =

Land Management: set-back - buffer strip - deadland - abandoned land - parkland - MoD - other? =

Animals: FISH etc - minnow - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: LARGE MEADOWS IN STREAM THROUGH FOREST (LOWLY) WITH 'NATURAL' WOOD BORDERS CHANNEL BEGINS REF. FOR MIDPOINT MONITORING AT OPEN ARTIFICIAL BARR WITH BIRD HIDE AT BOTTOM END OF RICE - TO PREVENT DISTURBANCE, WHOLE AREA TURNED INTO A STALLERS (tick appropriate box(es))

Alford? None  Present  Extensive  Disused Alford? None  Present  Extensive

NATURE RESERVE + TRAIL

**BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6191  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 928890 River: BENDALE BECK  
 Date 12.1.1996 Time: 12:20 Surveyor name: DEVILLE Accreditation code: P.F.R.

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 12 Unvegetated point bars 1  
 Pools 2 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. R. DAWSON, IFE, RIVER LABORATORY, EAST STOEKE, WAREHAM, BH20 6BB

**TALLY (see IFE) for:** Riffles Pools Unveg. side bars Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is: upstream  downstream

LEFT BANK	TICK if functional fence	EA	EA	GA	EA	EM	EM	EA	EA	EA
Material		EA	EA	GA	EA	EM	EM	EA	EA	EA
Bank modification(s)		NO								
Bank feature(s)		FB	NO	PL	NO	NO	NO	PL	EL	NO
Channel substrate		GP	GP	GP	GP	GP	GP	GP	SI	SI
Substrate shape		IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type		RP	RP	RP	RP	RP	RP	RP	SM	NP
Channel modification(s)		NO								
Channel feature(s)		NO								
RIGHT BANK	TICK if functional fence	EA								
Material		EA								
Bank modification(s)		NO								
Bank feature(s)		NO	NO	NO	EL	EL	EL	NO	NO	NO

**E. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, RG, FL, WL, OW, SI

LAND USE WITHIN 5m OF BANKTOP (L)	BL	TH	TH	TH	IG	SC	IG	OW	TH	TH
LEFT BANK-TOP (structure within 1m) BANC	S									
LEFT BANK FACE (structure)	S	S	B	S	C	S	S	B	S	S
RIGHT BANK FACE (structure)	S	S	S	B	B	B	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BANC	S									
LAND USE WITHIN 5m OF BANKTOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	WL

**G. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs	MEMO									
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Froo-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

**LAND USE WITHIN 5m OF BANKTOP (L)**

woodland/woodland (WL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		
armland/heath (AH)			Wetland (eg bog, sward, fen) (WL)		
sh (SC)			Open water (OW)		
all herbs, rest vegetation (RE)			Suburban/urban development (SU)		

**LAND USE WITHIN 5m OF BANKTOP (R)**

woodland/woodland (WL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
armland/heath (AH)			Wetland (eg bog, sward, fen) (WL)		
sh (SC)			Open water (OW)		
all herbs, rest vegetation (RE)			Suburban/urban development (SU)		

**SOILS**

barren/unmodified	L	R	Artificial/modified	L	R
field/underfoot	E	E	Reinforced		
Varied + toe			Reinforced - whole bank		
Slope (> 45°)	E	E	Reinforced - top only		
ste			Reinforced - toe only		
sposite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**PERCENT OF TREES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None	Percent E (> 33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None	Percent E (> 33%)
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>			

**WATERFALLS AND POOLS**

Waterfall(s)	None	Percent E	Marginal deadwater	None	Percent E (> 33%)
Canal(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Scill(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

icate predominant flow sequence (select up to three features): RIFFLE/W/G/L/O/C

**CHANNEL DIMENSIONS (to be measured at one site on a straight, uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	3.00	RIGHT BANK	
Banktop height (m)	Water width (m)	1.75	Banktop height (m)	0.60
Embanked height (m)	Water depth (m)	0.20	Embanked height (m)	

If bankline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**MAJOR OBSTACLES (tick one box)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = 1 Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Weed-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fox  Flush

**CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**UNDESIRABLE NUISANCE PLANT SPECIES (up to 10, tick 33% bank, tick 100% bank, tick LARGE STAMENS of stem)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle  Rhododendron  Sycamore

**MAJOR IMPACTS (tick one box)**

Land Management: set-back - buffer strip - hedland - abandoned land - parkland - MoD - other? = \_\_\_\_\_  
 Animals: (1) otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: LARGE STREAM WITH BRIDGEMAN CROSSING AT SITE. LOWER DOWN TILT ON ONE BANK, ARTIFICIAL FISH LEAP CREATED AND CONTINUES DOWN MAKING A LARGE POOL AND CAUSING RETENTION OF WATER ALONG BANKS MAKING WETLAND AREAS.

**ALTERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IPB mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6192  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: HERTFOLD  
 Date: 11/5/1996 Time: 11:00 Surveyor name: D. VILLE Accreditation code: PFR  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bod of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS. (indicate total number)**

Rifles 0 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEKE, WATFORD, Herts WD10 8BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (see IPB) for: Riffles Pools Uprg. side bars Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) 1 m only only**

Spot check 1: upstream  downstream

**LEFT BANK TICK if functional focus**

Material: WE, AE, AO, CO, CE, EA, FE, GE, HE, JE, KE, LE, ME, NE, PE, RE, SE, TE, WE, YE, ZE  
 Bank modification(s): WE, MO, AO, AL, FC, BA, EN  
 Bank feature(s): NY, NO, EC, SC, PR, VP, SB, VS

**CHANNEL VEGETATION (to be assessed across channel within a 10m wide transect)**

Channel substrate: NY, AE, AO, CO, CE, EA, FE, GE, HE, JE, KE, LE, ME, NE, PE, RE, SE, TE, WE, YE, ZE  
 Substrate shape: FL, OV, EL, SF, CU, PO, B, OAH, ...  
 Flow type: FT, CH, BV, UV, CF, BF, UP, SH, MP

Channel modification(s): WE, MO, CV, AS, RI, DI, FO  
 Channel feature(s): NY, NO, AO, AB, VB, MI, TR

**RIGHT BANK TICK if functional focus**

Material: WE, AE, AO, CO, CE, EA, FE, GE, HE, JE, KE, LE, ME, NE, PE, RE, SE, TE, WE, YE, ZE  
 Bank modification(s): WE, MO, AO, AL, FC, BA, EN  
 Bank feature(s): NY, NO, EC, SC, PR, VP, SB, VS

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from AL, CP, DR, NH, SC, TH, RP, RL, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L) TH  
 LEFT BANK-TOP (structure within 1m) BAUSC S  
 LEFT BANK FACE (structure) BAUSC S  
 RIGHT BANK FACE (structure) BAUSC S  
 RIGHT BANK-TOP (structure within 1m) BAUSC S  
 LAND USE WITHIN 5m OF BANK TOP (R) TH

**G. CHANNEL VEGETATION TYPES (to be assessed across channel within a 10m wide transect)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens  
 Emerg broad-leaved herbs  
 Emerg reeds/hedges/rushes  
 Floating-leaved (rooted)  
 Free-floating  
 Amphibious  
 Submerged broad-leaved  
 Submerged fine/linear leaved  
 Filamentous algae

1996 RIVER HABITAT SURVEY: SOON SWEEP UP Page 3 of 4

**H. LAND USE WITHIN 200m OF BANKTOP (to be assessed across channel within a 10m wide transect)**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)	E	E
Tall herbs/ reed vegetation (TH)			Suburban/urban development (SU)		

**I. CHANNEL VEGETATION TYPES (to be assessed across channel within a 10m wide transect)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/moderated			Recessed	E	E
Vertical + toe			Reinforced - whole bank		
Slope (>45)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked	E	E
			Self-back embankments		

**J. EXTENT OF TREES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

None	Left	Right	Shading of channel	None	Percent E (≥ 1%)
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Percent E (≥ 1%)
Marginal dead-water	<input type="checkbox"/>
Exposed bedrock	<input checked="" type="checkbox"/>
Exposed boulders	<input checked="" type="checkbox"/>
Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>
Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>
Mature island(s)	<input checked="" type="checkbox"/>
Unvegetated side bar(s)	<input checked="" type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features): GLIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**K. CHANNEL DIMENSIONS (to be measured on one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	5.50	RIGHT BANK
Banktop height (m)	1.00	Water width (m)	4.00
Embanked height (m)	3.60	Water depth (m)	0.50
		Embanked height (m)	3.60

If bankline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**L. PHYSICAL FEATURES (to be assessed across channel within a 10m wide transect)**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = 1 Roadbridges = Other =

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**M. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State:

**N. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water   
 Broad/old channels  Natural open water  Bog  Other (state):  
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foss  Flush

**O. CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**P. NOTABLE NUISANCE PLANT SPECIES (Use O/E/E (2-3% bank/ft)) IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (Nettle, Rhododendron, bracken)

**Q. RIVER CHARACTERISTICS (Circle appropriate words, tick others, as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-spraying - afforestation - fisheries management - mining - other? =

Land Management: set-back - buffer strip - woodland - shaded/wood land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: TRIMMED (SECTIONED) CHANNEL WITH 2 SMALL CHANNELS CROSSING THE MAIN MIDPOINT - UPSTREAM. 2X EMBANKMENTS PRESENT BUT DUE TO 2 CHANNELS UPSTREAM & CHANNEL PASSING THROUGH VERY CLOSELY TO BANK.

**R. ALGAE (tick appropriate box(es))**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6193  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 233748 River: POONA BEEL  
 Date 9/15/1996 Time: 13:20 Surveyor name DEVLIC Accreditation code: PFS

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use IFE) for Riffles Pools Unveg. side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* = one entry only**

Spot check 1 is: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if functional fence										
Material <sup>WV, NE, BO, CO, GP, SA, U, CL, FE, AR</sup> <sub>BY GA, IR, RP, NO</sub>	EA	EA	GA			GA	BO	EA	EA	EA
Bank modification(s) <sub>NE, NO, AS, RI, FC, BM, EM</sub>	NO	NO	NO			BE	NO	NO	NO	NO
Bank feature(s) <sub>WV, NO, EC, SC, FB, VP, SB, VS</sub>	NO	NO	NO			NO	NO	NO	NO	NO
<b>CHANNEL</b> (NEW) substrate shape codes <sub>WV, NE, BO, CO, GP, SA, U, CL, FE, AR</sub>	GP	SI	SI			GP	CO	GP	BE	CO
Substrate shape <sub>FL, OV, EL, SP, CU, PO, IR, Other</sub>	IR					IR	IR			IR
Flow type <sub>FF, OF, SW, UN, CF, RP, UP, SH, NP, NO</sub>	RP	NO	NO			NO	NO	NO	NO	NO
Channel modification(s) <sub>NE, NO, CV, AS, RI, DA, FD</sub>	NO	NO	NO	OV	OV	RS	NO	NO	NO	NO
Channel feature(s) <sub>WV, NO, RO, HB, VR, AI, FE</sub>	NO	NO	NO			NO	NO	NO	NO	NO
<b>RIGHT BANK</b> TICK if functional fence										
Material <sup>WV, NE, BO, CO, GP, SA, U, CL, FE, AR</sup> <sub>BY GA, IR, RP, NO</sub>	EA	EA	GA			GA	BO	EA	EA	EA
Bank modification(s) <sub>NE, NO, AS, RI, FC, BM, EM</sub>	NO	NO	NO			NO	NO	NO	NO	NO
Bank feature(s) <sub>WV, NO, EC, SC, FB, VP, SB, VS</sub>	NO	NO	NO			NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CF, OF, MH, SC, TH, RP, AC, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP			RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) <sub>BL, SC, TH</sub>	S	S	SC			U	U	U	U	U
LEFT BANK FACE (structure) <sub>BL, SC, TH</sub>	S	S	S			B	S	U	U	U
RIGHT BANK FACE (structure) <sub>BL, SC, TH</sub>	S	S	S			B	S	U	U	U
RIGHT BANK-TOP (structure within 1m) <sub>BL, SC, TH</sub>	S	S	S			U	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP			SC	SC	SC	RP	RP

**G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) SCHE (check all))**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg roots/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

\* New plants

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**H LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or tick (present))**

	L	R		L	R
wood/mixed woodland (BL)			Rough pasture (RP)	E	E
silvicultural plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
orchard/hoath (OH)			Wetland (eg bog, marsh, fen) (WL)		
sh (SQ)		E	Open water (OW)		
herbs / rust vegetation (TH)			Suburban/urban development (SU)	E	E

**I CHANNEL FORMS**

	L	R	Artificial/modified	L	R
scall/mudflat			Reinforced - whole bank	E	E
scall + toe			Reinforced - top only		
Scarp (> 45°)			Reinforced - toe only		
sc			Artificial two-stage		
potholes			Poached		
			Embanked		
			Set-back embankments		

**K EXTENT OF TREES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

	Left	Right		None	Present E (≥ 33%)
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional change	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scattered continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**L EXTENT OF BANKSIDE FEATURES**

	None	Present E		None	Present E (≥ 33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

State predominant flow sequence (select up to three features): LUN

\* New bypass

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	1.50	RIGHT BANK		
Banktop height (m)	0.30	Water width (m)	1.00	Banktop height (m)	0.30
Embanked height (m)		Water depth (m)	0.10	Embanked height (m)	

If eroding lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_  
 Bed material at site: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M ARTIFICIAL FEATURES (indicate total number of each appropriate box)**

None  Number of Culverts = 2 Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State \_\_\_\_\_

**O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None	<input checked="" type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Bog	<input type="checkbox"/>	Other (state)
Waterfalls > 5m high	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Carr	<input type="checkbox"/>	
Branded/side channels	<input type="checkbox"/>	Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>	
Debris dams	<input type="checkbox"/>	Fan	<input type="checkbox"/>	Flash	<input type="checkbox"/>	

**P CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q NOTABLE NUISANCE PLANT SPECIES Use E (≥ 33% banklength) - IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle/Rhododendron bracken

**R CHANNEL CHARACTERISTICS (Circle appropriate words; tick others as necessary)**

Major impacts: headfill  litter - sewage - pollution - drought - abstraction - mill - dam - (and) rail - industry - housing  quarrying - overdeepening - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: wet-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: VERY ODD! Small stream diverges from main channel into a hole (scum information old note). Small stream channel following culvert + stream disappears into a hole. In grass built and stream bed culverted (second photo). Complexity very high.

**S ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

Maybe streambed fills in periods of heavy rain/flood or when road bed removed in overflow.



BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 0198

Mid-site grid reference of network site if different from designated location:

Grid Reference: 830765 River: Foxup Beck

Date 27.5.1996 Time: 17:00... Surveyor name: DEVILOE Accreditation code: PFE

Adverse conditions affecting survey? No  Yes  If yes, state

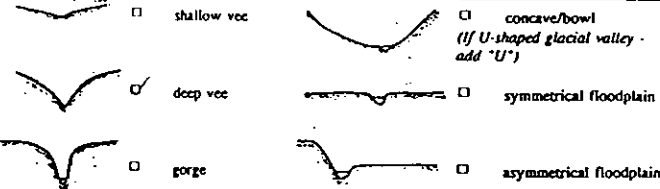
Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)

(duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM: (tick one box only)



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

D NUMBER OF RIPPLES, POOLS AND POINT BARS: (Indicate total number)  
 Ripples 1 Unvegetated point bars 4  
 Pools 2 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, BH20 6BB

TALLY (see BH) for - Ripples Pools Unveg side bars Veg point bars

B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only

Spot check 1 is: upstream  downstream

LEFT BANK: TICK if functional feature	1	2	3	4	5	6	7	8	9	10
Material (M, ME, MO, CO, CS, EA, PE, CL, CC, SP, VP, CA, BR, BP)	BO	EA	EA	EA	BE	BO	CO	EA	EA	EA
Bank modification(s) (M, MO, AS, RP, PC, BR, EN)	NO									
Bank feature(s) (M, MO, EC, SC, PR, VP, SR, VS)	NO	NO	NO	SB	NO	NO	NO	NO	EC	NO
Channel substrate (M, ME, MO, CO, CP, SA, SI, CL, PEAR)	BE	GP	BE	BE	BE	BE	CO	CO	CO	CO
Substrate shape (FL, OV, EL, SP, CU, PO, DL, Other - note)		CU							CU	CU
Flow type (FF, CH, SW, UN, CF, AF, UP, SH, RP, NO)	CH	UN	CF	UN	UP	UN	UN	UN	UN	UN
Channel modification(s) (M, MO, CV, AS, R, DA, FO)	NO									
Channel feature(s) (M, MO, RO, NO, VB, NI, TR)	NO	NO	RO	NO	NO	RO	RO	NO	NO	NO
RIGHT BANK: TICK if functional feature										
Material (M, ME, MO, CO, CS, EA, PE, CL, CC, SP, VP, CA, BR, BP)	EA	EA	BO	BE	SC	EA	DE	EA	EA	EA
Bank modification(s) (M, MO, AS, RP, PC, BR, EN)	NO									
Bank feature(s) (M, MO, EC, SC, PR, VP, SR, VS)	NO	SB	NO	SC	NO	NO	SC	NO	PS	EC
E. BANKTOP, LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from BL, CP, DR, MH, SC, TH, RP, IG, FL, WL, OV, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	WL	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) BUNSC	S	S	U	S	U	U	S	S	S	S
LEFT BANK FACE (structure) BUNSC	U	S	U	S	B	U	S	S	B	S
RIGHT BANK FACE (structure) BUNSC	U	U	B	U	S	B	S	S	B	S
RIGHT BANK-TOP (structure within 1m) BUNSC	S	S	U	S	U	U	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	WL	RP	RP	RP	RP	RP	RP	RP	RP	WL
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	E	/	/	/	E	/	/	/	/	E
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae	/									/

L LAND USE WITHIN 5m OF BANKTOP (L) (tick appropriate)

L	R	L	R
moorland/mixed woodland (BL)		Rough pasture (RP)	E
silvicultural plantation (CP)		improved/semi-improved grass (IG)	
Orchard (OR)		Tilled land (TL)	
arable/leach (AR)		Wetland (eg bog, marsh, fen) (WL)	/
sb (SC)		Open water (OW)	/
herbs rank vegetation (TR)		Suburban/urban development (SU)	

R ARTIFICIAL/MODIFIED

L	R	L	R
unaltered/unmodified		Artificial/modified	
local/woodcut	/	Reinforced	/
...ficial + top		Reinforced - whole bank	/
Steep (>45°)	E	Reinforced - top only	/
ile	/	Reinforced - toe only	/
ipoints		Artificial two-stage	/
		Postbed	/
		Embanked	/
		Set-back embankments	/

T TREES (tick one box per bank) ASSOCIATED FEATURES (tick one box per feature)

None	Left	Right	None	Present	E (2.5%)
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi-continuous			Underwater tree roots		
Continuous			Fallen trees		
			Coarse woody debris		

S SPECIAL INTEREST

Waterfall(s)	None	Present	E	Marginal deadwater	None	Present	E (2.5%)
Caricade(s)				Exposed bedrock			
Rapid(s)				Exposed boulders			
Riffle(s)				Unvegetated mid-channel bar(s)			
Ram(s)				Vegetated mid-channel bar(s)			
Boil(s)				Mature island(s)			
Slide(s)				Unvegetated side bar(s)			
Pool(s)				Vegetated side bar(s)			

ate predominant flow sequence (select up to three features): CASCADE / UNP

C CHANNEL DIMENSIONS (to be measured at one site on a straight, uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	3.25	RIGHT BANK	
Banktop height (m)	Water width (m)	2.75	Banktop height (m)	0.55
Embanked height (m)	Water depth (m)	0.10	Embanked height (m)	

If trashes lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

M ARTIFICIAL FEATURES

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges =  
 Other =

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

R EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State

O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None  Artificial open water  Bog  Other (state)   
 Waterfalls > 5m high  Natural open water  Carr   
 Bridged/side channels  Water meadow  Marsh   
 Debris dams  Fen  Flush   
 Leafy debris

P CROOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

Q NOTABLE NUISANCE PLANT SPECIES (tick one box(es)) (IF SOME LARGE STANDS OF OTHER)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle/Rhododendron bracken

RIVER ALLUVIATION (tick one box(es))

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - pond - rail industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - siting - other? =

Land Management: (set-aside) - buffer strip - headland - abandoned land - parkland - MoD - other? = English Nature/PCF

Animals: other - minl - water vole - kingfisher - lesser water vole - sand martin - heron - dragonfly/damselfly

Other significant observations: (black sheep near running over limestone (main) with lots of logs with water falling off it small waterfalls further down river (out of site) water kept disappearing down side & reappearing from the other bank)

S LANDS (tick appropriate box(es))

Alert? None  Present  Extensive  Damaged? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6199  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 974769 River: EAST STONE GILL  
 Date: 21/11/1996 Time: 9:30 Surveyor name: DE VILLE Accreditation code: PFB

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - odd 'U')   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use IFE) for: Riffles Pools Unveg. side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - 1 = one entry only**

Spot check 1 is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
TICK if fractional fence										
Material (W, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)										
Bank modification(s)										
Bank feature(s)										
<b>RIGHT BANK</b>										
TICK if fractional fence										
Material (W, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)										
Bank modification(s)										
Bank feature(s)										

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from: BL, CP, DK, MH, SC, TH, RP, IG, FL, QL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	WL	WL	WL	MH	MH	MH	WL	MH	MH	MH
LEFT BANK-TOP (structure within 1m)	U	S	S	U	S	S	U	S	S	S
LEFT BANK FACE (structure)	B	S	S	S	S	S	U	S	S	S
RIGHT BANK FACE (structure)	S	S	S	S	U	S	S	S	U	U
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	B	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	MH	WL	WL	MH	MH	MH	MH	MH	MH	MH

**G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (general) 50m reach only)**

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens	ISP, ANG		E	E	E	E	✓	E	✓	✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/washes	TJ, M, C, A, E	✓	E	E	E	E	✓	E	E	E
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg float-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY: SOON SWEEP TIPS Page 3 of 4

**A CHANNEL USE WITHIN 5m OF BANKTOP (Use E (≥ 33% banklength) or tick (general) 50m reach only)**

	L	R		L	R
Broadleaved/woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tiled land (TL)		
Moorland/heath (MH)	E	E	Wetland (eg bog, marsh, fen) (WL)	E	E
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**B CHANNEL CHARACTERISTICS (Use E (≥ 33% banklength) or tick (general) 50m reach only)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Reinforced		
Vertical + toe	✓	✓	Reinforced - whole bank		
Slope (> 45°)	✓	✓	Reinforced - top only		
Castle	E	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**C PRESENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Siding of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scal-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**D CHANNEL PROFILES**

	None	Present E		None	Present E (≥ 33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Concave(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): SEEP

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**A CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	1	2	3	RIGHT BANK	
Banktop height (m)	0-10				Water width (m)	0-70
Embanked height (m)					Water depth (m)	0-10
					Banktop height (m)	0-10

If bankline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**B ARTIFICIAL FEATURES (Use E (≥ 33% banklength) or tick (general) 50m reach only)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

In water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**C EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**D FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fca  Flush

**E CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**F NOTABLE NUISANCE PLANT SPECIES (Use E (≥ 33% banklength) - IFE note LARGE STANDS of others)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**G OVERALL CHARACTERISTICS (Circle appropriate words; add others as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry -  
 housing - mining - quarrying - overcropping - afforestation - fisheries management - siltation - other? = \_\_\_\_\_

Land Management: set-back - buffer strip - headland - abandoned land - partland - MoD - other? = \_\_\_\_\_

Animals: otter - minnow - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies -  
 crane

Other significant observations: Part of a crop on the stream bank right on top of meadow  
 with very heavy ground channel. It's defined in places. There's occasionally  
 dispersed water in the gaps. It's a bit of a mess. (Thanks to whoever picked this site -  
 it was a long walk!!!)

**H ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Decayed Alders? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6200

Mid-site grid reference of network site if different from designated location:

Grid Reference: 090764

River: NODD

Date: 21/5/1996 Time: 13.30 Surveyor name: DEVILLE Accreditation code: PFS

Adverse conditions affecting survey? No  Yes  If yes, state:


Bed of river visible? No  partially  entirely  (tick one box)

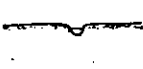
IFE single photograph: general character? No  Yes  (tick one box)

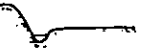
(duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee   concave/bowl (if U-shaped glacial valley - add 'U')

deep vee   symmetrical floodplain

gorge   asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles: 1 Unvegetated point bars: 3

Pools: 2 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO: C. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (see diff) for - Riffles 1 Pools 11 Unveg. point bars 11 Veg point bars

R PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) 1 = one entry only

Spot check 1 is: upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence	RED	CO	CO	CO	CO	CO	CO	CO	CO	CO
Material (M: NO, NO, CO, CO, EA, PE, CL, CC, SP, W, CA, BA, BA, BA)	BO	BE	CO	CO	EA	CO	BE	BO	BE	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SB	NO	SB	PB	EC	NO	NO	NO	NO	NO
CHANNEL VEGETATION (tick appropriate box(es))	None <input checked="" type="checkbox"/> Sparse <input type="checkbox"/> Moderate <input type="checkbox"/> Dense <input type="checkbox"/> Very dense <input type="checkbox"/> (tick one box)									
Channel substrate (M: NO, NO, CO, CO, EA, PE, CL, CC, SP, W, CA, BA, BA, BA)	BO	CO	CO	CO	CO	BO	BE	BO	BO	BO
Substrate shape (F: NO, NO, CL, SP, CL, SP, IR, DR, DR, DR)	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type (F: CH, SW, W, CL, SP, UP, SW, UP, SW, UP)	UW	UW	UW	UW	UW	RP	SM	UW	UW	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	FO	RO	FO	FO	NO	NO	RO	RO	RO	NO
RIGHT BANK TICK if functional fence	NO									
Material (M: NO, NO, CO, CO, EA, PE, CL, CC, SP, W, CA, BA, BA, BA)	BO	CO	BO	CO	BO	CO	EA	CO	CO	BO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	PS	NO	NO	NO	NO	PS	PS	EC	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)	Land use: choose one from RL, CP, OR, WH, SC, TH, RP, KG, TL, WL, OW, SU									
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	K	IG	IG	IG	IG	BL
LEFT BANK-TOP (structure within 1m) BAUSC	U									
LEFT BANK FACE (structure) BAUSC	S	S	B	S	B	S	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	U	B	B
RIGHT BANK-TOP (structure within 1m) BAUSC	U	U	S	S	S	S	U	U	U	B
LAND USE WITHIN 5m OF BANK TOP (R)	WL	IG	IG	BL	BL	RP	IG	CP	CP	CP
O CHANNEL VEGETATION TYPES (tick appropriate box(es))	NONE / PLANT GENERA - list first 5									
Bryophytes/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg reeds/sedges/rushes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Floating-leaved (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fruiting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged fine/linear-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Piliferous algae	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

LAND USE WITHIN 5m OF BANKTOP (L) L R

Indic/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)	<input type="checkbox"/>	<input type="checkbox"/>
Coniferous plantation (CP)	<input type="checkbox"/>	<input type="checkbox"/>	Improved/semi-improved grass (IG)	<input type="checkbox"/>	<input type="checkbox"/>
Orchard (OR)	<input type="checkbox"/>	<input type="checkbox"/>	Tilled land (TL)	<input type="checkbox"/>	<input type="checkbox"/>
Wetland/peat (WH)	<input type="checkbox"/>	<input type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Woods (SC)	<input type="checkbox"/>	<input type="checkbox"/>	Open water (OW)	<input type="checkbox"/>	<input type="checkbox"/>
Tall herbs/ scrub vegetation (TH)	<input type="checkbox"/>	<input type="checkbox"/>	Suburban/urban development (SU)	<input type="checkbox"/>	<input type="checkbox"/>

Artificial/modified L R

Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>	Poached	<input type="checkbox"/>	<input type="checkbox"/>
Embanked	<input type="checkbox"/>	<input type="checkbox"/>	Set-back embankments	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

None	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	None	<input type="checkbox"/>	Percent B (≥ 33%)	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scrub continuous	<input checked="" type="checkbox"/>						
Continuous	<input checked="" type="checkbox"/>						

WATERPARAMETER READINGS

Waterfall(s)	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Percent B (≥ 33%)	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	None	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	Pool(s)	<input type="checkbox"/>

date predominant flow sequence (select up to three features): UN/GR/IG

CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	9.25	RIGHT BANK		
Banktop height (m)	0.75	Water width (m)	6.25	Banktop height (m)	0.75
Embanked height (m)		Water depth (m)	0.30	Embanked height (m)	

If treeless lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

MAJOR OBSTACLES (tick appropriate box(es))

None  Number of Culverts = Weirs = Footbridges = Roadbridges = Outfalls = Fords =

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None  Dredging  Moving  Wood-cutting  Enhancement  Other? State:

FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Bridges/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Lanky debris  Fen  Flush

CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

NOTABLE NUISANCE PLANT SPECIES Use U or E (≥ 33% banktop) IFE note LARGE STANDS of other? None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? *Nettia Rhododendron bractea*

MAJOR IMPACTS (tick appropriate box(es))

Landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siting - other? =

Land Management: set-back - buffer strip - headland - abandoned land - partition - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper (grey wagtail) - sand martin - heron - dragonflies/damselflies

Other significant observations: Large stream showing evidence of lots of activity - better stream - low flow - possibly due to management of Silt House leaves upstream.

ALDERS (tick appropriate box(es))

Alder? None  Present  Extensive  Discarded Alder? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/m) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6201  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 134706 River: \_\_\_\_\_  
 Date 29/5/1996 Time: 15:30 Surveyor name: DEVLIN Accreditation code: PFS

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles 0 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WARRERAN, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see BH) for - Rifles Pools U/wing, tide bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is: upstream  downstream

LEFT BANK	TICK if functional fence	1	2	3	4	5	6	7	8	9	10
Material <i>NY, NO, BO, CO, GP, SA, S, CL, PC, AR</i>		BO	BO	BO	BO	GS	BE	BE	BE	BE	BO
Bank modification(s) <i>NY, NO, RS, RP, FC, BH, EN</i>		NO									
Bank feature(s) <i>NY, NO, EC, SC, PB, VP, SB, VS</i>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL** (see BH) (to be assessed across channel within a 1m wide transect) - one entry only

Channel substrate <i>NY, NO, BO, CO, GP, SA, S, CL, PC, AR</i>	GP	GP	BO	CO	CO	BE	BE	BO	BE	BO
Substrate shape <i>FL, OY, EL, SP, CU, PO, DL, OWH, N, NW</i>	LR	LR	LR	LR	LR	LR	LR	LR	LR	LR
Flow type <i>FF, CH, SW, LW, CF, SF, UP, SW, NP, ND</i>	UW	UW	CH	UW	UW	RP	CH	RP	CH	CH
Channel modification(s) <i>NY, NO, CV, AS, RJ, DJ, JO</i>	NO									
Channel feature(s) <i>NY, NO, BO, BE, VB, ML, TR</i>	RO	RO	RO	RO	NO	NO	NO	NO	NO	NO

**RIGHT BANK** TICK if functional fence

Material <i>NY, NO, BO, CO, GP, SA, S, CL, PC, AR</i>	EA	BO	BO	BO	BO	BE	BE	BO	BE	BO
Bank modification(s) <i>NY, NO, RS, RP, FC, BH, EN</i>	NO									
Bank feature(s) <i>NY, NO, EC, SC, PB, VP, SB, VS</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANK/TOE LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, WH, SC, TH, RP, NG, PL, RL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m) <i>BAUSC</i>	U	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) <i>BAUSC</i>	U	S	U	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) <i>BAUSC</i>	S	S	S	S	S	S	S	S	S	U
RIGHT BANK-TOP (structure within 1m) <i>BAUSC</i>	S									
LAND USE WITHIN 5m OF BANK TOP (R)	IG	BL	BL	BL	BL	BL	BL	BL	BL	BL

**G CHANNEL VEGETATION TYPES (10m wide transect: E = 0-33% area of bank (present) 50% (absent))**

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submersed fine/linear-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY: SOIL SWEEP UP Page 3 of 4

SITE NO. 6201

**LAND USE (RUBIN) ON BANKTOP (see BH) (tick one box per bank)**

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' reed vegetation (TH)			Suburban/urban development (SU)		

**PROVIDES**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Step (>45°)			Reinforced - top only		
Geostic			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

**EXTENT OF TREES AND ASSOCIATED FEATURES**

<b>TREES (tick one box per bank)</b>	None	Left	Right	<b>ASSOCIATED FEATURES (tick one box per feature)</b>	None	Present E (>33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
				Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**EXTENT OF SPECIAL FEATURES**

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (>33%)
Cascade(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): CASCADE / RAPID

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight riffle location, preferably across a riffle)**

LEFT BANK	Banktop width (m)	7.00	RIGHT BANK	
Banktop height (m)	Water width (m)	4.00	Banktop height (m)	0.50
Embanked height (m)	Water depth (m)	0.30	Embanked height (m)	

If bankline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**FOR SPECIAL FEATURES (indicate total number, or tick appropriate box(es))**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bridled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE NUISANCE PLANT SPECIES (tick one or more (>33% bank/ft)) - IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**OVERALL CHARACTERISTICS (circle appropriate feature(s) - others as necessary)**

Major impacts: landfill (spilling) litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-aside - buffer strip - badland - abandoned land - parkland - MFD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: large stream with steep gradient (flowing through farmland to golf course reservoir).

**ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Decayed Alders? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A - BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B - FIELD SURVEY DETAILS**

Reference network site number: 6204  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: BIRD FOR TA BECK  
 Date 13/5/1996 Time: 9:00 Surveyor name: DEVILLE Accreditation code: PFB  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C - PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D - NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles 0 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

FALLY (use 20ft for Riffles) Pools Unveg side bar Veg point bars

**B - PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - non entry only**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
TICK if functional feature										
Material	EA									
Bank modification(s)	RS									
Bank feature(s)	NO									
CHANNEL										
Channel substrate	NV	NV	SI	SI	NV	NV	SI	NV	SI	
Substrate shape										
Flow type	NP	NP	NP	SM	NP	NP	NP	NP	NP	
Channel modification(s)	NO									
Channel feature(s)	NO									
RIGHT BANK										
TICK if functional feature										
Material	EA									
Bank modification(s)	RS									
Bank feature(s)	NO									

**F - BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, DR, MH, SC, TH, RP, IG, TL, ML, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL									
LEFT BANK TOP (structure within 1m) BUI/S/C	S									
LEFT BANK FACE (structure) BUI/S/C	S	S	S	S	S	B	S	S	S	S
RIGHT BANK FACE (structure) BUI/S/C	S	E	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BUI/S/C	U	S	U	U	U	S	U	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	IG	IG	IG	IG	IG	IG

**G - CHANNEL VEGETATION TYPES (10m wide transect: E (25-33% cover) or tick (present) 500m catchment)**

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens										
Emergent broad-leaved herbs	IPPV, RAN	E	E							
Emergent reeds/sedges/rushes	PHN, SPAL, PLEA									
Flowering leaved (rooted)										
Free-floating										
Amphibious	YANU, CHAM									
Submerged broad-leaved										
Submerg. frond/linear-leaved	LANL									
Filamentous algae										

SITE NO. 6204 1996 RIVER HABITAT SURVEY: 500M SWEEP-UP Page 3 of 4

**H - LAND USE WITHIN 50m OF BANKTOP (tick E (25-33% cover) or tick (present) 500m catchment)**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/mast vegetation (TH)			Suburban/urban development (SU)		

**I - CHANNEL DIMENSIONS**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/wedged			Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**J - PRESENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**K - CHANNEL CHARACTERISTICS**

	None	Present E (≥ 33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): STAGNANT, GLIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**K - CHANNEL DIMENSIONS (to be measured at one site on a straight, uniform section, preferably across a riffle)**

LEFT BANK	RIGHT BANK
Banktop height (m)	5.25
Banktop width (m)	1.75
Water width (m)	1.75
Embanked height (m)	1.50
Water depth (m)	0.50
Embanked height (m)	1.50

If (waterline lower than banktop break in slope, indicate: height (m) = 1.25 width (m) = 4.00

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**L - CHANNEL CHARACTERISTICS (Circle appropriate bank(s) or tick (present) 500m catchment)**

None <input type="checkbox"/>	Number of Culverts =	Wet =	Outfalls =	Fords =
	Footbridges =	Roadbridges =	Other =	J. FARM BRIDGE

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**M - EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Wood cutting   
 Enhancement  Other? Stone

**N - FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Shaded/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fee  Flush

**O - CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**P - NOTABLE NUISANCE PLANT SPECIES (tick E (≥ 33% bank(s)) or IFE note LARGE STANDS of others eg)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**Q - MAJOR CHARACTERISTICS (Circle appropriate words, tick others)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siltation - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Totally reactivated stream, more like a drainage ditch with lots of aquatic plants growing, old hedges growing out along bank top.

**R - ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discard Alders? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing. Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6206  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: WATH BECK  
 Date: 16/6/1996 Time: 9:00 Surveyor name: DEVLIN Accreditation code: PFS  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bod of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles: 7 Unvegetated point bars: 1  
 Pools: 0 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (see IFE) for Riffles Pools Unveg side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is upstream of downstream?

Spot check	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material	EA	BW	EA							
Bank modification(s)	NO									
Bank feature(s)	NO									
CHANNEL: NEW - substrate shape codes	Flow over channel structural codes for physical description only									
Channel substrate	CO	GP	GP	GP	GP	SI	GP	GP	GP	GP
Substrate shape	IR	IR	IR	IR						
Flow type	SM	SM	UW	RP	SM	SM	UP	SM	RP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	DA	NO	NO	NO
Channel feature(s)	NO									
RIGHT BANK TICK if functional fence										
Material	EA									
Bank modification(s)	NO									
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RL, CP, OR, MH, SC, TH, RP, IG, TL, BL, ON, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG									
LEFT BANK TOP (structure within 1m) BRISC	S	S	S	S	C	S	U	S	S	S
LEFT BANK FACE (structure) BRISC	S	S	S	S	S	S	S	S	C	S
RIGHT BANK FACE (structure) BRISC	S									
RIGHT BANK TOP (structure within 1m) BRISC	S	S	S	C	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	IG	IG	IG	BL	BL	TL	TL	TL

**G CHANNEL VEGETATION TYPES (10m wide transect: E (2-10% cover) or tick (presence) 3000 catch all)**

NONE / PLANT GENERA: list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg rush/sed/poa/rubus										
Floting-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. 6206 1996 RIVER HABITAT SURVEY: SOOTH SWEEP-UP

**H LAND USE WITHIN 50m OF BANKTOP (tick E (2-10% cover) or tick (presence) 3000 catch all)**

Broadleaf/maized woodland (BL)							
Coniferous plantation (CP)							
Orchard (OR)							
Moorland/heath (MH)							
Scrub (SC)							
Tall herb/ reed vegetation (TH)							
Rough pasture (RP)							
Improved/semi-improved grass (IG)							
Tilled land (TL)							
Wetland (eg bog, marsh, fen) (WL)							
Open water (OW)							
Suburban/urban development (SU)							

**I CHANNEL VEGETATION TYPES (10m wide transect: E (2-10% cover) or tick (presence) 3000 catch all)**

Natural/unmodified							
Vertical/undercut							
Vertical + toe							
Steep (>45°)							
Concave							
Composite							
Artificial/modified							
Reinforced							
Reinforced - whole bank							
Reinforced - top only							
Reinforced - toe only							
Artificial two-stage							
Poached							
Embanked							
Set-back embankments							

**J ASSESSMENT OF TREES AND ASSOCIATED FEATURES (tick one box per feature)**

TREES (tick one box per bank)	None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 1%)
Isolated/scattered				Shading of channel		
Regularly spaced, single				Overhanging boughs		
Occasional clumps				Exposed bankside roots		
Semi-continuous				Underwater tree roots		
Continuous				Fallen trees		
				Conewoody debris		

**K CHANNEL CHARACTERISTICS (tick one box)**

Waterfall(s)	None	Present E (≥ 1%)	Marginal downriver	None	Present E (≥ 1%)
Cascade(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid channel bar(s)		
Run(s)			Vegetated mid channel bar(s)		
Pool(s)			Master island(s)		
			Unvegetated side bar(s)		
			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): RAPID, RUN, CASCADE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**L CHANNEL DIMENSIONS (to be measured at any site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	6.75	RIGHT BANK	
Banktop height (m)	Water width (m)	1.75	Banktop height (m)	1.00
Embanked height (m)	Water depth (m)	0.25	Embanked height (m)	

If gradient lower than banktop break in slope, indicate: height (m) = 0.50 width (m) = 5.25

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M PHYSICAL ATTRIBUTES (tick one box)**

None  Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =

In water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? Stair

**O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (spec)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Loxly debris  Foc  Flush

**P CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q NOTABLE NUISANCE PLANT SPECIES (tick one box)**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**R CHANNEL CHARACTERISTICS (tick one box)**

Major impacts: landfill - tipping - litter (waste) pollution - drought (retention) mill - dump - road - rail industry - housing - mining - quarrying - overstepping - afforestation - fisheries management - siting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - partitioned - MoD - other? =

Animals: otter - mink - water vole - langfisher - dipper - grey wagtail - sand martin - bream - dragonflies/damselflies

Other significant observations: Large stream banded by agricultural land with one house at start of stream. In reach of Ashford South of Leamington. At point 6.7 on stream, irrigation pipe (according to farmer) on right bank with extraction of water being carried out. This wooden (plastic) dam

**S CHANNEL CHARACTERISTICS (tick one box)**

Alters? None  Present  Extensive  Dammed Alters? None  Present  Extensive

at point 7 to pool the water for the extracting pipe to go into.



**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 207  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: River: DERWENT  
 Date: 5.5.1996 Time: 13:00 Surveyor name: DEVILLE Accreditation code: PFB  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/howl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles: 0 Unvegetated point bars: 0  
 Pools: 0 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and exposure claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRERAM, 6H20 6BB

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* = one entry only**

Spot check 1st upstream  downstream

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

**LEFT BANK** TICE if functional focus

Material:  EA  ER  EA  EA  EA  NV  EA  NV  EA  EA

Bank modification(s):  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO

Bank feature(s):  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO

**CHANNEL** TICE if functional focus

Channel substrate:  NV  NV  NV  NV  NV  NV  NV  NV  NV  NV

Substrate shape:  FL  OF  EL  CU  PD  R  OHM  OHM

Plan type:  IF  CH  BV  UP  CF  RP  UP  SH  NP  NO

Channel modification(s):  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO

Channel feature(s):  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO

**RIGHT BANK** TICE if functional focus

Material:  EA  ER  EA  EA  NV  EA  NV  EA  EA

Bank modification(s):  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO

Bank feature(s):  NO  NO  NO  NO  NO  NO  NO  NO  NO  NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: Choose one from BL, CP, OR, NH, SC, TH, RP, AG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	BL	BL	IG	IG	TH	BL	SC	SC
LEFT BANK TOP (structure within 1m) BU/SC	S									
LEFT BANK FACE (structure) BU/SC	S									
RIGHT BANK FACE (structure) BU/SC	S									
RIGHT BANK TOP (structure within 1m) BU/SC	S									
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	SC	TH	TH	TH	TH	SC	TH

**G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (previous) 500m² catchment)**

NONE  PLANT GENERA - list first 5

Bryophytes/lichens

Emerg broad-leaved herbs  ILYOS

Emerg reeds/wedges/rushes  SPK  PMA  GLYK

Floating-leaved (rooted)

Free-floating

Aquatic

Submerged broad-leaved

Submerg free-linear-leaved  LK  VL

Filamentous algae

**E LAND USE WITHIN 50m OF BANKTOP: Use E (≥ 33% banklength) or tick (previous) 500m² catchment**

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	E
Orchard (OR)			Tilled land (TL)	<input checked="" type="checkbox"/>	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' reed vegetation (TH)			Suburban/urban development (SU)		E

**F CHARACTERISTICS OF CHANNEL VEGETATION (tick appropriate box(es))**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/wedged	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Slope (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Poached	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Enhanced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set-back embankments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**G PRESENCE OF TREES AND ASSOCIATED FEATURES (tick one box per bank)**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**H CHARACTERISTICS OF CHANNEL VEGETATION (tick appropriate box(es))**

Waterfall(s)	None	Present E (≥ 33%)
Caesoid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ohole(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features): G L D E

**I CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	20.00	RIGHT BANK
Banktop height (m)	7.00	Water width (m)	16.00
Embanked height (m)		Water depth (m)	NK
		Banktop height (m)	2.00
		Embanked height (m)	

If trapezoid then banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**J CHANNEL VEGETATION (tick appropriate box(es))**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =

Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**K EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State:

**L FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flab

**M CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**N NOTABLE NUISANCE PLANT SPECIES (tick appropriate box(es))** IFE note LARGE STANDS of others eg

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick Rhododendron)

**O CHANNEL CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - wall - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headfill - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 FOX; RATS  
 Other significant observations: VERY DEEP FAST-FLOWING RIVER. RAILWAY CUNNINGS TO LEFT SIDE SOME VEGETATION ONLY, POSSIBLY RESECT. QUAYS

**P ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Disused Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing. Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6209  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: DEWENT  
 Date 19/5/1996 Time: 11:00 Surveyor name DEVILLE Accreditation code PFS  
 Adverse conditions affecting survey? No  Yes  If yes, state  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 0 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (see IFE) for Riffles Pools Unveg. side bars Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 m<sup>2</sup> upstream  downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK: Material	EA									
Bank modification(s)	EA									
Bank feature(s)	EA									
Channel substrate	CP									
Substrate shape	SM									
Channel modification(s)	NO									
Channel feature(s)	NO									
RIGHT BANK: Material	EA									
Bank modification(s)	PS									
Bank feature(s)	NO									

**E. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BE, CP, DE, NH, SC, TH, RP, FG, FL, WL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP									
LEFT BANK-TOP (structure within 1m)	S									
LEFT BANK FACE (structure)	U	B	U	S	U	U	U	U	U	C
RIGHT BANK FACE (structure)	S	U	U	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	U									
LAND USE WITHIN 5m OF BANK TOP (R)	RP									

**G. CHANNEL VEGETATION TYPES (10m wide transect: E (20-33% cover) or tick (structural) Sides, banktop)**

NONE / PLANT GENERA - list Gen 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	POA, MYOS									
Emerg root/leaf/rhizome	PUR, JUN, ULS, SMC	E								
Flowering-leaved (rooted)										
Frost-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved	GLK, CALL									
Filamentous algae										

1996 RIVER HABITAT SURVEY: SOIL SWEEP UP

LAND USE WITHIN 5m OF BANKTOP

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' and vegetation (TH)			Suburban/urban development (SU)		

ARTIFICIAL BANKS

	L	R	Artificial/modified	L	R
Vertical/embankment			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embankment		
			Set-back embankment		

PREVALENT TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

	Left	Right	None	Present E (2-33%)
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scrub continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present E (2-33%)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

WATERBARS

	None	Present E (2-33%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ran(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ohole(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

Marginal deadwater

	None	Present E (2-33%)
Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): G1, RE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**B. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section - preferably across a riffle)**

LEFT BANK	Banktop width (m)	7.50	RIGHT BANK	
Banktop height (m)	Water width (m)	7.00	Banktop height (m)	0.50
Embanked height (m)	Water depth (m)	0.50	Embanked height (m)	3.00

If trapezium lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**C. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)**

None  Number of Culverts = Weirs = Outfalls = Ponds =  
 Footbridges = Bankridges = Other =

Is water impounded by weirs/dams? No  Yes, <31% of site  >31% of site

**D. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State

**E. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Brashed/side channels  Natural open water  Carr  Double drainage  
 Debris dams  Water meadow  Marsh  Channels with side  
 Leafy debris  Fen  Flush  of main channel

**F. CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**G. NOTABLE RUSSIAN PLANT SPECIES (tick one box)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**H. ANTHROPOGENIC FACTORS (check appropriate tick boxes and others as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - silting - other? =

Land Management: set-aside (buffer strip) - woodland - abandoned land - partition - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: SAME AS SITE 6210 AND 6192.  
 Pile in water. Local info. with.  
 Frog heard

**I. ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY WITH IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6210  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: HORTFORD  
 Date 14/5/1996 Time 13:15 Surveyor name DeVillie Accreditation code PF8

Adverse conditions affecting survey? No  Yes  If yes, state

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 0 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRERAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use Jiff) for riffles Pools Unveg side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICE if functional fence										
Material <i>W, M, S, G, C, L, P, C, C, S, P, W, G, S, M, S, W</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>M, M, R, S, R, P, C, M, E, M</i>	RS									
Bank feature(s) <i>W, M, E, C, S, P, W, S, W, S</i>	NO									
CHANNEL <i>NEW - substrate shape codes =</i>										
Channel substrate <i>W, M, S, G, C, L, P, C, C, S, P, W, G, S, M, S, W</i>	SI									
Substrate shape <i>FL, OV, D, IF, CU, PO, R, O, W, N, S, W, N</i>										
Flow type <i>FL, O, W, N, S, W, N, S, W, N, S, W, N</i>	SN									
Channel modification(s) <i>M, M, R, S, R, P, C, M, E, M</i>	NO									
Channel feature(s) <i>W, M, R, O, M, R, W, M, R</i>	NO									
RIGHT BANK TICE if functional fence										
Material <i>W, M, S, G, C, L, P, C, C, S, P, W, G, S, M, S, W</i>	EA									
Bank modification(s) <i>M, M, R, S, R, P, C, M, E, M</i>	RS									
Bank feature(s) <i>W, M, E, C, S, P, W, S, W, S</i>	NO									
LAND USE WITHIN 5m OF BANKTOP (L)	TH									
LEFT BANK TOP (structure within 1m) <i>BL/SC</i>	S									
LEFT BANK FACE (structure) <i>BL/SC</i>	S	S	S	U	S	U	S			
RIGHT BANK FACE (structure) <i>BL/SC</i>	U	U	U	U	S	S	U			
RIGHT BANK-TOP (structure within 1m) <i>BL/SC</i>	S									
LAND USE WITHIN 5m OF BANK TOP (R)	TH									
NONE	PLANT GENERA - list first 5									
Bryophytes/lichens										
Emerg broad-leaved herbs	<i>Rosa</i>									
Emerg root/rod/pen/pushes <i>P. mar</i>										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved	<i>A. T. A.</i>									
Submerg fine/longer leaved <i>K. C. G. C. P. C. L. O. P.</i>										
Filamentous algae										

SITE NO. 6210 1996 RIVER HABITAT SURVEY: 500M SWEEP UP Page 3 of 4

**LAND USE WITHIN 5m OF BANKTOP (use E = 33% areas) or tick (persons) *same as site 6210***

	L	R		L	R
Broadleaf/mixed woodland (BL)					
Coniferous plantation (CP)					
Orchard (OR)					
Moorland/heath (MH)					
Scrub (SC)					
Tall herbs / reed vegetation (TH)	E	E			
Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45)			Reinforced - top only		
Gully			Reinforced - base only		
Composite			Artificial two-stage		
			Poached		
			Enhanced		
			Set back embankments		

**E REQUIREMENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per band)		ASSOCIATED FEATURES (tick one box per feature)	
None	Left Right	Shading of channel	None Present E (≥33%)
Isolated/scattered	<input checked="" type="checkbox"/> <input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/> <input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/> <input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/> <input type="checkbox"/>
Occasional clumps	<input type="checkbox"/> <input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/> <input type="checkbox"/>
Semi continuous	<input type="checkbox"/> <input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/> <input type="checkbox"/>
Continuous	<input type="checkbox"/> <input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/> <input type="checkbox"/>

**F TEN SPOT CHECKS**

Waterfall(s)	None Present E	Marginal deadwater	None Present E (≥33%)
Rapid(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/> <input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/> <input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
Slide(s)	<input type="checkbox"/> <input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
		Vegetated side bar(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): G, L, O, C

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	6.20	RIGHT BANK	
Banktop height (m)	Water width (m)	4.50	Banktop height (m)	1.00
Embanked height (m)	Water depth (m)	0.50	Embanked height (m)	3.50

If trahline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**H PHYSICAL FEATURES (to be measured at one site on a straight uniform section, preferably across a riffle)**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**I EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Wood cutting   
 Enhancement  Other? State

**O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Braided/side channels  Natural open water  Carr  4 Downy woodpecker  
 Debris dams  Water meadow  Marsh  100% cover of moss  
 Leafy debris  Fen  Flush  channel

**K CROSSLAND CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**L NOTABLE NUISANCE PLANT SPECIES (use D or E (≥33% bank length))** IFE note LARGE STANDS of other?

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (Nettle, Rhododendron bracken)

**M PHYSICAL CHARACTERISTICS (Circle appropriate words and others as necessary)**

Major impacts: landfill - tipping - liner - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silt - other? =

Land Management: set-aside (buffer strip) - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: SAME AS SITE 6210

**N ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Divided Alders? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6212  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Lune  
 Date: 5/5/1996 Time: 04.50 Surveyor name: HO Accreditation code: PFF  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (If U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS? (indicate total number)**

Riffles: NONE Unvegetated point bars:  
 Pools: Vegetated point bars:

SEND COMPLETED FORMS WEEKLY plus all water samples and exposure claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOLEE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY, TEN SPOT CHECKS Page 2 of 4

TALLY (use IFE) Riffles Pools Unveg side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only**

Spot check 1 is upstream  downstream

LEFT BANK	TICK if functional fence	1	2	3	4	5	6	7	8	9	10
Material	CC CC CO CS CA PE CL CE SP WP GA BR BA	CC	CC	CO	CS	SP	SP	BR	BR	BR	BR
Bank modification(s)	NR NO AS NO FC BR JM EN	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI
Bank feature(s)	NV NO EC SC PE VP SA VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	NV BR SO CO GP SA SB CL PE AF	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	FL OW EL SP CU PO BR CHN	/	/	/	/	/	/	/	/	/	/
Flow type	FF CH BR UN CF RP UP SH JN MO	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
Channel modification(s)	NR NO EV AS BR JM FO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NV NO EC SC PE VP SA VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	TICK if functional fence										
Material	NV BR SO CO GP SA SB CL PE AF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NR NO AS NO FC BR JM EN	EM	EM	EM	EM	EM	EM	EM	EM	EM	EM
Bank feature(s)	NV NO EC SC PE VP SA VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, AG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP (structure within 1m) BUI/SC	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BUI/SC	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BUI/SC	B	B	B	U	B	U	U	U	B	B	B
RIGHT BANK-TOP (structure within 1m) BUI/SC	U	U	U	S	S	U	S	C	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	WL	WL	WL	SC	SC	TH	SD	BL	WL	WL	WL

**G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (present) 500m reach)**

NONE	PLANT GENERA - list first 5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/lichens											
Emerg broad-leaved herbs											
Emerg reeds/sedges/rushes											
Flowering-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerg fine/linear-leaved											
Filamentous algae											

1996 RIVER HABITAT SURVEY, SOCS SWEEP UP Page 3 of 4

LAND USE WITHIN 50m OF BANKTOP (E (≥ 33% area) or tick (present) 500m reach)

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		<input checked="" type="checkbox"/>
Scrub (SC)		<input checked="" type="checkbox"/>	Open water (OW)		
Tall herbs/next vegetation (TH)		<input checked="" type="checkbox"/>	Suburban/urban development (SU)	100%	E

**ARTIFICIAL FEATURES**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Grade	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Poached	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set back embankments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**EXTENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scattered continuous	<input type="checkbox"/>	<input type="checkbox"/>	Felka trees	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**FEATURES OF SPECIAL INTEREST**

None	<input type="checkbox"/>	Waterfalls > 5m high	<input type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Bog	<input type="checkbox"/>	Other (state)	
	<input type="checkbox"/>	Graded/side channels	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Carr	<input type="checkbox"/>		
	<input type="checkbox"/>	Debris dams	<input type="checkbox"/>	Water meadow	<input type="checkbox"/>	salt	<input checked="" type="checkbox"/>	Marsh	<input checked="" type="checkbox"/> (only narrow strips)
	<input type="checkbox"/>	Leafy debris	<input type="checkbox"/>	Fen	<input type="checkbox"/>	Flush	<input type="checkbox"/>		

**CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE NUISANCE PLANT SPECIES (Use 0 or E (≥ 33% bank/ft)) IFE plus LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  (tick appropriate box(es))

**GENERAL CHARACTERISTICS (Use 0 or E (≥ 33% bank/ft)) IFE plus LARGE STANDS of others eg**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siting - other? = *urbanisation - footways*

Land Management: set-back - buffer strip - headland - abandoned land - perturbed - MoD - other? = *urban*

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: *This site is tidal. Could not classify flow type as it was largely unmeasurable - rippled! At subsiding tide flow is quite smooth. (3m) Vegetation on bank top is salt marsh*

**SALDS (tick appropriate box(es))**

Alters? None  Present  Extensive  Disused Alters? None  Present  Extensive

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight, uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	123m	RIGHT BANK		
Banktop height (m) above	1m	Water width (m)	123m	Banktop height (m)	1.1m
Embanked height (m) above	2.6	Water depth (m)	?	Embanked height (m)	3m

If trapezium lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box) *channel*

**ARTIFICIAL FEATURES**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = 1 Other =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other?  Silt

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None

**CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE NUISANCE PLANT SPECIES (Use 0 or E (≥ 33% bank/ft)) IFE plus LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  (tick appropriate box(es))

**GENERAL CHARACTERISTICS (Use 0 or E (≥ 33% bank/ft)) IFE plus LARGE STANDS of others eg**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siting - other? = *urbanisation - footways*

Land Management: set-back - buffer strip - headland - abandoned land - perturbed - MoD - other? = *urban*

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: *This site is tidal. Could not classify flow type as it was largely unmeasurable - rippled! At subsiding tide flow is quite smooth. (3m) Vegetation on bank top is salt marsh*

**SALDS (tick appropriate box(es))**

Alters? None  Present  Extensive  Disused Alters? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6217  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 908670 River: GOREDALE BECK  
 Date: 27.5.1996 Time: 11:00 Surveyor name: DEVLILE Accreditation code: PPS  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total)**

Riffles 6 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (use JH) for - Riffles Pools Unveg side bars Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) 1 = one entry only**

Spot check is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK - TICK if functional fence</b>										
Material <i>WV,AE,BO,CO,CS,EL,FL,FC,GC,SP,MP,GR,RR,RP,RP</i>	EA	EA	EA	EA	BO	CO	EA	GS	GS	EA
Bank modification(s) <i>ME,NO,AS,RI,PC,BN,EM</i>	NO									
Bank feature(s) <i>WV,NO,EC,SC,FR,VP,SB,VS</i>	NO	NO	NO	EC	NO	NO	NO	NO	NO	NO
<b>CHANNELS - TICK if NEW - substrate shape</b>										
Channel substrate <i>WV,AE,BO,CO,CP,SA,SI,CL,PEAR</i>	CO	EA	GP	CO	CO	GP	CO	GP	GP	GP
Substrate shape <i>FL,OV,EL,SP,CO,PO,IR,DR,DR,DR</i>	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type <i>FF,CH,EN,UN,CF,AF,UP,SM,AP,NO</i>	UW	UW	UW	UW	UW	UW	UW	UW	UW	UW
Channel modification(s) <i>ME,NO,EX,AS,RI,DA,FO</i>	NO									
Channel feature(s) <i>WV,NO,BO,AS,RI,DA,FO</i>	NO	NO	NO	NO	NO	NO	RO	NO	NO	NO
<b>RIGHT BANK - TICK if functional fence</b>										
Material <i>WV,AE,BO,CO,CS,EL,FL,FC,GC,SP,MP,GR,RR,RP,RP</i>	BO	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>ME,NO,AS,RI,PC,BN,EM</i>	NO									
Bank feature(s) <i>WV,NO,EC,SC,FR,VP,SB,VS</i>	NO	NO	NO	EC	NO	NO	NO	EC	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) <i>BL,SC</i>	U									
LEFT BANK FACE (structure) <i>BL,SC</i>	S	U	U	B	U	U	U	U	U	U
RIGHT BANK FACE (structure) <i>BL,SC</i>	S	U	U	B	U	U	U	B	U	U
RIGHT BANK TOP (structure within 1m) <i>BL,SC</i>	U									
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	IG	RP	IG	IG	IG	IG	IG

**G. CHANNEL VEGETATION TYPES (tick one box only) (if > 1% cover) (if > 1% cover)**

NONE  PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

SITE NO. 6217 1996 RIVER HABITAT SURVEY: SOOT SWEEP UP

**LAND USE WITHIN 5m OF BANKTOP (tick one box only)**

Broadleaf/mixed woodland (BL)									
Coniferous plantation (CP)									
Orchard (OR)									
Moorland/heath (MH)									
Scrub (SC)									
Tall herbs/ meadow vegetation (TH)									
Rough pasture (RP)									
Improved/semi-improved grass (IG)									
Tilled land (TL)									
Wetland (eg bog, marsh, fen) (WL)									
Open water (OW)									
Suburban/urban development (SU)									

**CHANNEL VEGETATION TYPES (tick one box only)**

Natural/unmodified									
Vertical/undercut									
Vertical + toe									
Steep (>45°)									
Bank									
Composite									
Artificial/modified									
Reinforced									
Reinforced - whole bank									
Reinforced - top only									
Reinforced - toe only									
Artificial two-stage									
Poached									
Embedded									
Set-back embankments									

**TREES (tick one box per bank)**

None									
Isolated/scattered									
Regularly spaced, single									
Occasional clumps									
Scattered continuous									
Continuous									

**ASSOCIATED FEATURES (tick one box per feature)**

Shading of channel	None	Percent E (≥ 33%)		
Overhanging boughs				
Exposed bankside roots				
Underwater tree roots				
Fallen trees				
Common woody debris				
Marginal deadwater				
Exposed bedrock				
Exposed boulders				
Unvegetated mid-channel bar(s)				
Vegetated mid-channel bar(s)				
Mature island(s)				
Unvegetated side bar(s)				
Vegetated side bar(s)				

Indicate predominant flow sequence (select up to three features): CASCADE / RAPID / RUN

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at mid site on a straight section, preferably down a riffle)**

LEFT BANK	Banktop width (m)	1.40	RIGHT BANK	
Banktop height (m)	Water width (m)	1.20	Banktop height (m)	0.05
Embedded height (m)	Water depth (m)	0.15	Embedded height (m)	

If trachea lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  (banktop)

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURAL FEATURES (tick one box only)**

None  Number of Culverts = Weirs = Footbridges = Outfalls = Fords =

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood cutting   
 Embankment  Other? State:

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Bridled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE RIVANCE PLANT SPECIES (tick one box only) (if > 1% cover) (if > 1% cover)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**GENERAL CHARACTERISTICS (tick one box only)**

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = SSSI (100m)

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Upland brook which was fast flowing heavy rain (local info). Normally was a trickle in dry weather heavy rain. (formed by former site of a mill) SSSI with restricted access.

**ALTERS (tick appropriate box(es))**

Alters? None  Present  Extensive  Discard Alters? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6219

Mid-site grid reference of network site if different from designated location:

Grid Reference: 134 642 River: NIDD  
 Date: 3/5/1996 Time: 09:00 Surveyor name: Deville Accreditation code: LPS

Adverse conditions affecting survey? No  Yes  If yes, state:

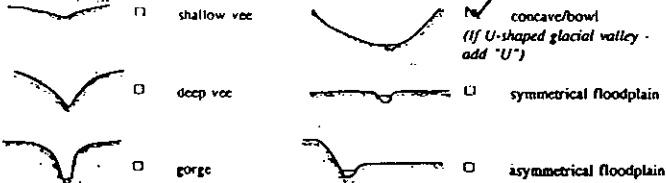
Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph general character? No  Yes  (tick one box)

and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOL, AND POINT BARS (indicate total number)  
 Riffles: 3 Unvegetated point bars: 1  
 Pools: 0 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F. R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (see IFE) for: Riffles Pools Unveg side bars Veg point bars

B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* w voc entry only

Spot check 1 is: upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material (W, B, CO, GS, PE, CL, CE, SP, VP, CA, BR, RW, SW)	EA	BO	CO	GS	RO	CO	EA	EA	EA	EA
Bank modification(s) (M, NO, AS, PC, BM, EM)	NO									
Bank feature(s) (W, NO, EC, SC, PB, VP, SB, VS)	NO									

C. CHANNEL CHARACTERISTICS (to be assessed across channel within a 1m wide transect)

Channel substrate (W, B, BO, CO, GS, PE, CL, CE, SP, VP, CA, BR, RW, SW)	CO	CO	CO	BO	BO	CO	CO	RO	NV	NV
Substrate shape (FL, OV, EL, SP, CU, PO, PL, Othm - NW)	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type (FF, CH, SW, UN, CF, AF, UP, SM, NP, NO)	RP	W	RP	RW	W	W	RP	RP	RP	RP
Channel modification(s) (M, NO, CV, AS, BI, DA, JO)	NO									
Channel feature(s) (W, NO, EC, SC, PB, VP, SB, VS)	NO	NO	NO	RU	RU	NO	NO	NO	NO	NO

D. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

LAND USE WITHIN 5m OF BANKTOP (L)	BL	IG	IG	IG	IG	IG	BL	IG	IG	BL
LEFT BANK-TOP (structure within 1m) BUISC	S	S	S	S	B	S	S	S	S	S
LEFT BANK FACE (structure) BUISC	C	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BUISC	S	U	S	S	S	U	U	S	S	S
RIGHT BANK-TOP (structure within 1m) BUISC	S	U	S	S	S	U	U	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	SU	SU

E. CHANNEL VEGETATION TYPES (10m wide transect: E (2-33% area) or tick (general) sites)

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens										
Emerg broad-leaved herbs	Low									
Emerg reeds/sedges/rushes	IP + AL									
Floating-leaved (rooted)										
Free-floating										
Amphibious	Low - Eury									
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

H. LAND USE WITHIN 50m OF BANKTOP (tick E (2-33% banklength) or tick (general) sites)

	L	R		L	R
Woodland/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs / scrub vegetation (TH)			Suburban/urban development (SU)		

I. CHANNEL BANK CHARACTERISTICS (tick appropriate boxes)

Internal/semi-internal	L	R	Artificial/modified	L	R
Vertical/banktop	1	2	Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>45)		E	Reinforced - top only		
Bank			Reinforced - toe only		
Embankment			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J. PRESENT OF TREES AND ASSOCIATED FEATURES (tick one box per feature)

TREES (tick one box per feature)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2-33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

K. CHANNEL CHARACTERISTICS (tick appropriate boxes)

	None	Present E		None	Present E (2-33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Box(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): R, P, U, W

L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	20.00	RIGHT BANK	
Banktop height (m)	Water width (m)	15.00	Banktop height (m)	3.00
Embanked height (m)	Water depth (m)	0.50	Embanked height (m)	

If trachea lower than banktop break in slope, indicate: height (m) = 1.90 width (m) = 20.00

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

M. CHANNEL FEATURES (tick appropriate boxes)

None <input type="checkbox"/>	Number of Culverts =	Walls =	Outfalls = 1	Fords =
	Footbridges = 1	Roadbridges =	Other =	

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate boxes)

None <input checked="" type="checkbox"/>	Dredging <input type="checkbox"/>	Mowing <input type="checkbox"/>	Wood cutting <input type="checkbox"/>
	Enhancement <input type="checkbox"/>	Other? Stone <input type="checkbox"/>	

O. FEATURES OF SPECIAL INTEREST (tick appropriate boxes)

None <input checked="" type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
Waterfalls > 5m high <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Cart <input type="checkbox"/>	
Brashed/side channels <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	

P. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

Q. NOTABLE NUISANCE PLANT SPECIES (tick appropriate boxes) - IFE note LARGE STANDS of others eg

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle, Rhododendron bracteos

R. CHANNEL CHARACTERISTICS (tick appropriate boxes)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - afforestation - fisheries management - silting - other? =

Lead Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: WIDE FERTILE FLOODING AREA SMALL FLOOD RELIEF CHANNEL A FEW YARDS OF SURVEY. DISUSED RAILROAD APPROACHING RIGHT BANK WITH SEWAGE TREATMENT WORKS.

S. ALDERS (tick appropriate boxes)

Alders? None <input type="checkbox"/>	Present <input checked="" type="checkbox"/>	Extensive <input type="checkbox"/>	Discarded Alders? None <input checked="" type="checkbox"/>	Present <input type="checkbox"/>	Extensive <input type="checkbox"/>
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1996 RIVER HABITAT SURVEY with IFE mods for plant genera and faucing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6220  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 236633 River: THORNTON BECK  
 Date: 5/11/1996 Time: 11:45 Surveyor name: DEVLING Accreditation code: PFS  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  | IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 12 Unvegetated point bars 5  
 Pools 3 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use IFE) for Riffles Pools Unveg. side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK:</b> TICK if functional fence										
Material <sup>NY, NO, BE, CO, CS, EA, PE, PL, CC, SP, UP, CR, IR, RI, RW</sup>	GS	KS	EA	BO	EA	EA	CO	EA	EA	EA
Bank modification(s) <sup>NR, NO, RS, RI, PC, RH, EN</sup>	NG									
Bank feature(s) <sup>NY, NO, EC, SC, PB, VP, SB, VS</sup>	NO	(NO)	(NO)	(NO)	PC	NO	NO	NO	NO	NO
Channel substrate <sup>NY, BE, BO, CO, CP, SA, SD, PL, EA</sup>	CO	BE	CO	BO	CO	GP	NV	CO	CO	CO
Substrate shape <sup>FL, OV, EL, SP, CU, PO, FR, OAV, ...</sup>	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type <sup>FF, CH, BW, UN, CF, RP, UP, SH, SF, NO</sup>	UN	CH	OW	UN	SM	UN	RP	UN	UN	UN
Channel modification(s) <sup>NR, NO, CV, AS, RI, H, FO</sup>	NO									
Channel feature(s) <sup>NY, NO, RO, H, R, H, R</sup>	NO	RU	NO	RO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK:</b> TICK if functional fence										
Material <sup>NY, NO, BE, CO, CS, EA, PE, PL, CC, SP, UP, CR, IR, RI, RW</sup>	EA	CO	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>NR, NO, RS, RI, PC, RH, EN</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <sup>NY, NO, EC, SC, PB, VP, SB, VS</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BE, CP, OE, WH, SC, TH, RP, IG, FL, BL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	IG	IG	IG	CP	BL	EP	BL	BL
LEFT BANK TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BAUSC	S	S	S	S	B	S	S	B	U	B
RIGHT BANK FACE (structure) BAUSC	C	S	S	S	S	S	B	S	S	S
RIGHT BANK TOP (structure within 1m) BAUSC	S	S	S	S	U	S	S	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	RP	RP	BL	IG	BL	BL	RP	IG	BL

**G CHANNEL VEGETATION TYPES (10m wide transect: E (2-33% cover) or tick (present) 500m channel)**

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs	CA, AT, DENA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg reeds/sedges/rushes		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Floating-leaved (rooted)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious	LENN, NUNN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submerged broad-leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged fine-leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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**H LAND USE WITHIN 50m OF BANKTOP (Use E (2-33% cover) or tick (present) 500m channel)**

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	<input checked="" type="checkbox"/>	Rough pasture (RP)	E	<input checked="" type="checkbox"/>
Coniferous plantation (CP)	<input checked="" type="checkbox"/>		Improved/semi-improved grass (IG)	E	<input checked="" type="checkbox"/>
Orchard (OR)			Tilled land (TL)		
Woodland/bush (WH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**I CHANNEL VEGETATION TYPES (tick one box per bank)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reconciled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Geatic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Paunched	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set back embankments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**J EXTENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-conscious	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**K CHANNEL VEGETATION TYPES (tick one box per feature)**

	None	Present E		None	Present E (≥33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rum(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Obd(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features): LFFLS / LUN

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	4.00	RIGHT BANK		
Banktop height (m)	1.25	Water width (m)	2.00	Banktop height (m)	0.75
Embanked height (m)		Water depth (m)	0.30	Embanked height (m)	

If trapezium lower than banktop break in slope, indicate: height (m) = 0.50 width (m) = 3.00

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M NATURAL ATTRIBUTES (tick one box per feature)**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Wood-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q NOTABLE NUISANCE PLANT SPECIES (Use U or E (≥33% bank/ghat)) - IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name: *Rhododendron bracken*

**R PHYSICAL ATTRIBUTES (Circle appropriate water and others as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - over-deepening - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Four flowing small large stream

**S ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Disused Alders? None  Present  Extensive





1996 RIVER HABITAT SURVEY with IPE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6224  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Foss  
 Date: 11/5/1996 Time: 11:30 Surveyor name: Deville Accreditation code: PFS  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS: (indicate total number)**

Rifles 4 Unvegetated point bars 1  
 Pools 1 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use IPE) for Rifles Pools Unveg. side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is upstream  downstream

LEFT BANK	TICE if functional fence	1	2	3	4	5	6	7	8	9	10
Material <u>EA</u>	<u>EA</u>										
Bank modification(s) <u>RS</u>	<u>RS</u>										
Bank feature(s) <u>NU</u>	<u>NU</u>	<u>NU</u>	<u>NU</u>	<u>NU</u>	<u>NU</u>	<u>PS</u>	<u>NU</u>	<u>NU</u>	<u>NU</u>	<u>NU</u>	<u>NU</u>
Channel substrate <u>GP</u>	<u>GP</u>										
Substrate shape <u>FP</u>	<u>FP</u>	<u>SM</u>	<u>RP</u>	<u>SM</u>	<u>SM</u>	<u>SM</u>	<u>SM</u>	<u>SM</u>	<u>SM</u>	<u>SM</u>	<u>SM</u>
Flow type <u>RP</u>	<u>RP</u>	<u>SM</u>	<u>RP</u>	<u>SM</u>	<u>SM</u>	<u>SM</u>	<u>SM</u>	<u>SM</u>	<u>SM</u>	<u>SM</u>	<u>SM</u>
Channel modification(s) <u>NO</u>	<u>NO</u>										
Channel feature(s) <u>NO</u>	<u>NO</u>										
RIGHT BANK	TICE if functional fence										
Material <u>EA</u>	<u>EA</u>										
Bank modification(s) <u>RS</u>	<u>RS</u>	<u>RS</u>	<u>RS</u>	<u>RS</u>	<u>RS</u>	<u>RS</u>	<u>RS</u>	<u>RS</u>	<u>RS</u>	<u>RS</u>	<u>RS</u>
Bank feature(s) <u>NO</u>	<u>NO</u>										

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, DR, MH, SC, TH, UF, NO, TL, WL, SW

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	TH	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) <u>U</u>	<u>U</u>	<u>U</u>	<u>U</u>	<u>U</u>	<u>U</u>	<u>S</u>	<u>S</u>	<u>S</u>	<u>S</u>
LEFT BANK FACE (structure) <u>S</u>	<u>S</u>								
RIGHT BANK FACE (structure) <u>S</u>	<u>S</u>								
RIGHT BANK TOP (structure within 1m) <u>S</u>	<u>U</u>	<u>U</u>	<u>U</u>	<u>U</u>	<u>S</u>	<u>U</u>	<u>S</u>	<u>S</u>	<u>S</u>
LAND USE WITHIN 5m OF BANK TOP (R)	<u>IG</u>								

**G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or less (approx) 50m wide)**

NONE	PLANT GENERA - list first 5										
Bryophytes/lichens											
Emerg broad-leaved herbs	<u>LYCO</u>										
Emerg reeds/sedges/rushes	<u>SPHE</u>	<u>E</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
Floating leaved (rooted)											
Free-floating											
Amphibious		<u>✓</u>	<u>✓</u>	<u>✓</u>						<u>✓</u>	<u>✓</u>
Submerged broad leaved										<u>✓</u>	<u>✓</u>
Submerg free/linear-leaved	<u>EMU</u>									<u>✓</u>	<u>✓</u>
Filamentous algae		<u>E</u>	<u>E</u>	<u>E</u>	<u>E</u>	<u>E</u>	<u>E</u>	<u>E</u>	<u>E</u>	<u>✓</u>	<u>✓</u>

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**H LAND USE WITHIN 5m OF BANKTOP (L & R)**

Broadleaved/maized woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	<u>E</u>	<u>E</u>
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' sward vegetation (TH)	<u>✓</u>		Suburban/urban development (SU)		

**I CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	<u>11.00</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>3.25</u>	Banktop height (m)	<u>3.5</u>
Embanked height (m)	Water depth (m)	<u>2.15</u>	Embanked height (m)	

If trapezoid lower than banktop break in slope, indicate: height (m) = 0.6 width (m) = 4.0

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**J CHANNEL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**K EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Wood-cutting   
 Enhancement  Other? Stue

**L FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bricked/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**M CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**N NOTABLE NUISANCE PLANT SPECIES (use IPE) (≥ 33% bank/gh) - IFE into LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (Name Rhododendron bracken)

**O GENERAL CHARACTERISTICS (Circle appropriate words, add others as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - silting - other? = \_\_\_\_\_  
 Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin (none) dragonflies/damselflies  
 Other significant observations: Totally reseeded small run - silted

**P ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

Indicate predominant flow sequence (select up to three features): Run / m - 12

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**H LAND USE WITHIN 5m OF BANKTOP (L & R)**

Broadleaved/maized woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	<u>E</u>	<u>E</u>
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' sward vegetation (TH)	<u>✓</u>		Suburban/urban development (SU)		

**I CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	<u>11.00</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>3.25</u>	Banktop height (m)	<u>3.5</u>
Embanked height (m)	Water depth (m)	<u>2.15</u>	Embanked height (m)	

If trapezoid lower than banktop break in slope, indicate: height (m) = 0.6 width (m) = 4.0

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**J CHANNEL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**K EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Wood-cutting   
 Enhancement  Other? Stue

**L FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bricked/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**M CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**N NOTABLE NUISANCE PLANT SPECIES (use IPE) (≥ 33% bank/gh) - IFE into LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (Name Rhododendron bracken)

**O GENERAL CHARACTERISTICS (Circle appropriate words, add others as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - silting - other? = \_\_\_\_\_  
 Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin (none) dragonflies/damselflies  
 Other significant observations: Totally reseeded small run - silted

**P ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

Indicate predominant flow sequence (select up to three features): Run / m - 12

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6225  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: DEWENT  
 Date 12/19/1996 Time 15:30 Surveyor name DEVLIVE Accreditation code PFS  
 Adverse conditions affecting survey? No  Yes  If yes, state  
 Bed of river visible? No  partially  entirely (tick one box)  
 IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 0 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

FULLY (see IFE) for Riffles Pools Unveg. side bars Veg joint bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 (1) upstream  down-stream

LEFT BANK	TICK if functional fence	1	2	3	4	5	6	7	8	9	10
Material <small>WV, W, BO, CO, CS, EA, PE, CE, CC, SP, W, G, H, R, B, V</small>	EA										
Bank modification(s) <small>W, H, R, B, R, L, P, C, B, M, E, M</small>	NO										
Bank feature(s) <small>W, H, R, B, R, L, P, C, B, M, E, M</small>	VP										
CHANNEL <small>NEW - add shape code</small>											
Channel substrate <small>WV, W, BO, CO, CS, EA, PE, CE, CC, SP, W, G, H, R, B, V</small>	NV										
Substrate shape <small>FL, OV, EL, SP, CU, PO, W, D, M, A, N, S, M</small>	SM										
Flow type <small>FF, CH, SW, LW, CF, AP, UP, SM, PP, AD</small>	SM										
Channel modification(s) <small>W, H, R, B, R, L, P, C, B, M, E, M</small>	NO										
Channel feature(s) <small>W, H, R, B, R, L, P, C, B, M, E, M</small>	NO										
RIGHT BANK	TICK if functional fence	1	2	3	4	5	6	7	8	9	10
Material <small>WV, W, BO, CO, CS, EA, PE, CE, CC, SP, W, G, H, R, B, V</small>	EA										
Bank modification(s) <small>W, H, R, B, R, L, P, C, B, M, E, M</small>	NO										
Bank feature(s) <small>W, H, R, B, R, L, P, C, B, M, E, M</small>	NO										

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use, choose one from BL, CP, OR, NH, SC, TH, AP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANK TOP (L)	IG	IG	IG	IG	IG	RP	RP	WL	RP	RP
LEFT BANK-TOP (structure within 1m) <small>BUSVC</small>	U	U	U	U	U	S	S	S	S	S
LEFT BANK FACE (structure) <small>BUSVC</small>	S	B	U	S	S	U	U	S	S	S
RIGHT BANK FACE (structure) <small>BUSVC</small>	S									
RIGHT BANK-TOP (structure within 1m) <small>BUSVC</small>	S									

**G. CHANNEL VEGETATION TYPES (10m wide transect: E (2-12% area) or tick (percent) 5000)**

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes <small>GL, K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</small>	GL, K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100									
Flowering-leaved (rooted) <small>NURP1</small>										
Free-floating										
Amphibious <small>EMAN</small>										
Submerged broad leaved										
Submerged fine-leaved										
Filamentous algae										

SITE NO. 6225 1996 RIVER HABITAT SURVEY: 300M SWEEP-UP Page 3 of 4

**E. LAND USE WITHIN 5m OF BANKTOP (Use E (2-12% banktop) or tick (percent) 5000)**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)	E	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)		E	Suburban/urban development (SU)		E

**F. CHANNEL VEGETATION TYPES (tick one box per bank)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>45)	E	E	Reinforced - top only		
Composite			Reinforced - toe only		
			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

**G. PRESENCE OF TREES AND ASSOCIATED FEATURES (tick one box per feature)**

TREES	Left	Right	ASSOCIATED FEATURES	None	Percent E (2.11%)
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Scal continuous			Fallen trees		
Continuous			Cornal woody debris		

**H. VEGETATION BANKS: PLANTING**

Waterfall(s)	None	Percent E	Marginal deadwater	None	Percent E (2.11%)
Cascade(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid channel bar(s)		
Run(s)			Vegetated mid channel bar(s)		
Bank(s)			Mature island(s)		
Ohde(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): G L S C

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**H. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	23.50	RIGHT BANK
Banktop height (m)	1.75	Water width (m)	20.00
Banktop height (m)	1.75	Banktop height (m)	1.75
Embarked height (m)		Water depth (m)	NK
		Embarked height (m)	

If tradeline lower than banktop break in slope, indicate: height (m) = 1.25 width(m) = 21.25

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other (tick one box)

**I. CHANNEL VEGETATION (tick one box per bank)**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**J. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State

**K. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Bricked/side channel  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flurb

**L. CROOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**M. NOTABLE NUISANCE PLANT SPECIES Use O (2-33% banktop) - IFE note LARGE STANDS of others**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick Rhododendron bracken)

**N. GENERAL CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road (rail) - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - silting - other? =  
 Land Management: set-aside - buffer strip - bandland - abandoned land - partitioned - MoD - other? =  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly  
 Other significant observations: wide river, slow-flowing, extensive reed-beds developing, railway running close to right bank.

**O. ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Disused Alders? None  Present  Extensive

perhaps can overtake survey sheet. Early stages.

1996 RIVER HABITAT SURVEY with IPE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6226  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Rowmere Beck  
 Date 15.5.1996 Time: 10:15 Surveyor name: DeVill Accreditation code: PFR  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 13 Unvegetated point bars 2  
 Pools 10 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use JHS) for Riffles Pools Unveg side bars Veg point bars

**G PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	TICK if functional fence									
Material	CL	EA	CL							
Bank modification(s)	NO	PC	NO							
Bank feature(s)	EC	NO	NO	EC	EC	NO	EC	SB	EC	EC
CHANNEL	NEW: substrate shape codes (see IFE manual for details)									
Channel substrate	GP	GP	SI	GP						
Substrate shape	IR	IR		IR			IR			
Flow type	RP	RP	RP	SM	UV	LP	RP	UV	UV	SM
Channel modification(s)	NO									
Channel feature(s)	NO									
RIGHT BANK	TICK if functional fence									
Material	CL	EA	CL	CL	EA	CL				
Bank modification(s)	NO									
Bank feature(s)	NO	SB	EC	EL	SB	EC	PC	EC	NO	EC

**P. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, AG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	KG									
LEFT BANK-TOP (structure within 1m) BUI/SC	S	U	U	S	U	S	S	S	S	S
LEFT BANK FACE (structure) BUI/SC	B	B	B	B	B	U	B	S	B	B
RIGHT BANK FACE (structure) BUI/SC	S	S	B	B	S	B	U	B	S	B
RIGHT BANK-TOP (structure within 1m) BUI/SC	U	S	U	U	S	U	U	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG									

**Q. CHANNEL VEGETATION TYPES (10m wide transect, 2.5m x 2.5m grid or tick (present) 500m transect)**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs	EA	NU								
Emerg reeds/sedge/rushes										
Flowering leaved (rooted)										
Frac. floating										
Amphibious										
Submerged broad-leaved	LA	CL								
Submerged fine/linear-leaved	EA	NU								
Filamentous algae										

SITE NO. 6226 1996 RIVER HABITAT SURVEY: 500M SWEEP-UP Page 3 of 4

**H. BANKTOP LAND USE WITHIN 5m OF BANKTOP (10m x 10m grid or tick (present) 500m transect)**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' reed vegetation (TH)			Suburban/urban development (SU)		

**I. CHANNEL VEGETATION TYPES (10m x 10m grid or tick (present) 500m transect)**

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	L	E	Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embedded		
			Set-back embankments		

**J. PREVALENCE OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2-15%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**K. STREAM CHANNEL CHARACTERISTICS**

	None	Present E (2-15%)	None	Present B (2-15%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Marsh island(s)	<input type="checkbox"/>
Glides(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RIFFLE/POOL

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**L. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	2.35	RIGHT BANK		
Banktop height (m)	0.70	Water width (m)	1.40	Banktop height (m)	0.70
Embedded height (m)		Water depth (m)	0.15	Embedded height (m)	

If waterline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M. MANUFACTURE ATTRIBUTES**

Name  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = 1 Rambridges = Other =  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

Name  Dropping  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P. CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q. NOTABLE NUISANCE PLANT SPECIES (use 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000)**

**R. CHANNEL CHARACTERISTICS (Circle appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? =

Land Management: (see code) buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - eel - water vole - longfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Irregularly meandering stream.

**S. ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discard Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6227  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: GYPSY RACE  
 Date: 15/5/1996 Time: 8.45 Surveyor name: DEVLIN Accreditation code: PFB  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles 2 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (use Jiffy for Riffles) Pools Unveg. code bars Veg point bars

**B: PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* = one entry only**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if functional fence										
Material (M) BE, BO, CO, CI, CL, FL, GL, GP, GR, GU, H, HW, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	EA	EA	EA							
Bank modification(s) (M) BE, BO, CO, CI, CL, FL, GL, GP, GR, GU, H, HW, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	RS	RS	RS							
Bank feature(s) (M) BE, BO, CO, CI, CL, FL, GL, GP, GR, GU, H, HW, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	NU	NU	NU							
<b>CHANNEL</b> (M) BE, BO, CO, CI, CL, FL, GL, GP, GR, GU, H, HW, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z										
Channel substrate (M) BE, BO, CO, CI, CL, FL, GL, GP, GR, GU, H, HW, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	GP	GP	GP	S1	S1	GP				
Substrate shape (M) BE, BO, CO, CI, CL, FL, GL, GP, GR, GU, H, HW, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z										
Flow type (M) BE, BO, CO, CI, CL, FL, GL, GP, GR, GU, H, HW, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	SM	SM	SM	SM	SM	RP	RP	SM	RP	SM
Channel modification(s) (M) BE, BO, CO, CI, CL, FL, GL, GP, GR, GU, H, HW, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	NO	NO	NO							
Channel feature(s) (M) BE, BO, CO, CI, CL, FL, GL, GP, GR, GU, H, HW, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	NO	NO	NO							
<b>RIGHT BANK</b> TICK if functional fence										
Material (M) BE, BO, CO, CI, CL, FL, GL, GP, GR, GU, H, HW, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	EA	EA	EA							
Bank modification(s) (M) BE, BO, CO, CI, CL, FL, GL, GP, GR, GU, H, HW, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	RS	RS	RS							
Bank feature(s) (M) BE, BO, CO, CI, CL, FL, GL, GP, GR, GU, H, HW, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	NU	NU	NU							
<b>F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)</b>										
Land use (choose one from BE, BO, CO, CI, CL, FL, GL, GP, GR, GU, H, HW, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)										
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL							
LEFT BANK TOP (structure within 1m) (M) BE, BO, CO, CI, CL, FL, GL, GP, GR, GU, H, HW, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	S	U	U	S						
LEFT BANK FACE (structure) (M) BE, BO, CO, CI, CL, FL, GL, GP, GR, GU, H, HW, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	S	S	S	S						
RIGHT BANK FACE (structure) (M) BE, BO, CO, CI, CL, FL, GL, GP, GR, GU, H, HW, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	S	S	S	S						
RIGHT BANK TOP (structure within 1m) (M) BE, BO, CO, CI, CL, FL, GL, GP, GR, GU, H, HW, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	S	S	S	S						
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG							
<b>G CHANNEL VEGETATION TYPES (10m wide transect: E (2-33% water) or S (33-50% water) or T (50-75% water) or U (75-100% water))</b>										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs (VEX)										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious (C-A)										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. 6227 1996 RIVER HABITAT SURVEY: SOON SWEET UP

**H CHANNEL AND USE WITHIN 5m OF BANKTOP (Use E (2-33% water) or S (33-50% water) or T (50-75% water) or U (75-100% water))**

	L	R		L	R
Broadleaf/maize woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	E
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/maize vegetation (TH)			Suburban/urban development (SU)		

**I CHANNEL VEGETATION TYPES (10m wide transect: E (2-33% water) or S (33-50% water) or T (50-75% water) or U (75-100% water))**

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/woodcut			Recessed	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked	E	✓
			Set-back embankments		

**J PREVALENT OR TREELAND ASSOCIATED FEATURES**

TREES (tick one box per bank)		ASSOCIATED FEATURES (tick one box per feature)	
None	Left Right	Shading of channel	None Present E (>33%)
Isolated/scattered	<input checked="" type="checkbox"/> <input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/> <input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/> <input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/> <input type="checkbox"/>
Occasional clumps	<input type="checkbox"/> <input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/> <input type="checkbox"/>
Semi-continuous	<input type="checkbox"/> <input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/> <input type="checkbox"/>
Continuous	<input type="checkbox"/> <input type="checkbox"/>	Cones woody debris	<input checked="" type="checkbox"/> <input type="checkbox"/>

**K CHANNEL CHARACTERISTICS (10m wide transect: E (2-33% water) or S (33-50% water) or T (50-75% water) or U (75-100% water))**

	None Present E (>33%)		None Present E (>33%)
Waterfall(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/> <input type="checkbox"/>
Carwood(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/> <input type="checkbox"/>
Rapid(s)	<input type="checkbox"/> <input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/> <input type="checkbox"/>
Riffle(s)	<input type="checkbox"/> <input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
Run(s)	<input type="checkbox"/> <input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
Bar(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>	Marsh island(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
Slide(s)	<input type="checkbox"/> <input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
Pool(s)	<input type="checkbox"/> <input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): GLIDE / RUN

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

<b>LEFT BANK</b>	Banktop width (m)	1.75	<b>RIGHT BANK</b>
Banktop height (m)	Water width (m)	0.50	Banktop height (m)
Embanked height (m)	Water depth (m)	0.10	Embanked height (m)

If trapezium lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M CHANNEL OPERATIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

None  Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =  
 Footbridges =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State

**O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Brashed/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? No  Yes

**Q NOTABLE NUISANCE PLANT SPECIES (tick one box) IFE note: LARGE STANDS of other?ig**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other: Nettle Rhododendron bracken

**R CHANNEL CHARACTERISTICS (10m wide transect: E (2-33% water) or S (33-50% water) or T (50-75% water) or U (75-100% water))**

Major impacts: headfin - tipping - litter - sewage - pollution - dredging - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-deepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MOD - other? =

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: VERY SMALL STREAM DIVIDING FIELDS, SLIGHT EMBANKING FROM OLD RESETTING CHANNEL LEVELS TO BE CROPPED LATER IN YEAR - ALSO BY GRASS FROM BANKS GROWING IN.

**S ALGAE (tick appropriate box(es))**

Alders? None  Present  Extensive  Diatoms? None  Present  Extensive



**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6228  
 Mid-site grid reference of network site if differs from designated location:

Grid Reference: River: KECK BECK  
 Date: 13/5/1996 Time: 13:30 Surveyor name: DEVILLE Accreditation code: PF9

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles 0 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**TALLY (use left) for - Rifles Pools Unveg. side bars Veg point bars**

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide transect) - one entry only**

Spot check 1 at: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>	TICK if functional fence									
Material <sup>1</sup> by: ME, MD, CO, CS, MA, PE, CL, CC, SP, WF, GA, AR, BR	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b>	TICK if functional fence									
Channel substrate <sup>1</sup> by: BE, BO, CO, CP, SI, SI, CL, PE, AR	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	FL	OV	EL	SP	CU	PO	D	Od	un	un
Flow type <sup>1</sup>	FL	CH	LM	CL	SP	UP	SM	AP	MD	NO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>	TICK if functional fence									
Material <sup>1</sup> by: ME, MD, CO, CS, MA, PE, CL, CC, SP, WF, GA, AR, BR	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from: BL, CP, OR, MH, SC, TH, RP, FC, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TH	TH	TH	TH	TH
LEFT BANK TOP (structure within 1m) BR/SC	S	S	S	U	B	S	S	S	U	S
LEFT BANK FACE (structure) BR/SC	S	S	S	U	S	S	S	S	S	S
RIGHT BANK FACE (structure) BR/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BR/SC	U	U	U	U	U	U	U	U	U	U

**G. CHANNEL VEGETATION TYPES (10m wide transect: E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)**

NONE	/	/	/	/	/	/	/	/	/	/
Bryophytes/lichens	/	/	/	/	/	/	/	/	/	/
Emerg broad-leaved herbs	/	/	/	/	/	/	/	/	/	/
Emerg reeds/wetland reeds	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)	/	/	/	/	/	/	/	/	/	/
Free-floating	/	/	/	/	/	/	/	/	/	/
Amphibious	/	/	/	/	/	/	/	/	/	/
Submerged broad-leaved	/	/	/	/	/	/	/	/	/	/
Submerged fine/linear-leaved	/	/	/	/	/	/	/	/	/	/
Filamentous algae	/	/	/	/	/	/	/	/	/	/

SITE NO. 6228 RIVER HABITAT SURVEY: 500m SWEEP

**LAND USE WITHIN 5m OF BANKTOP (top & left bank)**

	L	R		L	R
Broadleaf/mailed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled bed (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' reed vegetation (TH)			Suburban/urban development (SU)		

**LAND USE WITHIN 5m OF BANKTOP (right bank)**

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	L	L	Reinforced - whole bank	E	E
Vertical + toe			Reinforced - top only		
Slope (>45°)			Reinforced - toe only		
Castle			Artificial two-stage		
Composite			Poached		
			Embanked		
			Set-back embankments		

**PERCENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per band)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (2-33%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/contored	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATERBODIES**

Waterbody(s)	None	Percent E	Marginal deadwater	None	Percent E (2-33%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mudbar island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): STAGNANT POOL + DRY

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	<u>5.00</u>	RIGHT BANK
Banktop height (m)	Water width (m)	<u>0.30</u>	Banktop height (m)
Embanked height (m)	Water depth (m)	<u>0.05</u>	Embanked height (m)

If transect lower than banktop break in slope, indicate: height (m) = 0.75 width (m) = 2.25

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION ATTRIBUTES (to be measured at one site on a straight uniform section, preferably across a riffle)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Roadbridges = 1 Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weirs/banks? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Weed-cutting   
 Embankment  Other? State: \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CROCKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES  8% MAX AGGRAVATED

**NOTABLE NUISANCE PLANT SPECIES (Use USE E (2-33% banktop) IFE note LARGE STANDS of others IFE)**

None  Giant Hogweed  Hivalysia Balsam  Japanese Knotweed  Other? Nettle Rhododendron Toxicus

**MAJOR CHARACTERISTICS (Circle appropriate box(es) (tick one or more if necessary))**

Major impacts: bankfill - topping - filter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? = \_\_\_\_\_  
 Land Management: set aside - buffer strip - bankland - abandoned land - partitioned - MoD - other? = \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Other significant observations: VIRTUALLY DRY STREAM - TOTALLY RECOGNISED RUNNING THROUGH RICH ANGLE LAND.

**ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discontinued Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Dfnh geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6229  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: GYPSY RACE  
 Date: 15.1.1996 Time: 15.00 Surveyor name: DEVLIE Accreditation code: PFS  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles: 2 Unvegetated point bars: 0  
 Pools: 3 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (see IFE) for Riffles (1) Pools (1) Unveg side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* = one entry only**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

**LEFT BANK TICK if functional fence**

Material: EA CA EA EA EA GS EA GS EA CL  
 Bank modification(s): RS RS RS RS RS RS RS RS RS RS  
 Bank feature(s): NO NO NO NO NO NO NO NO NO NO

**CHANNEL NEW: substrate type**

Channel substrate: GP SI SI SI SI SI SI SI GP NV  
 Substrate shape: FL OF EL SF CU PO B Other  
 Flow type: FF CHAN UN CF RP UF SHM NO SM NP NP NP NP NP SM NP NP SM

Channel modification(s): NO NO NO NO NO NO NO NO NO NO  
 Channel feature(s): NO NO NO NO NO NO NO NO NO NO

**RIGHT BANK TICK if functional fence**

Material: EA CA EA EA EA GS EA GS GS CL  
 Bank modification(s): RS RS RS RS RS RS RS RS RS RS  
 Bank feature(s): NO NO NO NO NO NO NO NO NO NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, DE, MH, SC, TH, RP, AS, TL, WL, OW, SU

	BL	TL	BL	TH	TH	TH	TH	TH	TH
--	----	----	----	----	----	----	----	----	----

**G CHANNEL VEGETATION TYPES (flow wide transect: E (2-3% cover) or tick (species) 500m)**

NONE	PLANT GENERA - list first 5								
Bryophytes/lichens									
Emerg broad-leaved herbs	MENT, PONT								
Emerg reeds/sedges/rushes	SPH, PHAL, ICS	E	/	/	E	/	E	/	E
Floating-leaved (rooted)									
Frac-floating									
Amphibious	VERU	/	/	/	/	/	/	/	/
Submerged broad-leaved									
Submerged fine/linear-leaved									
Filamentous algae									

SITE NO. 6229 1996 RIVER HABITAT SURVEY: 300M SWEEP UP

**H HABITAT USE WITHIN 50M OF BANKTOP (tick E (2-3% cover) or tick (species) 500m)**

	L	R		L	R
--	---	---	--	---	---

Broadleaf/mixed woodland (BL)  /  Rough pasture (RP)   
 Coniferous plantation (CP)  Improved/semi-improved grass (IG)   
 Orchard (OR)  Tilled land (TL)     
 Moorland/heath (MH)  Wetland (eg bog, marsh, fen) (WT)   
 Scrub (SC)  Open water (OW)   
 Tall herbs/ reed vegetation (TH)   Suburban/urban development (SU)

**I CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	9.00	RIGHT BANK	
	Banktop height (m)	1.70	Water width (m)	2.75
	Banktop height (m)		Water depth (m)	0.02
			Embanked height (m)	

If trapezoidal then banktop break in slope, indicate: height (m) = 0.44 Overbank (m) = 4.75

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**J CHANNEL FEATURES (tick appropriate box(es))**

None  Number of Culverts = Footbridges = Weirs = Outfalls = Fords =  
 Roadbridges = 1 Other =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**K EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**L FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Graded/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fens  Flush

**M CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**N NOTABLE RUSSIAN PLANT SPECIES (Use D or E (2-3% height)) IFE note: LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Note: Rhododendron bracteatum

**O OVERALL CHARACTERISTICS (Circle appropriate box(es) and tick (others) as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - (contaminant) afforestation / fisheries management - siltation - other? =  
 Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: VERY RECENTLY DREDGED TO MAKE VERY DEEP POOL  
 LOCALITY: RISE FOR FISH (MINIMUM AVERAGE VELOCITY) WITH 10% VELOCITY  
 AND SOME SQUARE LUNGS - A NICE  
 \* UPSTREAM FROM BRIDGE (S 1) SEVER CHANNELS & VEGETATED

**P ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

Indicate predominant flow sequence (select up to three features): POOL (main mark)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**H HABITAT USE WITHIN 50M OF BANKTOP (tick E (2-3% cover) or tick (species) 500m)**

	L	R		L	R
--	---	---	--	---	---

Broadleaf/mixed woodland (BL)  /  Rough pasture (RP)   
 Coniferous plantation (CP)  Improved/semi-improved grass (IG)   
 Orchard (OR)  Tilled land (TL)     
 Moorland/heath (MH)  Wetland (eg bog, marsh, fen) (WT)   
 Scrub (SC)  Open water (OW)   
 Tall herbs/ reed vegetation (TH)   Suburban/urban development (SU)

**I CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	9.00	RIGHT BANK	
	Banktop height (m)	1.70	Water width (m)	2.75
	Banktop height (m)		Water depth (m)	0.02
			Embanked height (m)	

If trapezoidal then banktop break in slope, indicate: height (m) = 0.44 Overbank (m) = 4.75

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**J CHANNEL FEATURES (tick appropriate box(es))**

None  Number of Culverts = Footbridges = Weirs = Outfalls = Fords =  
 Roadbridges = 1 Other =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**K EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**L FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Graded/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fens  Flush

**M CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**N NOTABLE RUSSIAN PLANT SPECIES (Use D or E (2-3% height)) IFE note: LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Note: Rhododendron bracteatum

**O OVERALL CHARACTERISTICS (Circle appropriate box(es) and tick (others) as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - (contaminant) afforestation / fisheries management - siltation - other? =  
 Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: VERY RECENTLY DREDGED TO MAKE VERY DEEP POOL  
 LOCALITY: RISE FOR FISH (MINIMUM AVERAGE VELOCITY) WITH 10% VELOCITY  
 AND SOME SQUARE LUNGS - A NICE  
 \* UPSTREAM FROM BRIDGE (S 1) SEVER CHANNELS & VEGETATED

**P ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

Indicate predominant flow sequence (select up to three features): POOL (main mark)

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6230  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: ?  
 Date: 2/5/1996 Time: 11.10 Surveyor name: HO Accreditation code: PF7  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vcc  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vcc  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles: NONE Unvegetated point bars  
 Pools: \_\_\_\_\_ Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is upstream  downstream

LEFT BANK	TICK if functional feature	1	2	3	4	5	6	7	8	9	10
Material (M) AC, BC, CO, CS, EA, FE, GE, GP, HE, HO, HS, IS, JA, KA, LA, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ											

**P BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from AL, CP, DM, GM, HC, HM, HP, IL, JL, KL, ML, NU, SU

LAND USE WITHIN 5m OF BANKTOP (L)	3G	3G	3G	3G	3G	3G	3G	3G	3G	3G	3G
LEFT BANK TOP (structure within 1m) BAUSC	3	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BAUSC	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BAUSC	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) BAUSC	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	3G	3G	3G	3G	3G	3G	3G	3G	3G	3G	3G

**Q CHANNEL VEGETATION TYPES (10m wide transect: E (2-33% dense) or less (present) 500m long)**

NONE	PLANT GENERA - list first 5										
Bryophytes/lichens											
Emerg broad-leaved herbs											
Emerg reeds/sedges/rushes											
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine/linear-leaved											
Filamentous algae											

SITE NO: 6230 1996 RIVER HABITAT SURVEY: 500m SWEEP UP

**L LAND USE WITHIN 5m OF BANKTOP (Use E (2-33% banklength) or less (present) 500m long)**

Broadleaved woodland (BL)							
Coniferous plantation (CP)							
Orchard (OR)							
Woodland/heath (WH)							
Scrub (SC)							
Tall herbs/ reed vegetation (TH)							
Natural/unmodified							
Vertical/undrains							
Vertical + toe							
Slope (> 45°)							
Quack							
Composite							

**R EXTENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)		ASSOCIATED FEATURES (tick one box per feature)	
None	Left	Right	None
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs
Occasional clump	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bankside roots
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees
			Course woody debris

**S WATERBODIES**

Waterfall(s)	None	Present	E (2-33%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): *uphill*

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	2.7m	RIGHT BANK	
Banktop height (m)	Water width (m)	2m	Banktop height (m)	0.6m
Embanked height (m)	Water depth (m)	0.2m	Embanked height (m)	

If trouble lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M NOTABLE PLANT SPECIES (circle appropriate words, add others as necessary)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = 11  Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = 1  Other = pipeline 1

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Wood cutting   
 Enhancement  Other: Stake

**O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q NOTABLE NUISANCE PLANT SPECIES Use O or E (2-33% banklength) - IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other: Neritic Rhododendron bractea

**R OVERALL CHARACTERISTICS (circle appropriate words, add others as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - dredge - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management (fishing) - other: \_\_\_\_\_

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = *improved grass*

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: *bright pink worm in water*  
*Quack drainage channel At least 50cm's silt in bed*

**S ALDERS (tick appropriate box(es))**

Absent? None  Present  Extensive  Discard Alder? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing. Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6234  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: LONG PRESTON BECK  
 Date 16.1.1996 Time: 1:46 Surveyor name DUNCAN Accreditation code: PF 27

Adverse conditions affecting survey? No  Yes  If yes, state ...  
 Bod of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 8 Unvegetated point bars 2  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

FULLY (use JHT) for Mifflin  Pugh  Unveg side bars  Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect). 1 = one entry only**

Spot check #	upstream	downstream	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>												
Material	BR	EA	EA	BO	BO	EA	EA	EA	BO	BO		
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SC	SC	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>												
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RL, LP, GR, MR, SC, TH, RP, NO, FL, WT, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	SC	SC	IF	IF	IF	IF	IF	IF	IF	IF	IF
LEFT BANK TOP (structure within 1m)	S	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	B	U	B	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m)	U	U	B	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	U	B	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IF	IF	IF	IF	IF	IF	IF	IF	IF	IF	IF	IF

**G. CHANNEL VEGETATION (YES/NO) or tick (species) (tick one box)**

NONE / PLANT GENERA - list first 5												
Bryophytes/lichens												
Emerg broad-leaved herbs												
Emerg reeds and sedges/rushes												
Floating-leaved (runnel)												
Free-floating												
Amphibious												
Submerged broad-leaved												
Submerg fine/linear-leaved												
Filamentous algae												

SITE NO. 6234

**H. LAND USE WITHIN 50m OF BANKTOP**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OK)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WE)		
Scrub (SC)			Open water (OW)		
Tall herb/ meadow vegetation (TH)			Suburban/urban development (SU)		

**I. CHANNEL VEGETATION (YES/NO) or tick (species) (tick one box)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/rockcut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

**J. TRISSES (tick one box per bank)**

None	Left	Right	None	Present E (2-33%)
Isolated/scattered			Shading of channel	
Regularly spaced, single			Overhanging boughs	
Occasional change			Exposed bankside roots	
Scattered continuous			Underwater tree roots	
Continuous			Fallen trees	
			Conns woody debris	

**K. ASSOCIATED FEATURES (tick one box per feature)**

None	Present E (2-33%)
Marginal deadwood	
Exposed bedrock	
Exposed boulders	
Unvegetated mid-channel bar(s)	
Vegetated mid-channel bar(s)	
Marsh island(s)	
Unvegetated side bar(s)	
Vegetated side bar(s)	

**L. WATERBARS**

Waterbar(s)	None	Present E (2-33%)
Caricade(s)		
Rap(s)		
Riffle(s)		
Run(s)		
Bank(s)		
Obst(s)		
Pool(s)		

Indicate predominant flow sequence (select up to three features): chute - Run

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

**M. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	5.0	RIGHT BANK
Banktop height (m)	0.45		Banktop height (m)
Embankment height (m)			Embankment height (m)
Water width (m)		4.5	Water depth (m)
Water depth (m)		0.2	

If trushes lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**N. CHANNEL VEGETATION (YES/NO) or tick (species) (tick one box)**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 1  
 Footbridges = 1 Roundbridges = 0 Other = 0  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**O. CHANNEL VEGETATION (YES/NO) or tick (species) (tick one box)**

None  Dredging  Moving  Wood-cutting   
 Enhancement  Other  Silt

**P. CHANNEL VEGETATION (YES/NO) or tick (species) (tick one box)**

None  Artificial open water  Bog   
 Brushed/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Flm  Flush

**Q. CHANNEL VEGETATION (YES/NO) or tick (species) (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**R. CHANNEL VEGETATION (YES/NO) or tick (species) (tick one box)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other  Nettle Rhododendron bracken

**S. CHANNEL VEGETATION (YES/NO) or tick (species) (tick one box)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - oil - housing - mining - quarrying - overstepping - afforestation - fabricia management - siting - fish - fish

Land Management: set-back - buffer strip - bankland - abandoned land - parkland - MoD - other

Animals: otter - mink - water vole Great fish - dipper - grey wagtail - and snails - heron - dragonflies/damselflies

Other significant observations: locals say there is a Kingfisher & that it lives in a salmon stream. Seen Frey gam. some winding stream in ground valley.

Alders: None  Present  Extensive  Decayed Alders: None  Present  Extensive

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation? **NO**  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: **6235**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **FLASHY BECK**  
 Date: **6.5.1996** Time: **11:35** Surveyor name: **DUNCAN** Accreditation code: **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  IV concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS**

Rifles **12** Unvegetated point bars **0**  
 Pools **0** Vegetated point bars **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 M. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 in upstream ↓ downstream ✓

LEFT BANK	TICK if functional	1	2	3	4	5	6	7	8	9	10
Material <b>W, M, B, CO, CS, EA, FC, CL, CC, SP, CP, CA, BR, BR, BR</b>	<b>RE EA EA EA EA EA EA EA EA EA EA EA</b>										
Bank modification(s) <b>WE, MO, RS, RI, FC, BR, BR, BR</b>	<b>RE NX NO NO NO NO NO NO NO NO NO NO</b>										
Bank feature(s) <b>W, MO, EC, SC, FB, VP, SB, VS</b>	<b>NO NO NO NO NO NO NO NO NO NO NO</b>										
Channel substrate <b>W, M, B, CO, CS, EA, FC, CL, CC, SP, CP, CA, BR, BR, BR</b>	<b>CO CO YE DO CO NV GS BE CO NV</b>										
Substrate shape <b>FL, OF, EL, SF, CU, PD, R, DM, W, W</b>	<b>IR IR NA FL IR NA NA NA ER NA</b>										
Flow type <b>IF, CH, SW, UP, CF, RP, UP, SM, SP, NO</b>	<b>WJ RP MP SM WJ SM WJ SM WJ SM</b>										
Channel modification(s) <b>WE, MO, CV, AS, RI, DA, PD</b>	<b>NO NO NO NO NO NO NO NO NO NO</b>										
Channel feature(s) <b>W, MO, RS, RI, FC, BR, BR, BR</b>	<b>NO NO NO NO NO NO NO NO NO NO</b>										
<b>RIGHT BANK</b>	<b>TICK if functional</b>										
Material <b>W, M, B, CO, CS, EA, FC, CL, CC, SP, CP, CA, BR, BR, BR</b>	<b>EA EA EA EA EA EA EA EA EA EA EA</b>										
Bank modification(s) <b>WE, MO, RS, RI, FC, BR, BR, BR</b>	<b>NO NO NO NO NO NO NO NO NO NO</b>										
Bank feature(s) <b>W, MO, EC, SC, FB, VP, SB, VS</b>	<b>NO NO NO NO NO NO NO NO NO NO</b>										

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from **BL, CP, DR, NH, SC, TH, RP, RI, FL, WL, OW, SU**

LAND USE WITHIN 5m OF BANKTOP (L)	SU	BL	IG	RS	IF	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) <b>BL/SC</b>	<b>B</b>	<b>B</b>	<b>S</b>	<b>S</b>	<b>U</b>	<b>U</b>	<b>S</b>	<b>U</b>	<b>U</b>	<b>U</b>
LEFT BANK FACE (structure) <b>BL/SC</b>	<b>B</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>S</b>	<b>B</b>	<b>S</b>
RIGHT BANK FACE (structure) <b>BL/SC</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>C</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>B</b>	<b>U</b>
RIGHT BANK TOP (structure within 1m) <b>BL/SC</b>	<b>S</b>	<b>S</b>	<b>U</b>	<b>U</b>	<b>S</b>	<b>U</b>	<b>S</b>	<b>S</b>	<b>S</b>	<b>U</b>
LAND USE WITHIN 5m OF BANK TOP (R)	<b>TH</b>	<b>IG</b>	<b>IG</b>	<b>TH</b>	<b>IG</b>	<b>IG</b>	<b>IG</b>	<b>IG</b>	<b>TH</b>	<b>IG</b>

**G. CHANNEL VEGETATION TYPES (tick one)**

NONE	PLANT GENERA - list first 5								
Bryophytes/lichens		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
Emergent broad-leaved herbs		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent reeds/edges/rushes		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			
Flowing-leaved (rooted)									
Free floating									
Amphibious		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Submerged broad-leaved									
Submerged fine/linear-leaved		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Filamentous algae		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

IFE NO. **6235**

**H. CHANNEL VEGETATION TYPES (tick one)**

None/modified	L	R	Artificial/modified	L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs: reed vegetation (TH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**I. CHANNEL VEGETATION TYPES (tick one)**

None/modified	L	R	Artificial/modified	L	R
Vertical/embankment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sheep (> 65%)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		<input checked="" type="checkbox"/>
			Embanked		
			Sci-back embankments		

**J. TREES (tick one box per feature)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (≥ 11%)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Felled trees	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**K. CHANNEL VEGETATION TYPES (tick one)**

None	Percent E	None	Percent E (≥ 11%)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **Riffle - Run/Pool**

**L. RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES**

**M. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<b>5.35</b>	RIGHT BANK		
Banktop height (m)	<b>0.2</b>	Water width (m)	<b>5.15</b>	Banktop height (m)	<b>0.55</b>
Embankment height (m)	<input checked="" type="checkbox"/>	Water depth (m)	<b>0.06</b>	Embankment height (m)	<input checked="" type="checkbox"/>

If gradient lower than banktop break in slope, indicate: height (m) =  width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**N. CHANNEL VEGETATION TYPES (tick one)**

None  Number of Culverts = **0** Weirs = **1** Outfalls = **0** Fords = **0**  
 Footbridges = **0** Roadbridges = **0** Other = **0**  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**O. CHANNEL VEGETATION TYPES (tick one)**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? Stone

**P. CHANNEL VEGETATION TYPES (tick one)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

Is 13% or more of the channel choked with vegetation? NO  YES

**Q. CHANNEL VEGETATION TYPES (tick one)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle/Rhododendron bracken

**R. CHANNEL VEGETATION TYPES (tick one)**

Major impacts: heath/ff - tipping - litter  pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper  grey wagtail  sand martin  heron  dragonflies/damselflies

Other significant observations: **river flowing through grazing land & next to farm (D1). At 1pt in the site a load of rubble appears to have been dumped in channel to the bank erosion on left, looks like a side ear (see photo)**

Address? None  Present  Extensive  Disused Address? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IPIE grids for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation? NO  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6236  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: HAW BECK  
 Date: 15/02/1996 Time: 09:25 Surveyor name: JAWANJ Accreditation code: PF27  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/howl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles: 1 Unvegetated point bars: 1  
 Pools: 1 Vegetated point bars: 2

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 4

TALLY (see IPIE for Riffles) Unveg. side bars Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel width 2.5m wide transect) (to be done only once)**

Spot check 1 m upstream	1	2	3	4	5	6	7	8	9	10
Material	BR	EF	FA	EP	EA	EA	EA	EA	EA	EA
Bank modification(s)	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Bank feature(s)	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Channel substrate	GP	GS	GS	SP	GP	GP	GP	GP	GP	GP
Substrate shape	TR	NA	NA	SR	SR	SR	TR	TR	TR	TR
Flow type	RP	RP	SA	RP	SA	RP	UW	UW	UW	SA
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK TICK if functional fence**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	EC	NO	NO	VP	NO	VP	NO	VS

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CL, HL, MH, SC, TH, TR, UG, PL, NL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SA	SU	TH	TH	TH	GC	TH	SU
LEFT BANK TOP (structure within 1m)	S	U	S	S	S	S	S	C	S	B
LEFT BANK FACE (structure)	S	B	B	B	B	B	U	S	U	S
RIGHT BANK FACE (structure)	S	U	B	S	B	U	S	S	U	S
RIGHT BANK TOP (structure within 1m)	S	U	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	TH	TH	TH	TH	TH	TH	TH	TH	SC

**G. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect)**

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent reeds/rushes										
Floating-leaved (free)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear leaved										
Filamentous algae										

SITE NO. 6236

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/improved grass (IG)		
Orchard (OR)			Tiled roof (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embankment		
			Set-back embankments		

**TREES (tick one box per bank)**

None	Left	Right	Associated features (tick one box per feature)
Isolated/scattered			Shading of channel
Regularly spaced, single			Overhanging boughs
Occasional clumps			Exposed bankside roots
Semi continuous			Underwater tree roots
Continuous			Fallen trees
			Coarse woody debris

Indicate predominant flow sequence (select up to three features): R/R - R/W

1996 RIVER HABITAT SURVEY DIMENSIONS AND ENERGIES

**A. CHANNEL DIMENSIONS (to be assessed across channel width 2.5m wide transect)**

LEFT BANK	Banktop width (m)	1.45	RIGHT BANK	
Banktop height (m)	0.1	Water width (m)	1.45	Banktop height (m)
Embankment height (m)	X	Water depth (m)	0.06	Embankment height (m)

If trapezium lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact)  unconsolidated (loose)

Location of measurement is: riffle  run or glide  other  (tick one box)

**B. WATER QUALITY PATTERNS**

None  Number of Culverts = 0 Weirs = 0 Overfalls = 1 Fords = 0  
 Footbridges = 1 Roadbridges = 0 Other = 0  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**C. EVIDENCE OF FLOOD MANAGEMENT**

None  Dredging  Mowing  Wood cutting   
 Embankment  Other? State: \_\_\_\_\_

**D. CHARACTER OF CHANNEL FEATURES**

None  Waterfalls > 5m high  Artificial open water  Bog   
 Braided/side channels  Natural open water  Carr  (Other) (State) \_\_\_\_\_  
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flurb

**E. CHANNEL CHOKING**

Is 33% or more of the channel choked with vegetation? NO  YES

**F. OTHER OBSERVATIONS**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick)  Rhododendron bractea

**G. CHANNEL HISTORIC USE**

Major impact: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - industry - housing - grazing (overgrazing) - overstocking - afforestation - fisheries management - other? \_\_\_\_\_

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? \_\_\_\_\_

Animals: other - snail - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Not of site but remains between railway & quarry off flow with gate (about 50m of some?) up has great diversity of bank side plants, quite pretty

Alders? None  Present  Extensive  Diamond Alders? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFR notes for plant genera and feeding Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation? AD  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: **6238**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **CRIMPLE BECK**  
 Date: **15/11/1996** Time: **16:09** Surveyor name: **DUNCAN** Accreditation code: **PER7**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND SLOTTED BARS**

Rifles: 20 Unvegetated point bars: 0  
 Pools: 3 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAKEHAM, BN20 6BB

1996 RIVER HABITAT SURVEY WITH SPOT CHECKS Page 2 of 4

TALLY (see IFR for Riffles) Use Veg code bars Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel width (riparian) or wide (riparian) or wide (riparian) only)**

Spot check 1 is representative of stream reach	1	2	3	4	5	6	7	8	9	10
Material (M) NO CO GZ EA PL CL CC U PF LL W M S V	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (B) NO GZ PL FC BM EN	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (F) NO FC SC PO PF SO VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (S) NO GZ CO GZ M S CL PL AR	CO	CO	CO	GP	ST	CO	CO	CO	NO	NO
Substrate shape (SH) NO CL U CU PD SL Other	IR	FL	IR	IR	IR	NA	IR	IR	IR	NA
Flow type (FT) NO SL UN LF SF SF SF SF SF SF SF SF	RP	PP	UN	SM	SM	SM	RP	UN	SM	SM
Channel bank features (C) NO FC SC PO PF SO VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (F) NO FC SC PO PF SO VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**R. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use (choose one from B, CP, PL, WM, KC, PL, SF, NO, GZ, UN, SU)

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	UN	BL	BL	PL	IF	IG	IG
LEFT BANK-TOP (structure within 5m) (L) BUNSC	B	S	S	U	U	S	S	A	U	U
LEFT BANK FACE (structure) (L) BUNSC	U	S	S	U	S	S	S	U	U	U
RIGHT BANK FACE (structure) (R) BUNSC	U	S	S	U	U	B	S	S	S	S
RIGHT BANK-TOP (structure within 5m) (R) BUNSC	U	S	U	S	U	B	S	S	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	IG	SC	PL	BL	BL	IL	IG	PL

**R. BANKTOP VEGETATION TYPES**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emergent broad leaved herbs										
Emergent reed/sedge/rushes										
Floating leaved (rooted)										
Flood-tolerant										
Amblygon										E
Submerged broad leaved										
Submerged freshwater leaved										
Filamentous algae										E

SITE NO. **6238**

Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OK)			Tiled hard (TL)		E
Moorland/heath (MH)			Wasteland (eg bog, marsh, fen) (WZ)		V
Scrub (SC)	E	V	Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)	V	

**NATURAL/UNMODIFIED**

Natural/unmodified bed	L	R	Artificial/modified	L	R
Vertical/obscure		E	Reinforced		
Vertical + toe			Reinforced - whole bank	V	V
Slope (> 45°)		E	Reinforced - top only		
Grade		V	Reinforced - toe only		
Concrete			Artificial toe-wings		
			Punched		
			Embedded		
			Set back embankments		

**TERMS (tick one box per bank)**

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	None	<input type="checkbox"/>	Percent E (2.11%)
Irregular/cutbank	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Occasional changes	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Some continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Palm trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	<input type="checkbox"/>	Percent E	<input type="checkbox"/>	Marginal denudator	None	<input type="checkbox"/>	Percent E (2.11%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ran(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature silted(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grate(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **Run - ...**

1996 RIVER HABITAT SURVEY WITH DIMENSIONS AND NUMBERINGS

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	1.00	RIGHT BANK	Banktop width (m)	0.05
Banktop height (m)	Water width (m)	0.75	Banktop height (m)	Water width (m)	0.05
Embankment height (m)	Water depth (m)	0.05	Embankment height (m)	Water depth (m)	0.05

If unstable lower than banktop track in slope, indicate height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)

Location of measurement is: riffle  run or glide  other  (tick one box)

**NATURAL FEATURES**

None  Number of Obstacles = 0 Weirs = 0 Outfalls = 1 Fords = 0  
 Footbridges = 0 Roadbridges = 1 Other = 0  
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF ALTERATION**

None  Drifting  Mowing  Wood cutting   
 Enhancement  Other? Stone

**CHARACTERS OF CHANNELS (tick one box per channel)**

None	<input type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Bog	<input type="checkbox"/>	Other (state)	<input checked="" type="checkbox"/>
Waterfalls > 5m high	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Cur	<input type="checkbox"/>		
Bankside channels	<input type="checkbox"/>	Water meadow	<input type="checkbox"/>	Marsh	<input checked="" type="checkbox"/>		
Debris dams	<input checked="" type="checkbox"/>	Pan	<input type="checkbox"/>	Flank	<input type="checkbox"/>		
Leaky debris	<input type="checkbox"/>						

Is 11% or more of the channel choked with vegetation? NO  YES

**ALTERATION**

None  Extensive  Disrupted  None  Process  Extensive

Major impacts: landfill - tipping - litter (garbage) pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silt - other? =

Land Management: set aside - buffer strip - broadland - abandoned land - parkland - MoD - other? = **Agriculture**

Animals: otter - mink - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonfly/damselfly

Other significant observations: **in 1 storage ditch, D: of a small weir, with a V-shaped basin**



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

### A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation?  NO  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

### B. FIELD SURVEY DETAILS

Reference network site number: **6240**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: **SIKE BECK**  
 Date: **15/11/1996** Time: **9:05** Surveyor name: **DUNNAN** Accreditation code: **PFZ?**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 duplicate will be made by scanning? No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

### C. PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

### D. NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one number)

Riffles: **3** Unvegetated point bars:   
 Pools: **1** Vegetated point bars:

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

Left bank (use left for riffles) \_\_\_\_\_ Right bank \_\_\_\_\_ Unveg. with bars \_\_\_\_\_ Veg. point bars \_\_\_\_\_

### E. PHYSICAL ATTRIBUTES (to be assessed across channel width if the wide transect) or bank only

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material <input checked="" type="checkbox"/> GA <input checked="" type="checkbox"/> EA <input checked="" type="checkbox"/> EA <input checked="" type="checkbox"/> EA <input checked="" type="checkbox"/> EA <input checked="" type="checkbox"/> EA <input checked="" type="checkbox"/> EA <input checked="" type="checkbox"/> EA <input checked="" type="checkbox"/> EA <input checked="" type="checkbox"/> EA	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank modification(s) <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <input checked="" type="checkbox"/> SA <input checked="" type="checkbox"/> SA <input checked="" type="checkbox"/> SE <input checked="" type="checkbox"/> SE <input checked="" type="checkbox"/> SE <input checked="" type="checkbox"/> SE <input checked="" type="checkbox"/> SE <input checked="" type="checkbox"/> SE <input checked="" type="checkbox"/> SE	SA	SA	SE	SE	SE	SE	SE	SE	SE	SE
Substrate shape <input checked="" type="checkbox"/> NA <input checked="" type="checkbox"/> NA <input checked="" type="checkbox"/> NA <input checked="" type="checkbox"/> NA <input checked="" type="checkbox"/> NA <input checked="" type="checkbox"/> NA <input checked="" type="checkbox"/> NA <input checked="" type="checkbox"/> NA <input checked="" type="checkbox"/> NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type <input checked="" type="checkbox"/> SM <input checked="" type="checkbox"/> SM <input checked="" type="checkbox"/> SM <input checked="" type="checkbox"/> SM <input checked="" type="checkbox"/> SM <input checked="" type="checkbox"/> SM <input checked="" type="checkbox"/> SM <input checked="" type="checkbox"/> SM <input checked="" type="checkbox"/> SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, DR, MH, SC, TH, RP, GL, RL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TL	TL	TH	TH	TH	TH	SM	SC	S
LEFT BANK TOP (structure within 1m) BU/SC	S	S	S	S	S	S	S	B	C	C
LEFT BANK FACE (structure) BU/SC	S	S	S	S	S	B	B	B	C	S
RIGHT BANK FACE (structure) BU/SC	S	S	S	S	U	C	B	S	B	
RIGHT BANK TOP (structure within 1m) BU/SC	C	C	C	C	C	C	C	B	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	TG	TG	SC	SC	BL	SC	CU	TH	TH

### G. BANKTOP VEGETATION NOTES (tick one)

NONE  PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad leaved herbs										
Emerg reeds/wedges/rushes										
Flowering leaved (rooted)										
Free-flowering										
Amphibious										
Submerged broad leaved										
Submerged fine/linear leaved										
Filamentous algae										

SITE NO. **6246**

### H. CHANNEL VEGETATION

	L	R		L	R
Broadleaved woodland (BL)		E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/local-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	E
Marehail/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs / reed vegetation (TR)	E	E	Suburban/urban development (SU)	E	

### I. CHANNEL BANKS

	L	R	Artificial/modified	L	R
Natural/unmodified			Embankment		
Vertical/overcut			Reinforced - whole bank	E	E
Vertical + toe			Reinforced - top only		
Steep (>45°)		E	Reinforced - toe only	E	✓
Graded			Artificial two-stage		
Composite			Poached		
			Embanked		
			Set back embankments		

### J. TREES (tick one box per bank)

None	Left	Right	Shading of channel	None	Present E (≥ 33%)
Isolated/scattered	✓	✓	Overhanging boughs	✓	✓
Regularly spaced, single			Exposed bankside roots	✓	✓
Occasional clumps			Underwater tree roots	✓	✓
Small continuous			Fallen trees	✓	✓
Continuous			Coarse woody debris	✓	✓

### K. ASSOCIATED FEATURES (tick one box per feature)

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (≥ 33%)
Canal(s)	✓	✓	Exposed bedrock	✓	✓
Rapid(s)	✓	✓	Exposed boulders	✓	✓
Riffle(s)	✓	✓	Unvegetated mid-channel bar(s)	✓	✓
Run(s)	✓	✓	Vegetated mid-channel bar(s)	✓	✓
Bank(s)	✓	✓	Mature alder(s)	✓	✓
Slide(s)	✓	✓	Unvegetated side bar(s)	✓	✓
Pool(s)	✓	✓	Vegetated side bar(s)	✓	✓

Indicate predominant flow sequence (select up to three features): **Grills**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND DIMENSIONS

### L. CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	<b>0.85</b>	RIGHT BANK		
Banktop height (m)	<b>0.05</b>	Water width (m)	<b>0.75</b>	Banktop height (m)	<b>0.05</b>
Embanked height (m)		Water depth (m)	<b>0.02</b>	Embanked height (m)	

If waterline lower than banktop break in slope, indicate: height (m) = **0.02** width (m) = **0.75**

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

### M. CHANNEL FEATURES

None  Number of Culverts = **1** Weirs = **0** Outfalls = **0** Fords = **0**  
 Footbridges = **0** Roadbridges = **1** Other = **0**

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

### N. EVIDENCE OF CHANNEL MANAGEMENT

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? Stone

### O. FEATURES OF SPECIAL INTEREST

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

### P. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO  YES

### Q. NOTABLE NUISANCE PLANTS

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick) **Rhododendron bracteata**

### R. OTHER OBSERVATIONS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - **powerpumping** - afforestation - fabricator management - siting - other? = \_\_\_\_\_

Land Management: no work - buffer strip - headland - abandoned land - parkland - MoD - other? = **Agricultural**

Animals: other - mist - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: **Domestic milk running around the edge of fields**

Address: None  Present  Extensive  Diamond Address? None  Present  Extensive

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation? NO  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6241  
 Mid-site grid reference of network site if different from designated location:

Grid Reference River: BWRR DIKE  
 Date 20/5/1996 Time: 0:50 Surveyor name DUNAN Accreditation code P27  
 Adverse conditions affecting survey? No  Yes  If yes, state: ...  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFF single photograph, general character? No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vcc  concave/bowl (if U-shaped glacial valley, add "U")  
 deep vcc  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFF - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFF, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT-CHECKS Page 2 of 4

TALLY (use Jiffi for Riffles Pools) (Average tide bars Veg point bars)

**G PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* m one tally only**

Spot check 1 to 10	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if functional zone										
Material <input type="checkbox"/> BA <input type="checkbox"/> CA <input type="checkbox"/> EA <input type="checkbox"/> FA <input type="checkbox"/> GA <input type="checkbox"/> HA <input type="checkbox"/> IA <input type="checkbox"/> JA <input type="checkbox"/> KA <input type="checkbox"/> LA <input type="checkbox"/> MA <input type="checkbox"/> NA <input type="checkbox"/> OA <input type="checkbox"/> PA <input type="checkbox"/> QA <input type="checkbox"/> RA <input type="checkbox"/> SA <input type="checkbox"/> TA <input type="checkbox"/> UA <input type="checkbox"/> VA <input type="checkbox"/> WA <input type="checkbox"/> XA <input type="checkbox"/> YA <input type="checkbox"/> ZA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input type="checkbox"/> ME <input type="checkbox"/> MA <input type="checkbox"/> MI <input type="checkbox"/> MO <input type="checkbox"/> MU <input type="checkbox"/> MV <input type="checkbox"/> MX <input type="checkbox"/> MY <input type="checkbox"/> MZ	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <input type="checkbox"/> BF <input type="checkbox"/> BF1 <input type="checkbox"/> BF2 <input type="checkbox"/> BF3 <input type="checkbox"/> BF4 <input type="checkbox"/> BF5 <input type="checkbox"/> BF6 <input type="checkbox"/> BF7 <input type="checkbox"/> BF8 <input type="checkbox"/> BF9 <input type="checkbox"/> BF10	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL VEGETATION</b>										
Channel substrate <input type="checkbox"/> SA <input type="checkbox"/> SB <input type="checkbox"/> SC <input type="checkbox"/> SD <input type="checkbox"/> SE <input type="checkbox"/> SF <input type="checkbox"/> SG <input type="checkbox"/> SH <input type="checkbox"/> SI <input type="checkbox"/> SJ <input type="checkbox"/> SK <input type="checkbox"/> SL <input type="checkbox"/> SM <input type="checkbox"/> SN <input type="checkbox"/> SO <input type="checkbox"/> SP <input type="checkbox"/> SQ <input type="checkbox"/> SR <input type="checkbox"/> SS <input type="checkbox"/> ST <input type="checkbox"/> SU <input type="checkbox"/> SV <input type="checkbox"/> SW <input type="checkbox"/> SX <input type="checkbox"/> SY <input type="checkbox"/> SZ	ST	ST	ST	ST	ST	ST	ST	ST	ST	ST
Substrate shape <input type="checkbox"/> FL <input type="checkbox"/> FL1 <input type="checkbox"/> FL2 <input type="checkbox"/> FL3 <input type="checkbox"/> FL4 <input type="checkbox"/> FL5 <input type="checkbox"/> FL6 <input type="checkbox"/> FL7 <input type="checkbox"/> FL8 <input type="checkbox"/> FL9 <input type="checkbox"/> FL10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type <input type="checkbox"/> FT <input type="checkbox"/> FT1 <input type="checkbox"/> FT2 <input type="checkbox"/> FT3 <input type="checkbox"/> FT4 <input type="checkbox"/> FT5 <input type="checkbox"/> FT6 <input type="checkbox"/> FT7 <input type="checkbox"/> FT8 <input type="checkbox"/> FT9 <input type="checkbox"/> FT10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Channel modification(s) <input type="checkbox"/> MC <input type="checkbox"/> MC1 <input type="checkbox"/> MC2 <input type="checkbox"/> MC3 <input type="checkbox"/> MC4 <input type="checkbox"/> MC5 <input type="checkbox"/> MC6 <input type="checkbox"/> MC7 <input type="checkbox"/> MC8 <input type="checkbox"/> MC9 <input type="checkbox"/> MC10	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) <input type="checkbox"/> CF <input type="checkbox"/> CF1 <input type="checkbox"/> CF2 <input type="checkbox"/> CF3 <input type="checkbox"/> CF4 <input type="checkbox"/> CF5 <input type="checkbox"/> CF6 <input type="checkbox"/> CF7 <input type="checkbox"/> CF8 <input type="checkbox"/> CF9 <input type="checkbox"/> CF10	NO	TR	TR	TR	TR	TR	TR	TR	TR	NO
<b>RIGHT BANK</b> TICK if functional zone										
Material <input type="checkbox"/> BA <input type="checkbox"/> CA <input type="checkbox"/> EA <input type="checkbox"/> FA <input type="checkbox"/> GA <input type="checkbox"/> HA <input type="checkbox"/> IA <input type="checkbox"/> JA <input type="checkbox"/> KA <input type="checkbox"/> LA <input type="checkbox"/> MA <input type="checkbox"/> NA <input type="checkbox"/> OA <input type="checkbox"/> PA <input type="checkbox"/> QA <input type="checkbox"/> RA <input type="checkbox"/> SA <input type="checkbox"/> TA <input type="checkbox"/> UA <input type="checkbox"/> VA <input type="checkbox"/> WA <input type="checkbox"/> XA <input type="checkbox"/> YA <input type="checkbox"/> ZA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input type="checkbox"/> ME <input type="checkbox"/> MA <input type="checkbox"/> MI <input type="checkbox"/> MO <input type="checkbox"/> MU <input type="checkbox"/> MV <input type="checkbox"/> MX <input type="checkbox"/> MY <input type="checkbox"/> MZ	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <input type="checkbox"/> BF <input type="checkbox"/> BF1 <input type="checkbox"/> BF2 <input type="checkbox"/> BF3 <input type="checkbox"/> BF4 <input type="checkbox"/> BF5 <input type="checkbox"/> BF6 <input type="checkbox"/> BF7 <input type="checkbox"/> BF8 <input type="checkbox"/> BF9 <input type="checkbox"/> BF10	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use, choose one from RL, CL, UL, HL, SL, TL, PL, ML, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	SU	SC	SR	TH	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) <input type="checkbox"/> RL/SC	C	S	C	S	U	U	U	U	U	U
LEFT BANK FACE (structure) <input type="checkbox"/> RL/SC	C	S	C	U	S	S	U	C	C	C
RIGHT BANK FACE (structure) <input type="checkbox"/> RL/SC	C	S	C	S	S	E	C	C	C	C
RIGHT BANK TOP (structure within 1m) <input type="checkbox"/> RL/SC	C	S	C	S	S	E	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	TH	SC	IG	SC	SC	SC	SC	SC

**G CHANNEL VEGETATION TYPES (tick one box per species)**

NONE / PLANT GENERA - list first 5

Species	1	2	3	4	5	6	7	8	9	10
Bryophytes/Lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Flowering leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. 6240

**H CHANNEL VEGETATION TYPES (tick one box per species)**

Species	L	R	L	R
Broadleaved woodland (BL)				
Coniferous plantation (CP)				
Orchard (OK)				
Moorland/heath (MH)				
Scrub (SC)				
Tall herbs/ reed vegetation (TH)				
Natural/unmodified				
Vertical/undercut				
Vertical + toe				
Steep (>45°)				
Grassy				
Composite				

**I CHANNEL VEGETATION TYPES (tick one box per feature)**

None  Left  Right

Shading of channel  None  Present  E (2.33%)  
 Overhanging boughs     
 Exposed bankside roots     
 Underwater tree roots     
 Fallen trees     
 Coarse woody debris

**J CHANNEL VEGETATION TYPES (tick one box per feature)**

None  Present  E (2.33%)  
 Marginal deadwater     
 Exposed bedrock     
 Exposed boulders     
 Unvegetated mid channel bar(s)     
 Vegetated mid channel bar(s)     
 Mature island(s)     
 Unvegetated side bar(s)     
 Vegetated side bar(s)

Indicate predominant flow sequence (select up to three features): NW-NW-E-SE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFURCATIONS Page 3 of 4

**K CHANNEL DIMENSIONS (to be assessed across channel within a 1m wide transect)**

LEFT BANK	Banktop width (m)	3.0	RIGHT BANK	
Banktop height (m)	Water width (m)	2.0	Banktop height (m)	1.0
Embedded height (m)	Water depth (m)	0.15	Embedded height (m)	

If triline lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**L CHANNEL VEGETATION TYPES (tick one box per feature)**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**M CHANNEL VEGETATION TYPES (tick one box per feature)**

None  Dredging  Mowing  Wood cutting   
 Embankment  Other State

**N CHANNEL VEGETATION TYPES (tick one box per feature)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Branded/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pea  Fleab

Is 33% or more of the channel choked with vegetation? NO  YES

**O CHANNEL VEGETATION TYPES (tick one box per feature)**

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (None)  Rhododendron fraxinifera

**P CHANNEL VEGETATION TYPES (tick one box per feature)**

Major impacts: landfill - tipping - (None) - sewage - pollution - drought - obstruction - mill - dam - road - rail industry -  
 (None) - mining - quarrying - (None) - afforestation - fisheries management - alting - other? =

Land Management: set aside - buffer strip - heathland - abandoned land - pasture - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dapper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: overcleared stream which has lost its natural profile in W. Section. An immense amount of rubbish has been dumped in stream, so thick in places that you cannot see substrate at an 10m x 5m or so (roughly 10m x 5m).

ALTERS: None  Present  Extensive  Discharged Alters? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary Navigation? NO  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number **6242**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River **TANG HALL BECK**  
 Date **20/5/1996** Time: **12.35** Surveyor name **DUNNAN** Accreditation code **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Red of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES \_\_\_\_\_

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles **1** Unvegetated point bars **0**  
 Pools **0** Vegetated point bars **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and species claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 8BB

1996 RIVER HABITAT SURVEY - TIN SPOT CHECKS Page 2 of 2

TABLE 1 (see Diff) for Riffles

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one only daily**

Spot check 1 m width

**LEFT BANK** (TICE if functional fence)

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL** (substrate shape codes)

Channel substrate	SI	SE	SE	SE	SE	SE	SE	SE	SE
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM

**RIGHT BANK** (TICE if functional fence)

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use (choose one from BL, LF, UR, MR, SL, TH, RP, H, FL, OL, SW, SU)

LAND USE WITHIN 5m OF BANK TOP (L)	IG	TG	TG	IG	IG	IG	SU	SU	SU
LEFT BANK TOP (structure within 1m) BR/S/C	S	S	S	S	S	S	C	C	C
LEFT BANK FACE (structure) BR/S/C	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure) BR/S/C	B	B	B	B	B	B	B	B	B
RIGHT BANK-TOP (structure within 1m) BR/S/C	S	S	S	S	S	S	U	B	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	TH	BL	BL	BL	BL	SU	SU	SU

**G CHANNEL VEGETATION TYPES (10m wide transect) - tick (presence)**

NONE	PLANT GENERA (see list)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/Lichens		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emerg broad-leaved herbs		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emerg roots/wedges/rushes		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flowering leaved (mosses)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged fine/linear leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SITE NO. **6242**

**H CHANNEL DIMENSIONS AND INTENSITIES**

LEFT BANK	Banktop width (m)	<b>3.0</b>	RIGHT BANK	
Banktop height (m)	Water width (m)	<b>2.5</b>	Banktop height (m)	<b>0.1</b>
Embankment height (m)	Water depth (m)	<b>0.1</b>	Embankment height (m)	<input checked="" type="checkbox"/>

If trapezium lower than banktop break in slope, indicate: height (m) =  $\frac{1}{2} \times \text{width} \times \text{slope}$

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**I ARTIFICIAL FEATURES**

None  Number of Culverts = **0** Weirs = **0** Outfalls = **3** Ponds = **0**  
 Footbridges = **0** Roadbridges = **1** Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes < 33% of site  > 33% of site

**J VEGETATION MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Enhancement  State  Re-planting of banks, soil cover, etc.

**K NUMBER OF SPECIAL INTERESTS (tick presence/absence)**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brided/old channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foss  Flush

**L CHANNEL CHOKING**

Is 33% or more of the channel choked with vegetation? NO  YES

**M RIVER BANK VEGETATION**

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick)

**N RIVER BANK DISTURBANCE**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - quarrying - mining - quarrying - (over)grazing - afforestation - fisheries management - siting - (over)grazing - Resect

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? = **SU & IG**

Animals: other - mink - water vole - langthorpe - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: **Small stream that has recently been reworked at toe of bank for milled to 4/5. It shows flow to be used, garden area. Some people have managed the banks. No life in rest of stream.**

**O CHANNELS AND ASSOCIATED FEATURES**

Indicate predominant flow sequence (select up to three features): **L, R, L**

**H CHANNEL DIMENSIONS AND INTENSITIES**

LEFT BANK	Banktop width (m)	<b>3.0</b>	RIGHT BANK	
Banktop height (m)	Water width (m)	<b>2.5</b>	Banktop height (m)	<b>0.1</b>
Embankment height (m)	Water depth (m)	<b>0.1</b>	Embankment height (m)	<input checked="" type="checkbox"/>

If trapezium lower than banktop break in slope, indicate: height (m) =  $\frac{1}{2} \times \text{width} \times \text{slope}$

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**I ARTIFICIAL FEATURES**

None  Number of Culverts = **0** Weirs = **0** Outfalls = **3** Ponds = **0**  
 Footbridges = **0** Roadbridges = **1** Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes < 33% of site  > 33% of site

**J VEGETATION MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Enhancement  State  Re-planting of banks, soil cover, etc.

**K NUMBER OF SPECIAL INTERESTS (tick presence/absence)**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brided/old channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foss  Flush

**L CHANNEL CHOKING**

Is 33% or more of the channel choked with vegetation? NO  YES

**M RIVER BANK VEGETATION**

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick)

**N RIVER BANK DISTURBANCE**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - quarrying - mining - quarrying - (over)grazing - afforestation - fisheries management - siting - (over)grazing - Resect

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? = **SU & IG**

Animals: other - mink - water vole - langthorpe - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: **Small stream that has recently been reworked at toe of bank for milled to 4/5. It shows flow to be used, garden area. Some people have managed the banks. No life in rest of stream.**

**O CHANNELS AND ASSOCIATED FEATURES**

Indicate predominant flow sequence (select up to three features): **L, R, L**









1996 RIVER HABITAT SURVEY (to be used for plant growth and feeding) Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/m) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (1 m) Significant tributary? Water Quality Class Navigation? **NO**  
 Height of source (m)

**B. FIELD SURVEY DETAILS**

Reference network site number: **6253**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **STOCK BECK**  
 Date: **15.1.1996** Time: **17:11** Surveyor name: **DUNCAN** Accreditation code: **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. DOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. OTHER FEATURES (tick one box only)**

Riffles **2** Unvegetated point bars   
 Pools **0** Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOEKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - THEN SPOT CHECKS Page 2 of 2

**I. PHYSICAL ATTRIBUTES (to be assessed across channel within 4 m wide transects) - one transect only**

Spot check 1 m upstream  downstream

	1	2	3	4	5	6	7	8	9	10
Material (see notes on p. 1)	EA	EA	EA	BR	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	ST	ST	SA	SA	BO	SA	SE	SA	SA	SA
Substrate shape	FL	OL	SP	CU	PO	B	Q	SH	SM	SM
Flow type	SM	SM	SM	SM	UH	RP	SM	SM	RP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK - TICK if (functional) feature**

Material (see notes on p. 1)	EA	EA	EA	RR	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed once in 10m wide transects)**

Land use (choose one from H, CF, OR, NH, SC, PL, RT, K, PL, OL, OR, SL)

LAND USE WITHIN 5m OF BANKTOP (L)	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT
LEFT BANK TOP (structure within 1m) BASIC	S	S	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BASIC	S	S	S	S	B	S	B	B	S	S
RIGHT BANK FACE (structure) BASIC	U	S	S	U	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BASIC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RT	RT	RT	RT	RT	RT	RT	RT	RT	RT

**G. CHANNEL VEGETATION (tick one box only)**

NONE  PLANT GENERA - list first 5

Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Flowering terrestrial (terrestrial)										
Free floating										
Submerged free-leaved										
Submerged free-floating										
Filamentous algae										

SITE NO. **6253**

**H. CHANNEL VEGETATION (tick one box only)**

Emergent broad-leaved herbs (EB)									
Emergent reeds/sedges/rushes (ER)									
Flowering terrestrial (FT)									
Free floating (FF)									
Submerged free-leaved (SF)									
Submerged free-floating (SFF)									
Filamentous algae (FA)									

**I. CHANNEL VEGETATION (tick one box only)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/wooded			Reinforced		
Vertical + soc			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**J. TREES (tick one box per bank)**

None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	None	Present E (> 1%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overlapping boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Eligged bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scout continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fellic trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**K. CHANNEL VEGETATION (tick one box per feature)**

Waterfall(s)	None	Present E	Marginal dead-water	None	Present E (> 1%)
Caricoid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rune(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature urban(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Point(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **GLTDE**

**L. CHANNEL VEGETATION (tick one box only)**

None	<input type="checkbox"/>	Number of Culverts = 0	Walls = 0	Outfalls = 0	Fords = 0
None	<input type="checkbox"/>	Footbridges = 1	Roadbridges = 0	Other = 1 (60 p.m. 4.5)	

**M. CHANNEL VEGETATION (tick one box only)**

Is water impounded by weirs/bars? No  Yes, < 1% of site  > 1% of site

**N. CHANNEL VEGETATION (tick one box only)**

Name  Developing  Mature  Wood cutting   
 Enhancement  Other? Static

**O. CHANNEL VEGETATION (tick one box only)**

Name   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Lushy debris  Pits  Flush

**P. CHANNEL VEGETATION (tick one box only)**

Is 1% or more of the channel choked with vegetation? NO  YES

**Q. CHANNEL VEGETATION (tick one box only)**

Major impacts: landfill - tipping - timber - sawage - pollution - drought - obstruction - soil - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siting - other

Land Management: set aside - buffer strip - woodland - abandoned land - pasture - MoD - other

Animals: otter - mall - water vole - waterfowl - dipper - grey heron - sand martin - barn - dragonfly/damselfly

Other significant observations: **None**

Alford? None  Present  Extensive  Damaged Alford? None  Present  Extensive



**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation? NO  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6255  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: NORTH BECK  
 Date: 16.5.1996 Time: 16:29 Surveyor name: Daman Accreditation code: PF27

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box) (2)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF BARS, POOLS AND POINTS (indicate total number)**

Riffles: 9 Unvegetated point bars: 0  
 Pools: 1 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TON SPOT CHECKS Page 2 of 4

TALLY (use PIF for Riffles) Points Unveg side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) (use one entry only)**

Spot check 1 is upstream  downstream

LEFT BANK TICK if functional	1	2	3	4	5	6	7	8	9	10
Material	BE	EA	EA	BE	EA	CO	EA	BO	BO	BO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	CO	CO	BE	BE	BO	BO	BO	BO	BO	BO
Substrate shape	FL	FL	TR	NA	NA	CU	FL	OV	TR	TR
Flow type	RP	SM	RP	UN	UN	UN	UN	UN	UN	UN
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from B, CP, GR, MH, SC, TH, RP, NG, FL, WL, OV, SI

LAND USE WITHIN 5m OF BANK TOP (L)	IS	IG	IG	IG	IG	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m) BUI/SC	U	U	U	U	U	C	C	S	S	S
LEFT BANK FACE (structure) BUI/SC	S	B	AS	U	B	S	S	S	S	S
RIGHT BANK FACE (structure) BUI/SC	U	U	S	S	U	S	U	S	S	S
RIGHT BANK-TOP (structure within 1m) BUI/SC	S	S	U	S	U	C	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	BL	BL	BL	BL	BL

**G PLANT GENERA (tick one box per feature)**

NONE / PLANT GENERA - last first S

Bryophytes/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad leaved herbs										
Emerg reeds/sedg/poa/rushes										
Floating leaved (round)										
Free floating										
Amphibious										
Submerged broad leaved										
Submerg freefloating leaved										
Filamentous algae										

SITE NO 6255

**H HABITAT TYPES AND ASSOCIATED PATTERNS**

Broadleaved/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)	<input checked="" type="checkbox"/>
Continuous plantation (CP)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>
Orchard (OR)			Tilled land (TL)	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)	<input checked="" type="checkbox"/>
Scrub (SC)			Open water (OW)	<input checked="" type="checkbox"/>
Tall herbs' rank vegetation (TR)			Suburban/urban development (SU)	<input checked="" type="checkbox"/>

**I CHANNEL DIMENSIONS AND VEGETATION**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Slope (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Grade	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite			Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Poached	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set-back embankments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**J TREES (tick one box per bank)**

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Conspicuous woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**K ASSOCIATED FEATURES (tick one box per feature)**

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	Conspicuous woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>			
Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>			

**L CHANNEL VEGETATION**

None	<input type="checkbox"/>	<input type="checkbox"/>	None	<input type="checkbox"/>	<input type="checkbox"/>
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Caesalpin(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rapids(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ran(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Scal(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

Indicate predominant flow sequence (select up to three features): GRADE - RUN/RIFFLE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND ENERGIES Page 2 of 4

**L CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<u>5.0</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>4.90</u>	Banktop height (m)	<u>0.5</u>
Embanked height (m)	Water depth (m)	<u>0.69</u>	Embanked height (m)	

If bankline lower than banktop break in slope, indicate: height (m) =      width (m) =     

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M CHANNEL VEGETATION**

None  Number of Culverts =      Weirs =      Outfalls =      Ponds =       
 Footbridges =      Roadbridges =      Other =     

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? State:     

**N CHANNEL VEGETATION**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Broadleaved channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**O CHANNEL VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

**P CHANNEL VEGETATION**

None  Great Hornwort  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**Q CHANNEL VEGETATION**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry -  
 burning - mining - quarrying - over-depositing - afforestation - fisheries management - silting - other? =     

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =     

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - moor martin - heron - dragonflies/damselflies

Other significant observations: up flow between farmstead, D/S flows between unmanaged woodland. Impressive gorge D/S. Just up of site is an impressive waterfall. Pretty site.

Abandon? None  Present  Extensive  Decreased Abandon? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation? (Y)  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6256  
 Mid-site grid reference of network site if different from designated location.

Grid Reference. River: DOW BECK  
 Date: 17/15/1996 Time: 9:29 Surveyor name: Dunham Accreditation code: P:27  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bod of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box) 6)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box) 6)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:  
 NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)  
 Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

FAIRLY USE IFE for Riffles 11 Pools 11 Unveg side bars 11 Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within 5m wide transects) = one only**

Spot check 1: upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK (structure within 1m) <u>11</u>										
Material <u>11</u> (M, B, CO, CL, GP, S, SL, CL, PE, AR)	B0	B1	B0	B0	B0	B0	B0	B0	B0	B0
Bank modification(s) <u>11</u> (M, B, CO, CL, GP, S, SL, CL, PE, AR)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>11</u> (M, B, CO, CL, GP, S, SL, CL, PE, AR)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL SUBSTRATE <u>11</u> (M, B, CO, CL, GP, S, SL, CL, PE, AR)	B1	B1	B1	B1	B1	B1	B1	B1	B1	B1
Substrate shape <u>11</u> (FL, OV, EL, SP, CU, PO, DR, OR, GR, ...)	OV	OV	OV	OV	OV	OV	OV	OV	OV	OV
Flow type <u>11</u> (FT, CH, SW, UN, CF, RP, UP, SM, AP, NO)	UN	UN	UN	UN	UN	UN	UN	UN	UN	UN
Channel modification(s) <u>11</u> (M, B, CO, CL, GP, S, SL, CL, PE, AR)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>11</u> (M, B, CO, CL, GP, S, SL, CL, PE, AR)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (structure within 1m) <u>11</u>										
Material <u>11</u> (M, B, CO, CL, GP, S, SL, CL, PE, AR)	B0	B0	B0	B0	B0	B0	B0	B0	B0	B0
Bank modification(s) <u>11</u> (M, B, CO, CL, GP, S, SL, CL, PE, AR)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>11</u> (M, B, CO, CL, GP, S, SL, CL, PE, AR)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, NG, FL, VE, OW, SU

LAND USE WITHIN 5m OF BANK TOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m) <u>11</u> /SC	C	S	C	C	C	C	S	S	S	C
LEFT BANK FACE (structure) <u>11</u> /SC	B	S	S	S	S	S	U	S	S	S
RIGHT BANK FACE (structure) <u>11</u> /SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) <u>11</u> /SC	C	C	C	C	C	C	S	S	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

**D. CHANNEL VEGETATION (tick one box only)**

NONE  PLANT GENERA - list Gen 5

Bryophytes/lichens										
Emerg broad leaved herbs										
Emerg reeds/sedge/rushes										
Flowering leaved (rooted)										
Free floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear leaved										
Filamentous algae										

SITE NO. 6256

**LAND AND VEGETATION CHARACTERISTICS**

	L	R		L	R
Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tiled roof (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Suburban/urban development (SU)		

**ARTIFICIAL/STRUCTURAL FEATURES**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/watercourse	E	E	Renaissance		
Vertical + toe			Renaissance - whole bank		
Steep (> 45°)	E	E	Renaissance - top only		
Grade			Renaissance - toe only		
Composite			Artificial two-stage		
			Punched		
			Embanked		
			Set-back embankments		

**TREES (tick one box per bank)**

None	Left	Right	None	Present E (2-11%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Course woody debris	<input checked="" type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present E (2-11%)
Marginal deadwater	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Channel - Riffle/Riffle

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLOW ENGINES

**MEASURED DIMENSIONS**

LEFT BANK	Banktop width (m)	<u>3.15</u>	RIGHT BANK
Banktop height (m)	Water width (m)	<u>2.65</u>	Banktop height (m)
Embanked height (m)	Water depth (m)	<u>0.2</u>	Embanked height (m)

If transect lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION CHARACTERISTICS**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Ferds = 0  
 Footbridges = 0 Rambridges = 0  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**MANAGEMENT OF CHANNEL VEGETATION**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? Stake

**CHARACTERISTICS OF SPECIAL INTEREST (check one box only)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Broadleaf/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fca  Flush

**CHOKED CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE CHANNEL FEATURES (check one box only)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**ADVERSE IMPACTS (check one box only)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fabric management - siting - other? =

Land Management: set-back - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - eel - water vole - trout - salmon - grey gnatcatcher - mud martin - heron - dragonfly/damselfly

Other significant observations: Very overgrown banks & vegetation - difficult access

Alders: None  Present  Extensive  Disused Alders? None  Present  Extensive



1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6258  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 9K River: WHARFE  
 Date: 15/11/1996 Time: 13:00 Surveyor name: D.W. Accreditation code: PF27  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/roll (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box only)**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO:  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

**E. PHYSICAL ATTRIBUTES (to be assessed across channel, within 1m wide transects) - one entry only**

Spot check 1 = upstream IV = downstream

LEFT BANK	1	2	3	4	5	6	7	8	9	10
Material (M) NO CO GP BA PE CL CS SP HP CA BR SW	NV	CA	NV	NV	NV	NV	EA	EA	NV	
Bank modification(s) (M) NO AS AS FC BA EM	NO	NO								
Bank feature(s) (M) NO LC FC PV SW VS	NO	NO								
Channel substrate (M) NO CO GP BA PE CL CS SP HP CA BR SW	SP	NV	BO	NV	VI	CO	BO	CA	BO	
Substrate shape (M) NO AS AS FC BA EM	OV	NA	IR	NA	IR	IR	IR	IR	IR	
Plan type (M) NO LC FC PV SW VS	UN	SM	UN	SM	SM	SH	UN	RP	SM	
Channel modification(s) (M) NO LC FC PV SW VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s) (M) NO LC FC PV SW VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	
RIGHT BANK	TICK if functional feature									
Material (M) NO CO GP BA PE CL CS SP HP CA BR SW	SA	BE	BE	BE	BE	BE	EA	EA	EA	
Bank modification(s) (M) NO AS AS FC BA EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s) (M) NO LC FC PV SW VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use (choose one from BL, CL, GL, HL, SL, PL, SP, HP, CA, BR, SW)

LAND USE WITHIN 5m OF BANK TOP (L)	BL	TH	CL	B	TH	CL	BL	BL	CL	BL
LEFT BANK TOP (structure within 1m) (L) (M) NO AS AS FC BA EM	S	S	E	S	S	S	S	S	C	E
LEFT BANK FACE (structure) (M) NO AS AS FC BA EM	U	U	S	S	S	S	S	C	C	C
RIGHT BANK TOP (structure within 1m) (M) NO AS AS FC BA EM	S	C	C	C	C	C	S	S	C	S
RIGHT BANK FACE (structure) (M) NO AS AS FC BA EM	B	CL	CL	CL	CL	CL	B	CL	CL	CL

**G. CHANNEL VEGETATION TYPES (tick one box only)**

NONE  PLANT GENERA - list first 5

Bryophytes/algae										
Emergent broad-leaved herbs										
Emergent reeds/rod grasses										
Floating leaves (rooted)										
Free floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY: DIMENSIONS AND POINT FEATURES

**A. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	32	RIGHT BANK	Banktop width (m)	32
Banktop height (m)	0.6	Water width (m)	31	Banktop height (m)	0.6
Embankment height (m)		Water depth (m)	NK	Embankment height (m)	

If waterline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site: consolidated (compact)  unconsolidated (loose)  Chert

Location of measurement: riffle  rap or glide  other  (tick one box)

**B. BANKTOP FEATURES**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Footbridges = 0  
 Is water impounded by weir(s)? No  Yes, < 33% of site  > 33% of site

**C. CHANNEL FEATURES**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other: State: Riprap on bank by fish

**D. CHANNEL VEGETATION**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Brashed/side channels  Natural open water  Curt   
 Debris dams  Water meadows  Marsh   
 Leafy debris  Fens  Flush

**E. CHANNEL VEGETATION**

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bractea

**F. CHANNEL IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - burning - mining - quarrying - overtopping - afforestation - fisheries management - other - other =

Load Management: no side - buffer strip - headland - abandoned land - portland - MaD - other =

Animals: otter - eel - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Large rocks used by aphids & dry water, moister place to re

Indicate predominant flow sequence (select up to three features): flats

1996 RIVER HABITAT SURVEY: DIMENSIONS AND POINT FEATURES

**A. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	32	RIGHT BANK	Banktop width (m)	32
Banktop height (m)	0.6	Water width (m)	31	Banktop height (m)	0.6
Embankment height (m)		Water depth (m)	NK	Embankment height (m)	

If waterline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site: consolidated (compact)  unconsolidated (loose)  Chert

Location of measurement: riffle  rap or glide  other  (tick one box)

**B. BANKTOP FEATURES**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Footbridges = 0  
 Is water impounded by weir(s)? No  Yes, < 33% of site  > 33% of site

**C. CHANNEL FEATURES**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other: State: Riprap on bank by fish

**D. CHANNEL VEGETATION**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Brashed/side channels  Natural open water  Curt   
 Debris dams  Water meadows  Marsh   
 Leafy debris  Fens  Flush

**E. CHANNEL VEGETATION**

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bractea

**F. CHANNEL IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - burning - mining - quarrying - overtopping - afforestation - fisheries management - other - other =

Load Management: no side - buffer strip - headland - abandoned land - portland - MaD - other =

Animals: otter - eel - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Large rocks used by aphids & dry water, moister place to re

Indicate predominant flow sequence (select up to three features): flats

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number 6259  
 Mid-site grid reference of network site if differs from designated location: \_\_\_\_\_

Grid Reference: River WILKIE  
 Date 19/5/1996 Time 9:45 Surveyor name DUNCAN Accreditation code PF27

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. DOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles 1 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (use Jiff) for: Rifles \_\_\_\_\_ Pools \_\_\_\_\_ Unveg side bar \_\_\_\_\_ Veg (not bar) \_\_\_\_\_

**D. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - a 10m transect only**

Spot check 1 m upstream	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> (TICK if functional)										
Material <u>WE NO CO GE EA PE O CC SF WP GA BR BV</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>WE NO AS RI PC BM EM</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>WE NO AS RI PC BM EM</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b> (TICK if functional)										
Channel substrate <u>WE NO CO GE EA PE O CC SF WP GA BR BV</u>	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape <u>FL OV EL SF CU PD BL OHVW -</u>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type <u>FE CH SW UN CF RP UP SH JF NO</u>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Channel modification(s) <u>WE NO AS RI PC BM EM</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>WE NO AS RI PC BM EM</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b> (TICK if functional)										
Material <u>WE NO CO GE EA PE O CC SF WP GA BR BV</u>	NV	NV	NV	NV	EA	EA	NV	EA	EA	EA
Bank modification(s) <u>WE NO AS RI PC BM EM</u>	NO	NO	NO	NO	NO	NO	NO	EM	NO	NO
Bank feature(s) <u>WE NO AS RI PC BM EM</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**E. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CF, DL, MH, SC, TH, RP, AG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SG	TH	TH	TH	BL	SC	TH	SC	TH	BL
LEFT BANK TOP (structure within 1m) <u>BL/SC</u>	U	S	S	S	S	C	S	L	S	C
LEFT BANK FACE (structure) <u>BL/SC</u>	S	S	C	C	C	S	L	S	U	
RIGHT BANK FACE (structure) <u>BL/SC</u>	C	S	C	C	C	S	S	S	S	U
RIGHT BANK TOP (structure within 1m) <u>BL/SC</u>	U	C	U	U	U	U	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	SG	SC	BL	SG	SG	SG	SG	SG	SG	TH

**F. CHANNEL VEGETATION**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent reed/grass/forbs										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged float-leaved										
Filamentous algae										

SITE NO. 6259

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Open water (OW)		
Tall herbs and vegetation (TH)	E		Suburban/urban development (SU)		<input checked="" type="checkbox"/>

**VEGETATION MODIFICATION**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/steep	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reconciled		
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Slope (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		<input checked="" type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage		
			Poached		
			Embanked		<input checked="" type="checkbox"/>
			Set back embankments		<input checked="" type="checkbox"/>

**TREES (tick one box per bank)**

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel <input type="checkbox"/> Present E (≥33%) <input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs <input type="checkbox"/> <input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots <input type="checkbox"/> <input checked="" type="checkbox"/>
Occasional clump	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots <input type="checkbox"/> <input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees <input type="checkbox"/> <input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris <input type="checkbox"/> <input checked="" type="checkbox"/>

**WATERBODIES AND ASSOCIATED FEATURES**

	None	Present E (≥33%)	None	Present E (≥33%)
Waterbodies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	<input type="checkbox"/>
Overbank(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Rapids	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>
Rifles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>
Runs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>
Boll(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Left to Right NO - Possible flow

1996 RIVER HABITAT SURVEY - DIMENSIONS AND MEASUREMENTS

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	50.0	RIGHT BANK		
Banktop height (m)	0.1	Water width (m)	50.0	Banktop height (m)	0.1
Embanked height (m)		Water depth (m)	0.2	Embanked height (m)	

If transect lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION MEASUREMENTS**

None  Number of Culverts = 0 Weirs = 1 Outfalls = 0 Forbs = 0  
 Footbridges = 1 Roadbridges = 0 Other = 0  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**VEGETATION DEPENDENT MEASUREMENTS**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Broad/old channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fea  Flurb

**BLOCKED CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES

**WATERBODIES AND ASSOCIATED FEATURES**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (None) Rhododendron bracken

**VEGETATION CHARACTERISTICS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - siting (Other) = well

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - minnow - water vole - kingfisher - dipper - grey wagtail - sand martin - bream - dragonfly/ladybird/flies - amphibians  
 Other significant observations: see over with great plant diversity at edge of site  
if this is a very dry site then...

Address? None  Present  Extensive  Discarded Address? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and faencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  NO  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6261  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: River: RICEALL DAM  
 Date: 20/5/1996 Time: 17:38 Surveyor name: WINN Accreditation code: PT-27  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:  
 D. NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box only)

Riffles 0 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 10

TABLE 1: Code Shift for Riffles Pools Unveg side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide transect) \* = one entry only**

Spot check 1 = upstream	downstream	1	2	3	4	5	6	7	8	9	10
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**LEFT BANK** TICE if functional (spec)

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL VEGETATION** (tick one box only)

Channel substrate	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK** TICE if functional (spec)

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RL, CL, IM, MH, SC, TH, RP, IG, FL, WL, PM, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK TOP (structure within 1m)	U	U	U	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure)	U	U	U	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	U	U	U	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m)	U	U	U	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	TH	TH	TH	TH	TH	TH	TH	TH

**G CHANNEL VEGETATION (Y/N) (tick one box only)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens											
Emerg broad-leaved herbs											
Emerg reeds/wedges/rushes											
Floting leaf-rod (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged finleafed leaf-rod											
Filamentous algae											

SITE NO. 6261

**LAND USE WITHIN 5m OF BANKTOP**

Broadleaf/mixed woodland (BL)							
Coniferous plantation (CP)							
Orchard (OR)							
Moorland/heath (MH)							
Scrub (SC)							
Tall herbs / wet vegetation (TH)							
Rough pasture (RP)							
Improved/semi-improved grass (IG)							
Tilled land (TL)							
Wetland (eg bog, marsh, fen) (WL)							
Open water (OW)							
Suburban/urban development (SU)							

**CHANNEL VEGETATION**

Natural/unmodified							
Vertical/obscure							
Vertical + toe							
Steep (>45°)							
Gentle							
Composite							
Artificial/modified							
Reinforced							
Reinforced - whole bank							
Reinforced - top only							
Reinforced - toe only							
Artificial two-stage							
Poached							
Embankment							
Set-back embankments							

**TREES (tick one box per bank)**

None							
Isolated/scattered							
Regularly spaced, single							
Occasional clumps							
Semi-continuous							
Continuous							

**ASSOCIATED FEATURES (tick one box per feature)**

Shading of channel							
Overhanging boughs							
Exposed bankside roots							
Underwater tree roots							
Fallen trees							
Coarse woody debris							
Marginal decaying							
Exposed bedrock							
Exposed boulders							
Unvegetated mid channel bar(s)							
Vegetated mid channel bar(s)							
Manure island(s)							
Unvegetated side bar(s)							
Vegetated side bar(s)							

Indicate predominant flow sequence (select up to three features): Shade

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFERRIBLES

**EXAMINED DIMENSIONS (to be assessed across channel within a 10m wide transect)**

LEFT BANK	Banktop width (m)	<u>1.50</u>	RIGHT BANK		
Banktop height (m)	<u>0.5</u>	Water width (m)	<u>0.75</u>	Banktop height (m)	<u>0.5</u>
Embankment height (m)	<u>X</u>	Water depth (m)	<u>0.03</u>	Embankment height (m)	<u>X</u>

If available: lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**MAJOR CHANNEL VEGETATION**

None  Number of: Outlets = 1 Weirs = 0 Outfalls = 0 Fords = 0  
 Footbridges = 1 Roadbridges = 1 Other = 0  
 Is water impounded by weirs/dams? No  Yes, <3% of site  >3% of site

**RECORDING OF SPECIAL INTERESTS (tick one box only)**

None  Dredging  Moving  Wood cutting   
 Embankment  Other? Static

**FEATURES OF SPECIAL INTEREST (tick one box only)**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) Forest  
 Broad/steep channels  Natural open water  Marsh  Flood (concreted or blue-bells or very odd)  
 Debris dams  Water meadow   
 Leafy debris  Fen  Flush

**CHOKED CHANNEL**

Is 5% or more of the channel choked with vegetation? NO  YES

**NOTABLE WOODS AND OTHER LARGE STANDS**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**RECORDING OF SPECIAL INTERESTS (tick one box only)**

None  Dredging  Moving  Wood cutting   
 Embankment  Other? Static

**MAJOR IMPACTS:** landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - afforestation - fisheries management - mining - agriculture

Land Management: set aside - buffer strip - heathland - abandoned land - parkland - MoD - other? agriculture

Animals: other - otter - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Recreated ditch running along between fields & a meadow. One field used for producing turf. Now flows with the 25:1 path of a road.

**ADDITIONAL COMMENTS (tick appropriate)**

Advers? None  Present  Extensive  Disposed Advers? None  Present  Extensive



**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Soil geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation? **NO**  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: **6262**  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: **H4** River: **SALIS BECK**  
 Date: **20/12/1996** Time: **11:12** Surveyor name: **DUNCAN** Accreditation code: **PF27**  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Red of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph general character? No  Yes  (tick one box) **(1)**  
 and, as required, special feature? No  Yes  (tick one box) **(2)**  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (If U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:  
**NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box only)**  
 Riffles **3** Unvegetated point bars **0**  
 Pools **0** Vegetated point bars **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO: H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

FAIRLY (use JFF, for Riffles) Pools Unveg side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1-m wide transect) - one entry only**

Spot check 1 is upstream	Spot check 2 is downstream	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from: AL, CP, DR, MH, SC, FL, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	JH	IG	SA	TL	TH	TL	SL	SU
LEFT BANK TOP (structure within 1m)	S	S	U	S	S	S	C	S	S
LEFT BANK FACE (structure)	B	B	S	B	B	B	B	B	B
RIGHT BANK FACE (structure)	C	B	B	B	B	B	B	B	B
RIGHT BANK TOP (structure within 1m)	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	TL	TL	SC	IG	IG	IG	IG	IG

**G CHANNEL VEGETATION TYPES (tick first 5)**

NONE	PLANT GENERA - tick first 5	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emerg reeds/sedges/rushes		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating-leaved (rooted)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged fine/linear-leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SITE NO. **6262**

	L	R		L	R
Broadleaved woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		<input checked="" type="checkbox"/>
Orchard (OR)			Tilled land (TL)	<input checked="" type="checkbox"/>	
Moorland/heath (MH)			Wetland (eg bog, sough, fen) (WL)		
Scrub (SC)	<input checked="" type="checkbox"/>		Open water (OW)		
Tall herbs and vegetation (TH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**NATURAL/UNMODIFIED**

	L	R	Artificial/modified	L	R
Vertical/recessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>		Reinforced - whole bank	<input checked="" type="checkbox"/>	
Steep (>45°)	<input checked="" type="checkbox"/>		Reinforced - top only	<input checked="" type="checkbox"/>	
Grass	<input checked="" type="checkbox"/>		Reinforced - toe only	<input checked="" type="checkbox"/>	
Composite			Artificial two-stage	<input checked="" type="checkbox"/>	
			Poached	<input type="checkbox"/>	
			Embanked	<input type="checkbox"/>	
			Self-back embankments	<input type="checkbox"/>	

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present	E (>33%)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**WATERBARS AND RELATED FEATURES**

Waterbar(s)	None	Present	E (>33%)	Marginal deadwater	None	Present	E (>33%)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

dicte predominant flow sequence (select up to three features): **sh, te**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND DIMENSIONS

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	2.1	RIGHT BANK
Banktop height (m)	0.15	Water width (m)	4.9
Embankment height (m)		Water depth (m)	0.1
		Embankment height (m)	0.20

(if tree line lower than banktop break in slope, indicate height (m) = width(m) = )

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**MANAGEMENT FEATURES**

None  Number of Culverts =  Weirs =  Outfalls =  Fords =   
 Footbridges =  Roadbridges =  Other =   
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**MANAGEMENT OPERATIONS**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? State:

**FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

**GENERAL CHARACTERISTICS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-drainage - afforestation - fabric management - siting - other? =

Land Management: set aside - buffer strip - broadland - abandoned land - parkland - MoD - other? =

Animals: other - snail - water vole - kingfisher - dipper - grey heron - sand martin - tern - dragonfly/damselfly

Other significant observations: **Recently dredged stream flowing between weirs and fields and under pylons on left a large psammophilous Nereis tidal pool has been made.**

Address? None  Present  Extensive  Disused Address? None  Present  Extensive









**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? *NO*  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: *6276*  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: *UN-NAMED*  
 Date: *18.5.1996* Time: *1108* Surveyor name: *DUNCAN* Accreditation code: *PF27*

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIPARIAN POOLS AND POINT BARS (count all point bars)**

Riffles: *9* Unvegetated point bars:   
 Pools: *0* Vegetated point bars:

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material <i>NY, NO, CO, CE, BA, PE, CL, CC, SF, CM, BA, BR, BV</i>	EA	EN	EF	DR	NV	NV	EA	EA	BR	BR
Bank modification(s) <i>NY, NO, AS, RI, FC, BA, EN</i>	NO	NO	NO	RE	RE	RE	NO	NO	RE	RE
Bank feature(s) <i>NY, NO, AS, RI, FC, BA, EN</i>	NO	NO	NO	NO	NY	NY	EA	NO	NO	NO
<b>CHANNEL &amp; VEGETATION</b>										
Channel substrate <i>NY, NO, CO, CE, BA, PE, CL, CC, SF, CM, BA, BR, BV</i>	SA	SA	BO	SA	NV	NV	GP	CO	SA	NV
Substrate shape <i>FL, OF, EL, SF, CU, FO, B, DM, I, M</i>	NA	NO	IR	NA	NA	NA	IR	TR	NA	NA
Flow type <i>FT, CH, WF, UN, CF, RP, SF, SM, SF, PD</i>	RE	RP	EM	UN	SM	SM	RY	UN	UN	RP
Channel modification(s) <i>NY, NO, CO, CE, BA, PE, CL, CC, SF, CM, BA, BR, BV</i>	BS	NO	RS	RS	CV	CV	NO	NO	RS	RS
Channel feature(s) <i>NY, NO, CO, CE, BA, PE, CL, CC, SF, CM, BA, BR, BV</i>	NO	TR	NO	NO	NV	NV	NO	NO	NO	NO
<b>RIGHT BANK</b>										
Material <i>NY, NO, CO, CE, BA, PE, CL, CC, SF, CM, BA, BR, BV</i>	UR	BR	CC	EA	NV	NV	EA	EA	BR	BR
Bank modification(s) <i>NY, NO, AS, RI, FC, BA, EN</i>	RE	RE	RE	NO	RE	RE	NO	NO	RE	RE
Bank feature(s) <i>NY, NO, AS, RI, FC, BA, EN</i>	NO	SB	NO	NO	NV	NV	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, DR, MH, SC, TH, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	BL	BL	SU	SU	SU	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m) <i>BU/S/C</i>	S	S	S	B	R	B	S	S	S	S
LEFT BANK FACE (structure) <i>BU/S/C</i>	U	U	U	B	B	B	S	S	S	S
RIGHT BANK FACE (structure) <i>BU/S/C</i>	S	S	S	B	B	B	S	S	S	S
RIGHT BANK-TOP (structure within 1m) <i>BU/S/C</i>	S	U	S	U	B	B	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SU	BL	TH	BL	SU

**G. CHANNEL VEGETATION TYPE (tick one box)**

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens										
Emergent broad leaved herbs	<i>OR</i>									
Emergent reeds/sedges/rushes	<i>Ph</i>									
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerged fine/linear leaved										
Filamentous algae										

SITE NO. *6276*

**H. CHANNEL DIMENSIONS AND BANK ENERGIES**

LEFT BANK	Banktop width (m)	<i>4.0</i>	RIGHT BANK		
Banktop height (m)	<i>0.1</i>	Water width (m)	<i>4.0</i>	Banktop height (m)	<i>0</i>
Embanked height (m)	<i>X</i>	Water depth (m)	<i>0.15</i>	Embanked height (m)	<i>X</i>

If suitable lower than banktop break in slope, indicate: height (m) = *X* width (m) = *X*

Bed material at site: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**I. CHANNEL VEGETATION**

None  Number of Culverts = *1* Weirs = *1* Overfalls = *1* Fords = *0*  
 Footbridges = *0* Roadbridges = *0* Other = *0*  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**J. CHANNEL MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**K. FEATURES OF CHANNEL VEGETATION**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**L. CHANNEL VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

**M. CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle, Rhododendron bracteata

**N. CHANNEL VEGETATION**

Major impacts: landfill - tipping  sewage  pollution  drought - abstraction - mill - dam - weir  rail   
 quarrying - mining - quarrying - overtopping - effluent - fabrication - fisheries management - stinging - other? \_\_\_\_\_

Land Management: set aside - buffer strip - hedland - woodland  parkland - MoD - other? \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: *Wet like flood beck flammopollen observed land*  
*All 2/5 rail supports holding up a bankside building are in poor back.*

**O. CHANNEL VEGETATION**

Indicate predominant flow sequence (select up to three features): *Riffle-Run*

**P. TREES (tick one box per bank)**

None	Left	Right	None	Present	E (≥ 33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			Covers woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Q. CHANNEL VEGETATION**

Waterfall(s)	None	Present	E (≥ 33%)
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Obstacle(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**R. CHANNEL VEGETATION**

None	Present	E (≥ 33%)
Marginal downwater	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Moored island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Soil geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary \_\_\_\_\_ Navigation NO  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B FIELD SURVEY DETAILS**

Reference network site number 6277  
 Mid-site grid reference of network site if different from designated location \_\_\_\_\_

Grid Reference River WIKIE BECK  
 Date 15/5/1996 Time 13:17 Surveyor name DUNCAN Accreditation code PF27

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES \_\_\_\_\_

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

VALLEY (see p1) for Riffles Pools Shallow side bars Veg point bars

**E: PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) 1m one only only**

Spot check 1 to 10 upstream downstream

**LEFT BANK TICK if functional fence**

Material	BR	CK	IR	EA	CC	CE	CC	CC	CC
Bank modification(s)	R	R	R	R	R	R	R	R	R
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL TENDENCY**

Channel substrate	HR	SI	AR	SI	SE	SI	SI	SI	SI
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	RP	SM	RP	SM	RP	SM	RP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK TICK if functional fence**

Material	BR	CK	IR	EA	CC	CE	CC	CC	CC
Bank modification(s)	R	R	R	R	R	R	R	R	R
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BR, CP, DE, NH, SC, TH, RP, RL, RL, RL, RL, RL

LAND USE WITHIN 5m of BANKTOP (L)	SU	BC	SC	TH	TH	SC	SC	SC	SC
LEFT BANK TOP (structure within 1m) B/U/S/C	C	C	S	S	C	C	C	C	C
LEFT BANK FACE (structure) B/U/S/C	C	S	B	S	S	S	S	S	S
RIGHT BANK FACE (structure) B/U/S/C	B	S	B	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) B/U/S/C	S	S	C	S	S	C	S	S	S
LAND USE WITHIN 5m of BANK TOP (R)	PL	TH	SC	TH	TH	SC	TH	TH	TH

**G CHANNEL VEGETATION TYPES (tick one box only)**

NONE / PLANT GENERA - last first S

Bryophytes/lichens									
Emerg broad-leaved herbs									
Emerg reeds/sedges/rushes									
Flowering leaved (rooted)									
Free floating									
Amphibious									
Submerged broad leaved									
Submerg fine/linear leaved									
Filamentous algae									

SITE NO. 6277

**LAND USE WITHIN 5m OF BANKTOP**

Broadleaf/mixed woodland (BL)									
Coniferous plantation (CP)									
Orchard (OR)									
Moorland/heath (MH)									
Scrub (SC)									
Tall herb/ meadow vegetation (TH)	E	E							

**NATURAL/UNMODIFIED**

Vertical/scarce									
Vertical + toe									
Slope (> 45°)									
Grass									
Composite									

**ARTIFICIAL/MODIFIED**

Reinforced - whole bank									
Reinforced - top only									
Reinforced - toe only									
Artificial two-stage									
Poached									
Embanked									
Set-back embankments									

**TREES (tick one box per band)**

None									
Isolated/scattered									
Regularly spaced, single									
Occasional clumps									
Semi-continuous									
Continuous									

**ASSOCIATED FEATURES (tick one box per feature)**

Shading of channel									
Overhanging boughs									
Exposed bankside roots									
Underwater tree roots									
Fallen trees									
Coarse woody debris									

**WATERFALLS AND ASSOCIATED FEATURES**

Waterfall(s)									
Caecium(s)									
Rapid(s)									
Riffle(s)									
Run(s)									
Pool(s)									
Chute(s)									
Pool(s)									

Indicate predominant flow sequence (select up to three features): Glaze - coarse silt

1996 RIVER HABITAT SURVEY: DIMENSIONS AND DIMENSIONS

**LEFT BANK**

Banktop width (m)	5.5				
Banktop height (m)	0.15				
Embanked height (m)					

**RIGHT BANK**

Banktop width (m)					
Banktop height (m)					
Embanked height (m)					

If transect lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION FEATURES**

None  Number of Culverts = 0 Weirs = 3 Outfalls = 0 Fords = 0  
 Footbridges = 0 Roadbridges = 0 Other = 0

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**OPERATIONS OF SPECIAL INTEREST**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other  State Stone bank cut down stream of P/P

**CHARACTERISTICS OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Broken/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foss  Flush

**CHOICE OF CHANNEL VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

**DIAMOND/RANGE PLANTS**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? . Notice Rhododendron bracken

**GOVERNMENT PLANT PROTECTANTS**

Major impact: (tick all) tipping - litter - energy pollution - drought - abstraction - mill - dam - road - rail industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-aside - buffer strip - headland - abandoned land - partland - MOD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselfly

Other significant observations: shut channel with no tributary features nearby  
mulled on RB with large Sedge bank

Address? None  Present  Extensive  Damaged Address? None  Present  Extensive

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Mainform category  
 Distance from source (km) Significant tributary Navigation? (N/D)  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6279  
 Mid-site grid reference of network site if different from designated location.

Grid Reference: River Selby DAM  
 Date: 23/1/1996 Time: 12:27 Surveyor name: Duxa Accreditation code: PF27  
 Adverse conditions affecting survey? No  Yes  If yes, state: valley  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box) (a) 1/4  
 and, as required, special feature? No  Yes  (tick one box) (i)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/hoop  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles 0 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

Fully (see IFE) for Riffles Pools Unveg side bars Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - 100m only**

Spa check 1 is upstream  downstream

LEFT BANK	TICK if functional	1	2	3	4	5	6	7	8	9	10
Material (by NO, NO, CO, CE, EA, PE, CL, CC, CP, CA, BA, BA, BA)		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)		PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
Bank feature(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. CHANNEL DIMENSIONS**

LEFT BANK	TICK if functional	1	2	3	4	5	6	7	8	9	10
Material (by NO, NO, CO, CE, EA, PE, CL, CC, CP, CA, BA, BA, BA)		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RL, CL, OH, MH, SC, TH, RP, K, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	RL	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) BUI/SC	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BUI/SC	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BUI/SC	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) BUI/SC	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

**G. CHANNEL VEGETATION TYPES (tick one box)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens											
Emergent broad leaved herbs											
Emergent reed/sedge/rushes											
Floating leafed (rooted)											
Free-floating											
Amphibious											
Submerged broad leaved											
Submerged fine/linear-leaved											
Filamentous algae											

SITE NO. 6279

**H. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	8.2	RIGHT BANK
Banktop height (m)	0.3	Water width (m)	8.0
Embanked height (m)	X	Water depth (m)	NK
		Embanked height (m)	X

If embankment lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**I. CHANNEL VEGETATION**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Footbridges = 1 Roadbridges = 0 Other = 0  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**J. EVIDENCE OF BENT MANAGEMENT**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other  State: Hydrological wetland

**K. FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**L. CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**M. CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other  Narrow Rhododendron bracken

**N. MAJOR IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - sitting - other? = Grading land

Land Management: set aside - buffer strip - hedland - abandoned land - parkland - MoD - other? = Grading land

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations:

**O. SPECIAL INTEREST**

Alders? None  Present  Extensive  Decayed Alders? None  Present  Extensive

**P. TREES (tick one box per bank)**

Natural/unmodified	L	R	Artificial/modified	L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/scen-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		V
Tall herbs - reed vegetation (TH)		V	Suburban/urban developments (SU)		V

**ASSOCIATED FEATURES (tick one box per feature)**

None	Left	Right	None	Present	E (2/33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Q. SPECIAL INTEREST**

Waterfall(s)	None	Present	E	Marginal deadwater	None	Present	E (2/33%)
Cutbank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marsh island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Slide



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing. Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Plantum category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? **YES!**  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B FIELD SURVEY DETAILS**

Reference network site number: **6280**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River **OUR**  
 Date **23/5/1996** Time: **10:47** Surveyor name **BARBARA** Accreditation code: **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box) *Circle box*  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  | IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D NUMBER OF RIFFLES, POOLS AND POINT BARS**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

FULLY use IFE for Riffles Pools Three side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK TICK if functional fence</b>										
Majority of RL, RD, CG, EA, FC, EC, CF, WF, CR, BR, BV	CL	CL	CL	CL	RR	CL	CL			
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL VEGETATION</b>										
Channel substrate: WF, RL, RD, CG, EA, FC, EC, CF, WF, CR, BR, BV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Substrate shape: FL, OF, D, SF, ST, PD, B, DM, M, M, M	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type: FF, CH, SM, UN, CF, RP, SF, SM, SF, M, M	NP	NP	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK TICK if functional fence</b>										
Majority of RL, RD, CG, EA, FC, EC, CF, WF, CR, BR, BV	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: Choose one from RL, LF, TM, MH, SC, TH, RP, NG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IC	IE	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) BAUSC	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BAUSC	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure) BAUSC	B	B	B	B	B	B	B	B	B
RIGHT BANK TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL

**G CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect)**

NONE	PLANT GENERA - list first 5								
Bryophytes/lichens									
Emerg broad-leaved herbs									
Emerg reeds/sedges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerged free-leaved									
Filamentous algae									

RITE NO. **6280**

**H CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

Left Bank	L	R	Right Bank	L	R
Broadleaf/mixed woodland (BL)		E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	E	
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		✓
Tall herb/maest vegetation (TH)			Suburban/urban development (SU)		✓

**I CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		✓
Steep (>45°)		E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments	E	E

**J TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥33%)
None			Shading of channel		✓
Isolated/scattered	✓		Overhanging boughs	✓	
Regularly spaced, single			Exposed bankside roots	✓	
Occasional clumps			Underwater tree roots	✓	
Semi-continuous			Fallen trees	✓	
Continuous		✓	Coarse woody debris	✓	

**K CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

Waterfall(s)	None	Present E	Marginal dead-water	None	Present E (≥33%)
Waterfall(s)			Marginal dead-water		
Cascade(s)	✓		Exposed bedrock	✓	
Rapid(s)	✓		Exposed boulders	✓	
Riffle(s)	✓		Unvegetated mid-channel bar(s)	✓	
Run(s)	✓		Vegetated mid-channel bar(s)	✓	
Bank(s)		✓	Marsh island(s)	✓	
Obide(s)		✓	Unvegetated side bar(s)	✓	
Pool(s)	✓		Vegetated side bar(s)	✓	

Indicate predominant flow sequence (select up to three features): **Glide**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND DIMENSIONS Page 2 of 2

**L CHANNEL DIMENSIONS (to be assessed over a 10m wide transect)**

LEFT BANK	Banktop width (m)	104.0	RIGHT BANK	Banktop width (m)	104.0
Banktop height (m)	0.5		Banktop height (m)	0.5	
Embanked height (m)	2.0		Embanked height (m)		
Water depth (m)			Water depth (m)		
Water depth (m)			Water depth (m)		

If trapezium lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**N CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

None  Dredging  Moving  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**O CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Broad/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flurb

**P CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**R CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

Major impacts: landfill - slipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - siting (other) = \_\_\_\_\_

Lead Management: set-aside - buffer strip - headland - abandoned lead - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: **Thin rope near as tidal v turbid water large clay exposed banks**

Alders: None  Present  Extensive  Discarded Alders: None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fracting. Page 1

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number 6281  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: 9:06 River: DERWENT  
 Date 23.15.1996 Time: 11:30 Surveyor name DUNAN Accreditation code: PF27

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box only)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

FULLY (use IFE) for R, (FE) Points Unveg. side bars Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transects) - in one entry only**

Spot check # is upstream	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK STRUCTURE</b>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material (W, AF, NO, CO, CS, EA, EC, EE, EP, GP, GR, IR, IS, IV, NO, RS, RI, FC, IM, EM)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RM	PC	PC	PC	PC	PC	PC	PC	PC	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK STRUCTURE</b>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material (W, AF, NO, CO, CS, EA, EC, EE, EP, GP, GR, IR, IS, IV, NO, RS, RI, FC, IM, EM)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from B, C, D, M, N, S, T, U, V, W, X, Y, Z

LAND USE WITHIN 5m OF BANKTOP (L)	TH	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) BA/SC	S	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BA/SC	U	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BA/SC	U	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BA/SC	S	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	IG	TH	TH	TH	TH	TH	TH	TH	TH

**G. CHANNEL VEGETATION EXPOSURE**

NONE / PLANT GENERA - list first 5

Bryophytes/algae										
Emergent broad leaved herbs										
Emergent reeds/sedges/rushes										
Flowering leaved (rooted)										
Free floating										
Amphibious										
Submerged broad leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. 6281

**H. CHANNEL VEGETATION (tick one box per bank)**

Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tiled roof (TL)	E	E
Montland/scrub (MR)			Wetland (eg bog, marsh, fen) (WJ)		
Scrub (SC)			Open water (OW)		
Tall herbs/mast vegetation (TH)	<input checked="" type="checkbox"/>	E	Suburban/urban development (SU)	<input checked="" type="checkbox"/>	

**I. ARTIFICIAL STRUCTURES**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/unreinforced		<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>	E
Vertical + toe			Reinforced - whole bank		
Step (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		E
			Embedded		
			Sci bank embankments	E	E

**J. TREES (tick one box per bank)**

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None <input type="checkbox"/>	Percent E (2-33%) <input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, slope	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional change	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**K. ASSOCIATED FEATURES (tick one box per feature)**

Marginal deadwater	None <input type="checkbox"/>	Percent E <input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**L. CHANNEL CHARACTERISTICS**

Waterfall(s)	None <input type="checkbox"/>	Percent E <input type="checkbox"/>	Marginal deadwater	None <input type="checkbox"/>	Percent E (2-33%) <input type="checkbox"/>
Chocoid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): G, H, I

1996 RIVER HABITAT SURVEY: DIMENSIONS AND CHANGES

**M. CHANNEL DIMENSIONS**

LEFT BANK	Backstop width (m)	20.0	RIGHT BANK		
Backstop height (m)	0.3	Water width (m)	20.0	Backstop height (m)	0.3
Embanked height (m)	1.1	Water depth (m)	NK	Embanked height (m) (top of bank)	1.1

If trapezoidal form then backstop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**N. CHANNEL CHANGES**

None  Number of Cutovers = 0 Weirs = 0 Outfalls = 2 Fords = 0  
 Footbridges = 0 Roundbridges = 0 Other = 0  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**O. EVIDENCES OF CHANNEL MANAGEMENT (tick one box per feature)**

None  Dredging  Moving  Weed cutting   
 Embankment  Other? State: \_\_\_\_\_

**P. FEATURES OF INTEREST (tick one box per feature)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Broad/old channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Rea  Fleth

**Q. CHECKED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**R. CHANNEL CHANGES**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick)  Rhododendron fraxinus

**S. CHANNEL CHANGES**

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - other? = \_\_\_\_\_

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Large river, both banks have been eroded but life is good. Pooled water in most places, but no dead pools.  
Dugged across in river 'cap'

**T. ALGAE (tick one box per feature)**

Algae? None  Present  Extensive  Dispersed Algae? None  Present  Extensive



**RIVER HABITAT SURVEY with IPIs (most for riparian zones and floodplains)** Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation? *N/D*  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: *6280*  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: *SPROATLEY DRAIN*  
 Date: *22.5.1996* Time: *1622* Surveyor name: *Diana* Accreditation code: *PF2?*  
 Adverse conditions affecting survey? No  Yes  If yes, state: *Wind/Rain*  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/flat (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles *2* Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WARRIAM, BR70 6BB

**RIVER HABITAT SURVEY WITH SPOT CHECKS** Page 2 of 4

**PHYSICAL ATTRIBUTES (to be assessed across channel width of 10m wide transect) - one transect only**

Spot check 10m upstream (1) downstream (2)	1	2	3	4	5	6	7	8	9	10
Material <i>W, B, S, G, CL, EA, PE, CE, D, M, P, C, M, S, R</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>W, B, S, G, CL, EA, PE, CE, D, M, P, C, M, S, R</i>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <i>W, B, S, G, CL, EA, PE, CE, D, M, P, C, M, S, R</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <i>W, B, S, G, CL, EA, PE, CE, D, M, P, C, M, S, R</i>	SA	NV	SA	SA	EP	GP	GP	SI	SI	SI
Substrate shape <i>FL, OV, DL, DL, CU, FO, DL, Other -</i>	NA	NA	NA	NA	IR	IR	IR	NA	NA	NA
Flow type <i>FF, CH, UN, UF, SF, SF, SF, SF, SF</i>	NP	NP	SM	SM	RP	RP	SM	SM	NP	NP
Channel modification(s) <i>W, B, S, G, CL, EA, PE, CE, D, M, P, C, M, S, R</i>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) <i>W, B, S, G, CL, EA, PE, CE, D, M, P, C, M, S, R</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK TICK if functional feature**

Material <i>W, B, S, G, CL, EA, PE, CE, D, M, P, C, M, S, R</i>	CA	CA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>W, B, S, G, CL, EA, PE, CE, D, M, P, C, M, S, R</i>	NO	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <i>W, B, S, G, CL, EA, PE, CE, D, M, P, C, M, S, R</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use (choose one from: BL, CL, DL, MR, SC, PL, SF, SL, FL, WL, OW, SU)

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK TOP (structure within 5m) <i>BL, CL, DL, MR, SC, PL, SF, SL, FL, WL, OW, SU</i>	S	S	U	U	U	S	S	S	U
LEFT BANK FACE (structure) <i>BL, CL, DL, MR, SC, PL, SF, SL, FL, WL, OW, SU</i>	R	U	S	S	S	B	S	B	U
RIGHT BANK FACE (structure) <i>BL, CL, DL, MR, SC, PL, SF, SL, FL, WL, OW, SU</i>	R	S	S	S	S	S	B	U	R
RIGHT BANK TOP (structure within 5m) <i>BL, CL, DL, MR, SC, PL, SF, SL, FL, WL, OW, SU</i>	S	U	S	U	U	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	TR	TL	TL	TL	TL	TL	TL	TL	TL

**G. CHANNEL VEGETATION (tick one box)**

None  PLANT GENERA - list first 5

Bryophytes/lichens	Emergent broad-leaved herbs	Ferns, reeds and grasses	Flowering leafed (rooted)	Frustrating	Amphibious	Submerged broad-leaved	Submerged fine-leaved	Filamentous algae

**SITE NO. 6286**

**CHANNEL VEGETATION**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/reed-improved grass (IG)		
Orchard (OK)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (PL)		
Scrub (SQ)			Open water (OW)		
Tall herb/mast vegetation (TH)			Suburban/urban development (SU)		

**CHANNEL BANKS**

Material/modified bank	L	R	Artificial/modified	L	R
Vertical/undercut	2	2	Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Deep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embankment		
			Set back embankment		

**TREES (tick one box per bank)**

	None	Left	Right	None	Present E (≥ 11%)
None	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Leaf continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Present E (≥ 11%)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Pollen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS**

	None	Present E (≥ 11%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Obstacle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**MARGINAL FEATURES**

	None	Present E (≥ 11%)
Marginal deadwood	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mature silted(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): *Slide*

**RIVER HABITAT SURVEY BY DIMENSIONS AND DIRECTIONS**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	0.9	RIGHT BANK	
Banktop height (m)	0.4	Water width (m)	0.5	Banktop height (m)
Embankment height (m)		Water depth (m)	0.02	Embankment height (m)

If embankment lower than banktop break in slope, indicate: height (m) = *X* width (m) *X*

Bed material at site is: consolidated (compact)  unconsolidated (loose)  *W*

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL VEGETATION**

None  Number of Channels = *2* Weirs = *0* Outfalls = *0* Fords = *0*  
 Footbridges = *0* Roadbridges = *0* Other = *0*  
 Is water impounded by weir/dam? No  Yes, < 11% of site  > 11% of site

**CHANNEL VEGETATION**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other  *State*

**CHARACTERISTICS OF CHANNEL VEGETATION**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Broken/mud channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Lively debris  Poo  Flank

**CHANNEL VEGETATION**

Is 11% or more of the channel choked with vegetation? NO  YES

**CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? *None* Rhododendron structure

**MAJOR IMPACTS**

landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - *composting* - afforestation - fisheries management - other? =

Land Management: set aside - buffer strip - bedload - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey heron - mallard - grebe - moorhen - grebe - damselfly/dragonfly

Other significant observations: *small drainage ditch between fields - 2-3m dia and 1m wide*

Address: *6286*

AMON: None  Present  Extensive  Damaged/Altered? None  Present  Extensive

1996 RIVER HABITAT SURVEY WITH DIMENSIONS AND INFLUENCES Page 1 of 4

### A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

### B. FIELD SURVEY DETAILS

Reference network site number: **6287**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **UN-NAMED**  
 Date **15.5.1996** Time: **12:35** Surveyor name: **DUMAN** Accreditation code: **1927**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

### C. PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/howl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

### D. NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY WITH SPOT CHECKS Page 2 of 4

PHYSICAL ATTRIBUTES (to be assessed across channel width of 1m wide transects) - in each only only

Spot check 111 upstream of downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TYPICAL (tick one box)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material (M) at 10, 20, 30, 40, 50, 60, 70, 80, 90, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (S) at 10, 20, 30, 40, 50, 60, 70, 80, 90, 100	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Substrate shape (F) at 10, 20, 30, 40, 50, 60, 70, 80, 90, 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type (T) at 10, 20, 30, 40, 50, 60, 70, 80, 90, 100	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TYPICAL (tick one box)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material (M) at 10, 20, 30, 40, 50, 60, 70, 80, 90, 100	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use (choose one from U, CP, UR, MR, IC, TH, CP, AC, FL, WL, DM, SU)

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) - none	U	S	U	U	U	U	U	U	U
LEFT BANK FACE (structure) - none	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure) - none	B	U	B	B	B	B	B	B	B
RIGHT BANK TOP (structure within 1m) - none	U	S	B	B	B	B	B	B	B
LAND USE WITHIN 5m OF BANKTOP (R)	TH	TH	IC	IC	IC	IG	IG	IG	IG

### G. PLANT GENERA (tick one box)

PLANT GENERA (tick one box)	1	2	3	4	5	6	7	8	9	10
None										
Bryophyta/Algae										
Emergent broad-leaved herbs										
Emergent reed/sedge/rushes										
Flowering herb (fringed)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

SITE NO. **6287**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Cultivated pastures (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Marsh/lowland (ML)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb meadow vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/recessed			Recessed	E	E
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Concrete			Artificial two-stage		
			Pitched		
			Embanked		
			Sci-thick embankment	E	E

### TREES (tick one box per bank)

None	Left	Right	None	Percent E (≥ 1%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/> <input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/> <input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/> <input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/> <input type="checkbox"/>
Scam continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/> <input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/> <input type="checkbox"/>

### ASSOCIATED FEATURES (tick one box per feature)

None	Percent E (≥ 1%)
None	<input type="checkbox"/> <input type="checkbox"/>
Exposed bankside	<input type="checkbox"/> <input type="checkbox"/>
Exposed boulders	<input type="checkbox"/> <input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/> <input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/> <input type="checkbox"/>
Mature island(s)	<input type="checkbox"/> <input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/> <input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/> <input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **slide**

### CHANNEL DIMENSIONS AND INFLUENCES

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	0.5	Banktop height (m)
Water width (m)	1.90	Banktop height (m)
Embanked height (m)	0.75	Embanked height (m)
Water depth (m)	0.02	Embanked height (m)

If embankment lower than banktop break in slope, indicate: height (m) =  $\times$  width (m) =  $\times$

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

### VEGETATION CHARACTERISTICS

None  Number of Culverts =  Weirs =  Outfalls =  Fords =   
 Footbridges =  Other =   
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

### VEGETATION INFLUENCES

None  Driveway  Mowing  Wood cutting   
 Enhancement  Other: **State Reservoir No. 237, MFL 1991/1**

### VEGETATION CHARACTERISTICS

None   
 Weir/fall > 5m high  Artificial open water  Bog  Other (state)   
 Weir/fall channel  Natural open water  Carr   
 Ditch dams  Water meadow  Marsh   
 Leafy debris  Pan  Flank

### RESTRICTED CHANNELS

Is 33% or more of the channel choked with vegetation? NO  YES

### VEGETATION CHARACTERISTICS

None  Giant Hogweed  Hemlock Water Butcher  Japanese Knotweed  Other: **Abundant in transect**

### MAJOR IMPACTS

None  tipping  litter  sewage  pollution  drought  obstruction  mill  dam  road  rail  industry   
 burning  mining  quarrying  afforestation  fertiliser management  siling  other

Land Management: set-aside  buffer strip  headland  structural land  partitioned  MoD  grazing land

Animals: otter  mallard  water vole  kingfisher  dipper  grey wagtail  mallard  heron  dragonfly/damselfly

Other significant observations: **Monthly Reservoir brook will earth damaged on 4/0**  
**Very low flow similar mac EA than the head (the stream local farmer says that 10 yrs ago NEA at top in stream) to show it has been red**

Alert? None  Present  Extensive  Damaged? None  Present  Extensive

**1996 RIVER HABITAT SURVEY (with IFR) - Field Form for Planning, Estimation and Reporting (Page 1 of 4)**

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation? **NO**  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: **6288**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **WADE BROOK**  
 Date: **15.1.1996** Time: **14:18** Surveyor name: **DUNCAN** Accreditation code: **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped flacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles **25** Unvegetated point bars **6**  
 Pools **7** Vegetated point bars **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS (Page 2 of 4)**

TALLY (see page 1) **10** Pools **11** Using site num **4111** Use point bar

**PHYSICAL ATTRIBUTES (to be selected from channel width of 1m wide transects)**

Spot check 1 is equivalent to	1	2	3	4	5	6	7	8	9	10
Material <b>NO</b> NO NO NO NO NO NO NO NO NO	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <b>NO</b> NO NO NO NO NO NO NO NO NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <b>NO</b> NO NO NO NO NO NO NO NO NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <b>NO</b> NO NO NO NO NO NO NO NO NO	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape <b>NO</b> NO NO NO NO NO NO NO NO NO	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
Pool type <b>NO</b> NO NO NO NO NO NO NO NO NO	RP	SM	SA	RP	NP	RP	RP	SM	UN	UN
Channel bank function(s) <b>NO</b> NO NO NO NO NO NO NO NO NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <b>NO</b> NO NO NO NO NO NO NO NO NO	RO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK - TICK if functional feature**

Material **NO** NO NO NO NO NO NO NO NO NO  
 Bank modification(s) **NO** NO NO NO NO NO NO NO NO NO  
 Bank feature(s) **NO** NO NO NO **SB** **PB** **SC** **PB** **SB** **PB** **NO**

**P BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: channel bed from **AL** **CP** **OR** **ML** **KL** **PL** **OL** **SL**

LAND USE WITHIN 5m OF BANK TOP (L)	TL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m) <b>NO</b>	S	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure) <b>NO</b>	S	B	C	S	C	U	S	B	S	C
RIGHT BANK FACE (structure) <b>NO</b>	S	B	C	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) <b>NO</b>	S	C	C	C	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	B	BL	BL	BL	BL	BL	BL	BL	BL	BL

**VEGETATION**

NONE	PLANT GENERA - list first 5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reed/bamboo/grasses										
Floating-leaved (rooted)										
Frae-floating										
Ambiguous										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

**IFE NO. 6288**

Broadleaved woodland (BL)	L	R	Rough pasture (RP)	L	R
Croft/crook plantation (CP)	E	E	Improved/mead-improved grass (IG)	E	E
Orchard (OK)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (ag bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/semi-vegetation (TH)			Suburban/urban development (SU)		

**Natural/unmodified**

Vertical/undrained	L	R	Artificial/unmodified	L	R
Vertical + toe	E	E	Reinforced - whole bank		
Steep (>4:1)	E	E	Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		

**POINCHED**

**EMBANKED**

**SET-BACK/CONCRETEWORK**

**TRUNKS (tick one box per bank)**

None	Left	Right	Shading of channel	None	Percent E (2-11%)
Isolated/vertical	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scal conditions	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present	None	Percent E (2-11%)
Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**WATERBODIES**

None	None	Percent E (2-11%)
Waterfalls > 5m high	<input type="checkbox"/>	<input type="checkbox"/>
Artificial open water	<input type="checkbox"/>	<input type="checkbox"/>
Brick/side channels	<input type="checkbox"/>	<input type="checkbox"/>
Natural open water	<input type="checkbox"/>	<input type="checkbox"/>
Debris dams	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Water meadows	<input type="checkbox"/>	<input type="checkbox"/>
Leafy debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Poa	<input type="checkbox"/>	<input type="checkbox"/>
Boag	<input type="checkbox"/>	<input type="checkbox"/>
Other (state)	<input type="checkbox"/>	<input type="checkbox"/>

**CHANNEL CHANGES**

Is 11% or more of the channel checked with vegetation? **NO**  **YES**

**MAJOR IMPACTS**

None  Great Haywood  Himalayan Balsam  Japanese Knotweed  Other? **Nettle Rhododendron bracken**

Major impacts: landfill - logging - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry - bombing - mining - quarrying - overgrazing - afforestation - fisheries management - other? =

Lead Management: cut-edge - buffer strip - headland - abandoned lead - portland - MoD - other? =

Animals: wren - mist - water vole - Kingfisher - dipper - grey heron - mud martin - heron - dragonflies/damselflies

Other significant observations: **Very muddy water - salmon. Not enough to eat - many dead fish - water is brown - river mounds**

Address: None  Present  Extensive  Discontinued Address? None  Present  Extensive

**1996 RIVER HABITAT SURVEY - DIMENSIONS AND MEASUREMENTS**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<b>3.40</b>	RIGHT BANK	Banktop width (m)	<b>3.40</b>
Banktop height (m)	<b>0.09</b>	Water width (m)	<b>1.90</b>	Banktop height (m)	<b>0.09</b>
Embedded height (m)	<input checked="" type="checkbox"/>	Water depth (m)	<b>0.04</b>	Embedded height (m)	<input checked="" type="checkbox"/>

If waterline lower than banktop break in slope, indicate: height (m) = **>** width (m) = **>**

Bed material at site is:  unconsolidated (coarse)  unconsolidated (fine)  consolidated

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURE OF BANKTOPS**

None  Number of Culverts = **0** Weirs = **0** Ditches = **1** Fords = **0**  
 Footbridges = **0** Roadbridges = **1** Other = **0**  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**STRUCTURE OF CHANNELS**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other: **Stake**

**STRUCTURE OF CHANNELS**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Brick/side channels  Natural open water  Carr   
 Debris dams  Water meadows  Marsh   
 Leafy debris  Poa  Flush

Is 11% or more of the channel checked with vegetation? **NO**  **YES**

**MAJOR IMPACTS**

None  Great Haywood  Himalayan Balsam  Japanese Knotweed  Other? **Nettle Rhododendron bracken**

Major impacts: landfill - logging - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry - bombing - mining - quarrying - overgrazing - afforestation - fisheries management - other? =

Lead Management: cut-edge - buffer strip - headland - abandoned lead - portland - MoD - other? =

Animals: wren - mist - water vole - Kingfisher - dipper - grey heron - mud martin - heron - dragonflies/damselflies

Other significant observations: **Very muddy water - salmon. Not enough to eat - many dead fish - water is brown - river mounds**

Address: None  Present  Extensive  Discontinued Address? None  Present  Extensive

1996 RIVER HABITAT SURVEY with ICB mods for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Water Quality Class Navigation? NO  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6291  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: IRWELL  
 Date: 17/5/1996 Time: 16:23 Surveyor name: DUMANN Accreditation code: PZ7  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph - general character? No  Yes  (tick one box) (2)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (If U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box only)

Riffles 4 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
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1996 RIVER HABITAT SURVEY - TEN SPOT-CHECKS Page 2 of 2

TALLY (use JH1 for riffles) Points Large side bars Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - use only if applicable**

Spot check 1 m upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> (tick if functional)										
Material <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> A <input checked="" type="checkbox"/> O <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W	BR	BR	OR	BR	BR	NR	BR	PR	PR	PR
Bank modification(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> A <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI
Bank features(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> A <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b> (tick if functional)										
Channel substrate <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> A <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W	BO	BO	NV	BO	AR	BO	BO	BO	CO	BO
Substrate shape <input checked="" type="checkbox"/> FL <input checked="" type="checkbox"/> OV <input checked="" type="checkbox"/> SL <input checked="" type="checkbox"/> CU <input checked="" type="checkbox"/> FO <input checked="" type="checkbox"/> OR <input checked="" type="checkbox"/> Other - note	IR	ER	NA	IR	NA	IR	IR	IR	IR	IR
Flow type <input checked="" type="checkbox"/> FT <input checked="" type="checkbox"/> CH <input checked="" type="checkbox"/> UN <input checked="" type="checkbox"/> ST <input checked="" type="checkbox"/> RP <input checked="" type="checkbox"/> UP <input checked="" type="checkbox"/> SM <input checked="" type="checkbox"/> PD	UN	UN	SM	UN	RP	RP	RP	UN	SM	SM
Channel modification(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> A <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W	RS	RS	CV	RS	RS	RS	RS	RS	RS	RS
Channel features(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> A <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W	RO	NO	NV	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b> (tick if functional)										
Material <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> A <input checked="" type="checkbox"/> O <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W	BR	BR	BR	BR	OR	BR	BR	BR	BR	BR
Bank modification(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> A <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI
Bank features(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> A <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use choose one from BL, CP, OR, MH, SC, TH, RP, RC, FL, ML, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SA	EL	SA	SU	SU	SU	SU
LEFT BANK TOP (structure within 1m) <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> S	B	B	B	S	S	S	B	B	S	S
LEFT BANK FACE (structure) <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B	B	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure) <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B	B	B	B	B	B	B	B	B	B	B
RIGHT BANK TOP (structure within 1m) <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> B	B	B	B	B	B	B	B	B	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SU	EL	SU	EL	SU

**G. PLANT GENERA (tick one box only)**

NONE  PLANT GENERA - list first 5

Bryophytes/algae	
Emergent broad-leaved herbs	
Emergent roots/sedges/rushes	
Flowering-leaved (rooted)	
Free-floating	
Amphibious	
Submerged broad-leaved	
Submerged fine/leaf-leaved	
Filamentous algae	E E E E E E E E E E

SITE NO. 6291

**LAND USE AND VEGETATION (L/R)**

	L	R		L	R
Broadleaved woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/moor-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (W)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Suburban/urban development (SU)	E	E

**CHANNEL DIMENSIONS AND INFLOW**

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/overcut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed		
Vertical + toe			Reinforced - whole bank	E	E
Steep (>45)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

**TREES (tick one box per bank)**

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel <input type="checkbox"/> Present E (>33%) <input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs <input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots <input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots <input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees <input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris <input checked="" type="checkbox"/>

**WATERFALLS AND POOLS**

	None	Present E		None	Present E (>33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Manure wash(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Riffle - Run

**CHANNEL DIMENSIONS AND INFLOW**

LEFT BANK	Banktop width (m)	16.0	RIGHT BANK
Banktop height (m)	Water width (m)	7.0	Banktop height (m)
Embanked height (m)	Water depth (m)	0.2	Embanked height (m)

If smaller lower than banktop break in slope, indicate: height (m) = / width (m) = /

Bed material at site is: consolidated (compact)  nonconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL FEATURES**

None  Number of Culverts = 1 Weirs = 1 Overfalls = 0 Fords = 0  
 Footbridges = 2 Roadbridges = 3 Other = 0  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**RECORDS OF CHANNEL MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? Set

**FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Box  Other (state)   
 Brashed/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHANNEL VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

**OTHER OBSERVATIONS**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**OTHER OBSERVATIONS**

Major impacts: landfill - tipping - (tick) sewage - pollution - drought - abstraction - mill - dam - (tick) rail - (tick) other - (tick) quarrying - overtopping - afforestation - fisheries management - (tick) other - (tick) other - (tick) other

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD (tick) other - (tick) other - (tick) other

Animals: other - snail - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: River flows between/under roads & shopping centre (No 1 & 2) & ASDA  
 & some hills in river

**ALDERS**

Alders: None  Present  Extensive  Dispersed Alders: None  Present  Extensive



**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform Category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: **6292**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **ALDER**  
 Date: **17/5/1996** Time: **14:31** Surveyor name: **DUNNAN** Accreditation code: **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state: **serious pollution**

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box) (3)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (If U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box only)**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

Fully (see p11) for Riffles (111) Pools (1) Large side bars (1) Veg point bars (1)

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) 1 = one tally only**

Spot check 1 is upstream	downstream	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> (TICK if functional feature)											
Material		BR	BR	BR	BR	BR	BR	BR	BR	BR	BR
Bank modification(s)		RI	RI	RI	RI	RI	RI	RI	RI	RI	RI
Bank feature(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Substrate shape		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type		SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)		RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b> (TICK if functional feature)											
Material		BR	BR	BR	BR	BR	BR	BR	BR	BR	BR
Bank modification(s)		RI	RI	RI	RI	RI	RI	RI	RI	RI	RI
Bank feature(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)</b>											
Land use: Choose one from RL, CP, OH, MH, SC, TH, RP, KC, FL, WL, UK, U1											
LAND USE WITHIN 5m OF BANKTOP (L)		SL	SL	SL	SL	SL	SL	SL	SL	SL	SL
LEFT BANK TOP (structure within 1m)		S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure)		S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)		S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m)		B	B	B	B	B	B	B	B	B	B
LAND USE WITHIN 5m OF BANK TOP (R)		SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
<b>G. CHANNEL VEGETATION TYPES (tick one box only)</b>											
NONE <input type="checkbox"/> PLANT GENERA - list firm S <input checked="" type="checkbox"/>											
Bryophytes/Algae <input type="checkbox"/>											
Emerg broad-leaved herbs <input type="checkbox"/>											
Emerg reeds/marshes <input type="checkbox"/>											
Floating leaves (emerged) <input type="checkbox"/>											
Free-flouring <input type="checkbox"/>											
Amphibious <input type="checkbox"/>											
Submerged broad-leaved <input type="checkbox"/>											
Submerged fine/linear leaved <input type="checkbox"/>											
Filamentous algae <input checked="" type="checkbox"/>											

SITE NO. **6392**

	L	R		L	R
Broadleaf/decid woodland (BL)	E	F	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ rank vegetation (TH)			Suburban/urban development (SU)	E	F
Natural/semi-nat	L	R	Artificial/semi-art	L	R
Vertical/random			Reinforced		
Vertical + toe			Reinforced - whole bank	E	F
Steep (>45°)			Reinforced - toe only		
Grass			Reinforced - toe only	E	F
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**TREES (tick one box per bank)**

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2-33%)
None	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scam/contiguous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS AND CHANNEL FEATURES**

	None	Present E (2-33%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>
Canal(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Roar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **Glide - riffle**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND CHANNEL FEATURES Page 3 of 4

**E. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	1.5	Banktop height (m)
Embanked height (m)	12	Embanked height (m)
Water width (m)	12	Water depth (m)
Water depth (m)	NK	Embanked height (m)

If transect lower than banktop break in slope, indicate: height (m) = **12**, width(m) = **12**

Bed external to site: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one best)

**A. ANTHROPOGENIC FEATURES**

None  Number of Culverts =  Weirs =  Outfalls =  Fords =   
 Footbridges =  Roadbridges =  Other =   
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**N. EVIDENCE OF CHANNEL MAINTENANCE**

None  Dredging  Moving  Wood cutting   
 Enhancement  Other? State

**O. FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog   
 Branded/wide channels  Natural open water  Curt   
 Debris dams  Water meadow  Marsh   
 Lefty debris  Flot  Flush

**P. CHANNEL CHARACTERISTICS**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q. CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle/Rhododendron bracken

**R. CHANNEL VEGETATION FOREST**

Major impacts: bankfall (erosion) - litter - sewage - drought - obstruction - mill - dam - rail - road - quarrying - quarrying - overgrazing - afforestation - habitat management - silt - other =

Land Management act side - buffer strip - bankfall - abandoned land - parkland - MoD - other =

Animals: otter - mall - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: **This river is seriously polluted. It runs between a main road (crosses) and a canal. Excessively unattractive. It is a good deal of weaning fluid.**

**S. ALDER (tick appropriate)**

Alters? None  Present  Extensive  Decayed Alders? None  Present  Extensive

Bank height of **12** Spins to left bit of pollution problem

**1996 RIVER HABITAT SURVEY with IFE mod for plant genera and fencing - Page 1 of 4**

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation? *NO*  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: *6296*  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: *UN-NAMED*  
 Date: *10.15.1996* Time: *15:21* Surveyor name: *DUNCAN* Accreditation code: *PF27*

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF IFE POOLS AS USED IN IFE (tick one box)**

Riffles: *2* Unvegetated point bars: *0*  
 Pools: *0* Vegetated point bars: *0*

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
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**1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS - Page 2 of 4**

TALLY (see IFE for Riffles) Pools Unveg side bars Veg point bars

**E. PHYSICAL ATTRIBUTES (to be measured across channel within a 1m wide transect) - see entry only**

Spot check 1 is upstream  downstream

LEFT BANK - TICK if functional force	1	2	3	4	5	6	7	8	9	10
Material (VY, AF, AO, CO, CL, LA, PL, PO, SC, SF, SY, CA, BA, BR, BW)	BR	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M, NO, R, RI, PC, RM, SM)	RI	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (M, NO, EC, SC, PF, VP, SR, VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (M, BA, BO, CO, CP, SA, R, CL, PL, EA)	AR	CO	L	NV	ES	SA	SI	SI	SI	SI
Substrate shape (FL, OF, EL, LF, CL, PO, RL, DM, SM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type (FF, CE, EN, UN, CF, BF, UF, SH, UP, HO)	SM	UN	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) (M, NO, EC, SC, PF, VP, SR, VS)	NO	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) (M, NO, R, RI, PC, RM, SM)	TR	NO	TR	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TICK if functional force										
Material (VY, AF, AO, CO, CL, LA, PL, PO, SC, SF, SY, CA, BA, BR, BW)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M, NO, R, RI, PC, RM, SM)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M, NO, EC, SC, PF, VP, SR, VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OH, NH, SC, TH, RP, NO, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK TOP (structure within 1m) BAUSC	B	S	S	C	C	S	S	S	U	S
LEFT BANK FACE (structure) BAUSC	B	S	C	C	C	S	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	U	S	C	C	C	S	S	S	U	S
RIGHT BANK TOP (structure within 1m) BAUSC	S	C	S	U	U	S	U	S	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	TL	TL	TL	TL	TL	TL	TL	TL

**G. CHANNEL VEGETATION TYPES (tick one box)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

**SITE NO. 6296**

**H. CHANNEL VEGETATION TYPES (continued)**

	L	R		L	R
Broadleaved/woody woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/semi-vegetation (TH)			Substrate/rock development (SD)		<input checked="" type="checkbox"/>

**I. CHANNEL VEGETATION TYPES (continued)**

Natural/unmodified bed	L	R	Artificial/modified	L	R
Vertical/woodcut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe			Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Contiguous			Artificial two-stage		
			Penstock		
			Embankment		
			Set-back embankments		

**J. TREES (tick one box per bank)**

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None	<input checked="" type="checkbox"/>	Present E (2-33%)	<input checked="" type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Canopy woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**K. ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rue(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Manure island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ohide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): *split/jaffle*

**1996 RIVER HABITAT SURVEY - DIMENSIONS AND CHANNEL VEGETATION**

**L. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<i>2.2</i>	RIGHT BANK	
Banktop height (m)	Water width (m)	<i>2.2</i>	Banktop height (m)	<i>0.1</i>
Embankment height (m)	Water depth (m)	<i>0.3</i>	Embankment height (m)	

If waterline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)

Location of measurement is: riffle  run or glide  other  (tick one box)

**M. CHANNEL VEGETATION**

None  Number of Cutwags = *0* Weirs = *0* Duffalls = *1* Fords = *0*  
 Footbridges = *3* Other = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

None  Designing  Moving  Weed cutting   
 Enhancement  Other?  Stone \_\_\_\_\_

**N. CHANNEL VEGETATION**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brinded/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**O. CHANNEL VEGETATION**

Is 13% or more of the channel choked with vegetation? No  Yes

**P. CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  *Rhododendron fruticosum*

**Q. CHANNEL VEGETATION**

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - burning - mining - quarrying - overstocking - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - grebe/duck/duckling \_\_\_\_\_

Other significant observations: *Recessed stream between tilted bank. At mid-pt of site a large drain is immediately neighbouring stream with iron up. water is low enough there were small holes in bank at up end*

**R. CHANNEL VEGETATION**

Alters? None  Present  Extensive  Discussed Alters? None  Present  Extensive



**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6299  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: ARLE  
 Date: 23.5.1996 Time: 14:31 Surveyor name: JM Accreditation code: PF27

Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/howl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

**E. PHYSICAL ATTRIBUTES (to be assessed across channel, within a 1m wide transect) = one entry only**

Spot check 1 is upstream  downstream

**LEFT BANK - TICK if functional focus**

Material	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank modification(s)	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank features(s)	CL	CL	CL	CL	CL	CL	CL	CL	CL

**CHANNEL - TICK if functional focus**

Channel substrate	SM	SM	SM	SM	SM	SM	SM	SM	SM
Substrate shape	SM	SM	SM	SM	SM	SM	SM	SM	SM
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM

**RIGHT BANK - TICK if functional focus**

Material	CL	CL	CL	CL	CL	CL	CL	RR	CL
Bank modification(s)	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank features(s)	CL	CL	CL	CL	CL	CL	CL	CL	CL

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from: TH TH TH TH TH TH TH TH TH TH

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK TOP (structure within 1m) natural	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) natural	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure) natural	B	B	B	B	B	B	B	B	B
RIGHT BANK TOP (structure within 1m) natural	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	TH	TH	TH	TH

**D. CHANNEL VEGETATION TYPES (tick one box only)**

NONE / PLANT GENERA list first 5									
Bryophytes/lichens									
Emerg broad-leaved herbs									
Emerg reeds/sedges/rushes									
Floating leafed (rooted)									
Free floating									
Amphibious									
Submerged broad-leaved									
Submerged fine/linear-leaved									
Filamentous algae									

SITE NO. 6299

**LAND USE WITHIN 5m OF BANKTOP**

	L	R		L	R
Broad/leaved woodland (BL)			<input checked="" type="checkbox"/>		
Coniferous plantation (CP)					
Orchard (OR)					
Moorland/heath (MH)					
Scrub (SC)					
Tall herbs + scrub vegetation (TH)					
Natural/unmodified					
Vertical/undercut					
Vertical + toe					
Steep (>45°)					
Grade					
Composite					
Poached					
Embanked					
Set back embankment					

**TREES (tick one box per bank)**

None	Left <input type="checkbox"/>	Right <input type="checkbox"/>	Shading of channel	None <input type="checkbox"/>	Present E (2-11%) <input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-contiguous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Canopy woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present E (2-11%) <input type="checkbox"/>
Maximal deadwater	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>
Natural island(s)	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): GLW

**CHANNEL DIMENSIONS AND INFLUENCES**

LEFT BANK	Banktop width (m)	<u>26.0</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>23.0</u>	Banktop height (m)	<u>1.5</u>
Embanked height (m)	Water depth (m)	<u>NK</u>	Embanked height (m) Bank	<u>3.0</u>

If bankline lower than banktop level in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  rap or glide  other  (tick one box)

**MANAGEMENT INFLUENCES**

None  Number of Culverts = 1 Weirs = 0 Outfalls = 0 Fords = 0  
 Footbridges = 0 Roadbridges = 0 Other = 0

Is water impounded by weirs/fords? No  Yes, <33% of site  >33% of site

**MANAGEMENT PRACTICES**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State: 0

**VEGETATION INFLUENCES**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foss  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

**OTHER SIGNIFICANT OBSERVATIONS**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nearly Rhododendron bracken

Major impacts: landfill - tipping - liner - sewage - pollution - drought - abstraction - mill - dam - road - oil industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - siting - other? =

Land Management: set-back - buffer strip - bedload - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: Large hold river Bank material is a bricklay mixite  
Virtually nothing living over on L/B, gap on left into pond during high tide

Abhors? None  Present  Extensive  Occasional Abhors? None  Present  Extensive







**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation? *NO*  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: *6302*  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: *SE 936 22T* River: *MALTON DRAIN*  
 Date: *22.5.1996* Time: *9:01* Surveyor name: *DUNCAN* Accreditation code: *PF27*

Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/hoarl (If U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:  
 NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)  
 Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS** Page 2 of 4

TALLY (see DM) for: Rifles Pools Unveg side bars Veg point bars

**PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect; \* = one entry only)**

Spot check 1 is upstream/downstream?	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material <i>W, R, NO, CO, CL, SL, PL, CL, CC, SP, WY, GA, BR, BR, WY</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>W, NO, RS, RL, FC, BR, BR, WY</i>	RS	RS	RS	NO	RS	RS	NO	NO	NO	NO
Bank feature(s) <i>W, NO, EC, SC, PB, VP, SB, VS</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material <i>W, R, NO, CO, CL, SL, PL, CL, CC, SP, WY, GA, BR, BR, WY</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>W, NO, RS, RL, FC, BR, BR, WY</i>	RS	RS	RS	NO	RS	RS	NO	NO	NO	NO
Bank feature(s) <i>W, NO, EC, SC, PB, VP, SB, VS</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)</b>										
Land use: choose one from <i>BL, CL, OR, WH, SC, TH, RP, AG, FL, WL, OW, SU</i>										
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	BL	SU	Px	T	SC	SC	SC
LEFT BANK TOP (structure within 1m) <i>BL/SC</i>	S	S	S	S	S	E	S	C	C	C
LEFT BANK FACE (structure) <i>BL/SC</i>	S	U	U	B	B	B	C	C	C	S
RIGHT BANK TOP (structure within 1m) <i>BL/SC</i>	U	U	U	S	S	S	C	C	C	S
RIGHT BANK FACE (structure) <i>BL/SC</i>	S	U	U	S	S	S	C	C	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TH	TH	SC	SC	SC	Px	SU

**CHANNEL VEGETATION**

NONE  PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad leaved herbs										
Emerg reed/wet pool/rushes										
Flowering leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg fringed leaved										
Filamentous algae										

SITE NO. *6302* RIVER LABORATORY EAST STOKE WAREHAM

**INDICATORS OF CHANNEL VEGETATION**

	L	R		L	R
Broadleaved woodland (BL)		E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/unimproved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	V	V	Open water (OW)		V
Tall herb/mao vegetation (TH)	V	V	Suburban/urban development (SU)	V	V

**NATURAL/UNMODIFIED**

	L	R		L	R
Vertical/uniform			Reinforced	E	E
Vertical + toe			Reinforced - whole bank	V	V
Steep (>45°)		V	Reinforced - top only		
Crestle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

**TREES (tick one box per bank)**

None	Left	Right	None	Percent E (≥ 33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Percent E (≥ 33%)
Marginal dead-water	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>
Unvegetated mid channel bar(s)	<input type="checkbox"/>
Vegetated mid channel bar(s)	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>

Waterfall(s)  None  Present  E

Cascade(s)  None  Present  E

Rapid(s)  None  Present  E

Riffle(s)  None  Present  E

Run(s)  None  Present  E

Pool(s)  None  Present  E

Slide(s)  None  Present  E

Pool(s)  None  Present  E

Indicate predominant flow sequence (select up to three features): *non-permeable floor*

**1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<i>9.0</i>	RIGHT BANK	
Banktop height (m)	Water width (m)	<i>5.0</i>	Banktop height (m)	<i>1.0</i>
Embedded height (m)	Water depth (m)	<i>NK</i>	Embedded height (m)	<i>X</i>

If treeless lower than banktop break in slope, indicate: height (m) = *X* width (m) = *X*

Bed material at site is: consolidated (compact)  unconsolidated (loose)  banktop

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES**

None  Number of Culverts =  Weirs =  Outfalls =  Fords =   
 Footbridges =  Roadbridges =  Other =

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**CHARACTER OF VEGETATION**

None  Dredging  Moving  Wood cutting   
 Enhancement  Other? State: .....

**FEATURES OF VEGETATION**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Bridled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pan  Flush

**CHOSEN CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick)  Rhododendron bracteatus

**DEBRIS CHARACTERISTICS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - silting - other? =

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: *Non-permeable floor over flowing large area of D/S*  
*river flows only to form what has now become a dry gully on.*

Alters? None  Present  Extensive  Damaged Alters? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?   
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6303  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: UN-NAMED  
 Date: 22.5.1996 Time: 10:50 Surveyor name: PURSON Accreditation code: P27  
 Adverse conditions affecting survey? No  Yes  If yes, state: RAIN  
 Bed of river visible? No  Partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add "U")   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOEVE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY SPOT CHECKS Page 2 of 4

FALLEN (use IFE for Riffles) Pools Using side bars Veg point bars

**A. PHYSICAL ATTRIBUTES (to be assessed across channel profile in 1m wide transects) (one entry only)**

Spot check 1 is upstream	1	2	3	4	5	6	7	8	9	10
Material <u>NO</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u> <u>EA</u>	CC	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u>	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u>	NP	SM	SM	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u> <u>NO</u>	TR	NO	NO	NO	NO	NO	NO	NO	NO	NO

**B. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide strip(s))**

Land use, choose one from RL, CL, OH, MH, SC, TH, RP, NG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK TOP (structure within 1m) <u>BU</u> <u>SC</u>	U	S	S	U	U	S	U	S	S	S
LEFT BANK FACE (structure) <u>BU</u> <u>SC</u>	B	S	B	U	S	B	S	S	S	U
RIGHT BANK FACE (structure) <u>BU</u> <u>SC</u>	U	S	S	U	S	U	S	S	S	S
RIGHT BANK TOP (structure within 1m) <u>BU</u> <u>SC</u>	S	S	S	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH

**C. CHANNEL VEGETATION (list first 5)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes <u>Phragmites</u>										
Floating-leaved (rooted)										
Free-floating										
Aquatic ferns										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

SITE NO. 6303

**A. CHANNEL VEGETATION**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough grasses (RG)		
Coniferous plantation (CP)			Improved/local improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - rank vegetation (TH)	E	E	Suburban/urban development (SU)	E	E

**B. CHANNEL VEGETATION (continued)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Sloped (>45°)			Reinforced - top only		
Crustic			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**C. TREES (tick one box per bank)**

None	Left	Right	None	Present E (≥ 11%)
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>

**D. ASSOCIATED FEATURES (tick one box per feature)**

None	Present E (≥ 11%)
Marginal deadwater	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>
Unvegetated mid channel bar(s)	<input type="checkbox"/>
Vegetated mid channel bar(s)	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>

**E. WATERFALLS AND POINT BARS**

Waterfall(s)	None	Present E	None	Present E (≥ 11%)
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): NOV - riffles (low)

1996 RIVER HABITAT SURVEY DIMENSIONS AND INTERFERENCES

**A. CHANNEL DIMENSIONS (to be assessed across channel profile in 10m wide transects)**

LEFT BANK	Banktop width (m)	4.0	RIGHT BANK
Banktop height (m)	0.15	Water width (m)	3.0
Embankment height (m)		Water depth (m)	0.4
		Embankment height (m)	0.15

If transition lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**B. CHANNEL VEGETATION**

None  Number of Culverts =  Weirs =  Outfalls = 2  Fords = 0   
 Footbridges = 2  Roadbridges = 1  Other = 0   
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

None  Dredging  Mowing  Wood cutting   
 Embankment  Other? State:

**C. CHANNEL VEGETATION (continued)**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Divided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Loose debris  Fen  Flush

**D. CHANNEL VEGETATION (continued)**

Is 11% or more of the channel checked with vegetation? NO  YES

**E. CHANNEL VEGETATION (continued)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Notic Rhododendron bracken

**F. CHANNEL VEGETATION (continued)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - rail - industry - housing - mining - quarrying - power/cable - afforestation - fisheries management - siltation - other? =

Lead Management: set aside - buffer strip - bankland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dapper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: High choked dam beside industrial estate & agricultural land  
q/s. water became v. opaque.

**G. CHANNEL VEGETATION (continued)**

Alders? None  Present  Extensive  Damaged Alders? None  Present  Extensive

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Soil geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6304  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 158 246 River: WYTON DRAIN  
 Date: 22.5.1996 Time: 9:50 Surveyor name: DNIAN Accreditation code: PF27

Adverse conditions affecting survey? No  Yes  If yes, state: Rain  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY WITH SPOT CHECKS Page 2 of 4

FALLY (use DFF) for Riffles Points Unveg side bars Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel width (m wide transects) - one entry only**

Spot check 1 vs upstream (1) downstream

LEFT BANK - TOP (structure within 1m) BUS/C	2A	EA	EA	EA	EA	EA	EA	EA	EA
LEFT BANK FACE (structure) BUS/C	RS	RS	RS	RS	RS	RS	RS	RS	RS
RIGHT BANK FACE (structure) BUS/C	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TOP (structure within 1m) BUS/C	EA	EA	EA	EA	EA	EA	EA	EA	EA
RIGHT BANK FACE (structure) BUS/C	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel features (1) BUS/NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RL, CL, OR, NR, SC, TH, RP, NG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK - TOP (structure within 1m) BUS/C	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BUS/C	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BUS/C	U	U	U	U	U	U	U	U	U
RIGHT BANK - TOP (structure within 1m) BUS/C	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANKTOP (R)	TH	TH	TH	TH	TH	TH	TH	TH	TH

**G. CHANNEL VEGETATION TYPES (tick)**

NONE / PLANT GENERA List Gen S									
Bryophytes/lichens									
Emergent broad-leaved herbs									
Emergent reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)									
Free-floating									
Amphibious	✓	✓	✓	✓	✓	✓	✓	✓	✓
Submerged broad-leaved									
Submersy fascicular-leaved	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 6304

Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/wet vegetation (TH)	E	E	Suburban/urban development (SU)	E	E

**NATURAL/UNMODIFIED** L R **ARTIFICIAL/MODIFIED** L R

Vertical/undercut	✓	✓	Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Ponded		
			Embanked		
			Set-back embankments		

**TREES (tick one box per bank)** **ASSOCIATED FEATURES (tick one box per feature)**

None	Left	Right	Shading of channel	None	Percent	E (2.33%)
Isolated/scattered			Overhanging boughs			
Regularly spaced, single			Exposed bankside roots			
Occasional clumps			Underwater tree roots			
Scattered continuous			Fallen trees			
Continuous			Coarse woody debris			

Waterfall(s)	None	Percent	E (2.33%)	Marginal deadwater	None	Percent	E (2.33%)
Cascade(s)				Exposed bedrock			
Rapid(s)				Exposed boulders			
Riffle(s)				Unvegetated mid-channel bar(s)			
Run(s)				Vegetated mid-channel bar(s)			
Pool(s)				Matrix island(s)			
				Unvegetated side bar(s)			
				Vegetated side bar(s)			

Indicate predominant flow sequence (select up to three features): run - pool - waterfall

1996 RIVER HABITAT SURVEY WITH DIMENSIONS AND INFLUENCES Page 2 of 4

**H. CHANNEL DIMENSIONS (to be assessed across channel width (m wide transects) - one entry only**

LEFT BANK	Banktop width (m)	6.0	RIGHT BANK	
Banktop height (m)	Water width (m)	5.0	Banktop height (m)	0.5
Embanked height (m)	Water depth (m)	0.4	Embanked height (m)	

If gradient lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other?  (tick one box)

None  Number of Culverts =  Weirs =  Outfalls =  Fords =   
 Footbridges =  Roadbridges =  Other =

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**I. CHANNEL MANAGEMENT**

None  Dredging  Moving  Weed cutting   
 Embankment  Other? Stone

**J. VALUES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Bridge/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  Nettle/Rhododendron bractea

**K. OTHER SIGNIFICANT FEATURES**

Major impacts: bankfill - slipping - litter - sewage - pollution - drought - obstruction - mill - dam (road) rail (industry) - bombing - mining - quarrying (overlookings) - afforestation - fisheries management - siting - other? =

Land Management: set-back (buffer strip) - woodland - abandoned head - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: I think the stream may be old flow before 1910  
Individual note

Alders? None  Present  Extensive  Damaged Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY (with IFE modification for riparian and instream) Page 1 of 4

### A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? **NO**  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

### B. FIELD SURVEY DETAILS

Reference network site number: **6306**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River **WINDHEAD DRAIN**  
 Date **22.15.1996** Time: **14:47** Surveyor name **DUNNAN** Accreditation code **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state **Rain**

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

### C. PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/howl (if U-shaped glacial valley, add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

### D. MULTIPLE CHANNELS, POOLS AND POINT BARS (tick one box only)

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY (with SPOT CHECKS) Page 2 of 4

FAULTY (tick box) for - Riffles Pools Three side bars Veg point bars

### E. PHYSICAL ATTRIBUTES (to be assessed across channel width 2m (riparian) 1m (instream))

Spot check 1-10 upstream of downstream 11	1	2	3	4	5	6	7	8	9	10
Material <b>HE, HO, CO, SE, AL, SL, CL, SF, W, PL, M, NP, SP</b>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <b>HE, HO, AL, PL, M, NP, SP</b>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <b>HE, HO, SE, CL, SF, W, PL, M, NP, SP</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <b>HE, HO, CO, SE, AL, SL, CL, SF, W, PL, M, NP, SP</b>	NJ	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape <b>FL, OV, EL, D, CU, FO, R, DR, DR, DR, DR</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type <b>FF, CR, NP, NP, CR, NP, NP, NP, NP, NP, NP</b>	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) <b>HE, HO, CO, SE, AL, SL, CL, SF, W, PL, M, NP, SP</b>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) <b>HE, HO, CO, SE, AL, SL, CL, SF, W, PL, M, NP, SP</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK <b>TYPE II (functional) Spot</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Material <b>HE, HO, CO, SE, AL, SL, CL, SF, W, PL, M, NP, SP</b>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <b>HE, HO, AL, PL, M, NP, SP</b>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <b>HE, HO, SE, CL, SF, W, PL, M, NP, SP</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use (choose one from FL, OF, DR, NH, SC, TH, RP, GL, RL, CL, CR, SU)

LAND USE WITHIN 5m OF BANKTOP (L)	FL	OF	DR	NH	SC	TH	RP	GL	RL	CL	CR	SU
LEFT BANK TOP (structure within 5m) BASIC	S	S	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BASIC	U	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BASIC	U	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 5m) BASIC	U	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	FL	OF	DR	NH	SC	TH	RP	GL	RL	CL	CR	SU

### G. CHANNEL VEGETATION (tick one box only)

NONE  PLANT GENERA - list Gen 5

Bryophytes/lichens	<input type="checkbox"/>
Emergent broad-leaved herbs	<input type="checkbox"/>
Emergent reed/wedge-grasses	<input checked="" type="checkbox"/>
Floating-leaved (rooted)	<input type="checkbox"/>
Frag. Floating	<input type="checkbox"/>
Ambiphilous	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>
Submerged fine-leaved	<input type="checkbox"/>
Filamentous algae	<input type="checkbox"/>

SITE NO. **6306**

### H. CHANNEL VEGETATION (tick one box per bank)

	L	R		L	R
Broad-leaved woodland (BL)			Rough pasture (RP)		<input checked="" type="checkbox"/>
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		<input checked="" type="checkbox"/>
Oakland (OK)			Tiled head (TL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Moorland/heath (MH)			Wetland (eg bog, scrub, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ reed vegetation (TH)			Suburban/urban development (SU)		

### I. CHANNEL VEGETATION (tick one box per bank)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/erosion	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rationalised	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + bar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Slope (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Propped	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embedded	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			So bank abandonment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

### J. CHANNEL VEGETATION (tick one box per feature)

None	Left	Right	None	Percent E (2.11%)
Isolated/recessed	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional change	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Scal continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underway tree roots	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>

### K. CHANNEL VEGETATION (tick one box per feature)

None	Percent E	None	Percent E (2.11%)
Waterfall(s)	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>
Confluence(s)	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>
Ran(s)	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **NP, RP, BL**

1996 RIVER HABITAT SURVEY (with DIMENSIONAL AND INSTREAM)

### L. CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	<b>0.5</b>	Banktop height (m)
Embankment height (m)	<b>5.0</b>	Embankment height (m)
Water width (m)	<b>6.0</b>	Water width (m)
Water depth (m)	<b>0.5</b>	Water depth (m)

If available lower than banktop level in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material of site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of assessment is: riffle  rap or glide  other  (tick one box)

### M. CHANNEL VEGETATION

None  Number of Channels = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Pointbridges = \_\_\_\_\_ Rambridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weirs? No  Yes, <33% of site  >33% of site

### N. CHANNEL VEGETATION

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? State \_\_\_\_\_

### O. CHANNEL VEGETATION

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Broken/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foss  Flats

Is 33% or more of the channel choked with vegetation? NO  YES

### P. CHANNEL VEGETATION

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron bracken

### Q. CHANNEL VEGETATION

Major impacts: flooding  tipping  litter  sewage  pollution  drought  obstruction  spill  dam  road  rail  industry   
 burning  mining  quarrying  agriculture  afforestation  forestry management  other

Land Management: set aside  buffer strip  hedland  abandoned land  portland  MoD  other? Name \_\_\_\_\_

Animals: other  otter  water vole  kingfisher  dipper  grey wagtail  sand martin  heron  dragonfly/damselfly

Other significant observations: **note, found down valve had a job**

### R. CHANNEL VEGETATION

Address: None  Present  Extensive  Discard Address? None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

Altitude(m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? *NO*  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number *6307*  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: *SD 369171* River: *THREE POOLS WATERWAY*  
 Date *3/16/1996* Time *11:35* Surveyor name *BUNTON* Accreditation code *PF27*

Adverse conditions affecting survey? No  Yes  If yes, state *Rain*  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  | IFE - VALLEY FORM NOTES:

**NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box only)**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

*D COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB*

**SITE NO. 0101**

Rough/Unimproved woodland (BL)	L	R	Rough pasture (RP)	L	R
Coniferous plantation (CP)			Improved/semi improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		E
Scrub (SC)			Open water (OW)		
Tall herbs / mud vegetation (TH)			Suburban/urban development (SU)		

Natural/semi-natural	L	R	Artificial/modified	L	R
Vertical/undercut	<i>2</i>	<i>2</i>	Reinforced	<i>2</i>	<i>2</i>
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

**TREES (tick one box per bank)**

None	Left	Right	Associated features (tick one box per feature)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Pollen trees
			Course woody debris

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Present	E	Marginal dead-water	None	Present	E (≥ 1%)
Constriction(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mower strand(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): *NON PERVIOUS FLOW*

**LEFT BANK SURVEY - RIFLES**

Not check if in upstream  downstream

Bank modification(s)	1	2	3	4	5	6	7	8	9	10
Bank modification(s)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank substrate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Substrate slope	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bank modification(s)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK SURVEY - RIFLES**

Bank modification(s)	1	2	3	4	5	6	7	8	9	10
Bank modification(s)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank substrate	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Substrate slope	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS

**LEFT BANK SURVEY - VEGETATION**

USE WITHIN 5m OF BANK TOP (L)	S	U	A	H	T	H	G	G	H	H
Bank-top (structure within 1m)	U	U	U	U	U	U	U	U	U	U
Left bank face (structure)	U	U	U	U	U	U	U	U	U	U
Right bank face (structure)	U	U	U	U	U	U	U	U	U	U
Bank-top (structure within 1m)	S	S	S	S	S	S	S	S	S	S
Use within 5m of bank top (R)	U	U	U	U	U	U	U	U	U	U

**PLANT GENERA - Use Grid 5**

lytichia										
brad-leaved herbs										
Emerg. emergent/floaters	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
g-leaved (round)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
emerging	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
biens										
Submerged broad-leaved										
g-leaved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
status algae	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**RIGHT BANK SURVEY - VEGETATION**

USE WITHIN 5m OF BANK TOP (R)	S	U	A	H	T	H	G	G	H	H
Bank-top (structure within 1m)	U	U	U	U	U	U	U	U	U	U
Right bank face (structure)	U	U	U	U	U	U	U	U	U	U
Bank-top (structure within 1m)	S	S	S	S	S	S	S	S	S	S
Use within 5m of bank top (L)	U	U	U	U	U	U	U	U	U	U

**PLANT GENERA - Use Grid 5**

lytichia										
brad-leaved herbs										
Emerg. emergent/floaters	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
g-leaved (round)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
emerging	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
biens										
Submerged broad-leaved										
g-leaved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
status algae	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**VEGETATION DIMENSIONS AND INFLUENCES**

Banktop width (m)	<i>11.0</i>	Banktop height (m)	<i>1.6</i>
Water width (m)	<i>9.0</i>	Water depth (m)	<i>NK</i>

If waterline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION FEATURES**

None  Number of Culverts =  Weirs =  Outfalls =  Fords =   
 Footbridges =  Bankbridges =  Other =

Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**VEGETATION SURVEY**

None  Developing  Moving  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**VEGETATION INFLUENCES**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bankside channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foa  Flush

Is 33% or more of the channel choked with vegetation? No  Yes

**VEGETATION INFLUENCES**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle, Rhododendron bractea

**VEGETATION INFLUENCES**

Major impacts: bankfill - clipping - silt - sewage - pollution - drought - siltation - soil - sun - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other = \_\_\_\_\_

Land Management: set aside - buffer strip - woodland - abandoned land - (state) - MoD - other = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud mussel - heron - dragonfly/damselfly

Other significant observations: *water has a greenish tinge due to algae*

Alders? None  Present  Extensive  Diomed Alders? None  Present  Extensive

**WATER QUALITY SURVEY INFORMATION**

Altitude (m) Slope (m/Lm) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?   
 Height of source (m) Water Quality Class

**DESIGNATED SURVEY DETAILS**

Reference network site number: 6308  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: THE SWICE  
 Date: 7/16/1996 Time: 2:42 Surveyor name: JUNIOR Accreditation code: PELT

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**GENERAL DOMINANT VALLEY FORM**

shallow vee  concave/round (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**DESCRIPTION OF RIFLES, POOLS, AND POINT BARS**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOEZ, WARREN, BR10 6BB

**SITE NO. 6308**

	L	R		L	R
Bank/limited woodland (BL)	<input checked="" type="checkbox"/>		rough pasture (RP)		
Coniferous plantation (CP)			improved/semi improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Orchard (OR)			filled land (FL)		
Meadow/rough (MR)			Wetland (eg bog, marsh, fen) (WL)		<input checked="" type="checkbox"/>
Scrub (SC)			Open water (OW)		<input checked="" type="checkbox"/>
Tall herb/ reed vegetation (TR)			Suburban/urban development (SU)		

**MATERIAL/SEDIMENT**

	L	R	Artificial/modified	L	R
Vertical/erosion	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical - toe			Reinforced - whole bank		
Deep (> 45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Paired		
			Embedded		
			Set back continuous		

**TREES (tick one box per bank)**

	Left	Right		Present	E (%)
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Present	E (%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Channel(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapids(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bed(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): No perceptible flow

**TALLY (see 2.1) for - Rifles Pools Slowing side bars Veg point bars**

Spot check 1 is: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pools	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Land use: choose one from AL, CP, OR, MR, SC, TR, SU, FL, OW, WL, RP

**LAND USE WITHIN 5m OF BANKTOP (L)**

	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 5m)	U	U	S	U	U	U	U	U	U	S
LEFT BANK FACE (structure)	U	U	S	U	U	S	U	U	U	U
RIGHT BANK FACE (structure)	S	U	U	S	S	U	S	U	U	U
RIGHT BANK-TOP (structure within 5m)	S	S	U	S	S	U	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	U	U	U	U	U	U	U	U	U	U

**NON-PLANT GENERA - for Gen 5**

Bryophytes/lichens										
Emergent broad leaved herbs										
Emergent mesophytes/submersives	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Flowering leaved (rooted)										
Free-flowering										
Amphibious										
Submerged broad leaved										
Submerged fine leaved										
Flowering of etc										

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<u>6.0</u>	RIGHT BANK	Banktop height (m)	<u>0.2</u>
Banktop height (m)	<u>0.2</u>	Water width (m)	<u>6.0</u>	Banktop height (m)	<u>0.2</u>
Embedded height (m)		Water depth (m)	<u>NK</u>	Embedded height (m)	

If waterline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_  
 Bed material is site is: smoothed (suspension)  unsmoothed (bed)  unknown

Location of measurement is: riffle  run or glide  weir  (tick one box)

**CHANNEL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Falls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, < 1% of site  > 1% of site

**RECORD OF CHANNEL MAINTENANCE**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? State \_\_\_\_\_

**OTHER CHANNEL FEATURES**

None  Artificial open water  Bog  Other (note) \_\_\_\_\_  
 Bricks/side channels  Natural open water  Curt   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fm  Flank

**PERCENT EXTENSION**

> 1% or more of the channel choked with vegetation? NO  YES

**OTHER CHANNEL FEATURES**

None  Giant Hogweed  Kalmeyra Baines  Invasive Knotweed  Other (name) \_\_\_\_\_ (understand structure)

**MAJOR IMPACTS**

bankfill - drying - litter - sewage - pollution - drainage - obstruction - wall - other - road - rail - delivery -  
 housing - mining - quarrying - overtopping - information - fisheries management - other? = \_\_\_\_\_  
 Land Management: on-site buffer strip - bankland - abandoned land - portland - MoD - other? = \_\_\_\_\_

Animals: none - seal - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonfly/blackflies

Other significant observations: \_\_\_\_\_

Abhors? None  Present  Extensive  Damaged Abhors? None  Present  Extensive





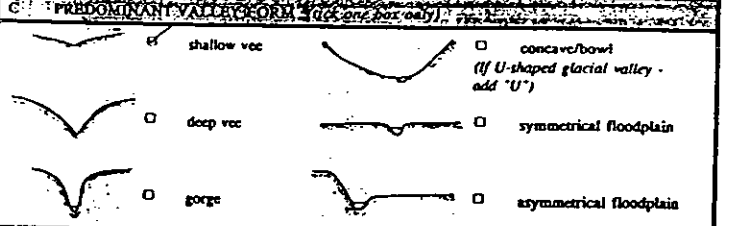


Background map based information:  
 Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

Reference network site number: 6318  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 470114 River: Mangok Dyke  
 Date 18.6.1996 Time: 10.45 Surveyor name: J. H. B. S. Accreditation code: PF36

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bod of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:  
 NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box only):

Riffles 2 Uevegetated point bars 0  
 Pools 0 Vegetated point bars 1

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, B170 6BB

	L	R		L	R
Broadleaf/mixed - woodland (BL)			Rough pasture (RP)		
Coniferous plantations (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tiled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓	E	Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)	E	

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Reactions		
Vertical + toe	✓	✓	Reinforced - whole bank		
Slopy (>45°)	✓	✓	Reinforced - top only		
Grade	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Punched		
			Embedded		
			Set-back embankments		

TREES (tick one box per bank)		ASSOCIATED FEATURES (tick one box per feature)		
None	Left <input type="checkbox"/> Right <input type="checkbox"/>	Shading of channel	None <input type="checkbox"/>	Percent E (> 33%) <input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	Carries woody debris	<input type="checkbox"/>	<input type="checkbox"/>

Waterfall(s)	None <input type="checkbox"/> Present E <input type="checkbox"/>	Marginal deadwater	None <input type="checkbox"/> Present E (> 33%) <input type="checkbox"/>
Overbank(s)	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Rapids(s)	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Riffles(s)	<input type="checkbox"/>	Uevegetated mid-channel bar(s)	<input type="checkbox"/>
Bars(s)	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>
Bow(s)	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Oxbow(s)	<input type="checkbox"/>	Uevegetated side bar(s)	<input type="checkbox"/>
Point(s)	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): GLIDE

LY (see IFE) for - Riffles / Pools / Uevegetated features / Veg point bars /

Spot check 1 in: upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Bank modification(s)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel substrate	SI	CO	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	IR	/	/	/	/	/	/	/	/	/
Flow type	SM	RP	NP	SM	NP	RP	NP	SM	NP	NP
Bank modification(s)	RS	RS	RS	RS	RS	RS	NO	NO	NO	NO
Bank feature(s)	TR	TR	TR	TR	TR	TR	TR	TR	TR	NO
Channel substrate	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Land use: choose one from BL, CP, OR, MH, SC, TH, IG, TL, OW, SU

LA USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SC	SU	IG	IG	IG	IG
LE ANK-TOP (structure within 1m) BANC	C	C	C	C	C	C	S	S	C	C
LEFT BANK FACE (structure) BANC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BANC	S	S	C	S	S	S	S	S	S	S
RA BANK-TOP (structure within 1m) BANC	S	S	C	S	S	S	S	S	S	S
LA USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	SC	IG	IG	IG	IG

NONE / PLANT GENERA - list first 5

Bray	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Em	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

CHANNEL DIMENSIONS (to nearest 0.1m unless stated otherwise)

LEFT BANK	Banktop width (m)	5.5	RIGHT BANK		
Banktop height (m)	1.1	Water width (m)	3.0	Banktop height (m)	1.2
Embankment height (m)		Water depth (m)	0.05	Embankment height (m)	

If embankment lower than banktop break in slope, indicate: height (m) = width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Banktop

Location of measurement is: riffle  run or glide  other  (tick one box)

VEGETATION FEATURES

None  Number of Obstructions = 0 Weirs = 0 Fourbridges = 1 Rombridges = 0 Outside = 2 Pools = 0  
 In water impounded by weirs? No  Yes, < 33% of site  > 33% of site

MANAGEMENT FEATURES

None  Dredging  Moving  Weed-cutting   
 Embankment  Other? Stone

QUALITIES OF WATER CURRENT

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Broad/side channels  Natural open water  Catt   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

MAJOR IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - building - mining - quarrying - overtopping - afforestation - fisheries management - other? \_\_\_\_\_

Land Management: set-backs - buffer strip - headland - abandoned land - partition - MoD - other? \_\_\_\_\_

Animals: water - mist - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: A lot of trash in stream - tyres, cans, bottles, rubbish. Stream looks pretty disgusting but there are quite a lot of small fish in it.

Alfons? None  Present  Extensive  Diamond Alfons? None  Present  Extensive

### 1996 RIVER HABITAT SURVEY WITH THE MODIFIED POINT VEGETATION AND VELOCITY METHODS

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6320  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: 62177 River: WENT  
 Date: 18/6/1996 Time: 9:45 Surveyor name: lanthan Accreditation code: PF36

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. DOMINANT VALLEY FORM** (tick one box only)

shallow vee  concave/bowl (if U-shaped glacial valley, add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. CHANNEL FORM AND VEGETATION STRUCTURE**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARRERAM, 3510 688

### 1996 RIVER HABITAT SURVEY WITH THE MODIFIED POINT VEGETATION AND VELOCITY METHODS

**TALLY (see list) for: Riffles**

Point	Veget. side bars										Veg point bars									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	EN	EN	EN	EN	EN	EN	EN	EN	EN	EN	EN	EN	EN	EN	EN	EN	EN	EN	EN	EN
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Flow type	NP	NP	SM	NP	NP	NP	NP	NP	NP	NP	NP	NP	SM	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**E. CHANNEL VEGETATION AND VEGETATION STRUCTURE**

Land use: choose one from RL, CL, DL, NL, IC, TL, RP, RS, FL, WL, OR, SU

LAND USE WITHIN 5m of BANK TOP (L)	1G	1Q	1G	1G	1G	1G	1G	1G	1G
LEFT BANK TOP (structure within 1m) SUVIC	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) SUVIC	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) SUVIC	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) SUVIC	S	S	S	S	S	S	U	S	S
LAND USE WITHIN 5m of BANK TOP (R)	1G	1G	1G	1G	1G	1G	TH	TL	TL

**F. CHANNEL VEGETATION**

NONE  PLANT GENERA - list Gen 5

Genus	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedge/rushes			/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved	/	/	/	/	/	/	/	/	/	/
Filamentous algae										

Site No: 6320

	L	R	L	R
Broad-leaved woodland (BL)				
Coniferous plantation (CP)				
Orchard (OR)				
Moorland/heath (MH)				
Scrub (SC)				
Tall herbs / mast vegetation (TF)				
Natural/unmodified				
Vertical/undercut				
Vertical + toe				
Steep (>45°)				
Cracks				
Composite				

**TREES (tick one box per bank)**

	None	Present E	Percent E (% 1/5)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Isolated/contoured	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	
Occasional change	<input type="checkbox"/>	<input type="checkbox"/>	
Local concentration	<input type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Present E	Percent E (% 1/5)
Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

	None	Present E	Percent E (% 1/5)
Marginal dead-water	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Indicate predominant flow sequence (select up to three features): N.P.F.

### 1996 RIVER HABITAT SURVEY WITH THE MODIFIED POINT VEGETATION AND VELOCITY METHODS

**G. CHANNEL DIMENSIONS**

	LEFT BANK	RIGHT BANK
Banktop width (m)	10.0	
Banktop height (m)	1.5	1.2
Embankment height (m)	0.5	
Water width (m)	7.5	
Water depth (m)	NY	

If embankment lower than banktop level to slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is:  unconsolidated (except)  consolidated (stone)  Chalkstone

Location of measurement is: riffle  run or glide  other  (tick one box)

**H. CHANNEL VEGETATION**

None  Number of Channels = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**I. CHANNEL VEGETATION**

None  Dredging  Moving  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**J. CHANNEL VEGETATION**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Natural open water  Carr   
 Water meadow  Marsh   
 Foam  Flurb

Is 33% or more of the channel choked with vegetation? NO  YES

**K. CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick) *Rhododendron tomentosum*

**L. CHANNEL VEGETATION**

Major vegetation types: NY

Land Management:  set-backs  buffer strip  bankland  abandoned land  parkland  MeD  other? = \_\_\_\_\_

Animals:  otter  mink  water vole  kingfisher  dipper  grey wagtail  sand martin  heron  dragonfly/damselfly

Other significant observations: \_\_\_\_\_

**M. CHANNEL VEGETATION**

Abund? None  Present  Extensive  Dominant Abund? None  Present  Extensive

**BACKGROUND INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Plainform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

Reference network site number: **6321** **\*PARTLY DRY\***

Mid-site grid reference of network site (if different from designated location): \_\_\_\_\_

Grid Reference: River: **OLD RIVER DOW**

Date: **13.6.1996** Time: **1.30 pm** Surveyor name: **lan thorn** Accreditation code: **P.F.16**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**DOMINANT VALLEY FORMS**

shallow vee  concave/bowl  
 deep vee  symmetrical floodplain  
 asymmetrical floodplain

Terraced valley floor? No  Yes  | FB - VALLEY FORM NOTES:

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 H. DAWSON, ITC, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6SS

**CHANNEL DIMENSIONS SURVEY DATA SHEET**

FAIRLY (see 3.10) for - Riffles \_\_\_\_\_ Points \_\_\_\_\_ Unveg. side bars \_\_\_\_\_ Veg point bars \_\_\_\_\_

Spot check 1 is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
Material (W, G, S, CL, GR, SL, PL, SP, SD, ST, SV, SW, SY, SZ)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M, H, J, K, L, P, R, S, V, W, X, Y, Z)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (F, G, I, O, Q, U, V, W, X, Y, Z)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Schematic shape (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20)	/	/	/	/	/	/	/	/	/	/
Flow type (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20)	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) (M, H, J, K, L, P, R, S, V, W, X, Y, Z)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) (F, G, I, O, Q, U, V, W, X, Y, Z)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material (W, G, S, CL, GR, SL, PL, SP, SD, ST, SV, SW, SY, SZ)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M, H, J, K, L, P, R, S, V, W, X, Y, Z)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (F, G, I, O, Q, U, V, W, X, Y, Z)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Land use: choose one from B, C, D, H, I, K, L, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

**LAND USE WITHIN 5m OF BANKTOP (L)**

LEFT BANK TOP (structure within 1m) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	S	U	U	U	U	U	S	S	S	S
RIGHT BANK FACE (structure) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	U	U	U	S	U	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	U	U	U	U	U	U	U	U	U	U

**LAND USE WITHIN 5m OF BANK TOP (R)**

	T	T	T	T	T	T	T	T	T	T
--	---	---	---	---	---	---	---	---	---	---

**PLANT GENERA - list first 5**

NONE	/	/	/	/	/	/	/	/	/	/
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Firm-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

ITP NO. **6321**

	L	R		L	R
moorland/wetland woodland (ML)			Rough pasture (RP)		
coloured plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
rub (RQ)			Open water (OW)		
B herbs' rank vegetation (TV)			Suburban/urban development (SU)		

**Natural/unmodified**

	L	R	Artificial/modified	L	R
ribs/wadecut			Reinforced	E	E
ribs + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
apocrite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**TREES (tick one box per bank)**

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None <input checked="" type="checkbox"/> Present <input type="checkbox"/> (2.11%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Pollen trees	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>

**Waterfalls (s)**

	None	Present	Percentage
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0
Cascades(s)	<input type="checkbox"/>	<input type="checkbox"/>	0
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	0
Riffles(s)	<input type="checkbox"/>	<input type="checkbox"/>	0
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	0
Box(s)	<input type="checkbox"/>	<input type="checkbox"/>	0
Glides(s)	<input type="checkbox"/>	<input type="checkbox"/>	0
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	0

etc predominant flow sequence (select up to three features): **N.P.F./DRY**

**CHANNEL DIMENSIONS SURVEY DATA SHEET**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	3.5	RIGHT BANK	
Banktop height (m)	Water width (m)	0.45	Banktop height (m)	1.5
Embanked height (m)	Water depth (m)	0.04	Embanked height (m)	

If gradient lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at the site: consolidated (compact)  unconsolidated (loose)  bankdown

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURAL FEATURES**

None  Number of Culverts = 3 Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**OPERATIONAL MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? Stone

**FEATURES OF SPECIAL INTEREST**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Loxly debris  Pea  Flush

**EXTENDED CHANNEL (see 2.10)**

Is 33% or more of the channel choked with vegetation? NO  YES

**WATERBODIES**

None  Glass Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  Nerita Rhododendron bractea

**MAJOR IMPACTS**

bankfill - drying - litter - silt - storage - pollution - drought - abstraction - mill - dam - road - rail - industry -  
 housing - quarrying - overcropping - afforestation - fisheries management - siting - other? = \_\_\_\_\_

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MeD - other? = \_\_\_\_\_

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - seed martin - heron - dragonflies/damselflies

Other significant observations: **Small ditch, water v. reeds, stagnate in some places & absent from S.C.S 9x10 (ie. might be possible if only m.d. recently)**

Alters? None  Present  Extensive  Disused Alters? None  Present  Extensive

**BACKGROUND MATERIAL INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

Reference network site number: **6322**

Mid-site grid reference of network site (if different from designated location):

Grid Reference: **89106** River: **THREE RIVERS**

Date: **13.5.1996** Time: **12 pm** Surveyor name: **Laithwaite** Accreditation code: **PF36**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**CHANNEL CHARACTERISTICS**

shallow voc  concave/bowl  
 deep voc  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

**AND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB**

**TALLY (see key) for Riffles**

Uveg side bars VEG side bars

Spot check 1 uveg side bars <input type="checkbox"/> down stream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material (W, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (W, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape (FL, OF, EL, SF, CU, PO, BL, Other)	/	/	/	/	/	/	/	/	/	/
Flow type (F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material (W, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE WITHIN 5m OF BANKTOP (L)**

TL	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) BANK	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BANK	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BANK	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BANK	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC

**PLANT GENERA - list first 5**

None  Bryophytes/lichens   
 Emergent broad-leaved herbs   
 Emergent reeds/sedges/rushes   
 Floating-leaved (rooted)   
 Free-floating   
 Amphibious   
 Submerged broad-leaved   
 Submerged finch-leaved   
 Miscellaneous algae

**VEGETATION AND ASSOCIATED FEATURES**

Broad/ripped woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		E	Open water (OW)		
Tall herbs' reed vegetation (TH)			Education/urban development (ED)		

**Natural/unmodified**

Vertical/undisturbed			Recessed		E	E
Vertical + toe			Reinforced - whole bank			
Slope (> 45°)			Reinforced - top only			
Gentle			Reinforced - toe only			
Composite			Artificial two-stage			
			Postbed			
			Embarked			E
			Set-back embankments			

**TREES (tick one box per bank)**

None	Left <input checked="" type="checkbox"/>	Right <input type="checkbox"/>	Shading of channel	None <input checked="" type="checkbox"/>	Present E (% JJ%) <input type="checkbox"/>
Isolated/exposed	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clump	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scrub continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present E (% JJ%) <input type="checkbox"/>
Marginal deadwater	None <input type="checkbox"/> Present E (% JJ%) <input checked="" type="checkbox"/>
Exposed bedrock	<input checked="" type="checkbox"/> <input type="checkbox"/>
Exposed boulders	<input checked="" type="checkbox"/> <input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
Mature island(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
Unvegetated side bar(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>

**WATERFALLS**

Waterfall(s)	None <input type="checkbox"/> Present E (% JJ%) <input checked="" type="checkbox"/>
Concave(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
Bar(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
Chute(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/> <input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **N.P.F.**

**CHANNEL DIMENSIONS AND CHARACTERISTICS**

LEFT BANK	Banktop width (m)	20.0	RIGHT BANK		
Banktop height (m)	1.0	Water width (m)	15.0	Banktop height (m)	1.0
Embanked height (m)	1.0	Water depth (m)	1.5	Embanked height (m)	

If trutline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (concrete)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION FEATURES**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**VEGETATION MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? State:

**VEGETATION OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Brushed/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**EXPOSED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION OF SPECIAL INTEREST**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**MAJOR IMPACTS**

hottel - flying - litter - sewage - pollution - drought - abstraction - spill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - silting - other? =

**LEAD MANAGEMENT**

cut - aside - buffer strip - banked - abandoned land - parkland - MoD - other? =

**ANIMALS**

water - bank - water vole - kingfisher - dipper - grey wagtail - sand martin - brown argemone/dandelion

**OTHER SIGNIFICANT OBSERVATIONS**

One of 5 large parallel channels - strip between channels not used except by anglers

**ADDITIONAL INFORMATION**

Added? None  Present  Extensive  Discussed Added? None  Present  Extensive



### 1996 RIVER HABITAT SURVEY (with IFE module for plant genera and fencing) - Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary?  Yes  No \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

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**B. FIELD SURVEY DATA**

Reference network site number: **6323**  
 Mid-site grid reference of network site (if different from designated location): \_\_\_\_\_

Grid Reference: **972U70** River: **New River Archdale**  
 Date: **12.10.1996** Time: **8.50** Surveyor name: **Lain Harris** Accreditation code: **FFS**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**DOMINANT VALLEY FORM (tick one box only)**

shallow vee  cocoon/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**USE NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box)**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and exposure claims TO  
 N. H. DAWSON, IFE, LIVER LABORATORY, EAST STAKE, WARRIAM, EH20 6BB

TS NO. **(31)**

**1. CHANNEL DIMENSIONS AND VEGETATION**

	L	R	L	R
wood/mixed woodland (W)			Rough pasture (RP)	
unimproved pasture (UP)			improved/semi-improved grass (IG)	
Orchard (OR)			Tilled land (TL)	E E
woodland/heath (WH)			Wetland (eg bog, marsh, fen) (WL)	
reeds (R)			Open water (OW)	
herbs/mast vegetation (H)			Subsidence/urban development (SU)	

**2. CHANNEL VEGETATION**

	L	R	Artificial/modified	L	R
reed/woodland			Recessed	E	E
vertical + low			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
side			Reinforced - toe only		E
spoils			Artificial two-stage		
			Poached		
			Embanked	E	E
			Set back construction		

**3. TREES (tick one box per bank)**

	Left	Right	None	Percent E (±15%)
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Local clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**4. ASSOCIATED FEATURES (tick one box per feature)**

	None	Percent E (±15%)
Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Column woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**5. CHANNEL VEGETATION (tick one box per bank)**

	None	Percent E
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overbank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rap(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sliff(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

cate predominant flow sequence (select up to three features): **NO PERCEPTIBLE**

### 1996 RIVER HABITAT SURVEY (with IFE module for plant genera and fencing) - Page 2 of 4

**2. CHANNEL VEGETATION AND VEGETATION STRUCTURE**

Land use: choose one from **TL, UF, OR, MX, SC, TN, RP, CL, FL, WL, OW, SU**

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK TOP (structure within 1m) MUSC	S	S	S	U	U	S	U	S	U
LEFT BANK FACE (structure) MUSC	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) MUSC	S	S	C	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) MUSC	S	S	S	U	U	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL

**3. PLANT GENERA - list first 5**

PLANT GENERA	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emergent broad-leaved herbs	/	/	/	/	/	/	/	/	/	/
Emergent reed/rod/grass/herb	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged leaf/linear-leaved										
Filamentous algae										

### 1996 RIVER HABITAT SURVEY (with IFE module for plant genera and fencing) - Page 3 of 4

**4. CHANNEL DIMENSIONS AND VEGETATION**

LEFT BANK	Banktop width (m)	35.0	RIGHT BANK
Banktop height (m)	0.5	Water width (m)	27.0
Embankment height (m)	1.5	Water depth (m)	2.2

If bankline lower than banktop break in slope, indicate height (m) =  $-(400/m) =$  \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**5. CHANNEL VEGETATION**

None  Member of  Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Ponds = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**6. CHANNEL VEGETATION**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**7. CHANNEL VEGETATION**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bricks/side channel  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pile  Flats

**8. CHANNEL VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

**9. CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  Nettle Rhododendron bracken

Major impacts: landfill - tipping - litter - sewage - pollution - drought - channel - mill - dam - road - rail - industry -  
 burning - mining - quarrying - overcropping - afforestation - fisheries management - silt - other? = \_\_\_\_\_

Land Management:  buffer strip - landfill - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals:  otter - mink - water vole - kingfisher - dipper - grey heron - mallard - heron - dragonfly/damselfly

Other significant observations: \_\_\_\_\_

**10. CHANNEL VEGETATION**

Alters? None  Present  Significant  Discharged Alters? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Dnft geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. SURVEY DETAILS**

Reference network site number: 6324  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 002132 River: LAND DRAIN  
 Date: 12.6.1996 Time: 10.00 AM Surveyor name: Luathorn Accreditation code: PF36

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. DOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - odd "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 2

TALLY (use IFE) for Rifles Pools Uveg side bars Veg point bars

**HISTORICAL ATTRIBUTES (to be ticked across channel within 5m wide transect) (IFE only)**

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material <u>EA EA EA EA EA EA EA EA EA EA</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NE NO RS RI PC BN EN</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s) <u>W NO EC SC PB VP BI VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate? <u>WV BV RO CO GP SL S CL PEAR</u>	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape <u>FLO FL BFCU PO BL Other - note</u>	/	/	/	/	/	/	/	/	/	/
Flow type? <u>FF CH FN VP CF RP UP SH NP JO</u>	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) <u>NE NO CV RS RI DA DO</u>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) <u>W NO RO NR VE BI TR</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK (TICK if functional)**

Material <u>EA EA EA EA EA EA EA EA EA EA</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NE NO RS RI PC BN EN</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s) <u>W NO EC SC PB VP BI VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**E. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, RG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	SU	TH	TH	TH	TH
LEFT BANK TOP (structure within 1m) <u>BUISC</u>	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) <u>BUISC</u>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) <u>BUISC</u>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) <u>BUISC</u>	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TH	TL	TL	TL	TL

**F. CHANNEL VEGETATION**

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)	/	/	/	/	/	/	/	/	/	/
Free-floating										
Amphibious	/	/	/	/	/	/	/	/	/	/
Submerged broad-leaved										
Submerg float/leaved										
Filamentous algae	/	/	/	/	/	/	/	/	/	/

SITE NO. 6324

**LAND USE WITHIN 50m OF BANKTOP (L & R)**

Broadleaved woodland (BL)	<input checked="" type="checkbox"/>	Rough pasture (RP)	
Coniferous plantation (CP)		Improved/scal-improved grass (IG)	
Orchard (OR)		Tilled land (TL)	<input checked="" type="checkbox"/>
Moorland/heath (MH)		Wetland (eg bog, marsh, fen) (WL)	
Scrub (SC)		Open water (OW)	
Tall herbs/ reed-vegetation (TE)	<input checked="" type="checkbox"/>	Suburban/urban development (SU)	<input checked="" type="checkbox"/>

**NATURAL/MODIFIED**

Natural/unmodified	<input checked="" type="checkbox"/>	Artificial/modified	<input type="checkbox"/>
Vertical/vertical	<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>
Slope (>43°)	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>
		Poached	<input checked="" type="checkbox"/>
		Embanked	<input checked="" type="checkbox"/>
		Set-back embankments	<input checked="" type="checkbox"/>

**TREES (tick one box per bank)**

None	<input checked="" type="checkbox"/>	Left	<input checked="" type="checkbox"/>	Right	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>				
Regularly spaced, single	<input type="checkbox"/>				
Occasional clumps	<input type="checkbox"/>				
Semi-continuous	<input type="checkbox"/>				
Continuous	<input type="checkbox"/>				

**ASSOCIATED FEATURES (tick one box per feature)**

Shading of channel	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Percent S (≥ 11%)	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>				
Exposed bankside roots	<input checked="" type="checkbox"/>				
Underwater tree roots	<input checked="" type="checkbox"/>				
Fallen trees	<input checked="" type="checkbox"/>				
Coarse woody debris	<input checked="" type="checkbox"/>				

**WATERFALLS AND ASSOCIATED FEATURES**

Waterfall(s)	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Percent S (≥ 11%)	<input type="checkbox"/>
Overbank(s)	<input checked="" type="checkbox"/>	Marginal dam/weir	<input type="checkbox"/>		
Rapid(s)	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>		
Riffle(s)	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>		
Race(s)	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>		
Boil(s)	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>		
Slide(s)	<input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>		
Pool(s)	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>		
		Vegetated side bar(s)	<input checked="" type="checkbox"/>		

Indicate predominant flow sequence (select up to three features): NO PERCEPTIBLE FLOW

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 3 of 3

**CHANNEL DIMENSIONS (to be measured along a 10m wide transect, preferably perpendicular to flow)**

LEFT BANK	Banktop width (m)	<u>10.0</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>4.75</u>	Banktop height (m)	
Embanked height (m)	Water depth (m)	<u>1.75</u>	Embanked height (m)	<u>2.0</u>

If transect lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width(m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION FEATURES (to be measured along a 10m wide transect)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roundbridges = 1 Other = ZI PRAIRIE CROSSING  
 In water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**MANAGEMENT OF CHANNELS**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State \_\_\_\_\_

**CHARACTER OF CHANNEL VEGETATION**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHANNEL CHOKING**

Is 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION SPECIES**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**MAJOR IMPACTS**

landfill - tipping - litter - sewage - pollution - drought - abstraction - spill - dam - road - rail - industry -  
 bombing - mining - quarrying - overtopping - afforestation - fisheries management - clipping - other? = \_\_\_\_\_

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: \_\_\_\_\_

**ALTERS**

Alters? None  Present  Extensive  Diseased Alters? None  Present  Extensive

### BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Orth geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

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### FIELD SURVEY DETAILS

Reference network site number: 6325 \*SEMI-DRY\*

Mid-site grid reference of network site (if differs from designated location):

Grid Reference: 146126 River: EAST HALTON BECK  
 Date: 11/6/1996 Time: 4:45 PM Surveyor name: Jan. Hearn Accreditation code: PF36

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

### PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffls  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

### PHYSICAL ATTRIBUTES

TALLY (see ITR) for - Riffls Pools Uverage side bars Veg point bars

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material (M) ALAO CO CL EA PL CL CL CP WP CA ML SL SP	GA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M) NO RS RS PL CM IN	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (M) NO NO EL SC PL VP SB VI	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (M) NO EL SL CP SA SL CL PL AS	NV	NV	NV	GP	DRY	GP	GP	GP	GP	GP
Substrate shape (L) OF EL SL CP PL CL Ohms - mm	/	/	/	NA	DRY	NA	NA	NA	NA	NA
Flow type (M) NO NP NP NP NP NP NP NP NP NP NP	NP	NP	NP	NP	NO	NP	NP	NP	NP	NP
Channel width function(s) (M) NO NO RS RS RS RS RS RS RS RS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (M) NO NO NO NO NO NO NO NO NO NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### RIGHT BANK (structure within 1m)

Material (M) ALAO CO CL EA PL CL CL CP WP CA ML SL SP	1	2	3	4	5	6	7	8	9	10
Bank modification(s) (M) NO RS RS PL CM IN	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (M) NO NO EL SC PL VP SB VI	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### LEFT BANK (structure within 1m)

Material (M) ALAO CO CL EA PL CL CL CP WP CA ML SL SP	1	2	3	4	5	6	7	8	9	10
Bank modification(s) (M) NO RS RS PL CM IN	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (M) NO NO EL SC PL VP SB VI	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### LAND USE WITHIN 5m OF BANK TOP (L)

Land use: choose one from RL, CL, DR, NR, SC, TH, CP, NL, PL, OR, SU	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) (M) NO SC	S	S	S	S	S	S	C	G	S	S
LEFT BANK FACE (structure) (M) NO SC	S	S	S	S	S	S	S	S	U	S
RIGHT BANK FACE (structure) (M) NO SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) (M) NO SC	S	S	S	S	S	S	S	S	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

### PLANT SPECIES

NONE / PLANT GENERA - list first 5

Species	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg broad-leaved herbs	E	E	E	/		E	E	/	E	E
Emerg reed/bulrushes				/						
Floating leaved (rooted)				E	H	E	E	/	E	E
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg float/linear-leaved										
Filamentous algae										

ITS NO. 6325

Vegetation	L	R	Vegetation	L	R
woodland/modified woodland (2L)			Rough pasture (R)		
Coniferous plantation (C)			Improved/semi-improved grass (G)		
Orchard (OR)			Tilled land (TL)	E	E
lowland/heath (MH)			Wetland (eg bog, marsh, fen) (W)		
moor (M)			Open water (OW)		
all herbs' reed vegetation (H)			Suburban/urban development (SU)		

Vegetation	L	R	Artificial/modified	L	R
woodland/modified			Recessed	E	E
vertical + low			Reinforced - whole bank		
steep (>45)			Reinforced - top only		
side			Reinforced - toe only		
specific			Artificial two-stage		
			Pouched		
			Embanked		
			Set back embankment		

### TREES (tick one box per bank)

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent $\geq 33\%$
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging branches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flood trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Waterfall(s)	None	Percent $\geq 33\%$	Marginal deadwater	None	Percent $\geq 33\%$
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): NO PERCEPTIBLE FLOW

### MEASUREMENTS AND DIMENSIONS

LEFT BANK	Banktop width (m)	4.5	RIGHT BANK
Banktop height (m)	2.0	Water width (m)	0.8
Embankment height (m)		Water depth (m)	0.02
Embankment height (m)		Embankment height (m)	1.75

If width lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: coarse/bedrock (coarse)  unconsolidated (fine)  boulders

Location of measurement is: riffle  run or glide  other  (tick one box)

### MANAGEMENT PRACTICES

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Ponds = \_\_\_\_\_  
 Roadbridges = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

### MANAGEMENT PRACTICES

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

### CHARACTERISTICS OF CHANNELS

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Curr   
 Debris dams  Water occlusion  Marsh   
 Leafy debris  Pits  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

None  Giant Hogweed  (Hemlock Salween  Japanese Knotweed  Other? *Nettle Rhododendron bractea*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Lead Management: set-back - buffer strip - headland - abandoned lead - partial - MoD - other? = \_\_\_\_\_

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: MINIMAL AMOUNT OF WATER IN CHANNEL DRY AT S.C. 5 & OTHER PARTS (NOT SPECIFIC)

Advers? None  Present  Extensive  Disposed Advers? None  Present  Extensive

**990 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES**

Site No. **6326**

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation?  **NO**  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: **6326**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: **DOWNHOLLAND CREEK**  
 Date: **3/6/1996** Time: **11:02** Surveyor name: **DUNNAN** Accreditation code: **PF 27**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM**

shallow vcc  concave/bowl   
 (If U-shaped glacial valley - add "U")  
 deep vcc  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF POINTS AND ASSOCIATED FEATURES**

Riffles: **4** Unvegetated point bars: **0**  
 Pools: **0** Vegetated point bars: **0**

SEND COMPLETED FORMS WEEKLY. Mail all water samples and expense claims TO: P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

**990 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES**

Site No. **6326**

**E. CHANNEL DIMENSIONS AND ASSOCIATED FEATURES**

	L	R		L	R
Broad/unlined - weeded (BL)			Rough pasture (RP)		
Combed plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Walled (eg bog, marsh, loag) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)	E	E	Suburban/urban development (SU)	V	V

**F. ASSOCIATED FEATURES AND ASSOCIATED FEATURES**

	L	R	Artificial modified	L	R
Natural/unmodified			Reinforced	E	E
Vertical/wooden	E	E	Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Slope (> 4:1)			Reinforced - toe only		
Grade			Artificial two-stage		
Composite			Poached		
			Embanked		
			Set back embankment		

**TREES (tick one box per bank)**

	None	Left	Right		None	Present	E (2:11%)
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scrub/contaminant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Present	E (2:11%)
Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Waterfall(s)  None  Present  E  Marginal deadwater  None  Present  E (2:11%)  
 Cascade(s)    Exposed bedrock     
 Rapids(s)    Exposed boulders     
 Riffle(s)    Unvegetated mid-channel bar(s)     
 Bank(s)    Vegetated mid-channel bar(s)     
 Bank(s)    Mature island(s)     
 Old(s)    Unvegetated side bar(s)     
 Pool(s)    Vegetated side bar(s)

Indicate predominant flow sequence (select up to three features): **S1** **S2** **S3**

**990 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES**

Site No. **6326**

**G. BANKTOP DIMENSIONS AND VEGETATION**

Spot check 1: in upstream  downstream

	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RI	RI	RI	RI	RI	RI	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**H. BANKTOP DIMENSIONS AND VEGETATION**

Land use: choose one from BL, CP, OR, MH, SC, TH, RW, TL, RL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK TOP (structure within 1m) BAUC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BAUC	U	U	U	U	U	U	B	B	B	B
RIGHT BANK FACE (structure) BAUC	U	S	S	S	S	S	B	B	B	B
RIGHT BANK TOP (structure within 1m) BAUC		B	B	S	S	S	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH

**I. PLANT COMMUNITY**

NONE	/	PLANT GENERA - list first 5								
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg meadow/grasses										
Floating leaves (rooted)										
Free-floating										
Amphibians										
Submerged broad-leaved										
Submerged grass/linear-leaved										
Macrophyte algae										

**990 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES**

Site No. **6326**

**J. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<b>3</b>	RIGHT BANK	Banktop width (m)	<b>1.5</b>
Banktop height (m)	<b>1.5</b>	Water width (m)	<b>1.30</b>	Banktop height (m)	<b>1.5</b>
Embanked height (m)	<b>0.05</b>	Water depth (m)	<b>0.05</b>	Embanked height (m)	<b>0.05</b>

If trapezium lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width(m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**K. CHANNEL VEGETATION**

None  Number of Cutovers = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weirs? No  Yes  < 33% of site  > 33% of site

**L. RESIDUES OF PEST MANAGEMENT**

None  Dropping  Mowing  Wood-chipping   
 Enhancement  Other? State: \_\_\_\_\_

**M. CHANNEL VEGETATION**

None  Artificial open water  Bag  Other (state) \_\_\_\_\_  
 Brinded/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Lanky debris  Foss  Flack

Is 33% or more of the channel choked with vegetation? NO  YES

**N. CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other (tick one box)  Rhododendron bracken

**O. CHANNEL VEGETATION**

Major impacts: bed(s) - slipping - litter - silt - stones - drought - waterlogging - soil - dam - weed - weed - debris -  
 lining - cutting - quarrying - ponding - afforestation - fisheries management - other? = \_\_\_\_\_

Land Management: set aside - buffer strip - woodland - abandoned land - parkland - field - other? = **Agri. Hill**

Animals: otter - mink - water vole - kingfisher - dippers - grey heron - sand martin - heron - dragonfly/damselfly

Other significant observations: \_\_\_\_\_

Address: Name  Present  Extinctive  Drowned Address? Name  Present  Extinctive

**6327 RIVER HABITAT SURVEY**

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? **NO**  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number: **6327**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: **ELLER BROOK**  
 Date: **3/10/1996** Time: **8:52** Surveyor name: **DUNCAN** Accreditation code: **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 (If single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM** (tick one box only)

shallow vee  concave/bowl (If U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  **UFB - VALLEY FORM NOTES:**

**NUMBERS OF RIFLES, POOLS AND POINT BARS**

Rifles **23** Unvegetated point bars **6**  
 Pools **1** Vegetated point bars **2**

Survey COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO P. B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARRIAM, BN20 6SB

**6327 RIVER HABITAT SURVEY**

**CHANNEL DIMENSIONS AND CHARACTERISTICS**

	L	R		L	R
Broads/Unimproved woodland (BU)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/warm improved grass (IG)		
Orchard (OR)			Turfed land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Oycs water (OW)		
Tall herb/ wet vegetation (TH)			Suburban/urban development (SU)		

**Natural/semi-natural** L R Artificial/modified L R

Vertical/horizontal   E E Reinforced

Vertical + soc  Reinforced - whole bank

Slope (> 45°)   Reinforced - top only

Grade  Reinforced - toe only

Concrete  Artificial two-stage

Pounded

Embanked

Set back embankments

**TREES** (tick one box per bank) **ASSOCIATED FEATURES** (tick one box per feature)

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None	<input type="checkbox"/>	Present	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Waterfall(s)** None  Present  **Marginal deadwater** None  Present  (≥ 33%)

**Cracks(s)**    **Exposed bedrock**

**Rapids(s)**    **Exposed boulders**

**Rifles(s)**    **Unvegetated mid channel bar(s)**

**Bars(s)**    **Vegetated mid channel bar(s)**

**Point(s)**    **Mature island(s)**

**Choke(s)**    **Unvegetated side bar(s)**

**Pool(s)**    **Vegetated side bar(s)**

Indicate predominant flow sequence (select up to three features): **P116 - P166**

**6327 RIVER HABITAT SURVEY**

**CHANNEL DIMENSIONS AND CHARACTERISTICS**

of check 1 is: vegetation  downstream

	1	2	3	4	5	6	7	8	9	10
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	SC	SC	EC	NO	NO	SC	PB

**Channel substrate** SA SA TO TO CO TO RP TO RP SA

**Sediment shape** NA NA JR IR IR IR IR IR IR NA

**Bank modification(s)** NO NO NO NO NO NO NO NO NO NO NO

**Channel feature(s)** NO RO NO NO NO NO NO NO NO NO NO

**RIGHT BANK** (tick if functional)

Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	SC	SC	SC	SC	SC	SC	SC

**BANKTOP LAND USE AND VEGETATION STRUCTURE**

Use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m)	S	S	C	S	S	U	U	S	S	S
RIGHT BANK-TOP (structure within 1m)	B	U	B	U	U	B	U	S	S	U
IT BANK-FACE (structure)	B	U	U	U	U	S	U	U	U	U
IT BANK-TOP (structure within 1m)	S	S	C	S	S	C	U	S	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

**PLANT GENERA** - list first 5

Plant genera	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad leaved herbs										
Reeds/bamboo/grasses										
eg leaved (reeds)										
Scrub										
Amphibious										
Emerg broad leaved										
eg Saururus leaved										
reeds/grasses	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**6327 RIVER HABITAT SURVEY**

**CHANNEL DIMENSIONS AND CHARACTERISTICS**

LEFT BANK	Banktop width (m)	3.10	RIGHT BANK	Banktop width (m)	3.10
Banktop height (m)	0.5	Water width (m)	5.10	Banktop height (m)	0.3
Embanked height (m)	X	Water depth (m)	0.04	Embanked height (m)	X

If trashes lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chalkstone

Location of encroachment is: riffle  run or glide  other  (tick one box)

**MANUAL FEATURES**

None  Number of: Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_

Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**REPAIRS OR BANK MANAGEMENT**

None  Dredging  Moving  Wood cutting   
 Enhancement  Other? State: \_\_\_\_\_

**OPERATIONS OF THE AUTHORITY**

None  Artificial open water  Ring  Other (state) \_\_\_\_\_  
 Bridled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pile  Flush

**PERCENT COVER**

Is 33% or more of the channel choked with vegetation? NO  YES

**CHARACTERISTICS OF THE CHANNEL**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick Rhododendron/buckthorn)

**MAJOR IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - mining - quarrying - overgrazing - afforestation - habitat management - filling - other \_\_\_\_\_

Land Management: set-backs - buffer strip - boundary - abandoned land - parkland - MoD - other = **Woolley**

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: **Woolley**

Alters? None  Present  Extensive  Discharged Alters? None  Present  Extensive



**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Soil geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation? **NO**  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: **6328**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **UN-NAMED**  
 Date: **3/6/1996** Time: **16:44** Surveyor name: **Purcell** Accreditation code: **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**GENERAL VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley - odd 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**DISCONTINUOUS POINT BARS**

Riffles **3** Unvegetated point bars   
 Pools **0** Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F. R. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRNAM, 3200 688

**SITE NO. 6328**

	L	R		L	R
Broadleaf/mix of woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)	<input type="checkbox"/>	<input type="checkbox"/>
Coniferous plantation (CP)	<input type="checkbox"/>	<input type="checkbox"/>	Improved/semi-improved grass (IG)	<input type="checkbox"/>	<input type="checkbox"/>
Orchard (OR)	<input type="checkbox"/>	<input type="checkbox"/>	Tilled land (TL)	<input type="checkbox"/>	<input type="checkbox"/>
Moorland/heath (MH)	<input type="checkbox"/>	<input type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input type="checkbox"/>	<input type="checkbox"/>
Scrub (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Open water (OW)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tall herbs / reed vegetation (TH)	<input type="checkbox"/>	<input type="checkbox"/>	Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Material/modified bed	L	R	Artificial/modified	L	R
Vertical/wooden	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed	<input type="checkbox"/>	<input type="checkbox"/>
Vertical + toe	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - whole bed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Steep (>45°)	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Gravel	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
Composite	<input type="checkbox"/>	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
			Poached	<input type="checkbox"/>	<input type="checkbox"/>
			Embanked	<input type="checkbox"/>	<input type="checkbox"/>
			Soil bank embankments	<input type="checkbox"/>	<input type="checkbox"/>

**TREES (tick one box per bank)**

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None	Present E (2.5%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (2.5%)
Overhead(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rac(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Obd(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

**TALLY (see DR) for - Riffles | Pools | Unveg. side bars | Veg point bars**

Spot check 1 in: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	---	----

**LEFT BANK**

Material	EA	EA	CC	ED	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	RI	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK**

Material	SA	UP	NV	NV	SA	NV	SA	SA	SA	SA
Bank modification(s)	NO	NO	RI	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL CHARACTERISTICS**

Channel substrate	SA	UP	NV	NV	SA	NV	SA	SA	SA	SA
Substrate shape	FL	OV	SL	CU	PO	DR	Other	None	None	None
Flow type	RP	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	KS	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	TR	NO	NO	NO	NO	NO	NO	TR	NO	NO

**LAND USE WITHIN 5m OF BANKTOP (L)**

	BL	BL	SU	BL	BL	TH	TH	TH	TH	TH
LEFT BANK-TOP (structure within 1m)	S	S	B	U	S	S	S	S	S	S
LEFT BANK FACE (structure)	U	S	B	U	B	U	S	U	S	S
RIGHT BANK FACE (structure)	U	U	B	B	B	S	S	U	S	S
RIGHT BANK-TOP (structure within 1m)	U	U	B	U	S	C	S	U	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	SU	BL	BL	GL	SC	BL	TH	SC

**PLANT GENERA - Est. Grid 5**

None										
Bryophytes/lichens										
Ferns broad-leaved herbs										
Grass reeds/melgrass/rushes										
Flowering-leaved (moss)										
Tree-ferns										
Angiosperms										
Submerged broad-leaved										
Submerged fine-leaved										
Macrophyte algae										

**MINIMUM DIMENSIONS**

LEFT BANK	Banktop width (m)	7.0	RIGHT BANK	Banktop width (m)	7.0
Banktop height (m)	1.0	Water width (m)	6.5	Banktop height (m)	0.95
Embankment height (m)		Water depth (m)	0.25	Embankment height (m)	

If banktop lower than banktop break in slope, indicate height (m) = / width (m) = /

Bed material at site is: consolidated (compact)  unconsolidated (loose)

Location of measurement is: riffle  rap or glide  other  (tick one box)

**CHANNEL CHARACTERISTICS**

None  Number of Obverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Footbridges = 1 Bankbridges = 0 Other = 0  
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**CHANNEL DEFORMATION**

None  Dredging  Moving  Wood-cutting   
 Embankment  Other? State \_\_\_\_\_

**CHANNEL OBSTRUCTIONS**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fan  Fleck

**VEGETATION**

Is 5% or more of the channel choked with vegetation? No  Yes

**CHANNEL MANAGEMENT**

None  Great Hoopwood  Himalayan Balsam  Japanese Knotweed  Other? (Name)  (Location)

**VEGETATION CHARACTERISTICS**

Major impacts: landfill - clipping - litter - sewage pollution - drought - siltation - mill - dam - road - rail - industry - housing - mining - quarrying - windblowing - afforestation - fabric management - silting - other? = \_\_\_\_\_

Land Management: set aside - buffer strip - biofield - abandoned land (parkland) (M&D) - other? = (M&D)

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: (state) \_\_\_\_\_

Abandon? None  Present  Extensive  Discussed Abandon? None  Present  Extensive



1996 RIVER HABITAT SURVEY WITH IFE MODS FOR PLANT GENERA AND GENUS (Page 1 of 4)

**BACKGROUND MAP-BASED INFORMATION:**

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary?	Navigation?
Height of source (m)	Water Quality Class	

**FIELD SURVEY DETAILS:**

Reference network site number: 6333 **\*DRY\***

Mid-site grid reference of network site if different from designated location: SEENAEKEND

Grid Reference: River: **Muddy Brook**

Date: 9.6.1996 Time: ..... Surveyor name: **Joe Harris** Accreditation code: **PF36**

Adverse conditions affecting survey? No  Yes  If yes, state: **STREAM IS DRY**

Bed of river visible? N/A No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
(duplicate will be made by scanning)  
and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORMS (tick one box only):**

<input type="checkbox"/> shallow vee	<input checked="" type="checkbox"/> concave/bowl (if U-shaped glacial valley - add 'U')
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No  Yes  | IFE - VALLEY FORM NOTES:

**NUMBERS OF FEATURES (TICK ONE BOX PER FEATURE):**

Riffles <input checked="" type="checkbox"/>	Unvegetated point bars <input checked="" type="checkbox"/>
Pools <input checked="" type="checkbox"/>	Vegetated point bars <input checked="" type="checkbox"/>

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
F.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY WITH IFE MODS FOR PLANT GENERA AND GENUS (Page 2 of 4)

**SITE NO.:**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)	E	E	Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/next vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reconciled		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)		E E	Reinforced - top only		
Gentle		E E	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

**TREES (tick one box per bank):**

None	Left <input checked="" type="checkbox"/>	Right <input checked="" type="checkbox"/>	ASSOCIATED FEATURES (tick one box per feature)	None <input type="checkbox"/>	Percent E (≥ 33%) <input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Waterfall(s)	None <input checked="" type="checkbox"/>	Present E <input type="checkbox"/>	Marginal deadwater	None <input checked="" type="checkbox"/>	Percent E (≥ 33%) <input type="checkbox"/>
Chock(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **DRY - NO FLOW**

1996 RIVER HABITAT SURVEY WITH IFE MODS FOR PLANT GENERA AND GENUS (Page 3 of 4)

**TALLY (see 2B) for:** Riffles Pools Unveg. side bars Veg point bars

check 1 is: upstream  downstream

Material	W BL CO GL GR L CL GP W CL BR LW	PE	→																	
Bank modification(s)	NE NO AS LR FC M EN	NO	→																	
Bank feature(s)	W NO EC SC RP VP SV VS	NO	→																	

**Channel substrate:** W BL NO CO GP SA LR CL PEAR

SA	SA	CO	SA	CO	CO	CO	SA	CO	CO
IR	IR	IR	IR	IR	IR	IR	IR	IR	IR

**Bank modification(s):** NE NO AS LR FC M EN

NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
----	----	----	----	----	----	----	----	----	----

**Channel feature(s):** W NO EC SC RP VP SV VS

NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
----	----	----	----	----	----	----	----	----	----

**Bank modification(s):** NE NO AS LR FC M EN

NO	→								
----	---	--	--	--	--	--	--	--	--

**Bank feature(s):** W NO EC SC RP VP SV VS

NO	→								
----	---	--	--	--	--	--	--	--	--

**LAND USE WITHIN 5m OF BANKTOP (L)**

MH	→																			
----	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**LEFT BANK-TOP (structure within 1m) BWSIC**

S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**LEFT BANK FACE (structure) BWSIC**

B	B	B	B	B	B	U	U	S	U	U	U	U	U	U	U	U	U	U	U	U
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**RIGHT BANK-TOP (structure within 1m) BWSIC**

S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**LAND USE WITHIN 5m OF BANK TOP (R)**

MH	→																			
----	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**PLANT GENERA - list first 5**

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**Emerg broad-leaved herbs**

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**Emerg narrow-leaved herbs**

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**Emerg sedge**

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

1996 RIVER HABITAT SURVEY WITH IFE MODS FOR PLANT GENERA AND GENUS (Page 4 of 4)

**CHANNEL DIMENSIONS (to nearest 0.1m) (measurements taken on a straight section of channel)**

LEFT BANK	Banktop width (m)	4.2	RIGHT BANK	
Banktop height (m)	1.9	Water width (m)	N/A	Banktop height (m)
Embanked height (m)		Water depth (m)	N/A	Embanked height (m)

If bankline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown  N/A

Location of measurement is: riffle  run or glide  other  (tick one box) N/A

**IS WATER IMPOUNDED BY WEIR/STAKE?**

None  Number of Outfalls = Footbridges = Weirs = Rambridges = Other =

Is water impounded by weir/stake? No  Yes, <33% of site  >33% of site  N/A (NO)

**IS THERE ANY BANK EROSION?**

None  Dragging  Moving  Weed-cutting   
Subsidence  Other? State

**QUALITIES OF WATER (tick one box per feature)**

None <input checked="" type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
Waterfalls > 5m high <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	
Braked/side channels <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	

**IS 33% OR MORE OF THE CHANNEL CHOKED WITH VEGETATION?** NO  YES  N/A (NO)

**IS THERE ANY BANK EROSION?**

None  Giant Hogweed  Hemsbyne Balsam  Japanese Knotweed  Other? Nettle Rhododendron bractea

**Major impacts:** bankfill - tipping - litter - storage - pollution - drought - abstraction - spill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - silting - other? =

**Land Management:** set-aside - buffer strip - broadland - abandoned land - parkland - M&D - other? =

**Animals:** otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

**Other significant observations:** Stream totally dry - survey fairly pointless. (All streams in the area also totally dry). A few detritus filled in bits but it was difficult to tell where the stream flowed as some points the spot checks suggest to some interpretation. Obviously at some times there is a lot of water here, unfortunately not now!

**Alters?** None  Present  Extensive  Damaged Alters? None  Present  Extensive

\* Stream 'improved' in places & this bankside would depend greatly on depth of water & the bank it took - which also appeared to be quite damaged

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing. Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6334  
 Mid-site grid reference of network site if different from designated location.

Grid Reference: River: Crow Edge Beak  
 Date: 17.1.1996 Time: 09:40 Surveyor name: HO Accreditation code: PF7

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl  
 (If U-shaped glacial valley, add 'U')

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 10 Unvegetated point bars \_\_\_\_\_  
 Pools 0 Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (see list) for Riffles 10 Pools \_\_\_\_\_ Unveg side bars \_\_\_\_\_ Veg point bars \_\_\_\_\_

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 in upstream  downstream

LEFT BANK	TICK if functional fence	1	2	3	4	5	6	7	8	9	10
Material		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL** - NEW  EXISTING  (tick one box)  
 Channel substrate: SV CO CO GP GP GP GP GP GP GP GP GP

Substrate shape: FL OV FL OV FL OV FL OV FL OV FL OV

Flow type: FT CH SM SM UV SM UV UV SM UV SM UV

Channel modification(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK** TICK if functional fence

Material		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, HH, SC, TH, RP, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)		RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) BUVSC		S	U	U	U	U	U	S	S	U	U
LEFT BANK FACE (structure) BUVSC		U	U	U	U	U	U	S	S	U	U
RIGHT BANK FACE (structure) BUVSC		U	U	U	U	U	U	S	S	U	U
RIGHT BANK-TOP (structure within 1m) BUVSC		U	U	U	U	U	U	S	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)		S	U	U	U	U	U	S	S	U	U

**G CHANNEL VEGETATION TYPES (10m wide transect: E (2-3% area) or tick (presence) 500m reach only)**

NONE / PLANT GENERA - list first 5		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/lichens											
Emerg broad-leaved herbs											
Emerg reeds/sedges/rushes											<input checked="" type="checkbox"/>
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine/linear-leaved											
Filamentous algae											

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be measured at one site on a straight section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	<u>1.30</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>1.25</u>	Banktop height (m)	<u>0.6m</u>
Embanked height (m)	Water depth (m)	<u>0.10</u>	Embanked height (m)	

If embankment lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES (tick one box)**

None  Number of Outfalls = 1 Weirs = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Moving  Wood-cutting  P. bank  
 Enhancement  Other? REVISIONS upstream, replanting

**F FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Big  Other (state) \_\_\_\_\_  
 Bridges/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fcn  Flush

**F. CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**G. NOTABLE NUISANCE PLANT SPECIES (tick one box) (2-3% bank/edge) - IFE note: LARGE STANDS of others ok**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**H. KEY CHANNEL CHARACTERISTICS (Circle appropriate words, add others as necessary)**

Major impacts: leaf-fall - tipping - litter - sewage effluent - drought - abstraction - mill - dam - road - rail - industry -  
 housing - mining - quarrying - overtopping - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-back - buffer strip - broadland - abandoned land - parkland - MoD other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: new riparian forest - trees planted - bank BL at mouth - trees only 3ft high - poor water quality / suspended solid bp?

**I. ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

SITE NO. 6334 1996 RIVER HABITAT SURVEY: 500m SWEEP SURVEY Page 3 of 4

**LAND USE WITHIN 20m OF BANKTOP (tick one box per banktop) (see list on page 2)**

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		<input checked="" type="checkbox"/>
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' and vegetation (TH)			Suburban/urban development (SU)		<input checked="" type="checkbox"/>

**CHANNEL VEGETATION TYPES (tick one box per bank)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessional	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Slope (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Grate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial one-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Poached	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Sci-tech embankment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**J. PREVALENT TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2-3%)
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging branches	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**K. CHANNEL FEATURES (tick one box per feature)**

Waterfall(s)	None	Present E	Marginal dead water	None	Present E (2-3%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features): riffles / glide

1996 RIVER HABITAT SURVEY with IPB mods for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6336  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Deerne  
 Date: 12.15.1996 Time: 11.15 Surveyor name: HO Accreditation code: PF7  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS: (indicate total number)**

Riffles \_\_\_\_\_ Unvegetated point bars \_\_\_\_\_  
 Pools 1 Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use IFE) for: Riffles Pools Unveg side bars Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only**

Spot check 1 is: upstream <input type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if functional fence										
Material <u>WV, BV, BO, CO, CS, EA, FE, CL, CC, SP, NP, GA, BR, RR, BW</u>	EA	EA	EA	EA	BR	CC	CC	BR	CC	BR
Bank modification(s) <u>NE, NO, RS, RI, PC, BM, DM</u>	RS	EM	EM	EM	RI	RI	RI	RI	RI	RI
Bank feature(s) <u>WV, NO, EC, SC, PB, VP, SB, VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL VEGETATION</b> (tick one box only) <u>None, emergent, submerged, floating-leaved, rooted, free-floating, amphibious, submersed broad-leaved, filamentous algae</u>										
Channel substrate <u>WV, BV, BO, CO, CP, SP, SA, SL, CL, PL, AR</u>	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape <u>F, OY, EL, SP, CU, PO, IR, DM, M, MM</u>										
Flow type <u>FF, CH, SW, UV, CF, RP, UP, SM, NP, NO</u>	SM	SM	NP	SM	SM	SM	RP	RP	SM	RP
Channel modification(s) <u>NE, NO, CV, AI, BI, DA, FO</u>	NO	NO	NO	NO	NO	RS	RS	RS	RS	RS
Channel feature(s) <u>WV, NO, BO, RB, VB, ML, TR</u>	NO	NO	N	NO	NO	TR	TR	TR	TR	TR
<b>RIGHT BANK</b> TICK if functional fence										
Material <u>WV, BV, BO, CO, CS, EA, FE, CL, CC, SP, NP, GA, BR, RR, BW</u>	EA	EA	EA	EA	EA	EA	CC	BR	BR	CC
Bank modification(s) <u>NE, NO, RS, RI, PC, BM, DM</u>	NO	NO	NO	EM	EM	NO	RI	RI	RI	RI
Bank feature(s) <u>WV, NO, EC, SC, PB, VP, SB, VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, KS, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	SC	SC	SC	SU	BL	SU
LEFT BANK TOP (structure within 1m) <u>BAUSIC</u>	S	C	C	C	C	C	S	S	C	S
LEFT BANK FACE (structure) <u>BAUSIC</u>	S	S	S	S	S	B	B	B	B	B
RIGHT BANK FACE (structure) <u>BAUSIC</u>	S	S	S	S	S	B	B	B	B	B
RIGHT BANK TOP (structure within 1m) <u>BAUSIC</u>	C	C	C	C	C	U	U	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	SU	SU	SU	SC	SU

**G. CHANNEL VEGETATION TYPES (10m wide transect: E (2-33% area) or tick 'General' 50cm wide transect)**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens <u>NRD</u>										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submersed broad-leaved										
Submersed flag/linear-leaved										
Filamentous algae										

SITE NO. 6336 1996 RIVER HABITAT SURVEY: 500m SWEEP-UP Page 3 of 4

**A. LAND USE WITHIN 50m OF BANKTOP: Use E (2-33% banklength) or F (if present)**

	L	R		L	R
Broadleaf/mixed woodland (BL)					
Coniferous plantation (CP)					
Orchard (OR)					
Moorland/heath (MH)					
Scrub (SC)					
Tall herbs/ reed vegetation (TH)					
Natural/unmodified			Artificial/modified		
Vertical/wooded			Reseeded		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**B. PRESENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2-33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (2-33%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Glide/run

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**A. CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	<u>4m</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>10.5m</u>	Banktop height (m)	<u>1.7m</u>
Embanked height (m)	Water depth (m)	<u>?</u>	Embanked height (m)	<u>2.9m</u>

If trapezium lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**B. CHANNEL VEGETATION**

None  Number of Culverts = \_\_\_\_\_ Weirs 1 Outfalls 1 Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges 1 Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**C. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State \_\_\_\_\_

**D. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Broad/ride channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**E. CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**F. NOTABLE NUISANCE PLANT SPECIES Use E (2-33% banklength) IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron bracken

**G. GENERAL CHARACTERISTICS (tick appropriate water/soil/other features)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - other? \_\_\_\_\_

Land Management: set-aside - buffer strip - broadland - abandoned land - parkland - MoD - other? = recreational ponds / urban

Animals: otter - mink - water vole - langfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Lower half contained by industry in dry channel. Upper 1/2 artificial grass under the main bank. moderate veg. Substrate of river appears to be silt.

**H. ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

**BACKGROUND (AT-BASED) INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/Lm) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**REFERENCE NETWORK SITE DETAILS**

Reference network site number: 6338  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: S03004 River: Deane  
 Date: 18/6/1996 Time: 12:20 pm Surveyor name: Katharine Accreditation code: PF36

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. DOMINANT VALLEY FORMS**

shallow vee  concave/bowl (If U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARWICK, CV35 9EF

**TALLY (see B5) for - Riffles**

Spot check 1 is: upstream <input type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	/	/	/	/	/	/	/	/	/	/
Flow type	NP	NP	SM	SM	NP	SM	NP	SM	SM	NP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Land use: Choose one from EL, CF, OR, NL, SC, TH, AF, PL, FL, VE, OW, SI

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	TH	TH	TH	TH	TH	TH
LEFT BANK-TOP (distance within 1m)	SC	C	C	C	S	S	S	C	S	S
LEFT BANK FACE (structure)	SC	C	C	C	S	S	S	C	S	S
RIGHT BANK FACE (structure)	SC	C	C	C	S	S	S	C	S	S
RIGHT BANK-TOP (distance within 1m)	SC	C	C	C	S	S	S	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	TH	SC	SC	SC	SC

**PLANT COMMUNITY**

None  PLANT GENERA - list first 5

Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

SITE NO. 6338

**VEGETATION**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OA)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	E	E	Open water (OW)		
Tall herbs - mud vegetation (TH)	E		Suburban/urban development (SU)		

**NATURAL/UNMODIFIED**

	L	R	Artificial/modified	L	R
Vertical/erosion			Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Patched		
			Embankment		
			Set-back embankment		

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>33%)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATERBODIES**

Waterfall(s)	None	Present E	Margin of dead-water	None	Present E (>33%)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): GLIDE

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	18.0	RIGHT BANK
Banktop height (m)	1.25	Water width (m)	16.0
Embankment height (m)		Water depth (m)	NV
		Banktop height (m)	1.25

If eroding lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL MODIFICATIONS**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_  
 Foodbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**CHANNEL OPERATIONS**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**CHANNEL OBSTRUCTIONS**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brakes/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fec  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick)  Rhododendron bracken

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - quarrying - overtopping - afforestation - fisheries management - siting - other? = \_\_\_\_\_

Land Management: set-back - buffer strip - bankland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: river runs between large coal spoil heaps on both banks - possible blocking to river. Also nearby is power line. A short access - large by post - to open water flows in. Bankside has very attractive willow where willow has been planted.

Alders? None  Present  Extensive  Overcast Alders? None  Present  Extensive

**BACKGROUND INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

Reference network site number: **6341**

Mid-site grid reference of network site if different from designated location:

Grid Reference: **B27002** River:

Date: **13/6/1996** Time: **10:30** Surveyor name: **Kirstin Harris** Accreditation code: **PF36**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**CHANNEL DIMENSIONS**

shallow vee  concave/bowl (If U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 asymmetrical floodplain

Terraced valley floor? No  Yes  (IFB - VALLEY FORM NOTES:

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

DO NOT COMPLETE FORMS WEEKLY plus all water samples and expenses claims TO  
 DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**CHANNEL DIMENSIONS**

TABLE 1 (see PDF) for riffles

Spot check 1 is upstream <input type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material $W_{10}, M_{30}, D_{50}, P_{85}, C_{100}$	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank formed(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	/	/	/	/	/	/	/	/	/	/
Flow type	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel formed(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material $W_{10}, M_{30}, D_{50}, P_{85}, C_{100}$	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank formed(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Land use: choose one from SL, CL, CR, HR, SC, TR, RF, RL, PL, OW, PU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK TOP (structure within 1m) BASIC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BASIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BASIC	C	S	S	S	S	C	S	S	S	S
RIGHT BANK TOP (structure within 1m) BASIC	C	S	S	S	S	C	S	S	S	C
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

**VEGETATION**

MONS / PLANT GENERA - list Gen S

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg mesotidal/mudflat										
Floating leaf-wet (round)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged frondose-leaved										
Submerged algae										

IFE NO. **6341**

oak/birch woodland (OL)			Rough pasture (RP)		
oak/platan (OP)			Improved/well-improved grass (IG)		
Oakland (OR)			Tilled land (TL)		E
Moorland/heath (MR)			Wetland (eg bog, marsh, fen) (WL)		
sh (SC)			Open water (OW)		
herbs/semi-vegetation (TR)	E		Substrate/terrace development (SU)		

**ARTIFICIAL FEATURES**

Scal/woodcut			Reinforced		E	E
Scal + toe			Reinforced - whole bank			
Slope (>45°)			Reinforced - top only			
poole			Reinforced - toe only			
			Artificial two-stage			
			Poached			
			Embanked		E	E
			Set-back embankments			

**TREES (tick one box per bank)**

Name	Left	Right
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Shading of channel	<input type="checkbox"/>	Present <input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	Present <input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	Present <input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	Present <input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	Present <input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	Present <input type="checkbox"/>

**WATERBODIES**

Name	None	Present <input type="checkbox"/>
Marginal downwater	<input type="checkbox"/>	Present <input type="checkbox"/>
Exposed bedrock	<input checked="" type="checkbox"/>	Present <input type="checkbox"/>
Exposed boulders	<input checked="" type="checkbox"/>	Present <input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	Present <input type="checkbox"/>
Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	Present <input type="checkbox"/>
Mature island(s)	<input checked="" type="checkbox"/>	Present <input type="checkbox"/>
Unvegetated side bar(s)	<input checked="" type="checkbox"/>	Present <input type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>	Present <input type="checkbox"/>

to predominant flow sequence (select up to three features): **N.P.F.**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	8.0	RIGHT BANK	
Banktop height (m)	Water width (m)	6.0	Banktop height (m)	1.2
Embanked height (m)	Water depth (m)	0.4	Embanked height (m)	2.0

If gradient lower than banktop break in slope, indicate: height (m) = 1.2 width (m) = 8.0 ...

Bed material at site is: consolidated (concrete)  unconsolidated (stone)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES**

Name  Number of Culverts = Weirs = Outfalls = Ponds =  
 Pilebridges =  
 Is water impeded by weirs/dams? No  Yes, <33% of site  >33% of site

**VEGETATION**

Name  Dredging  Moving  Wood cutting   
 Enhancement  Other? State:

**VEGETATION OF BANKS**

Name  Artificial open water  Bog  Other (state) ...  
 Braked/side channels  Natural open water  Carr   
 Oxbow ditches  Water meadow  Marsh   
 Larkly debris  Fen  Fluit

Is 33% or more of the channel choked with vegetation? NO  YES

**WOODS**

Name  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron bracteatum

**MAJOR IMPACTS** (tick all that apply): dredging, silt, sewage, pollution, drought/subsidence, mill, dam, road, rail, industry, housing, mining, quarrying, overgrazing, afforestation, fisheries management, siting, other =

**LAND MANAGEMENT**: set aside, buffer strip, headland, abandoned land, pasture, MoD, other =

**ANIMALS**: otter, eel, water vole, kingfisher, dipper, grey wagtail, mud martin (tick) Argyrotaenia/Aspilota

Other significant observations:

Address? None  Present  Extensive  Disused Address? None  Present  Extensive

**WATER QUALITY SURVEY INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/Lm) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Mainform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

Reference network site number: **6342**

Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: **920054** River: \_\_\_\_\_  
 Date: **13/6/1996** Time: **9 am** Surveyor name: **Janet Davis** Accreditation code: **7F36**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**CROSS SECTION**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 terrace  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

**AND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOEVE, WAREHAM, BH20 6BB**

**WATER QUALITY SURVEY INFORMATION**

Flow direction:  Downstream  Upstream

Spot check 1 is upstream  downstream

Material	1	2	3	4	5	6	7	8	9	10
EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
EC	EC	NO	NO	NO	NO	NO	NO	NO	NO	NO

Channel substrate: **SI** **SI** **SI** **SI** **SI** **SI** **SI** **SI** **SI** **SI**

Substrate shape: **FL** **OL** **DL** **CU** **PO** **R** **DR** **DR** **DR** **DR** **DR**

Plan type: **NP** **SM** **SM** **NP** **SM** **NP** **SM** **NP** **SM** **NP** **SM**

Channel modification(s): **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO**

Channel feature(s): **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO**

Material: **EA** **EA** **EA** **EA** **EA** **EA** **EA** **EA** **EA** **EA** **EA**

Bank modification(s): **RS** **RS** **RS** **RS** **RS** **RS** **RS** **RS** **RS** **RS** **RS**

Bank feature(s): **EC** **EC** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO** **NO**

Land use: choose one from **BL** **OL** **ML** **SC** **TR** **RP** **AG** **FL** **ML** **OP** **BU**

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	SU	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) BASIC	S	B	S	S	C	S	S	S	S	S
LEFT BANK FACE (structure) BASIC	B	B	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BASIC	B	B	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BASIC	B	S	C	C	C	C	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	SU	SU	SU	SU	SU	SU	SU	SU

**NON-PLANT GENERA - list first 5**

Bryophytes/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent broad-leaved herbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent narrow-leaved herbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flowering broad-leaved (non-aq)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flowering narrow-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-flowering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged fan-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submersed algae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

STP NO. **6342**

	L	R		L	R
Broadleaved woodland (BL)		E	Rough pasture (RP)		E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Overland (OL)			Tilled land (TL)		✓
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Suburban/urban development (SU)	✓	E

**NATURAL/UNMODIFIED**

	L	R		L	R
Vertical/wooded	✓	✓	Reinforced		E
Vertical + tree			Reinforced - whole bank	✓	✓
Slump (> 45°)			Reinforced - top only		
Gratic			Reinforced - toe only		
Cosmetic			Artificial two-stage		
			Penched		
			Embanked		✓
			Set-back embankments		

**TREES (tick one box per bank)**

	None	Left	Right
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Percent 5 (≥ 11%)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging branches	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Covered woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATERBARS**

	None	Percent 5 (≥ 11%)
Marginal ditch/bank	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **N.P.F - SLIDE**

**WATER QUALITY SURVEY INFORMATION**

**CHANNEL DIMENSIONS** (to be filled in by the surveyor)

LEFT BANK	Banktop width (m)	3.5	RIGHT BANK
Banktop height (m)	2.0	Water width (m)	1.0
Embanked height (m)		Water depth (m)	0.03
		Embanked height (m)	1.5

If traffic lower than banktop break in slope, indicate height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material of site is:  consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURAL FEATURES**

None  Number of Culverts = 0 Weirs = \_\_\_\_\_ Details = \_\_\_\_\_ Piers = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**TYPE OF CHANNEL**

None  Dredging  Moving  Wood cutting   
 Enhancement  Other? State: **RESECTIONING BOTH BANKS**

**CHARACTERISTICS OF CHANNEL**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Striped/into channels  Natural open water  Can   
 Debris dams  Water cascades  Marsh   
 Lotic debris  Pile  Flush

**FLOW CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**OTHER SIGNIFICANT OBSERVATIONS**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other: **Mistle Thrush/Cherry Tree**

Major impacts: landfill - tipping - litter - sewage - pesticides - herbicides - abstraction - effluent - dam - road - rail - industry - quarrying - dredging - quarrying - encroachment - afforestation - habitat management - other? **RESECTIONING**

Land Management: set-back - buffer strip - banked - abandoned land - parkland - M60 - other? \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - road marten - heron - grebe/duck/mallard

Other significant observations: **NOON on downstream end recently excavated by digger - 1st steel, crumbly clipped bank - bank very messy - trees in thin section pushed back away from stream exposing water bank face - this was lastly after 2nd cut**

Alters? None  Present  Extensive  Discussed Alters? None  Present  Extensive



**WATER QUALITY SURVEY DATA SHEET**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

Reference network site number: **6343**

Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: **Q10058** River: **OLD KNEELANDHOLME**

Date: **12.16.1996** Time: **11.00am** Surveyor name: **Jan Hutton** Accreditation code: **PF36**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**DOMINANT VALLEY FORMS**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')

deep vee  symmetrical floodplain

symmetrical floodplain

Termed valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

Riffles  Unvegetated point bars

Pools  Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 DAWSON, IFE, RIVER LABORATORY, EAST STOCK, WAREHAM, BH20 6BB

**WATER QUALITY SURVEY DATA SHEET**

TALLY (see 211) for - Riffles \_\_\_\_\_ Pools \_\_\_\_\_ Unveg. side bars \_\_\_\_\_ Veg. point bars \_\_\_\_\_

Spine check 1 is vegetation  downstream

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank form(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Substrate shape	FL	OV	EL	SP	CU	PO	DR	Other	---	---	---
Flow type	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel width/depth(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel form(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank form(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Land use: choose one from BL, CL, CR, DR, ER, FR, GR, HR, IR, JR, KR, LR, MR, NR, OR, PR, QR, RR, SR, TR, UR, VR, WR, XR, YR, ZR

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) BWSIC	S	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BWSIC	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BWSIC	C	C	C	C	C	C	C	C	C	C	C
RIGHT BANK-TOP (structure within 1m) BWSIC	C	C	C	C	C	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

**MONS / PLANT GENERA - list first 5**

Bryophytes/lichens											
Emergent broad-leaved herb											
Floating reeds/waterweeds											
Floating leaf-weed (rooted)	E	E									
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine-leaved											
Macrophyte algae	E	E	E	E	E	E	E	E	E	E	E

BNQ: **6343**

Disturbed woodland (DL)			Rough pasture (RP)		
Former plantation (FP)			Improved/semi-improved grass (IG)		
Wet (EW)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Wash (W)			Open water (OW)		
Barren/rock vegetation (BV)			Suburban/urban development (SU)		

Material/wooded bed	L	R	Artificial/modified	L	R
alluvial forest	L	L	Recreational		E
sl + ss (>45%)			Reinforced - whole bank		
Gravel			Reinforced - top only		
scree			Reinforced - toe only		
			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankment		

**TRESS (tick one box per bank)**

None	<input checked="" type="checkbox"/>	Left	Right	None	Present E (≥ 11%)
Localized/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Shading of channel	<input type="checkbox"/>	None	Present E (≥ 11%)
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flood trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Marsh island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Waterfall(s)** None  Present E  Present B

**Channel(s)** None  Present E  Present B

**Rapid(s)** None  Present E  Present B

**Riffle(s)** None  Present E  Present B

**Run(s)** None  Present E  Present B

**Pool(s)** None  Present E  Present B

**Obide(s)** None  Present E  Present B

**Pool(s)** None  Present E  Present B

c predominant flow sequence (select up to three features): **NO PERCEPTIBLE**

**WATER QUALITY SURVEY DATA SHEET**

**CHANNEL DIMENSIONS (m)**

LEFT BANK	Banktop width (m)	9.0	RIGHT BANK
Banktop height (m)	3.0	Water width (m)	1.0
Banktop height (m)		Water depth (m)	0.03
Banktop height (m)		Embanked height (m)	3.0

If embankment lower than banktop break in slope, in Gutter: height (m) = width (m) = \_\_\_\_\_

Bed material is also in: consolidated (compact)  unconsolidated (loose)  Chalkstone

Location of macroinvertebrates in: riffle  run or glide  other  (tick one box)

**CHANNEL CHARACTERISTICS**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**CHANNEL MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? State: \_\_\_\_\_

**CHANNEL OBSTRUCTIONS**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Weir/falls > 5m high  Natural open water  Carr   
 Brakes/side channels  Water meadow  Marsh   
 Debris dams  Pea  Flush   
 Leafy debris

**EXPOSED BEDROCK**

Is 35% or more of the channel channel with vegetation? NO  YES

**CHANNEL OBSTRUCTIONS**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? *Neris Rhododendron bracteata*

**CHANNEL OBSTRUCTIONS**

Major impacts: bankfill - tipping - litter - sewage - pollution - deposit - obstruction - mill - dam - road - rail industry  
 hoarding - mucking - quarrying - overtopping - afforestation - fisheries management - silting - other? = \_\_\_\_\_

**LAND MANAGEMENT**: set-aside - buffer strip - broadland - abandoned land - parkland - M.O. other? = \_\_\_\_\_

**Animals**: other - mist - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dryopteris/damselfly

Other significant observations: \_\_\_\_\_

Adlers? None  Present  Extensive  Dispersed Adlers? None  Present  Extensive

**1996 RIVER HABITAT SURVEY**

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B SURVEY DETAILS**

Reference network site number: 6344  
 Mid-site grid reference of network site if different from designated location: \* RIVER WAS DRY

Grid Reference: 189050 River:  
 Date 11.16.1996 Time: 3:40 pm. Surveyor name: L. H. Dawson Accreditation code: R36

Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bod of river visible?  DRY No  partially  entirely  (tick one box)

(FE single photograph: general character? No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C DOMINANT VALLEY FORMS**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D OTHER FEATURES**

Riffles  Uegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY**

**TABLE (see DF) for - Riffles**

Useveg. code bars Veg point bars

Spot check 1: <input type="checkbox"/> upstream <input type="checkbox"/> downstream	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>	GA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b>	EARTH	EARTH	EARTH	EARTH	EARTH	EARTH	EARTH	EARTH	EARTH	EARTH
Channel substrate	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Substrate shape	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>	GA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE WITHIN 5m OF BANKTOP**

LEFT BANK TOP (structure within 1m)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK FACE (structure)	S	C	U	S	S	S	S	S	S	C
RIGHT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m)	S	U	C	C	C	B	C	S	S	S

**LAND USE WITHIN 5m OF BANKTOP (R)**

IG	IG	IG	IG	CP	CP	CP	CP	CP	CP	IG
----	----	----	----	----	----	----	----	----	----	----

**NONHE PLANT GENERA - list five S**

**RYOPHYTES/LICHENS**

**EMERGENT BROAD-LEAVED HERB**

**EMERGENT NARROW-LEAVED HERB**

**FLUKE-LEAVED (MAY)**

**FRESHWATER**

**AMPHIBIAN**

**SUBMERGED BROAD-LEAVED**

**SUBMERGED NARROW-LEAVED**

**FILAMENTOUS ALGAE**

**1996 RIVER HABITAT SURVEY**

**SECTIONED DIMENSIONS OF CHANNEL**

	L	R		L	R
Brush/limited woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs, mud vegetation (TH)			Suburban/urban development (SU)		

**MATERIALS/SEDIMENT**

	L	R		L	R
Vertical/undrained			Recessed		
Vertical + inc			Reinforced - whole bank		
Slope > 45°			Reinforced - top only		
Composite			Reinforced - toe only		
			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**TREES (tick one box per bank)**

None	Left	Right	Shading of channel	None	Percent B (2.5%)
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Rapidly spread, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scrub/contaminant	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present	B (2.5%)	None	Present	B (2.5%)
Wetbed(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Current(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Main island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Channel(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): NO FLOW AT ALL

**1996 RIVER HABITAT SURVEY**

**SECTIONED DIMENSIONS**

<b>LEFT BANK</b>	Banktop height (m)	1.5	Banktop width (m)	?	<b>RIGHT BANK</b>	Banktop height (m)	1.5
	Water width (m)	?	Water depth (m)	?		Embanked height (m)	?

If banktop lower than banktop break in slope, indicate: height (m) = ... width (m) = ...

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Shallow  N/A

Location of measurement is: riffle  run or glide  other  (tick one box) N/A

**MANUAL STRUCTURES**

None  Number of  Weirs =  Overtops =  Fords =   
 Feathered =  Ribs/bridges =  Other =   
 Is water impounded by weir/dam? No  Yes < 15% of site  > 15% of site

**OPERATIONAL STATUS**

None  Dredging  Mowing  Weeding   
 Enhancement  Other? State:

**PLANTING/VEGETATION INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (name)   
 Braked/side channels  Natural open water  Carr   
 Debris dams  Water meadows  Marsh   
 Leafy debris  Fens  Flush

**IS 33% SURFACE OF BED CHANNEL PLANTED WITH VEGETATION?** NO  YES

**OTHER OBSERVATIONS**

None  Glass Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron fructus

**MANAGEMENT**

Major impacts:  Logging  Farming  Grazing  Pollution  Recreation  Trunk Road  Railway  Quarrying  Overgrazing  Afforestation  Exotic mammal  Mining  Other? =

Lead Management: set-aside  buffer strip  hedland  abandoned land  parkland  MoD  other? =

Animals: otter  mink  water vole  kingfisher  dipper  grey wagtail  moor curlew  heron  dragonfly/damselfly

Other significant observations: NO WATER IN CHANNEL - TOTALLY DRY

Address? Name  Present  Extensive  Disused Address? Name  Present  Extensive

1996 RIVER QUALITY SURVEY (with modifications for plant genera and vegetation) - FORM 1

BACKGROUND MAP-BASED INFORMATION

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

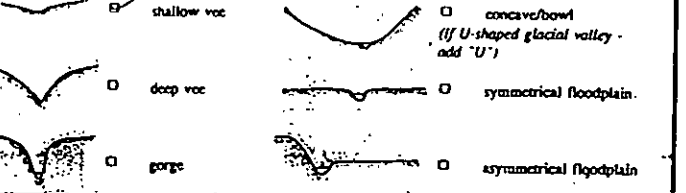
FIELD SURVEY DETAILS

Reference network site number: **6345**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: **Z35082** River: **PRESHNEY BECK**  
 Date **11.16.1996** Time: **2:15 pm** Surveyor name: **Jou Harris** Accreditation code: **PF36**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 4BB

1996 RIVER HABITAT SURVEY (with modifications) - FORM 2

TALLY (see IFE for details) Pools Unveg. side bars Veg. point bars

Spot check 1st visitation? down/upstream

	1	2	3	4	5	6	7	8	9	10
Material (M) ALAO CO CLAU, FL, CL, CP, CP, CP, CP, CP	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M) NO, RS, RP, CM, EN	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (M) NO, EC, SC, RP, JS, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (M) NO, CL, FL, CL, CP, CP, CP, CP, CP	NY	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape (FL, OV, EL, SP, CU, PO, BL, DM, UN, SW)	/	/	/	/	/	/	/	/	/	/
Flow type (FL, CL, RP, CP, RP, SP, RP, RP, RP)	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) (M) NO, CY, RS, RP, DA, PD	NO	NO	NO	NO	RS	RS	RS	NO	NO	NO
Channel feature(s) (M) NO, JO, RS, RP, JS, VS	TR	TR	NO	TR	NO	NO	NO	NO	NO	NO

LAND USE AND VEGETATION STRUCTURE

Material (M) ALAO CO CLAU, FL, CL, CP, CP, CP, CP, CP	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M) NO, RS, RP, CM, EN	RS	RS	RS	RS	RS	RS	NO	RS	RS	RS
Bank feature(s) (M) NO, EC, SC, RP, JS, VS	NO	NO	NO	NO	NO	NO	NO	NO	EC	NO

Land use: choose one from TH, CP, OR, RP, SC, TH, RP, NO, FL, OW, SW

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	RP	RP	OW	OW	OW	OW
LEFT BANK TOP (structure within 1m) BWS/C	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BWS/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BWS/C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BWS/C	U	U	B	B	B	B	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	SU	SU	SU	SU	SC	SC	SC	RP

PLANT GENERA

NONE	/	PLANT GENERA - see Grid 5																		
Dryopteris/Adiantum																				
Emergent broad-leaved herbs																				
Emergent reeds/cyperus/rushes																				
Floating-leaved (rooted)																				
Free-floating																				
Amblyops																				
Submerged broad-leaved																				
Submerged fan-leaved																				
Phragmites type																				

6345

CHANNEL DIMENSIONS AND WATER TURBULENCE

LEFT BANK	Banktop width (m)	RIGHT BANK	
Banktop height (m)	2.5	Water width (m)	3.5
Banktop height (m)		Banktop height (m)	3.0
Embankment height (m)		Water depth (m)	0.1
Embankment height (m)		Embankment height (m)	

If embankment lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Checkstone

Location of measurement is: riffle  run or glide  other  (tick one box)

None  Number of Cutovers = \_\_\_\_\_ Weirs = \_\_\_\_\_  
 Footbridges = 0 Other - PIPELINE CROSSING

Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

MANAGEMENT INTEREST

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

None  Great Haywood  Gambusia Balanus  Japanese Knotweed  Other? (Not Rhododendron bracken)

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brickle/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pits  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

None  Great Haywood  Gambusia Balanus  Japanese Knotweed  Other? (Not Rhododendron bracken)

Load Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_  
 Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - mud snail - heron - dragonfly/ladybird/lice  
 Other significant observations: **A lot of trash in stream, an oily film on water surface above point, & a lot of Eelgrass choking channel.**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

predominant flow sequence (select up to three features): **NO PERCEPTIBLE**

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Solid geology code Slope (m/km) Drift geology code Flow category (1-10) Platform category Navigation?

Distance from source (km) Significant tributary? Water Quality Class

Height of source (m) Water Quality Class

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**SURVEY DETAILS**

Reference network site number: **6346**

Mid-size grid reference of network site if different from designated location:

Grid Reference: **323012** River: **MANAGONGGUA BUCK BECK**

Date: **11.6.1996** Time: **8:30** Surveyor name: **Laithean** Accreditation code: **P.F.36**

Adverse conditions affecting survey? No  Yes  (if yes, state)

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
(duplicate will be made by scanning)  
and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

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**PREDOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

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**NUMBER OF FEATURES**

Riffles  Unvegetated point bars

Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
P.H. DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, BH20 6BB

**TALLY (see PD) for - Riffles**

Points: 1 2 3 4 5 6 7 8 9 10

Unveg. site bars Veg point bars

Spot check 1 in upstream  down stream

**EXPOSURE OF ROCKS (see PD)**

Material: **W, M, S, G, C, L, P, D, O, U, V, B, C, H, L, S, L, V**

Bank modification(s): **W, M, S, G, C, L, P, D, O, U, V, B, C, H, L, S, L, V**

Bank feature(s): **W, M, S, G, C, L, P, D, O, U, V, B, C, H, L, S, L, V**

**CHANNEL CHARACTERISTICS (see PD)**

Channel substrate: **W, M, S, G, C, L, P, D, O, U, V, B, C, H, L, S, L, V**

Substrate shape: **FL, OH, D, D, CU, PO, R, OH, M, M**

Flow type: **FF, CH, SH, UF, CF, SF, SF, SF, SF, SF**

Channel modification(s): **W, M, S, G, C, L, P, D, O, U, V, B, C, H, L, S, L, V**

Channel feature(s): **W, M, S, G, C, L, P, D, O, U, V, B, C, H, L, S, L, V**

**EMERGING PLANT SPECIES (see PD)**

Material: **W, M, S, G, C, L, P, D, O, U, V, B, C, H, L, S, L, V**

Bank modification(s): **W, M, S, G, C, L, P, D, O, U, V, B, C, H, L, S, L, V**

Bank feature(s): **W, M, S, G, C, L, P, D, O, U, V, B, C, H, L, S, L, V**

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**BANKTOP LAND USE AND VEGETATION STRUCTURE (see PD)**

Land use: choose one from **TL, CL, OL, NL, IC, TH, AP, IC, TL, OL, ON, SU**

**LAND USE WITHIN 5m OF BANKTOP (L)**

TL	IC	IC	IC	IC	IC	IC	IC	IC	IC
----	----	----	----	----	----	----	----	----	----

**LEFT BANK-TOP (structure within 1m) BASIC**

U	U	U	U	S	S	S	U	U	S
---	---	---	---	---	---	---	---	---	---

**LEFT BANK FACE (structure) BASIC**

U	C	C	U	S	S	S	S	S	S
---	---	---	---	---	---	---	---	---	---

**RIGHT BANK FACE (structure) BASIC**

U	U	U	U	U	C	S	S	C	
---	---	---	---	---	---	---	---	---	--

**RIGHT BANK-TOP (structure within 1m) BASIC**

U	U	U	U	U	U	U	U	U	U
---	---	---	---	---	---	---	---	---	---

**LAND USE WITHIN 5m OF BANK TOP (R)**

IC	IC	IC	IC	IC	IC	IC	IC	IC	IC
----	----	----	----	----	----	----	----	----	----

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**EMERGING VEGETATION TYPES (see PD)**

NONE  PLANT OTHERS - list first 5

Bryophytes/lichens

Emerging broad-leaved herbs

Emerging sedge/sedges/rushes

Flowering leaved (rooted)

Free-floating

Amphibious

Submerged broad-leaved

Submerged leaf/linear leaved

Filiposonous algae

**SPRINT 6346**

**LAND USE WITHIN 5m OF BANKTOP**

	L	R		L	R
Broad/limited woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tidal land (TL)		
Woodland/heath (WH)			Wetland (eg bog, marsh, fen) (WT)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Suburban/urban development (SU)		

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**NATURAL/UNMODIFIED**

	L	R	Artificial/modified	L	R
Vertical/bankcut	✓	✓	Embankment	E	E
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Patched		
			Embanked	E	E
			Set-back embankment		

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**TREES (tick one box per bank)**

	Left	Right		None	Percent E (>33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Local continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Observe woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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**ASSOCIATED FEATURES (tick one box per feature)**

	None	Percent E (>33%)		None	Percent E (>33%)
Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankcut	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankcut	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

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**WATERFALL(S)**

Name	Percent E
Waterfall(s)	<input type="checkbox"/>
Overfalls	<input type="checkbox"/>
Rapids	<input type="checkbox"/>
Riffles	<input type="checkbox"/>
Runs	<input type="checkbox"/>
Swills	<input type="checkbox"/>
Obd(s)	<input type="checkbox"/>
Pools	<input type="checkbox"/>

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Indicate predominant flow sequence (select up to three features): **GLIDE**

**CHANNEL DIMENSIONS (see PD)**

LEFT BANK	Banktop height (m)	13.0	RIGHT BANK	Banktop height (m)	1
	Water width (m)	4-25		Banktop height (m)	3.0
	Embanked height (m)	8.0		Embanked height (m)	
	Water depth (m)	0.4			

If median lower than banktop level in slope, banktop height (m) = width (m) =

Bed material at site is: consolidated (clay/silt)  unconsolidated (loam)  sandstone

Location of measurement is: cliff  rim or glide  other  (tick one box)

None  Number of Overfalls =  Weirs =  Footbridges =  Outfalls =  Pools =

Is water impounded by weirs? No  Yes  (<33% of site  >33% of site

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**WATERBODIES WITHIN 5m OF BANKTOP**

None  Dredging  Moving  Weed cutting

Embankment  Other? State

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**WATERBODIES WITHIN 5m OF BANKTOP**

None

Waterfalls > 5m high  Artificial open water  Bog  Other (state)

Brick/side channels  Natural open water  Carr

Debris dams  Water shadow  Marsh

Leafy debris  Pits  Flush

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**VEGETATION WITHIN 5m OF BANKTOP**

Is 33% or more of the channel choked with vegetation? NO  YES

Name of plant species:  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  (state)

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**MAJOR BANK CUTS (see PD)**

Major bank cuts:  (state)  (state)  (state)  (state)  (state)

Land Management: not made - buffer strip - headland - abandoned land - partition - MoD - other =

Animals: other - mist - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonfly/damselfly

Other significant observations: **2 MALLARDS & 1 SMALL FROG**

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Alters? None  Present  Extensive  Disused Alters? None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION:**

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary?	Navigation? <b>NO</b>
Height of source (m)	Water Quality Class	

**FIELD SURVEY DETAILS:**

Reference network site number: **6367**

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **ALT**

Date: **2/6/1996** Time: **16:10** Surveyor name: **Duxson** Accreditation code: **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
(duplicate will be made by scanning)

and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only):**

<input type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl (if U-shaped glacial valley - add 'U')
<input type="checkbox"/> deep vee	<input checked="" type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**NUMBER OF FEATURES:**

Riffles: <b>1</b>	Unvegetated point bars: <b>0</b>
Pools: <b>6</b>	Vegetated point bars: <b>0</b>

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**SITE NO. 6367**

Bracken/maize woodland (BW)	Rough pasture (RP)	L	R
Coniferous plantation (CP)	Improved/semi-improved grass (IG)		
Orchard (OR)	Tilled land (TL)		
Moorland/heath (MH)	Wetland (eg bog, marsh, fen) (WL)		
Sods (SC)	Open water (OW)		
Tall herbs' rank vegetation (TH)	Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/horizontal			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Paired		
			Embanked		
			Set-back embankments		

**TREES (tick one box per bank):**

None	Left <input checked="" type="checkbox"/>	Right <input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature):**

Shading of channel	None <input type="checkbox"/>	Percent <input type="checkbox"/> E (> 33%)
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Waterfall(s)	None <input checked="" type="checkbox"/>	Percent <input type="checkbox"/> E	Marginal downwater	None <input checked="" type="checkbox"/>	Percent <input type="checkbox"/> E (> 33%)
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oholt(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **Slide**

**RIVER HABITAT SURVEY WITH PROTOCOL**

LLY (see 20) for: Riffles / Pools / Unveg. side bars / Veg point bars

check 1 is: upstream  downstream

Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
bed modification(s)	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
and feature(s)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

**USE WITHIN 5m OF BANKTOP (L)**

TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH
S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S

**PLANT CHECKLIST - list Area 5**

year/decade																			
Every broad-leaved herb																			
Every rush/sedge/reed																			
g-leaved (rooted)																			
swamp																			
unemerged broad-leaved																			
g-leaved (leaved)																			
swamp																			
swamp																			

**CHANNEL DIMENSIONS (m)**

LEFT BANK	Banktop width (m)	<b>17.0</b>	RIGHT BANK	Banktop width (m)	<b>16.5</b>
Banktop height (m)	Water width (m)	<b>12.0</b>	Banktop height (m)	Water width (m)	<b>0.5</b>
Embanked height (m)	Water depth (m)	<b>NK</b>	Embanked height (m)	Water depth (m)	<b>NK</b>

If water level less than banktop break in slope, indicate: height (m) / width (m)

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chalkstone

Location of measurement is: riffle  run or glide  other  (tick one box)

**WATER QUALITY (tick one box per bank)**

None  Number of Culverts = **0** Weirs = **1** Outfalls = **0** Ponds = **0**

Number of Footbridges = **0** Roadbridges = **0** Other = **2**

Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**MAINTENANCE OPERATIONS:**

None  Dredging  Mowing  Weed-cutting  Embankment  Other? Stone

**STRUCTURES OF CONCERN WITHIN 5m OF BANKTOP (L)**

None	Waterfalls > 5m high <input checked="" type="checkbox"/>	Artificial open water <input checked="" type="checkbox"/>	Bog <input type="checkbox"/>	Other (state) <b>CANAL</b>
Brick/stone channels	Natural open water <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Clay <input type="checkbox"/>	
Debris dams	Flow <input type="checkbox"/>	Flow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Loose debris	Flow <input type="checkbox"/>	Flow <input type="checkbox"/>	Flank <input type="checkbox"/>	

**IS 33% OR MORE OF THE CHANNEL CHOKED WITH VEGETATION?** NO  YES

**MAJOR IMPACTS:** landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - railway - housing - mining - quarrying - overgrazing - afforestation - fisheries management - other

**LEAD MANAGEMENT:** (tick one box) buffer strip - bankland - abandoned lead  - MoD  - AgriAid

**ANIMALS:** other - mist - water vole - kingfisher - dipper - grey wagtail - sand martin - barn - dragonfly/damselfly

Other significant observations: **At 3rd end is a gully with debris. At mid-point is a small fish pond on a low ridge. A most unimpaired stretch of river.**

**ALTERS?** None  Percent  Extensive  Obvious Alters? None  Percent  Extensive







**BACKGROUND MAP-BASED INFORMATION**

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary?	Navigation?
Height of source (m)	Water Quality Class	

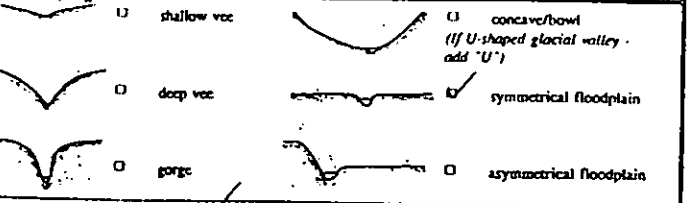
**FIELD SURVEY DETAILS**

Reference network site number: **6349**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **SUTTON BROOK**  
 Date: **26/11/1996** Time: **12:37** Surveyor name: **DIACON** Accreditation code: **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**



Terraced valley floor? No  Yes  LIFE - VALLEY FORM NOTES:

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DARSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

**CHANNEL DIMENSIONS**

	L	R		L	R
Banktop width (m)			5.50		
Banktop height (m)			1.5		
Water width (m)			5.0		
Water depth (m)			0.3		

Banktop width (m)	5.50	RIGHT BANK	Banktop height (m)	1.5
Water width (m)	5.0		Banktop height (m)	1.5
Water depth (m)	0.3		Banktop height (m)	1.5

TREES (tick one box per bank)		ASSOCIATED FEATURES (tick one box per feature)	
None	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>

Waterfalls (s)	None <input checked="" type="checkbox"/>	Marginal downwater	None <input type="checkbox"/>
Canal(s)	<input type="checkbox"/>	Expanded bedrock	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	Expanded boulders	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>
Boul(s)	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Chide(s)	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
Point(s)	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **Glide**

**CHANNEL DIMENSIONS AND BANK FEATURES**

LEFT BANK	Banktop width (m)	5.50	RIGHT BANK	Banktop width (m)	5.50
Banktop height (m)	1.5	Water width (m)	5.0	Banktop height (m)	1.5
Water depth (m)	0.3	Water depth (m)	0.3	Banktop height (m)	1.5

Bank features (s)	None <input checked="" type="checkbox"/>	Number of Outlets = 0	Wires = 0	Outfalls = 1	Fords = 0
Bank features (s)	None <input checked="" type="checkbox"/>	Number of Foodbridges = 0	Woodbridges = 0	Other = 0	Fords = 0

Bank features (s)	None <input checked="" type="checkbox"/>	Number of Outlets = 0	Wires = 0	Outfalls = 1	Fords = 0
Bank features (s)	None <input checked="" type="checkbox"/>	Number of Foodbridges = 0	Woodbridges = 0	Other = 0	Fords = 0

Bank features (s)	None <input checked="" type="checkbox"/>	Number of Outlets = 0	Wires = 0	Outfalls = 1	Fords = 0
Bank features (s)	None <input checked="" type="checkbox"/>	Number of Foodbridges = 0	Woodbridges = 0	Other = 0	Fords = 0

Bank features (s)	None <input checked="" type="checkbox"/>	Number of Outlets = 0	Wires = 0	Outfalls = 1	Fords = 0
Bank features (s)	None <input checked="" type="checkbox"/>	Number of Foodbridges = 0	Woodbridges = 0	Other = 0	Fords = 0

Bank features (s)	None <input checked="" type="checkbox"/>	Number of Outlets = 0	Wires = 0	Outfalls = 1	Fords = 0
Bank features (s)	None <input checked="" type="checkbox"/>	Number of Foodbridges = 0	Woodbridges = 0	Other = 0	Fords = 0

**CHANNEL DIMENSIONS AND BANK FEATURES**

Banktop width (m)	5.50	RIGHT BANK	Banktop width (m)	5.50
Banktop height (m)	1.5	Banktop height (m)	1.5	
Water width (m)	5.0	Banktop height (m)	1.5	
Water depth (m)	0.3	Banktop height (m)	1.5	

Banktop width (m)	5.50	RIGHT BANK	Banktop width (m)	5.50
Banktop height (m)	1.5	Banktop height (m)	1.5	
Water width (m)	5.0	Banktop height (m)	1.5	
Water depth (m)	0.3	Banktop height (m)	1.5	

Banktop width (m)	5.50	RIGHT BANK	Banktop width (m)	5.50
Banktop height (m)	1.5	Banktop height (m)	1.5	
Water width (m)	5.0	Banktop height (m)	1.5	
Water depth (m)	0.3	Banktop height (m)	1.5	

Banktop width (m)	5.50	RIGHT BANK	Banktop width (m)	5.50
Banktop height (m)	1.5	Banktop height (m)	1.5	
Water width (m)	5.0	Banktop height (m)	1.5	
Water depth (m)	0.3	Banktop height (m)	1.5	

Banktop width (m)	5.50	RIGHT BANK	Banktop width (m)	5.50
Banktop height (m)	1.5	Banktop height (m)	1.5	
Water width (m)	5.0	Banktop height (m)	1.5	
Water depth (m)	0.3	Banktop height (m)	1.5	

Banktop width (m)	5.50	RIGHT BANK	Banktop width (m)	5.50
Banktop height (m)	1.5	Banktop height (m)	1.5	
Water width (m)	5.0	Banktop height (m)	1.5	
Water depth (m)	0.3	Banktop height (m)	1.5	

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: **6352**  
 Mid-site grid reference of network site if differs from designated location:

Grid Reference: River: **MERSEY**  
 Date: **1.16.1996** Time: **17:46** Surveyor name: **Duncan** Accreditation code: **P-27**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 (FE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  LIFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box only)**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO:  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BH20 6BB

**SITE NO. 22**

**E. CHANNEL DIMENSIONS AND ASSOCIATED FEATURES**

	L	R		L	R
Brick/wooden - outfall (BL)		F	Rough nature (RF)		
Concrete/plastic (CF)			Improved/semi improved grass (IG)		
Overbank (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs / reed vegetation (TH)	E	E	Suburban/urban development (SU)	E	F

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical meadow	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical - top	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Deep (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Grass	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concrete	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Punctured	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set back embankments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**FLEES (tick one box per bank)**

	Left	Right		None	Percent E (2.5%)
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/wooded	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging banks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scrub/contaminant	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Percent E (2.5%)		None	Percent E (2.5%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal discharge	<input type="checkbox"/>	<input type="checkbox"/>
Concave(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE**

LAND USE: choose one from BL, CF, OR, MH, SC, TH, AP, AG, RL, HL, OW, SU

LEFT BANK TOP (structure within 1m)	BL	CF	OR	MH	SC	TH	AP	AG	RL	HL	OW	SU
LEFT BANK FACE (structure)	S	S	U	U	S	U	U	B	S	U		
RIGHT BANK TOP (structure within 1m)	S	S	U	U	S	S	S	S	S	S		
RIGHT BANK FACE (structure)	S	S	U	U	S	S	S	S	S	S		

**G. PLANT COMMUNITY**

PLANT GENERA - list first 5

None												
Eryngium/Artemisia												
Emergent broad-leaved herbs												
Emergent reeds/sedges/rushes												
Flowering dry-reed (rounded)												
Free floating												
Submerged												
Submerged broad-leaved												
Submerged fine-leaved												
Submersive algae												

**H. CHANNEL DIMENSIONS AND VEGETATION**

LEFT BANK	Banktop width (m)	10.0	RIGHT BANK	
Banktop height (m)	Water width (m)	10.0	Banktop height (m)	1
Embankment height (m) (at bank)	Water depth (m)	NK	Embankment height (m) (at bank)	2.5

U = within lower than banktop bank in slope, indicate: height (m) = X width (m) = X

Bed material at site: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement in: riffle  run or glide  other  (tick one box)

**I. CHANNEL VEGETATION**

None  Number of  Culverts =  Weirs =  Overfalls =  Ferds =   
 Footbridges =  Roundbridges =  Other =

Is water impounded by weirs/bars? No  Yes, < 33% of site  > 33% of site

**J. CHANNEL VEGETATION**

None  Dredging  Moving  Wood cutting   
 Embankment  Other? State: \_\_\_\_\_

**K. CHANNEL VEGETATION**

None  Artificial open water  Bog  Other (state)   
 Brick/wooden channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Floe  Fleeb

**L. CHANNEL VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

**M. CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick)

**N. CHANNEL VEGETATION**

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fabricator's encroachment - mining - other? = \_\_\_\_\_

Land Management: not acidic - buffer strip - hedged - abandoned land - (walled) - MoD - other? = \_\_\_\_\_

Animals: other - mink - water vole - kingfisher - dipper - gray wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: \_\_\_\_\_

ALTER: None  Present  Extensive  Choked? None  Present  Extensive















**1996 RIVER HABITAT SURVEY** (with 108 modifications) **Page 1 of 4**

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number: **6365**

Mid-site grid reference of network site if different from designated location:  
**? WAITHE BECK**

Grid Reference: **TF 97945** River: **THORESWAY BECK**

Date: **28.6.1996** Time: **10:00** Surveyor name: **N. SRIEVE** Accreditation code: **P.F. 12**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**DIAGNOSIS OF RIFFLES, POOLS AND POINT BARS (tick one box only)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEELEY plus all water samples and expenses claims TO  
 F.H. DANSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

REF NO: **6365**

**VEGETATION AND ASSOCIATED FEATURES**

	L	R		L	R
rough/improved woodland (BL)			Rough pasture (RP)		
uniform plantation (CP)			improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
woodland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
tree (SQ)			Open water (OW)		
small herbs' root vegetation (TH)			Suburban/urban development (SU)		

**ARTIFICIAL/MODIFIED**

	L	R	Artificial/modified	L	R
Vertical + toe			Reinforced - whole bank		
Slope (> 43°)			Reinforced - top only		
side			Reinforced - toe only		
apex			Artificial two-stage		
			Poached		
			Rebanked		
			Set back embankment		

**TREES (tick one box per bank)**

	Left	Right
None	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clump	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Percent E (2.33%)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATERBODIES AND ASSOCIATED FEATURES**

	None	Percent E (2.33%)
Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Marshy channel(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **RIFLE - SLOVE**

**1996 RIVER HABITAT SURVEY** (with 108 modifications) **Page 2 of 4**

**PHYSICAL ATTRIBUTES (to be completed by site channel within 1m wide channel)**

Span check:  upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	VS	VS	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	VS	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL CHARACTERISTICS**

	1	2	3	4	5	6	7	8	9	10
Channel substrate	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Substrate shape	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO
Flow type	UN	UN	UN	UN	UN	UN	UN	UN	UN	UN
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assigned only at 10m wide transects)**

Land use: choose one from BL, CP, OR, RP, SC, TH, RP, IG, FL, WL, OW, SW

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	S	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	U	U	S	S	U	S	U	S	U
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

**CHANNEL VEGETATION (tick one box per feature)**

NONE / PLANT GENERA - list first 5

	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent narrow-leaved herbs										
Flowering leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

**1996 RIVER HABITAT SURVEY** (with 108 modifications) **Page 3 of 4**

**CHANNEL DIMENSIONS AND CHANNEL CHANGES**

LEFT BANK	Banktop width (m)	Banktop height (m)	Embanked height (m)	RIGHT BANK	Banktop width (m)	Banktop height (m)	Embanked height (m)
	6.25	1.6	0.05		1.75	2.25	0.05

If bankline lower than banktop level in slope, indicate: height (m) =  $\sqrt{JK}$  width (m) =  $\sqrt{JK}$  (two versions TL)

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL CHANGES**

None  Number of Culverts = Footbridges = **2** Weirs = Roadbridges = **2** Outfalls = Other = \_\_\_\_\_ Fords = \_\_\_\_\_

Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**CHANNEL CHANGES**

None  Dredging  Mowing  Wood cutting   
 Embankment  Other? State \_\_\_\_\_

**CHARACTERISTICS OF CHANNEL VEGETATION**

None  Waterfalls > 1m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bricket/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pea  Flush

**CHANNEL CHANGES**

Is 33% or more of the channel choked with vegetation? NO  YES

**CHANNEL CHANGES**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron bracken

**MAJOR IMPACTS:** badSS - dipping - silt - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - afforestation - fisheries management - silted - other? = \_\_\_\_\_

**LAND MANAGEMENT:** wet side - buffer strip - headland - shaded/wooded land - perturbed - MoD - other? = \_\_\_\_\_

**ANIMALS:** otter - seal - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

**OTHER SIGNIFICANT OBSERVATIONS:** RS channel, mostly straight, some WL - 4 or 5 islands: lake (RUB - bottom)

Allen? None  Present  Extensive  Discussed Allen? None  Present  Extensive

**1996 RIVER HABITAT SURVEY with 12 methods for plant species and features** Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6366  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 207990 River: WATME DECK  
 Date: 11/15/1996 Time: 12:15 pm Surveyor name: Paul Harris Accreditation code: PF36  
 Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. CHANNEL DIMENSIONS, POOLS AND POINT BARS (tick one box only)**

Riffles 2 Unvegetated point bars   
 Pools 0 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and express claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY WITH 12 METHODS FOR PLANT SPECIES AND FEATURES** Page 2 of 4

**TABLE 1 (see ID) for - Riffles** Pools: \_\_\_\_\_ Unveg side bars: \_\_\_\_\_ Veg point bars: \_\_\_\_\_

Spot check 1 in upstream <input checked="" type="checkbox"/> down-stream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material $\sum W_{1-10} CO_{1-10} PL_{1-10} CL_{1-10} GP_{1-10} GA_{1-10}$	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) $\sum W_{1-10} RS_{1-10} VS_{1-10}$	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) $\sum W_{1-10} SB_{1-10} NO_{1-10} VS_{1-10}$	NO	SB	NO	NO	NO	NO	NO	NO	NO	VS
Channel substrate $\sum W_{1-10} SA_{1-10} GP_{1-10} GP_{1-10} GP_{1-10} SA_{1-10} GP_{1-10}$	SA	SA	GP	GP	GP	GP	SA	GP	SA	GP
Substrate slope $\sum W_{1-10} FL_{1-10} EL_{1-10} CU_{1-10} FO_{1-10} BL_{1-10} DM_{1-10}$	/	/	NA	NA	NO	NA	/	NA	/	NA
Flow type $\sum W_{1-10} SM_{1-10} SM_{1-10} SM_{1-10} RP_{1-10} SM_{1-10} SM_{1-10} RP_{1-10}$	SM	SM	SM	RP	SM	SM	RP	SM	RP	SM
Channel modification(s) $\sum W_{1-10} RS_{1-10} VS_{1-10}$	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) $\sum W_{1-10} NO_{1-10} NO_{1-10}$	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK VEGETATION (tick one box only)**

Material $\sum W_{1-10} CO_{1-10} PL_{1-10} CL_{1-10} GP_{1-10} GA_{1-10}$	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) $\sum W_{1-10} RS_{1-10} VS_{1-10}$	NO	NO	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) $\sum W_{1-10} NO_{1-10} VS_{1-10}$	NO	NO	VS	NO	NO	VS	NO	NO	NO	NO

**J. BANK TOE AND TREE AND VEGETATION STRUCTURE (tick one box only)**

Land use: choose one from BL, CP, DR, KH, IC, FN, IG, IL, WL, OR, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) $\sum W_{1-10} S_{1-10} C_{1-10} U_{1-10} S_{1-10} U_{1-10}$	S	S	S	C	S	U	S	S	U
LEFT BANK FACE (structure) $\sum W_{1-10} S_{1-10} C_{1-10} S_{1-10} C_{1-10}$	S	C	S	C	S	S	C	C	S
RIGHT BANK FACE (structure) $\sum W_{1-10} S_{1-10} C_{1-10} S_{1-10} S_{1-10}$	S	C	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) $\sum W_{1-10} C_{1-10} S_{1-10} S_{1-10} S_{1-10}$	C	S	S	S	S	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	TL	TL	TL	TL	TL	TL	TL

**K. CHANNEL VEGETATION (tick one box only)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs			/	E	/	E	E	E	/	/
Emerg reeds/sedges/rushes									/	/
Floating-leaved (rooted)										
Frao-floating										
Amphibious						/				
Submerged broad-leaved										
Submerged fine-leaved			/	/	/	/	/	/	/	/
Filamentous algae			/	/	/	/	/	/	/	/

**SITE NO. 6366**

	L	R		L	R
Broadleaf/wooded (BL)		/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/wood-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		E
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Suburban/urban development (SU)		

**Vertical/modified**

Vertical/unmodified	L	R	Artificial/modified	L	R
Vertical + toe	/	/	Reconciled	E	E
Slope (> 45°)	/	/	Reinforced - whole bank	/	/
Grade	/	/	Reinforced - toe only	/	/
Composite	/	/	Artificial two-stage	/	/
			Penstock	/	/
			Embankment	/	/
			Set back embankments	/	/

**TREES (tick one box per bank)**

None	Left	Right	Shading of channel	None	Percent S (2-11%)
Lactated/cantered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Local continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Canopy woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Percent S	Marginal floodwater	None	Percent S (2-11%)
Overfalls(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chick(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Point(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features): GLDE

**CHANNEL DIMENSIONS AND DEFINITIONS**

LEFT BANK	Banktop width (m)	<u>7.75</u>	RIGHT BANK
Banktop height (m)	Water width (m)	<u>2.75</u>	Banktop height (m)
Embankment height (m)	Water depth (m)	<u>0.15</u>	Embankment height (m)

If trapezoid lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)

Location of measurement is: riffle  run or glide  other  (tick one box)

**PLANTING FEATURES**

None  Number of: Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weirs? No  Yes, < 31% of site  > 31% of site

**REVISIONS OF CHANNEL MANIPULATION (tick one box only)**

None  Dredging  Moving  Weed-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**CHARACTER OF CHANNEL (tick one box only)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brinked/side channels  Natural open water  Carr   
 Oxbow ditches  Water meadow  Marsh   
 Lanky debris  Fine  Flats

**SHEDDING PLANTS**

Is 31% or more of the channel checked with vegetation? NO  YES

**PLANT SPECIES (tick one box only)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron laurence

**MAJOR IMPACTS** (tick one box only)  
 landfill - tipping - litter - sewage - pollution - drought - obstruction - spill - dam - road - mill - industry -  
 bombing - mining - quarrying - overgrazing - afforestation - fisheries management - other? = \_\_\_\_\_

**LAND MANAGEMENT** (tick one box only)  
 set aside - buffer strip - woodland - abandoned land - parkland - M2D - other? = \_\_\_\_\_

**ANIMALS** (tick one box only)  
 otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

**OTHER SIGNIFICANT OBSERVATIONS**

Adopt? None  Present  Extensive  Decayed Adopt? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

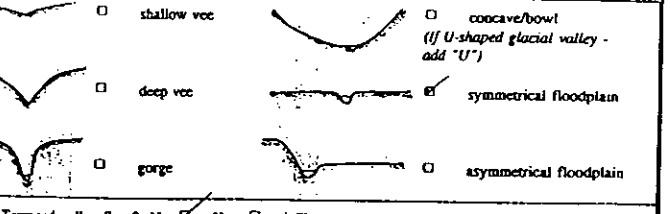
FIELD SURVEY DETAILS

Reference network site number: **6367**  
 Mid-site grid reference of network site if differs from designated location:

Grid Reference: **318986** River: **NEW DVICE**  
 Date: **11/6/1996** Time: **9:45** Surveyor name: **Paul Tibbo** Accreditation code: **PF86**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box only)  
 Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (see Defs for Riffles Pools Unveg side bars Veg point bars)

Spot check 1 is vegetation	1	2	3	4	5	6	7	8	9	10
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Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	/	/	/	/	/	/	/	/	/	/
Flow type	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LEFT BANK LAND USE AND VEGETATION STRUCTURE (to be filled in within 10m of stream)

Land use: choose one from IL, OL, NH, SC, TH, RP, IG, TL, WL, OW, SU	IG	OW	RP	OW	RP	RP	RP	IG	IG	IG
LEFT BANK TOP (structure within 1m)	S	S	S	S	S	S	S	U	U	U
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m)	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

PLANT GENERA - List first 5

NONE										
Bryophytes/lichens										
Emerg broad-leaved herbs	/	/	/	/	/	/	/	/	/	/
Emerg roots/wedges/mats	/	E	E	E	E	/	/	/	/	/
Floating leafed (rooted)										
Free-floating										
Amphibious	/									
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

VEGETATION ZONE AND CHANNEL BANKS

Broad/riparian woodland (BL)							
Coarse plantation (CP)							
Orchard (OK)							
Meadow/heath (MH)							
Scrub (SC)							
Tall herb/maest vegetation (TB)							
Artificial/modified							
Vertical/vertical							
Vertical + toe							
Slope (>45°)							
Grade							
Composite							

Vertical/vertical							
Vertical + toe							
Slope (>45°)							
Grade							
Composite							

TREES (tick one box per bank)

None							
Isolated/scattered							
Regularly spaced, single							
Occasional clumps							
Semi-continuous							
Continuous							

ASSOCIATED FEATURES (tick one box per feature)

Shading of channel	None	Percent E (>11%)
Overhanging boughs		
Exposed bankside roots		
Underwater tree roots		
Fallen trees		
Coarse woody debris		
Marginal deadwater	None	Percent E (>11%)
Exposed bedrock		
Exposed boulders		
Unvegetated mid-channel bar(s)		
Vegetated mid-channel bar(s)		
Mature island(s)		
Unvegetated side bar(s)		
Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): **NO PERCEPTIBLE**

1996 RIVER HABITAT SURVEY DIMENSIONS AND ENERGIES

CHANNEL DIMENSIONS (to be filled in within 10m of stream)

LEFT BANK	Banktop width (m)	18.0	RIGHT BANK	
Banktop height (m)	Water width (m)	4.0	Banktop height (m)	
Embanked height (m)	Water depth (m)	0.5	Embanked height (m)	3.5

If tradeline lower than banktop break in slope, indicate: height (m) = width(m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown   
 Location of measurement is: riffle  run or glide  other  (tick one box)

VEGETATION FEATURES (to be filled in within 10m of stream)

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

VEGETATION MANAGEMENT (to be filled in within 10m of stream)

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State: **SEE BELOW**

VEGETATION INTEREST (to be filled in within 10m of stream)

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Broad/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pool  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

VEGETATION (to be filled in within 10m of stream)

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? Note: Rhododendron bracken

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-exposure - afforestation - fisheries management - siting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: left bank cleared every 10yrs (last time was last yr).  
 - clearance of trees, bushes etc. Channel dredged every yr of rock etc. Water very rocky. Fishing ponds nearby

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive







**BACKGROUND MATERIAL AND INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6369  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SH 389919 River: Wagy2  
 Date 4.1.1996 Time: 05:00 Surveyor name: N. Adams Accreditation code: AF64

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. R. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WARERAN, NZ20 608

**PHYSICAL ATTRIBUTES**

Spot check 1 to upstream  downstream

	1	2	3	4	5	6	7	8	9	10
Material	SA	SA	CO	CO	30	CA	CA	CL	CL	CL
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK**

Material	BO	CL	CA	RR	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE**

LAND USE WITHIN 5m OF BANK TOP (L)	BL	SC	BL	BL	SC	KA	TL	TL	TL
LEFT BANK - TOP (structure within 1m)	C	S	S	E	S	U	S	S	S
LEFT BANK FACE (structure)	U	U	S	S	S	U	U	S	S
RIGHT BANK FACE (structure)	S	C	C	S	U	S	S	S	S
RIGHT BANK - TOP (structure within 1m)	U	U	U	S	S	U	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	U	U	U	S	U	U	U	U	U

**PLANT GENERA**

PLANT GENERA	BL	SC	BL	BL	SC	KA	TL	TL	TL
Bryophytes/lichens									
Emergent broad-leaved herbs									
Emergent sedge/straw/rushes									
Floating-leaved (rooted)									
Free-floating									
Angiosperm									
Submerged broad-leaved									
Submerged fine-leaved									
Emergent sedge									

**SITE NO. 6369**

**LAND USE AND VEGETATION**

	L	R		L	R
Broad/valued woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WZ)		
Scrub (SC)			Open water (OW)		
Tall herb/semi-vegetation (TH)			Suburban/urban development (SU)		

**Natural/modified bed**

	L	R	Artificial/modified	L	R
Vertical/undisturbed			Recessed		
Vertical + sea			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Grass			Reinforced - sea only		
Composite			Artificial two-stage		
			Poached		
			Fathomed		
			Set back cobblestones		

**TRILLS (tick one box per feature)**

	None	Present E (> 1%)
None	<input type="checkbox"/>	<input type="checkbox"/>
Island/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional change	<input type="checkbox"/>	<input type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Present E (> 1%)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Palm trees	<input type="checkbox"/>	<input type="checkbox"/>
Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATERBODIES**

	None	Present E (> 1%)
Marginal dead-water	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Minor island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	4.7	RIGHT BANK	Banktop width (m)	1.2
Banktop height (m)	Water width (m)	3.6	Banktop height (m)	Water depth (m)	0.05
Embedded height (m)	Water depth (m)	0.05	Embedded height (m)		

If trouble lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chalkstone

Location of measurement is: riffle  rap or glide  other  (tick one box)

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Ponds = 0  
 Roadbridges = 1 Roadbridges = 0 Other = 0  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: .....

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Brackish/side channels  Natural open water  Cuts   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Poo  Flats

Is 11% or more of the channel choked with vegetation? NO  YES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle, Ribwort's, etc.

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry -  
 boating - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other: =

Land Management: sea-side - buffer strip - headland - abandoned land - parkland - MoD - other: =

Animals: water - mist - water vole - kingfisher - dipper - grey wagtail - mud martin - heron (specify/describe)

Other significant observations: .....

Address? None  Present  Extensive  Disposed Address? None  Present  Extensive

**WATER QUALITY SURVEY FORM** (for plant genera and vegetation)

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6370  
Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: S4375845 River: Cons. 4-30L  
Date: 11/1/1996 Time: 15:00 Surveyor name: N. Nilsson Accreditation code: RF64

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely (1) (tick one box)

IFE single photograph, general character? No  Yes (1) (tick one box)  
(duplicate will be made by scanning)  
and, as required, special feature? No  Yes (1) (tick one box)

Site surveyed from: left bank  right bank  channel (1) (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  LIFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. CHANNEL ATTRIBUTES (to be accessed across channel with care if possible - channel only)**

Riffles  Unvegetated point bars   
Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**RIVER HABITATS SURVEY SPOT CHECK**

Fully use (H) for Riffles Pools Unveg. side bars Veg point bars

**E. CHANNEL ATTRIBUTES (to be accessed across channel with care if possible - channel only)**

Spot check 1 is upstream of downstream (1)	1	2	3	4	5	6	7	8	9	10
Material <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	EA	CS	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	SL	S1	S1	S1	S1	S1	S1	S1	S1	S1
Substrate shape <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Flow type <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANK TOP, LAND USE AND VEGETATION STRUCTURE (to be accessed over a 10m wide strip)**

Land use: choose one from RL, CP, GA, MH, SC, TH, RP, AS, FL, NT, ON, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	SC	SC	SC	SC
LEFT BANK TOP (structure within 1m) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	4	5	5	5	5	5	4	5	5	5
LEFT BANK FACE (structure) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	5	4	5	5	5	5	4	5	5	5
RIGHT BANK FACE (structure) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	5	5	5	5	5	5	5	5	5	5
RIGHT BANK TOP (structure within 1m) <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	4	4	5	4	5	5	4	5	4	4
LAND USE WITHIN 5m OF BANK TOP (R)	14	14	RP	RP	RP	RP	RP	14	RP	RP

**G. CHANNEL VEGETATION (tick one box)**

NONE / PLANT GENERA - list first 5

Plant Genera	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/edges/rushes (small/young ones)										
Flowering leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved							E	E	E	
Submerged fine/linear-leaved										
Filamentous algae										

**SITE NO. 6370**

**H. LAND USE WITHIN 50m OF BANKTOP (to be accessed across channel with care if possible)**

	L	R		L	R
Broadleaf/wooded (BL)			Rough pasture (RP)	L	E
Coniferous plantation (CP)			Improved/mixed-improved grass (IG)		
Owland (OW)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' sward vegetation (TB)			Suburban/urban development (SU)		

**I. CHANNEL VEGETATION (tick one box)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/random			Reinforced		
Vertical + toe			Reinforced - whole bank		
Sloped (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**J. TREES (tick one box per bank)**

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2.5%)
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scam continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**K. ASSOCIATED FEATURES (tick one box per feature)**

	None	Present E (2.5%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Concave(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Race(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glade(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features): 1, 2, 3

**RIVER HABITATS SURVEY DIMENSIONS AND MEASUREMENTS**

**L. CHANNEL DIMENSIONS (to be accessed across channel with care if possible)**

LEFT BANK	Banking width (m)	RIGHT BANK
Banking height (m)	0.9	Banking height (m)
Embanked height (m)		Embanked height (m)
Water width (m)	3.30	Water depth (m)
Banktop height (m)	2.0	Banktop height (m)
Water depth (m)	0.5	

If trachea lower than banking break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  no or glide  other  (tick one box)

**M. CHANNEL VEGETATION (to be accessed across channel with care if possible)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
Footbridges = \_\_\_\_\_ Roundbridges = \_\_\_\_\_  
Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**N. VEGETATION MANAGEMENT**

None  Dredging  Mowing  Wood cutting   
Fishpasses  Other? State \_\_\_\_\_

**O. FEATURES OF SPECIAL INTEREST (to be accessed across channel with care if possible)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
Braked/side channels  Natural open water  Carr   
Debris dams  Water meadow  Marsh   
Leafy debris  Foas  Flush

**P. CHANNEL CHANNELS (to be accessed across channel with care if possible)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q. ANIMALS (to be accessed across channel with care if possible)**

None  Great Horwallow  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**R. SIGNIFICANT OBSERVATIONS (to be accessed across channel with care if possible)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silt - other? = \_\_\_\_\_

Land Management: set-back - buffer strip - bandland - abandoned land - parkland MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Redwing, Golden Plover, Grebe, Coot, Curlew, Heron, Kingfisher, Dipper, Grey Wagtail, Mud Martin, Heron, Dragonflies/Damselflies

**S. ALDERS (to be accessed across channel with care if possible)**

Alters? None  Present  Extensive  Dispersed Alders? None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

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**FIELD SURVEY DETAILS**

Reference network site number: 6371  
 Mid-site grid reference of network site if different from designated location:

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Grid Reference: River: NO NAME  
 Date: 1/5/1996 Time: 11.45 Surveyor name: NILKINSON Accreditation code: PF64

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

---

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles 3 Unvegetated point bars 0  
 Pools 2 Vegetated point bars 0

SEND COMPLETED FORMS W/ELT plus all water samples and exposure claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**RIVER QUALITY SURVEY DIMENSIONAL SURVEY (RIVER SPOT CHECKS)**

FAIRLY (see DF) for Riffles !! Peaks Untree side bank Veg point bars

**PHYSICAL ATTRIBUTES** (to be recorded across channel in 10m wide transect)

Spot check 1st upstream/downstream !!

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

**LEFT BANK STRUCTURE**

Material	EA	EA	EA	CL	SA	CA	EA	CA	SA	CA
Bank mode	NO	NO	NO	NO	NO	RS	RS	RS	RS	RS
Bank form	NO	NO	NO	NO	NO	SB	NO	NO	NO	NO

**CHANNEL CHARACTERISTICS**

Channel substrate	GP	GP	GP	S1	S1	S1	S1	S1	S1	S1
Substrate shape	ON	ON	ON	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	SM	SM	SM	NP	NP	NP	NP	NP
Channel bank	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel form	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK STRUCTURE**

Material	EA	GS	GA	EA	EA	EA	EA	EA	EA	EA
Bank mode	NO	NO	NO	NO	RS	RS	RS	RS	RS	RS
Bank form	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**P. BANKTOP, LAND USE AND VEGETATION STRUCTURE** (to be recorded over a 10m wide transect)

Land use: choose one from M, CP, CR, GR, SC, PI, RP, RL, PL, DR, SU

LAND USE WITHIN 5m OF BANK TOP (L)	1G	K	1G	1G	1G	1G	1G	1G	1G
LEFT BANK TOP (structure within 1m) BUNSC	C	C	S	S	C	S	U	U	U
LEFT BANK FACE (structure) BUNSC	S	U	S	S	S	S	S	U	S
RIGHT BANK FACE (structure) BUNSC	S	B	S	U	S	S	S	U	S
RIGHT BANK TOP (structure within 1m) BUNSC	U	U	U	U	S	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	1G	1G	1G	1G	1G	1G	1G	1G	1G

**VEGETATION**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens									
Emerg broad leaved herbs									
Emerg reeds/sedges/rushes									
Flowering leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad leaved									
Submerged fine-leaved									
Filamentous algae									

**RTR NO. 6371**

**VEGETATION**

Broadleaved woodland (BL)			Rough pasture (RP)				
Orchard plantation (OP)			Improved/meat improved grass (IG)				
Orchard (OR)			Tilled land (TL)				
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)				
Scrub (SC)			Open water (OW)				
Tall herbs' reed vegetation (TH)			Suburban/urban development (SU)				

**NATURAL/ARTIFICIAL**

Natural/woodcut			Artificial/modified				
Vertical + low			Reinforced - whole bank				
Steep (>45°)			Reinforced - top only				
Grass			Reinforced - toe only				
Concrete			Artificial two-stage				
			Punctured				
			Embanked				
			Sci back embankments				

**TREES (tick one box per bank)**

None	Left	Right	Shading of channel	None	Percent B (2.11%)
Inclined/vertical			Overhanging branches		
Regularly spaced, single			Exposed buttress roots		
Occasional clumps			Underwater tree roots		
Semi-coniferous			Faded trees		
Coniferous			Current woody debris		

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present	None	Present	None	Present	None	Present
Marginal deadwater			Exposed bedrock				
Exposed bedrock			Exposed boulders				
Unvegetated mid channel bar(s)			Unvegetated side bar(s)				
Vegetated mid channel bar(s)			Moisture upland(s)				
Unvegetated side bar(s)			Vegetated side bar(s)				

Indicate predominant flow sequence (select up to three features): ; ; - > <

**RIVER QUALITY SURVEY DIMENSIONAL SURVEY (RIVER SPOT CHECKS)**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	3.50	RIGHT BANK	Banktop width (m)	1.0
Banktop height (m)	Water width (m)	1.70	Banktop height (m)	Water width (m)	0.20
Embanked height (m)	Water depth (m)	0.20	Embanked height (m)	Water depth (m)	

If embankment lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION**

None  Number of Culverts =  Width =  Outfalls =  Fords =   
 Number of Footbridges =  Roadbridges =  Other =

Is water impounded by weir/barrage? No  Yes, < 11% of site  > 11% of site

**CHANNEL MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? State:

**NATURE OF SITE**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (Habit)  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pea  Fresh

Is 11% or more of the channel choked with vegetation? NO  YES

**NOTES**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nordic Rhododendron structure

**MAJOR IMPACTS**: banktop - tipping - litter - sewage - pollution - drought - obstruction - spill - dam - road - rail - industry - burning - mining - quarrying - overgrazing - afforestation - fisheries management - other? =

**LAND MANAGEMENT**: set-back - buffer strip - bankline - abandoned land - parkland - MoD - other? =

**ANIMALS**: ants - snail - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

**OTHER SIGNIFICANT OBSERVATIONS**: Small amount of vegetation near spot-check area  
None of the 10 1m AT 10 1m 2m

**ALLOW?** None  Present  Extensive  Disturbed Allow? None  Present  Extensive

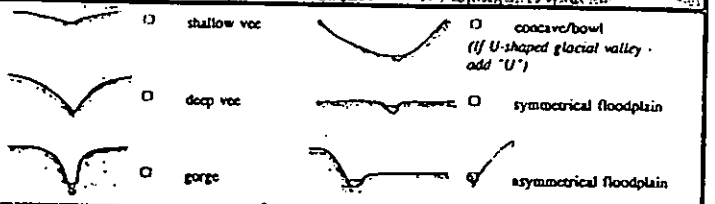
**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) \_\_\_\_\_ Slope (m/m) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Plantform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? NO  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 637C  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_  
 Grid Reference: \_\_\_\_\_ River: ARKW BROOK  
 Date: 1.16.1996 Time: 15:04 Surveyor name: DUNCAN Accreditation code: PF27  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. CHANNEL FORMS, POINT BARS AND POINT BANKS**  
 Riffles 11 Unvegetated point bars 1  
 Pools 6 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO:  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

SITE NO. 637C

	L	R		L	R
Brackish/marsh wetland (BL)	<u>E</u>	<u>E</u>	Rough pasture (RP)		
Coarse siltation (CP)			Improved/marsh improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moortland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ reed vegetation (TH)		<u>✓</u>	Suburban/urban development (SU)	<u>E</u>	<u>✓</u>

Natural/naturalised	L	R	Artificial/modified	L	R
Vertical/moderate	<u>2</u>	<u>2</u>	Recessional		
Vertical + toe		<u>✓</u>	Reinforced - whole bank	<u>2</u>	<u>✓</u>
Steep (>45°)		<u>✓</u>	Reinforced - top only		
Geotile			Reinforced - toe only		
Composite			Artificial two-stage		
			Punched	<u>✓</u>	<u>✓</u>
			Embanked		
			Soft lock construction		

**TREES (tick one box per bank)**

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/> <input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/> <input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/> <input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/> <input checked="" type="checkbox"/>
Social continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/> <input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/> <input checked="" type="checkbox"/>

	None	Present		None	Present
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal downwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cracks(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapids(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffles(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bars(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boils(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature islands(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): R/Rc - Run

**E. TALLY (see form) for - Riffles, Pools, Unveg. side bars, Veg point bars**

Spot check 1 to: upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material	BR	BE	GR	PR	EA	EA	EA	FA	EA	EA
Bank modification(s)	RI	NO	RE	RE	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	CO	PE	PE	SP	NO	ST	SE	SE	SM	GP
Substrate slope	CU	NA	NA	SQ	NA	NA	NA	NA	NA	EST
Flow type	SM	RP	SM	RP	SM	NP	SM	SM	SM	CP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**P. BANKTOP LAND USE AND VEGETATION STRUCTURES (tick appropriate box in 10m wide transect)**

LAND USE WITHIN 5m OF BANKTOP (L)	S1A	S1U	S1S	S1B	S1M	S1L	S1BL	S1BL	S1BL
LEFT BANK TOP (structure within 1m)	B	C	C	S	S	C	C	U	C
LEFT BANK FACE (structure)	U	U	U	S	U	U	S	U	C
RIGHT BANK FACE (structure)	U	U	U	B	B	S	S	U	B
RIGHT BANK TOP (structure within 1m)	S	S	S	U	S	S	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	B	B	TH	TH	TH	BL	TH	BL	BL

**PLANT GENERA - see form 5**

	1	2	3	4	5	6	7	8	9	10
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/mosses										
Emergent broad-leaved herbs										
Emergent rush/sedge/reeds										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Submersive algae										

**F. CHANNEL DIMENSIONS AND BANKS**

LEFT BANK	Backstop width (m)	<u>3.5</u>	RIGHT BANK	
Backstop height (m)	Water width (m)	<u>2.0</u>	Backstop height (m)	<u>0.1</u>
Embanked height (m)	Water depth (m)	<u>0.03</u>	Embanked height (m)	

If bedlines lower than backstop bank in slope, indicate: height (m) = \_\_\_\_\_ width(m) = \_\_\_\_\_  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chalkstone   
 Location of measurement is: riffle  run or glide  other  (tick one box)  
**ARTIFICIAL FEATURES**  
 None  Number of Culverts = 0 Weirs = 3 Outfalls = 2 Fords = 0  
 Footbridges = 0 Rambridges = 1 Other = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**REQUIREMENTS FOR ENVIRONMENTAL IMPROVEMENT**  
 Name:  Dredging  Moving  Wood-cutting   
 Enhancement  Other: Stake  
**CHARACTERISTICS OF CHANNEL VEGETATION**  
 None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braked/side channels  Natural open water  Can   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

Is 33% or more of the channel choked with vegetation? NO  YES   
**CHARACTERISTICS OF CHANNEL VEGETATION**  
 None  Giant Hogweed  Hemlock Salween  Japanese Knotweed  Other: Narrow-leaved/round-leaved  
 Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - spill - dam (see form 5) industry - mining - mining - quarrying - over-deepening - afforestation - fisheries management - silting - other: \_\_\_\_\_  
 Land Management: set aside (buffer strip)  bonded - abandoned land - parkland  M&D - other? \_\_\_\_\_  
 Animals: otter - mink - water vole - Kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly  
 Other significant observations: mining spoil - some of the spoil is covered with a thin layer of vegetation - some of the spoil is covered with a thin layer of vegetation - some of the spoil is covered with a thin layer of vegetation  
 Address:  None  Present  Extensive  Channel Address: None  Present  Extensive

1996 RIVER HABITAT SURVEY WITH IFE FORMS FOR PLANNERS AND FIELDING. Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation? *NO*  
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: *6373*  
 Mid-size grid reference of network site if different from designated location:

Grid Reference: River: *THORNTON BROOK*  
 Date: *16/1996* Time: *135* Surveyor name: *Duncan* Accreditation code: *PF27*

Adverse conditions affecting survey? No  Yes  If yes, state: .....

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/bowl  
 (If U-shaped glacial valley - add 'U')

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBERS OF RIFLES, POOLS AND POINT BARS (tick one box only)

Rifles: *3* Unvegetated point bars:   
 Pools:  Vegetated point bars:

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DANSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

SITE NO. *6373* RIVER HABITAT SURVEY WITH IFE FORMS FOR PLANNERS AND FIELDING. Page 2 of 4

MAINTENANCE AND ASSOCIATED FEATURES

TRERS (tick one box per bank)

	L	R		L	R
Brush/matted woodland (BL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Rough pasture (RP)	<input type="checkbox"/>	<input type="checkbox"/>
Coniferous plantation (CP)	<input type="checkbox"/>	<input type="checkbox"/>	Improved/semi improved grass (IG)	<input type="checkbox"/>	<input type="checkbox"/>
Orchard (OR)	<input type="checkbox"/>	<input type="checkbox"/>	Filled land (FL)	<input type="checkbox"/>	<input type="checkbox"/>
Moorland/heath (MH)	<input type="checkbox"/>	<input type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input type="checkbox"/>	<input type="checkbox"/>
Scrub (SC)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Open water (OW)	<input type="checkbox"/>	<input type="checkbox"/>
Tall herbs - tall vegetation (TH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

Natural/meadowed	L	R	Artificial/meadowed	L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical - toe	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input type="checkbox"/>
Steep (>45°)	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Castle	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
Composite	<input type="checkbox"/>	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
			Poached	<input type="checkbox"/>	<input type="checkbox"/>
			Embedded	<input type="checkbox"/>	<input type="checkbox"/>
			Soil bank embankments	<input type="checkbox"/>	<input type="checkbox"/>

TRERS (tick one box per bank)

None	Left	Right	Shading of channel	None	Present E (>1%)
Isolated/watered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overlapping boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, slight	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (>1%)
Caesoid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Choke(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): *Blue-Riffle*

RIVER HABITAT SURVEY WITH IFE FORMS FOR PLANNERS AND FIELDING. Page 3 of 4

VALLEY (use IFE) for: Rifles  Pools  Unveg. side bars  Veg point bars

4 check 1 list: upstream  downstream

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate slope	OV	OV	OV	OV	OV	OV	OV	OV	OV	OV
Bed modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK: TICK IF FUNCTIONAL

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

P BANKTOP ONLY USE AND VEGETATION STRUCTURE

USE WITHIN 5m OF BANKTOP (L)

TH	TH	TH	TH	TH	SC	TH	TH	TH	TH
----	----	----	----	----	----	----	----	----	----

LEFT BANK TOP (structure within 1m) BANSK

S	U	U	U	U	C	S	U	U	U
---	---	---	---	---	---	---	---	---	---

T BANK FACE (structure)

B	B	B	B	B	U	S	U	U	U
---	---	---	---	---	---	---	---	---	---

T BANK FACE (structure)

B	B	B	B	B	S	U	U	U	U
---	---	---	---	---	---	---	---	---	---

T BANK TOP (structure within 1m) BANSK

S	C	C	C	C	S	C	U	U	U
---	---	---	---	---	---	---	---	---	---

LAND USE WITHIN 5m OF BANK TOP (L)

TH	TH	TH	TH	TH	SC	TH	TH	TH	TH
----	----	----	----	----	----	----	----	----	----

PLANT GENERA - list first 5

	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
--	-------------------------------------	-------------------------------------	-------------------------------------	-------------------------------------	-------------------------------------	--	--	--	--

Energy broad-leaved herbs

	<input checked="" type="checkbox"/>								
--	-------------------------------------	--	--	--	--	--	--	--	--

Wood/woody debris

	<input checked="" type="checkbox"/>								
--	-------------------------------------	--	--	--	--	--	--	--	--

Grass (mowed)

--	--	--	--	--	--	--	--	--	--

Other

--	--	--	--	--	--	--	--	--	--

Submerged broad-leaved

--	--	--	--	--	--	--	--	--	--

Grass (natural)

--	--	--	--	--	--	--	--	--	--

Other

--	--	--	--	--	--	--	--	--	--

Animals

Other significant observations:

Address: None  Present  Extensive  Damaged Address: None  Present  Extensive

RIVER HABITAT SURVEY WITH IFE FORMS FOR PLANNERS AND FIELDING. Page 4 of 4

MAINTENANCE AND ASSOCIATED FEATURES

LEFT BANK

Banktop width (m)	<i>1.5</i>	RIGHT BANK	<i>1.5</i>
Banktop height (m)	<i>0.5</i>	Banktop height (m)	<i>0.5</i>
Embedded height (m)	<i>0.16</i>	Embedded height (m)	<i>X</i>

Water width (m) *0.5* Water depth (m) *0.16*

If embankment lower than banktop break in slope, indicate: height (m) = *X* width (m) = *X*

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

MAINTENANCE AND ASSOCIATED FEATURES

None  Number of Culverts = *1* Weirs = *0* Roadbridges = *0* Outfalls = *8* Ponds = *0*  
 Footbridges = *0* Roundbridges = *0* Other = *0*

Is water impounded by weirs? No  Yes, <1% of site  >1% of site

MAINTENANCE AND ASSOCIATED FEATURES

None  Dredging  Moving  Wood cutting   
 Enhancement  Other? Stone

MAINTENANCE AND ASSOCIATED FEATURES

None  Artificial open water  Bog  Other (state) ..  
 Bricket/side channels  Natural open water  Catt   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pea  Flush

MAINTENANCE AND ASSOCIATED FEATURES

Is 1% or more of the channel choked with vegetation? NO  YES

MAINTENANCE AND ASSOCIATED FEATURES

None  Glan Haywood  Himalayan Balsam  Japanese Knotweed  Other?  Rhododendron bracts

MAINTENANCE AND ASSOCIATED FEATURES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry -  
 housing - mining - quarrying - overtopping - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - broadland - abandoned land - parkland - MoD - other? =

Animals: other - mink - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonfly/damselfly

Other significant observations:

Address: None  Present  Extensive  Damaged Address: None  Present  Extensive

1996 RIVER HABITAT SURVEY AND MONITORING FOR PLANT SPECIES AND FACIES Page 1 of 4

### A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (1m) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? **NO**  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

### B. FIELD SURVEY DETAILS

Reference network site number: **6374**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: **PRESCOTT BROOK**  
 Date: **2.6.1996** Time: **10:23** Surveyor name: **DUNN** Accreditation code: **PF21**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

### C. DOMINANT VALLEY FORM

shallow vcc  concave/bowl   
 (If U-shaped glacial valley - add 'U')

deep vcc  symmetrical floodplain   
 slope  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

### D. NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles: **3** Uegetated point bars: **0**  
 Pools: **0** Vegetated point bars: **0**

SEND COMPLETED FORMS WEEKLY Plus all water samples and laboratory claims TO  
 H. DAWSON, IFE, RIVER LABORATORY, EAST STREET, WAREHAM, BH20 6BB

SITE NO: \_\_\_\_\_

### E. CHANNEL CHARACTERISTICS

	L	R		L	R
Brick/wooden weirs (BW)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coarsestoned (CP)			Improved/semi-improved grass (IG)		
Overland (OA)			Filled lead (FL)		
Moortland/hoath (MH)			Weald (eg bog, scrub, low) (WL)		<input checked="" type="checkbox"/>
Sand (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

### F. CHANNEL VEGETATION AND ASSOCIATED FEATURES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed		
Vertical - top			Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Patched		
			Embanked		
			Set back constraints		

### G. TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

None	Left	Right	None	Present E (2.11%)
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clump	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>
			Coarse woody debris	<input checked="" type="checkbox"/>

### H. CHANNEL VEGETATION AND ASSOCIATED FEATURES

Waterfall(s)	None	Present E	Marginal ditch/weir	None	Present E (2.11%)
Caused(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Uegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Channel(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Uegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **Glide**

### I. CHANNEL CHARACTERISTICS

TALLY (see 2.1) for Riffles  Pools  Ueveg. side bars  Veg point bars

Spot check 1 is: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material (W, M, S, G, L, D, O, C, P, R, B, N, V, D, S, L, F, H, G, A, E, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	EA	EA	GA	JA	GA	GA	GA	CC	CC	GA
Bank modification(s)	NO	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	SC	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SA	SA	CL	CO	SA	SA	SA	SA	SA	SA
Channel slope	NA	NA	NI	TR	RE	NA	NA	NA	NA	NA
Flow type	SM	SM	RP	UV	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### J. BANKTOP USES AND VEGETATION

LAND USE WITHIN 5m OF BANKTOP (L)

BL	TH	SU	SU	SU	SU	SU	SU	SU	IG
LEFT BANK-TOP (structure within 1m) BANKC	S	S	B	B	R	B	B	B	B
LEFT BANK FACE (structure) BANKC	U	S	B	B	U	S	U	B	R
RIGHT BANK FACE (structure) BANKC	U	S	B	B	U	S	U	B	R
RIGHT BANK-TOP (structure within 1m) BANKC	S	S	B	B	B	B	B	B	B
LAND USE WITHIN 5m OF BANKTOP (R)	R	TH	IG	IG	IG	SU	SU	SU	IG

### K. PLANT SPECIES AND FACIES

NONE  PLANT SPECIES - see form 5

Bryophytes/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent broad-leaved herbs									
Emergent reed/rush/cyperus									
Emergent sedge									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerged fine-leaved									
Submerged sedge									

### L. CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	<b>3.20</b>	RIGHT BANK	Banktop width (m)	<b>3.20</b>
Banktop height (m)	Water width (m)	<b>3.20</b>	Banktop height (m)	Water depth (m)	<b>0.08</b>
Embanked height (m)			Embanked height (m)		

If waterline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material of site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

### M. CHANNEL VEGETATION AND ASSOCIATED FEATURES

None  Number of Obverts = **1** Weirs = **0** Outfalls = **0** Fords = **0**  
 Footbridges = **0** Roadbridges = **1** Other = **0**

Is water impounded by weirs? No  Yes, <33% of site  >33% of site

### N. CHANNEL VEGETATION AND ASSOCIATED FEATURES

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other  State (2, 3, 4, 5, 6, 7, 8, 9, 10)

### O. CHANNEL VEGETATION AND ASSOCIATED FEATURES

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Brackish/salt channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fan  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

### P. CHANNEL VEGETATION AND ASSOCIATED FEATURES

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (state)

### Q. CHANNEL VEGETATION AND ASSOCIATED FEATURES

Major impacts: landfill - tipping - litter - sewage -  drainage - drought - obstruction - mill - dam -  rail industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - siting - other? \_\_\_\_\_

Land Management: set aside - after mow - woodland - abandoned land - parkland - MoD - other? \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dry stone/damification

Other significant observations: \_\_\_\_\_

Notes: \_\_\_\_\_

Alert? None  Present  Extensive  Overlooked Alerts? None  Present  Extensive



**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6381  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: River Noe  
 Date: 5/5/1996 Time: 17:15 Surveyor name: HO Accreditation code: 1F7  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (Indicate total number)**

Riffles: (1) Unvegetated point bars  
 Pools: (5) Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DARSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

TALLY (use 50% for riffles) Points HH Unveg side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is upstream  downstream  2 3 4 5 6 7 8 9 10

**LEFT BANK TICK if fractional focus** *Plane note*

Material W, M, S, C, G, L, P, R, D, CC, SF, CP, CA, B, UR, BV BE EA EABE EA  
 Bank modification(s) W, M, S, R, P, C, B, M, EN NO NO NO NO  
 Bank feature(s) W, M, EC, SC, P, R, VP, SB, VS NO NO NO NO SB

**CHANNEL** NEW W, M, S, C, G, L, P, R, D, CC, SF, CP, CA, B, UR, BV CO BE CO BE BE  
 Channel substrate W, M, S, C, G, L, P, R, D, CC, SF, CP, CA, B, UR, BV FL, OF, EL, SF, CU, PO, B, O, DM, -  
 Substrate shape FL, OF, EL, SF, CU, PO, B, O, DM, - FL FL FL  
 Flow type FL, OF, EL, SF, CU, PO, B, O, DM, - RP SM RP SM CH  
 Channel modification(s) W, M, S, R, P, C, B, M, EN NO NO NO NO  
 Channel feature(s) W, M, S, R, P, C, B, M, EN NO NO NO NO

**RIGHT BANK TICK if fractional focus**

Material W, M, S, C, G, L, P, R, D, CC, SF, CP, CA, B, UR, BV EA EA EA EA  
 Bank modification(s) W, M, S, R, P, C, B, M, EN NO NO NO NO  
 Bank feature(s) W, M, S, R, P, C, B, M, EN NO NO NO NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use (choose one from BL, CP, DR, NH, SC, TH, RD, FL, WL, OW, SU)

LAND USE WITHIN 5m of BANKTOP (L) IG BL BL BL IG  
 LEFT BANK TOP (structure within 1m) BU/SC V S C S S  
 LEFT BANK FACE (structure) BU/SC B S S S U  
 RIGHT BANK FACE (structure) BU/SC S S S S B  
 RIGHT BANK TOP (structure within 1m) BU/SC C S S S S  
 LAND USE WITHIN 5m of BANK TOP (R) BL BL BL BL RP

**G CHANNEL VEGETATION TYPES (10m wide transect; E (2-33% area) or tick (presence) 500% cover)**

NONE  PLANT GENERA - list first 5

Bryophytes/licheens  1 1 1 1 1  
 Emerging broad leaved herbs Hydrocotyle  
 Emerging reeds/sedges/rushes  
 Floating leaved (rooted)  
 Free floating  
 Amphibious  
 Submerged broad leaved  
 Submerged fin-linear leaved  
 Filamentous algae

refs to 250m of site ↑

**H LAND USE WITHIN 5m OF BANKTOP (Use E (2-33% area) or tick (presence) 500% cover)**

Broadleaved woodland (BL)	L	R	Rough pasture (RP)	L	R
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OM)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' reed vegetation (TH)			Suburban/urban development (SU)		

**I CHANNEL CHARACTERISTICS (Indicate total number)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/medium	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed	<input type="checkbox"/>	<input type="checkbox"/>
Vertical + toe	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Deep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
Coarsene	<input type="checkbox"/>	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
			Poached	<input type="checkbox"/>	<input type="checkbox"/>
			Embanked	<input type="checkbox"/>	<input type="checkbox"/>
			Set-back embankments	<input type="checkbox"/>	<input type="checkbox"/>

**J EXTENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2-33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clump	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**K CHANNEL CHARACTERISTICS (tick one box)**

Waterfall(s)	None <input checked="" type="checkbox"/>	Present <input type="checkbox"/>	Marginal dead-water	None <input type="checkbox"/>	Present E (2-33%) <input checked="" type="checkbox"/>
Channel(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Step/pool

**L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	<u>6 M</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>5.6 M</u>	Banktop height (m)	<u>0.4 M</u>
Embanked height (m)	Water depth (m)	<u>0.35 M</u>	Embanked height (m)	

If transect lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chalk/stone

Location of measurement is: riffle  run or glide  other  (tick one box)

**M CHANNEL FEATURES (Indicate total number)**

None  Number of Culverts = 1 Weirs = 1 Outfalls = 0 Fords = 0  
 Footbridges = 1 Roundbridges = 0 Other = 0

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**N EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other? (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q NOTABLE NUISANCE PLANT SPECIES (Use D or E (2-33% height)) - IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**R GENERAL CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage pollution - drought - abstraction - mill - dam (wood - run) - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - golfing - other? = \_\_\_\_\_

Land Management: set-back - buffer strip - bedload - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: None - just bridges  
Collect in upper half of site water samples  
much more natural - almost downstream 1/2 of site seems quite natural

**S ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Disposed Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and focusing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 4382  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: River Nbe  
 Date 16.1.1996 Time: 9:50 Surveyor name: A.D. Accreditation code: P.F.F.  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:  
 D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number):  
 Riffles: NONE Unvegetated point bars:  
 Pools: NONE Vegetated point bars:

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TBN SPOT CHECKS Page 2 of 4

TAJ LLY (use Jifs) for: Riffles Pools Unveg. side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only**

Spot check 1 m upstream  downstream

	1	2	3	4	5	6	7	8	9	10
Material <sup>WV, NE, NO, CO, CE, EA, PE, CE, CP, SP, GP, GA, BR, BP</sup>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>NE, NO, RS, RP, PC, BN, EN</sup>	NO	PC	PC	NO	NO	NO	PC	NO	NO	NO
Bank feature(s) <sup>WV, NO, EC, SC, PB, SP, SV, SV</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL** NEW? Substrate shape codes <sup>FL, OV, EL, SP, CU, PD, H, DWH, -</sup>

	1	2	3	4	5	6	7	8	9	10
Channel substrate <sup>WV, BE, NO, CO, GP, SA, DL, PL, AR</sup>	NV	NV	CO	CO	NV	NV	NV	NV	NV	GP
Substrate shape	FL	OV	EL	SP	CU	PD	H	DWH	-	-
Flow type <sup>FF, CH, SW, LW, CP, UP, SP, SH, PD</sup>	RP	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) <sup>WV, NO, RS, RP, PC, BN, EN</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <sup>WV, NO, EC, SC, PB, SP, SV, SV</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK** TICK if functional focus

	1	2	3	4	5	6	7	8	9	10
Material <sup>WV, NE, NO, CO, CE, EA, PE, CE, CP, SP, GP, GA, BR, BP</sup>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>NE, NO, RS, RP, PC, BN, EN</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <sup>WV, NO, EC, SC, PB, SP, SV, SV</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**P BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, DR, WH, SC, TH, RP, IG, FL, WT, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) <sup>BL, SC, WH, CP, DR, TH, RP, IG, FL, WT, OW, SU</sup>	S	B	S	U	U	U	S	S	U	U
LEFT BANK FACE (structure) <sup>BL, SC, WH, CP, DR, TH, RP, IG, FL, WT, OW, SU</sup>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) <sup>BL, SC, WH, CP, DR, TH, RP, IG, FL, WT, OW, SU</sup>	C	C	S	S	C	C	C	S	S	S
RIGHT BANK-TOP (structure within 1m) <sup>BL, SC, WH, CP, DR, TH, RP, IG, FL, WT, OW, SU</sup>	U	S	C	C	C	C	C	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	Jh	Jh	RL	RL	RL	RL	RL	RL	Jh	Jh

**Q CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% bank) or tick (precise) 50cm transect)**

NONE / PLANT GENERA - list first 5

	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/bulrushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY: 500m SWEEP UP Page 3 of 4

**R LAND USE WITHIN 50m OF BANKTOP (tick if ≥ 33% banktop or tick (precise) 50cm transect)**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved grass (IG)	E	
Orchard (OR)			Thick hed (TH)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs / tall vegetation (TH)			Suburban/urban development (SU)		

**S ARTIFICIAL FEATURES (tick if ≥ 33% banktop or tick (precise) 50cm transect)**

Natural/semi-nat	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Geotic			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**T EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per bank)**

TREES	None	LeA	Right	ASSOCIATED FEATURES	None	Present E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-conscious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**U VEGETATION CHARACTERISTICS (tick appropriate box(es))**

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (≥ 33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Channel(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ran(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Manure island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): 6/16

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**V CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	25m	RIGHT BANK	
Banktop height (m)	Water width (m) approx 0.7m	25m	Banktop height (m)	0.75m
Embanked height (m)	Water depth (m)	?	Embanked height (m)	

If readings lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Locations of measurement is: riffle  run or glide  other  (tick one box)

**W ARTIFICIAL FEATURES (tick appropriate box(es))**

None  Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =  
 Footbridges =  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**X EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State

**Y FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Big  Other (state)  
 Brushed/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fca  Flood

**Z CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**AA NOTABLE NUISANCE PLANT SPECIES (tick appropriate box(es))** IFE note LARGE STANDS of others eg

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**BB VEGETATION CHARACTERISTICS (circle appropriate words, add others as necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - hagfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations:  
 Max flow velocity in 1990  
 fast rate - moderate probably gravel/cobbles, with a heavy layer of silt on top of substrate

**AC ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Disused Alders? None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6385  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Aston Brook  
 Date: 18/5/1996 Time: 5 PM Surveyor name: G. H. Harris Accreditation code: PF36

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM** (tick one box only)

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles  U unvegetated point bars   
 Pools  Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WARRERAM, BR10 6BB

**SITE NO.**

	L	R		L	R
Broadleaf/mixed woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Open water (OW)		
Tall herb/ meadow vegetation (TH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Suburban/urban development (SU)		

Natural/semi-modified	L	R	Artificial/modified	L	R
Vertical/undrains	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed		<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Slope (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Grade	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage		
			Poached		
			Embanked		
			Soil bank embankments		

**TREES** (tick one box per bank)

None	Left	Right	ASSOCIATED FEATURES	None	Present	% (2/3/5)
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Felled trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
			Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

**WATERFALLS**

Waterfall(s)	None	Present	Marginal deadwater	None	Present	% (2/3/5)
Caused(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	
Rapids(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Riffles(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Ram(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Trill(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Man-made island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Obide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Indicate predominant flow sequence (select up to three features): GLIDE

**CHANNEL CHARACTERISTICS SURVEY - SPOT CHECKS**

check 1 in upstream  downstream

	1	2	3	4	5	6	7	8	9	10
Material in channel (tick one box per cell)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	CL	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate slope	/	IR	IR	FL	FL	FL	FL	FL	FL	FL
Channel feature(s)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel feature(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LEFT BANK**

TL	TL	TH	TL	TH	SC	SC	TH	TL	TL
S	C	S	S	S	C	S	S	S	S
S	S	C	S	S	S	S	S	S	S
S	S	S	S	S	S	S	S	S	C
S	S	S	C	S	C	S	C	C	C

**RIGHT BANK**

TL	TL	TH	TL	TH	SC	SC	TH	TL	TL
S	C	S	S	S	C	S	S	S	S
S	S	C	S	S	S	S	S	S	S
S	S	S	S	S	S	S	S	S	C
S	S	S	C	S	C	S	C	C	C

**PLANT OVERLAP - list first 3**

yes/where										
Emergent broad-leaved herbs	/	/	/	/	/	/	/	/	/	/
Emergent narrow-leaved herbs	/	/	/	/	/	/	/	/	/	/
Submerged broad-leaved	/	/	/	/	/	/	/	/	/	/
Submerged narrow-leaved	/	/	/	/	/	/	/	/	/	/
Emergent algae	/	/	/	/	/	/	/	/	/	/

**CHANNEL DIMENSIONS AND BENCH MARKS**

LEFT BANK	Backstop width (m)	<u>6.0</u>	RIGHT BANK		
Backstop height (m)	<u>2.0</u>	Water width (m)	<u>2.0</u>	Backstop height (m)	<u>2.0</u>
Embanked height (m)		Water depth (m)	<u>0.05</u>	Embanked height (m)	

If embankment lower than backstop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL VEGETATION**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = 2 Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Rambridges = \_\_\_\_\_  
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**CHANNEL VEGETATION**

None  Drifting  Mowing  Weed cutting   
 Enhancement  Other? State \_\_\_\_\_

**CHANNEL VEGETATION**

None	<input checked="" type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Bog	<input type="checkbox"/>	Other (state) _____
Waterfalls > 5m high	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Carr	<input type="checkbox"/>	
Braked/side channels	<input type="checkbox"/>	Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>	
Debris dams	<input type="checkbox"/>	Fen	<input type="checkbox"/>	Flush	<input type="checkbox"/>	

Is 33% or more of the channel choked with vegetation? No  Yes

**CHANNEL VEGETATION**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? North Eubothodendron bracteata

**MAJOR IMPACTS**

landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? = \_\_\_\_\_

**LAND MANAGEMENT**

riparian - buffer strip - bankside - abandoned land - parkland - MoD - other? = \_\_\_\_\_

**ANIMALS**

other - mist - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

**OTHER SIGNIFICANT OBSERVATIONS**

Algae? None  Present  Extensive  Diatoms? None  Present  Extensive

**BACKGROUND MAP BASED INFORMATION**

Altitude (m) Slope (m/m) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

Reference network site number: **6386**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: **61855** River: **---**  
 Date **18.6.1996** Time: **3:30 PM** Surveyor name **L. Harris** Accreditation code **PF36**

Adverse conditions affecting survey? No  Yes  If yes, state **---**

Bed of river visible? No  partially  entirely  (tick one box)

IFE single (photograph: general character?) No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM** (tick one box only)

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 P. B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 4BS

**WATER QUALITY SURVEY ADDITIONAL INFORMATION**

**WATER QUALITY SURVEY**

Broads/mixed woodcut (BL)	L	R	E	L	R
Coniferous plantation (CP)					
Orchard (OR)				E	
Moorland/bomb (MH)					
Scrub (SC)					
Tall herbs' seed vegetation (TH)					
Natural/unmodified	L	R		L	R
Vertical/horizontal				E	E
Vertical + toe					
Slope (>45°)					
Grade					
Composite					

**TREES** (tick one box per bank)

None	Left	Right	None	Percent E (2.1/5)
Isolated/wooded			Shading of channel	0
Regularly spaced, single			Overhanging boughs	0
Occasional clumps			Exposed bankside roots	0
Semi-continuous			Underwater tree roots	0
Continuous			Fallen trees	0
			Course woody debris	0

**ASSOCIATED FEATURES** (tick one box per feature)

Waterfall(s)	None	Percent E	Marginal deadwood	None	Percent E (2.1/5)
Overbank(s)	0	0	Exposed bedrock	0	0
Rapids(s)	0	0	Exposed boulders	0	0
Riffle(s)	0	0	Unvegetated mid-channel bar(s)	0	0
Run(s)	0	0	Vegetated mid-channel bar(s)	0	0
Bank(s)	0	0	Mature island(s)	0	0
Ohole(s)	0	0	Unvegetated side bar(s)	0	0
Pool(s)	0	0	Vegetated side bar(s)	0	0

Indicate predominant flow sequence (select up to three features): **GLIDE**

**WATER QUALITY SURVEY ADDITIONAL INFORMATION**

**WATER QUALITY SURVEY**

Spot check 1 is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
Material (M) (A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M) (A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S)	RS	RS	RS	RS	RS	RS	RS	RS	NO	RS
Bank feature(s) (M) (A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S)	NO	NO	NO	NO	SB	SB	NO	VS	SB	NO
Channel substrate (M) (A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S)	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape (M) (A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S)	/	/	/	/	/	/	/	/	/	/
Flow type (M) (A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S)	SM	SM	SM	SM	SM	SM	RP	SM	SM	SM
Channel modification(s) (M) (A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S)	RS	RS	RS	RS	RS	RS	RS	NO	RS	NO
Channel feature(s) (M) (A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK VEGETATION** (tick one box per feature)

Material (M) (A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M) (A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S)	RS	RS	RS	RS	RS	RS	RS	RS	NO	RS
Bank feature(s) (M) (A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Land use: choose one from M, CP, OR, MH, SC, TH, SP, RL, EL, ML, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TH	TH	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) (M) (A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S)	C	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure) (M) (A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S)	C	B	S	C	C	S	S	S	S	S
RIGHT BANK FACE (structure) (M) (A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S)	C	S	C	C	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) (M) (A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S)	C	S	C	C	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	SC	OW	SC	IG

**PLANT GENERA** - list first 5

None	/	/	/	/	/	/	/	/	/	E
Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent reed/cyperus/rushes										
Floating-leaved (rooted)										
Fresh-water										
Amphibious										
Submerged broad-leaved										
Submerged leafy-stemmed										
Filamentous algae										

**WATER QUALITY SURVEY ADDITIONAL INFORMATION**

**WATER QUALITY SURVEY**

**CHANNEL DIMENSIONS** (tick one box per feature)

LEFT BANK	Banktop width (m)	5.0	RIGHT BANK	Banktop width (m)	5.0
Banktop height (m)	1.0	Water width (m)	2.5	Banktop height (m)	1.0
Embedded height (m)		Water depth (m)	0.07	Embedded height (m)	

If gradient lower than banktop break to slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: d/t/s  run or glide  other  (tick one box)

**CHANNEL VEGETATION**

None	Number of	Overbars =	Wires =	Outfalls =	Fuels =
		Footbridges = 2	Roadbridges =	Other =	

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**CHANNEL VEGETATION**

None	Dredging	Mowing	Weed-cutting
	Enhancement	Other? State	

**CHANNEL VEGETATION**

None	Artificial open water	Bag	Other (state)
Brinded/side channels	Natural open water	Can	
Debris dams	Water meadow	Mud	
Leafy debris	Ree	Flush	

Is 33% or more of the channel channel with vegetation? NO  YES

**CHANNEL VEGETATION**

None	Quail Harvest	Eleuthera Balm	Japanese Knotweed	Other? Note Rhododendron truckee
------	---------------	----------------	-------------------	----------------------------------

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - other

Land Management: wet side - buffer strip - banked - abandoned land - parkland - M&D - other =

Animals: snail - eel - water vole - kingfisher - dipper - grey heron - mud martin - heron - dragonfly/damselfly

Other significant observations: Pleasant rec'd consider even though banks & channel extremely restricted

WATER QUALITY SURVEY

Alkali? None  Present  Extensive  Discard Alkali? None  Present  Extensive

1996 RIVER HABITAT SURVEY WITH IFF CODES FOR PLANT GENERA AND FENCING Page 1 of 4

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6388  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Trent

Date 3/6/1996 Time: 12:00 Surveyor name SL Accreditation code: CF48

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl  
 (If U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE VALLEY FORM NOTES:

**NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 D.H. DANSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS

TALLY (see IFF) for - Riffles Pools Unveg. side bars Veg point bars

**HYDROLOGICAL ATTRIBUTES (to be assessed every channel profile > 1m wide (stream))**

Spot check 1 in upstream  downstream

Spot check	1	2	3	4	5	6	7	8	9	10
Material	RR	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank condition(s)	RR	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL CHARACTERISTICS (to be assessed every channel profile > 1m wide (stream))**

Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIFPLE BANK (to be assessed every channel profile > 1m wide (stream))**

Material	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIVER BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed every > 10m wide (stream))**

Land use: choose one from RL, CL, OR, HR, SC, TH, RP, PL, FL, OW, LW

LAND USE WITHIN 5m OF BANKTOP (L)	1G	2F	3G	4G	5G	6F	7G	8F	9G	10G
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	G	G	G	G	G	G	G	G
RIGHT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	1G	2F	3G	4G	5G	6F	7G	8F	9G	10G

**PLANT GENERA (list first 5)**

MONS	PLANT GENERA	list first 5	✓	✓	✓	✓	✓	✓	✓	✓
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Fern-floating										
Aquatic										
Submerged broad-leaved										
Submerg floatless-leaved										
Filamentous algae										

IB NO. 6388 RIVER HABITAT SURVEY - SWEEP

**SWEEP DATA**

SWEEP	L	R	SWEEP	L	R
undisturbed woodland (U)			Rough pasture (RP)		
diverse plantation (P)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tiled roof (TL)		
orchard/haugh (OH)			Wetland (eg bog, marsh, fen) (WL)		
h (H)			Open water (OW)		
herbs/semi-vegetation (HO)			Suburban/urban development (SU)		

**ARTIFICIAL FEATURES**

unaltered	L	R	Artificial/modified	L	R
scab/scoured			Recessed		
...and + ...			Reinforced - whole bank	E	E
Deep (>4.5)	E	E	Reinforced - top only		
...			Reinforced - toe only		
potholes			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments	E	E

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional change	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATERBODIES**

Waterbodies	None	Present E (%)	Waterbodies	None	Present E (%)
Current(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

state predominant flow sequence (select up to three features): Run

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCE

**CHANNEL DIMENSIONS (to be assessed every channel profile > 1m wide (stream))**

LEFT BANK	Banktop width (m)	45 <th>RIGHT BANK</th> <td></td>	RIGHT BANK		
Banktop height (m)	1.0	Water width (m)	40	Banktop height (m)	1.0
Embanked height (m)		Water depth (m)	NK	Embanked height (m)	

If bankline lower than banktop break its slope, indicate: height (m) = width (m) =

Bed material at site is: cross-bedded (compact)  unconsolidated (loose)  unknown

Location of measurement in: riffle  run or glide  other  (tick one box)

**CHANNEL FEATURES (to be assessed every channel profile > 1m wide (stream))**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridge = Roadbridge = Other =

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RECENT MANAGEMENT (to be assessed every channel profile > 1m wide (stream))**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? State:

**FEATURES OF SPECIAL INTEREST (to be assessed every channel profile > 1m wide (stream))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Brackish/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Peat  Flush

**CHANNEL CHANNEL (to be assessed every channel profile > 1m wide (stream))**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE PLANT GENERA (to be assessed every channel profile > 1m wide (stream))**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  Rhododendron bractea

**ADVERSE CHARACTERISTICS (to be assessed every channel profile > 1m wide (stream))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries - game - peat - silt - other, etc.

Lead Management: set-back - buffer strip - bedload - abandoned load - partition - MoD - other =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations:  
This river is tidal!!! No comment.

**CHANNEL BANK (to be assessed every channel profile > 1m wide (stream))**

Absent? None  Present  Extensive  Disturbed Alders? None  Present  Extensive

**1996 RIVER HABITAT SURVEY WITH IFE CODES for plant genera and faecology** Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6384  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: Till  
 Date: 1/6/1996 Time: 9:10 Surveyor name: JSL Accreditation code: PF43

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 2 Unvegetated point bars \_\_\_\_\_  
 Pools 2 Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS** Page 2 of 4

TALLY (see PIN) for - Riffles Pools Unveg. side bars Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide transect)**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK: TACK if functional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL: NEW substrate shape code(s)	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Channel substrate	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	NP	SM	NG	SM	SM	NP	NO	NO	NO	NO
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: TACK if functional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TH, AP, NG, TL, WL, OM, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK TOP (structure within 1m)	BU	S	S	S	S	B	B	U	S	U
LEFT BANK FACE (structure)	BU	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	BU	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m)	U	G	G	B	B	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

**G. CHANNEL VEGETATION TYPES (tick appropriate)**

NONE  PLANT GENERA - list first 5 \_\_\_\_\_

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedge/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

**1996 RIVER HABITAT SURVEY - SWEEP SURVEY** Page 3 of 4

SITE NO. 6384

**H. LAND USE WITHIN 5m OF BANKTOP (L & R)**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs / rank vegetation (TH)			Suburban/urban development (SU)		

**I. CHANNEL VEGETATION TYPES (tick appropriate)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undisturbed			Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**J. PRESENT OF TREES AND ASSOCIATED FEATURES (tick one box per bank/feature)**

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E (≥33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-contiguous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**K. EXTENT OF CHANNEL POINTEURS (tick one box per feature)**

	None	Present E (≥25%)		None	Present E (≥25%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Race(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Box(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marsh island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): No flow

**1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES** Page 4 of 4

**L. CHANGED DIMENSIONS (to be assessed at one site on a straight section, preferably between riffles)**

LEFT BANK	Banktop width (m)	3-4	RIGHT BANK	
Banktop height (m)	Water width (m)	0-4	Banktop height (m)	2-3
Embanked height (m)	Water depth (m)	NA	Embanked height (m)	

If transition lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M. ARTIFICIAL FEATURES (tick appropriate)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**N. EVIDENCE OF RECENT MANAGEMENT (tick appropriate)**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**O. FEATURES OF SPECIAL INTEREST (tick appropriate)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P. CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q. NOTABLE NUISANCE PLANT SPECIES (tick appropriate)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? None Rhododendron bracken

**R. MAJOR IMPACTS (tick appropriate)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-deepening - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-aside - buffer strip - broadland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: RS decrease channel width, no flow through pool, form tree

**S. ALDERS (tick appropriate)**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive



**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary?	Navigation?
Height of source (m)	Water Quality Class	

**B. FIELD SURVEY DETAILS**

Reference network site number: 6390

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Anchorage

Date 11/6/1996 Time: 10:20 Surveyor name: W.E. Accreditation code: AF43

Adverse conditions affecting survey? No  Yes  If yes, state:


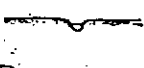

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
(duplicate will be made by scanning)

and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

<input type="checkbox"/> shallow vee		<input type="checkbox"/> concave/bowl (if U-shaped glacial valley - add 'U')
<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

**TALLY (use IFE) for:** Riffles Pools Unveg. side bars Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK: Material <u>WV, BL, NO, CO, CL, SL, PL, G, CC, SP, W, CA, M, AA, BV</u>	CL	CL	CL	CL	CL	CL	EA	EA	EA	EA
Bank modification(s) <u>W, NO, AS, R, FC, M, EN</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>W, NO, AS, R, FC, M, EN</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL: Substrate <u>WV, BL, NO, CO, CL, SL, PL, G, CC, SP, W, CA, M, AA, BV</u>	CL	CL	CL	GP	EL	CL	GP	RP	SA	GP
Substrate shape <u>FL, OV, EL, SP, CU, PO, B, O, WH, ...</u>	NA	NA	NA	NA	NA	NA	IR	NA	NA	IR
Flow type <u>FL, CR, W, V, CF, RP, CF, RP, SH, RP, NO</u>	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s) <u>W, NO, CV, AS, R, DA, FO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>W, NO, AS, R, FC, M, EN</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: Material <u>WV, BL, NO, CO, CL, SL, PL, G, CC, SP, W, CA, M, AA, BV</u>	CL	CL	CL	CL	CL	EA	EA	EA	EA	EA
Bank modification(s) <u>W, NO, AS, R, FC, M, EN</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>W, NO, AS, R, FC, M, EN</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, WH, SC, TH, RP, NO, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	IG	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK-TOP (structure within 1m) <u>BRUSC</u>	S	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <u>BRUSC</u>	B	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) <u>BRUSC</u>	B	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) <u>BRUSC</u>	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	U	TH	TH	TH	TH	TH	TH	TH	TH	TH

**G. CHANNEL VEGETATION TYPES (10m wide transect) - (tick one box only)**

NONE	PLANT GENERA - list first 5
Bryophytes/lichens	
Emerg broad-leaved herbs	
Emerg reeds/sedges/rushes	
Floating-leaved (rooted)	
Free-floating	
Amphibious	
Submerged broad-leaved	
Submerg fine/linear-leaved	
Filamentous algae	

E.N.O. 6390 1996 RIVER HABITAT SURVEY: 300M SWEEP

**LAND USE WITHIN 5m OF BANKTOP**

Woodland (W)	Grassland (G)	Improved/semi-improved grass (IG)	Arable (A)	Urban (U)	Road (R)
Orchard (OR)	Wetland (W)	Wetland (eg bog, marsh, fen) (WL)	Open water (OW)	Suburban/urban development (SU)	

**CHANNEL VEGETATION TYPES**

cal/unmodified	L	R	Artificial/modified	L	R
cal/wooded			Recessed		
cal + bar			Reinforced - whole bank		
Slope (>45)			Reinforced - top only		
sc			Reinforced - toe only		
scite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

**PREVALENCE OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	ASSOCIATED FEATURES (tick one box per feature)
None	Shading of channel
Isolated/scattered	Overhanging boughs
Regularly spaced, single	Exposed bankside roots
Occasional clumps	Underwater tree roots
Semi-continuous	Fallen trees
Continuous	Coarse woody debris

**CHARACTERISTICS OF CHANNEL FEATURES**

Waterfall(s)	None <input type="checkbox"/> Present <input type="checkbox"/>	Large boulders - localized - none <input type="checkbox"/> Present <input type="checkbox"/> E (>33%)
Cascade(s)	None <input type="checkbox"/> Present <input type="checkbox"/>	Marginal deadwater
Rapid(s)	None <input type="checkbox"/> Present <input type="checkbox"/>	Exposed boulders
Riffle(s)	None <input type="checkbox"/> Present <input type="checkbox"/>	Exposed boulders
Ran(s)	None <input type="checkbox"/> Present <input type="checkbox"/>	Unvegetated mid-channel bar(s)
Boil(s)	None <input type="checkbox"/> Present <input type="checkbox"/>	Vegetated mid-channel bar(s)
Obide(s)	None <input type="checkbox"/> Present <input type="checkbox"/>	Mature island(s)
Pool(s)	None <input type="checkbox"/> Present <input type="checkbox"/>	Unvegetated side bar(s)
		Vegetated side bar(s)

state predominant flow sequence (select up to three features): RB

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 3 of 4

**CHANNEL DIMENSIONS (at a point of interest - usually a riffle, pool, or other feature)**

LEFT BANK	Banktop width (m)	<u>2.35</u>	RIGHT BANK	Banktop width (m)	<u>2.35</u>
Banktop height (m)	Water width (m)	<u>0.7</u>	Banktop height (m)	Water width (m)	<u>0.7</u>
Embanked height (m)	Water depth (m)	<u>0.46</u>	Embanked height (m)	Water depth (m)	<u>0.46</u>

If transect lower than banktop break in slope, indicate: height (m) =      width (m) =     

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURAL FEATURES (at a point of interest - usually a riffle, pool, or other feature)**

None  Number of Culverts =      Weirs =      Outfalls =      Fords =     

Footbridges =      Roadbridges =      Other =     

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood-cutting

Enhancement  Other? State:     

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)     

Braided/side channels  Natural open water  Carr

Debris dams  Water meadow  Marsh

Leafy debris  Fen  Flush

**CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE NUISANCE PLANT SPECIES (tick one box(es))** IFE also LARGE STANDS of other of

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle/Rhododendron bracken

**OVERALL CHARACTERISTICS (tick one box)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - afforestation - fisheries management - siting - other? =     

Land Management: set-aside - buffer strip - hedland - abandoned land - parkland - MoD - other? =     

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations:     

**ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A. BACKGROUND, MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6391  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Brimmed Beck  
 Date: 11.6.1996 Time: 11.50 Surveyor name: JUL Accreditation code: PF43

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 1 Unvegetated point bars 1  
 Pools 1 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE) for: Riffles Pools Unveg. side bars Veg point bars

**H. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) (tick one only)**

Spot check 1 is: upstream  downstream

LEFT BANK	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL	ST	GO	SL	NY	NY	SE	SE	SE	GP	GP
Channel substrate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Substrate shape	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	SI	SI	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RL, CP, OR, NH, SC, TH, RP, RG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) BUI/SIC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BUI/SIC	U	B	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BUI/SIC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) BUI/SIC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	CG	CG	CG	CG	CG	CG	CG	CG	CG	CG

**G. CHANNEL VEGETATION TYPES (tick appropriate box(es))**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Flowering leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY: 500m SWEEP SURVEY Page 1 of 4

SITE NO. 6391

**A. CHANNEL DIMENSIONS (to be measured on one side of the channel within a 10m transect)**

LEFT BANK	Banktop width (m)	<u>3.0</u>	RIGHT BANK	Banktop width (m)	<u>1.2</u>
Banktop height (m)	Water width (m)	<u>0.35</u>	Banktop height (m)	Water depth (m)	<u>1.2</u>
Embanked height (m)	Water depth (m)	<u>1.2</u>	Embanked height (m)		

If transect lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**B. PHYSICAL ATTRIBUTES (indicate total number of tick appropriate box(es))**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**C. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State \_\_\_\_\_

**D. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foss  Flush

**E. CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**F. NOTABLE NUISANCE PLANT SPECIES (tick appropriate box(es))**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nearly Rhododendron bracken

**G. RIVER CHANNEL CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - afforestation - fisheries management - mining - other? = \_\_\_\_\_

Land Management: wet-side - buffer strip - headland - abandoned land - partition - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wail - sand martin - heron - dragonflies/damselflies

Other significant observations: dry stream - mostly agricultural land

**H. ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY: 500m SWEEP SURVEY Page 2 of 4

**A. CHANNEL DIMENSIONS (to be measured on one side of the channel within a 10m transect)**

LEFT BANK	Banktop width (m)	<u>3.0</u>	RIGHT BANK	Banktop width (m)	<u>1.2</u>
Banktop height (m)	Water width (m)	<u>0.35</u>	Banktop height (m)	Water depth (m)	<u>1.2</u>
Embanked height (m)	Water depth (m)	<u>1.2</u>	Embanked height (m)		

If transect lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**B. PHYSICAL ATTRIBUTES (indicate total number of tick appropriate box(es))**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**C. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State \_\_\_\_\_

**D. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foss  Flush

**E. CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**F. NOTABLE NUISANCE PLANT SPECIES (tick appropriate box(es))**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nearly Rhododendron bracken

**G. RIVER CHANNEL CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - afforestation - fisheries management - mining - other? = \_\_\_\_\_

Land Management: wet-side - buffer strip - headland - abandoned land - partition - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wail - sand martin - heron - dragonflies/damselflies

Other significant observations: dry stream - mostly agricultural land

**H. ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

Indicate predominant flow sequence (select up to three features): No flow

1996 RIVER HABITAT SURVEY with MODS for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6392 \* photo shows 6393 X  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: \_\_\_\_\_  
 Date: 24.5.1996 Time: 11:50 Surveyor name: P. Bennett Accreditation code: PF35  
 Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph general character? No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add '1')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIPPLES, POOLS, POINT BARS? (indicate total number)**

Ripples 2 Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and e-samples claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, RH20 0RR

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TABLE (use only for riffles) Pools Unveg. side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transect) 1 = good, 5 = poor only**

Year check 1 is upstream	June stream	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK TICEK if functional fence</b>											
Material (M, B, CO, CS, FA, FC, FE, FF, GG, HH, II, JJ, KK, LL, MM, NN, OO, PP, QQ, RR, SS, TT, UU, VV, WW, XX, YY, ZZ)		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL SLOPE</b>											
Channel substrate (S, B, CO, CS, FA, FC, FE, FF, GG, HH, II, JJ, KK, LL, MM, NN, OO, PP, QQ, RR, SS, TT, UU, VV, WW, XX, YY, ZZ)		S	R	R	S	S	S	S	S	S	S
Substrate shape (S, B, CO, CS, FA, FC, FE, FF, GG, HH, II, JJ, KK, LL, MM, NN, OO, PP, QQ, RR, SS, TT, UU, VV, WW, XX, YY, ZZ)		NA	IR	IR	MA	MA	MA	MA	NA	IR	NA
Flow type (F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)		SM	RP	SM	SM	SM	SM	SM	RP	RP	RP
Channel modification(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK TICEK if functional fence</b>											
Material (M, B, CO, CS, FA, FC, FE, FF, GG, HH, II, JJ, KK, LL, MM, NN, OO, PP, QQ, RR, SS, TT, UU, VV, WW, XX, YY, ZZ)		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)</b>											
Land use choose one from BL, CL, CR, DL, EL, FL, GL, HL, IL, JL, KL, LL, ML, NL, OL, PL, QL, RL, SL, TL, UL, VL, WL, XL, YL, ZL											
<b>LAND USE WITHIN 5m OF BANKTOP (L)</b>											
LEFT BANK - TOP (structure within 1m) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)		U	U	U	U	U	U	U	U	U	U
LEFT BANK - FACE (structure) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)		S	S	S	S	S	S	S	S	S	S
RIGHT BANK - FACE (structure) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)		S	S	S	S	S	S	S	S	S	S
RIGHT BANK - TOP (structure within 1m) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)		S	S	S	S	S	S	S	S	S	S
<b>LAND USE WITHIN 5m OF BANKTOP (R)</b>											
LEFT BANK - TOP (structure within 1m) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)		U	U	U	U	U	U	U	U	U	U
LEFT BANK - FACE (structure) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)		S	S	S	S	S	S	S	S	S	S
RIGHT BANK - FACE (structure) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)		S	S	S	S	S	S	S	S	S	S
RIGHT BANK - TOP (structure within 1m) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)		S	S	S	S	S	S	S	S	S	S
<b>G CHANNEL VEGETATION (tick one box only)</b>											
NONE <input type="checkbox"/> PLANT GENERA list first 5											
Bryophytes/lichens <input type="checkbox"/>											
Emerg broad leaved herbs <input checked="" type="checkbox"/>											
Emerg reeds/sedges/rushes <input checked="" type="checkbox"/>											
Floating leaved (rooted) <input type="checkbox"/>											
Free-floating <input type="checkbox"/>											
Amphibious <input type="checkbox"/>											
Submerged broad leaved <input type="checkbox"/>											
Submerged fine/linear leaved <input type="checkbox"/>											
Filamentous algae <input type="checkbox"/>											

SITE NO. 6392

**H HABITAT SURVEY - CHANNEL VEGETATION**

	L	R		L	R
Broadleaved/mixed woodland (BL)		E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' reed vegetation (TR)			Suburban/urban development (SU)		

**I CHANNEL VEGETATION (tick one box only)**

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	2	2	Recessed		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gravel			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

**J CHANNEL VEGETATION AND SOIL AND BANK FEATURES**

**TRILLS (tick one box per bank)**

	None	Left	Right		None	Present E (≥ 1%)
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater stem roots	<input type="checkbox"/>	<input type="checkbox"/>
Scrub continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**K CHANNEL VEGETATION AND SOIL AND BANK FEATURES**

	None	Present E (≥ 1%)		None	Present E (≥ 1%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Concave(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES

**L CHANNEL DIMENSIONS**

	LEFT BANK	Banktop width (m)	2-3	RIGHT BANK
Banktop height (m)	0.25	Water width (m)	2.5	Banktop height (m)
Embanked height (m)		Water depth (m)	0.25	Embanked height (m)

If waterline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M PHYSICAL ATTRIBUTES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Overfalls = \_\_\_\_\_ Fords = \_\_\_\_\_

Is water impounded by overfalls? No  Yes, <33% of site  >33% of site

**N CHANNEL VEGETATION**

None  Dredging  Moving  Wood cutting

Establishment  Other? Stone

**O CHANNEL VEGETATION**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_

Broadleaved channels  Natural open water  Carr

Diurnal dams  Water meadow  Marsh

Leafy debris  Fen  Flush

**P CHANNEL VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**R CHANNEL VEGETATION**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fabric management - siting - other? = \_\_\_\_\_

Land Management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: other - mist - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: 2 lateral sections 100m north of site  
1.3 mile north of station and downstream  
half the width of the river and bank (12m) is covered

Alters? None  Present  Extensive  Disturbed Alters? None  Present  Extensive



1996 RIVER HABITAT SURVEY WITH MODS FOR PLANT GENERA AND CHANNEL TYPE 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: **6394**

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **great cav**

Date: **4.5.1996** Time: **17:25** Surveyor name: **P. Lusk** Accreditation code: **PF 35**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph - general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add "U")   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate location)**

Riffles | Unvegetated point bars  
 Pools | Vegetated point bars

END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 R. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAKERAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE) for Riffles Pools Unveg side bars Veg point bars

**II. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - 1 = once every 10m**

Spot check 1 is upstream (U) downstream (D)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TYPICAL (tick if functional)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material (M) (M1-M10)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M1-M10)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s) (M1-M10)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel substrate (S) (S1-S10)	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Substrate shape (S) (S1-S10)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type (F) (F1-F10)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) (M1-M10)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) (M1-M10)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TYPICAL (tick if functional)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material (M) (M1-M10)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M1-M10)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s) (M1-M10)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use (choose one from RL, CF, DR, MH, SC, FL, RP, SI, DI, DW, DS)

LAND USE WITHIN 5m OF BANKTOP (L)	1G	1A	1B	1C	1D	1E	1F	1G	1H	1I	1J
LEFT BANK TOP (structure within 1m) (L1-L10)	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) (L1-L10)	S	S	U	U	S	S	U	U	U	U	U
RIGHT BANK FACE (structure) (R1-R10)	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) (R1-R10)	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	1G	1A	1B	1C	1D	1E	1F	1G	1H	1I	1J

**G. CHANNEL VEGETATION TYPES (tick one box)**

NONE / PLANT GENERA - list first 5

Plant Genus	1	2	3	4	5	6	7	8	9	10
Bryophytes/Lichens										
Emergent broad-leaved herbs										
Emergent reeds/scirpus/rubus										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerged fine-leaved										
Filamentous algae										

SITE NO. **6394**

**LAND USE WITHIN 5m OF BANKTOP (L)**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs / reed vegetation (TH)			Suburban/urban development (SU)		

**Natural/unmodified** | **Artificial/modified**

	L	R		L	R
Vertical/woodcut			Reinforced	E	E
Vertical + tie			Reinforced - whole bank		
Sharp (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embedded	E	E
			Set back embankments		

**TRILES (tick one box per bank)**

	Left	Right		None	Present E (> 1%)
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Under-water tree roots		
Semi continuous			Fallen trees		
Continuous			Coarse woody debris		

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Present E (> 1%)
Marginal dead-water		
Exposed bedrock		
Exposed boulders		
Unvegetated mid channel bar(s)		
Vegetated mid channel bar(s)		
Mature island(s)		
Unvegetated side bar(s)		
Vegetated side bar(s)		

**WATERFALLS**

	None	Present E (> 1%)
Waterfall(s)		
Cascade(s)		
Rapid(s)		
Riffle(s)		
Rack(s)		
Bank(s)		
Slide(s)		
Pool(s)		

Indicate predominant flow sequence (select up to three features):

1996 RIVER HABITAT SURVEY DIMENSIONS AND CHANNEL VEGETATION

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	12.00	RIGHT BANK
Banking height (m)	Water width (m)	6.00	Banktop height (m)
Embankment height (m)	Water depth (m)	0.15	Embankment height (m)
			2.0

If (banking lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL VEGETATION**

None  Number of Culverts =  Weirs =  Roadbridges =  Outfalls =  Fords =   
 Footbridges =  Other =

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF RECENT CHANNEL VEGETATION**

None  Dredging  Moving  Wood cutting   
 Embankment  Other? State:

**CHARACTERISTICS OF SPECIAL SITES (tick one box)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Broad/rope channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Run  Flush

**CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**NON-TYPICAL CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**MAJOR IMPACTS**

landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - siltation - other? =

Land Management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - musk - water vole - kingfisher - dipper - grey wagtail - sand martin (none) dragonfly/damselfly

Other significant observations: natural silt - extensive mudflats (embanked - signs of fairly recent dredging on banks, open water in 2 small channels on either side of river)

Alters? None  Present  Extensive  Diseased Alders? None  Present  Extensive

very little  
 lots in gorges, open  
 including and parallel  
 to the embankments, leading

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

Reference network site number: **6395**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: **SH 335725** River: **No Name**  
 Date: **15.5.1996** Time: **10.00** Surveyor name: **N. Nicholson** Accreditation code: **PF64**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:  
 Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

**PHYSICAL ATTRIBUTES**

Sp. chord 1 or upstream  downstream  Point: \_\_\_\_\_ Using side bars: \_\_\_\_\_ Veg panel bars: \_\_\_\_\_

Material	FA	GA	SA	CL	CA	PA	NV	GS	RS
Bank modification(s)	NO	N1	N2	N3	N4	N5	N6	N7	N8
Bank feature(s)	NO	N1	N2	N3	N4	N5	N6	N7	N8
Channel substrate	SA	SA	SA	SP	GP	SA	GP	NV	GP
Channel shape	NA	NA	N/A	CV	OV	N/A	PA	N/A	IR
Sub-type	IT	IT	IT	IT	IT	IT	IT	IT	IT
Channel modification(s)	NO	N1	N2	N3	N4	N5	N6	N7	N8
Channel feature(s)	NO	N1	N2	N3	N4	N5	N6	N7	N8

**RIGHT BANK - VEGETATION STRUCTURE (tick one box only)**

Material	GS	F	CL	CL	CL	CL	CL	NV	GS
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**BANKTOP LAND USE AND VEGETATION STRUCTURE (tick one box only)**

Land use: choose one from BL, CP, OR, NH, SC, TH, RP, IG, FL, ME, OW, TU

LAND USE WITHIN 5m OF BANKTOP (L)	SH	IG	IG	IG	IG	IG	RP	RP	IG	IG
LEFT BANK-TOP (structure within 1m) BANKSC	S	S	C	C	S	S	S	S	U	B
LEFT BANK FACE (structure) BANKSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BANKSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BANKSC	U	S	U	C	S	C	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	IG	IG	IG	IG	IG	IG	IG	SC	IG

**PLANT GENERA - list first 5**

None					
Bryophytes/lichens					
Emerg broad-leaved herbs					
Emerg reeds/sedges/rushes					
Flowering leaved (ground)					
Free-floating					
Amphibious					
Submerged broad-leaved					
Submerged fine-leaved					
Filamentous algae					

RTE NO. **6395**

Bracken/brake woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Macroturbid (MU)			Wetland (eg bog, marsh, fen) (W)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/UNMODIFIED**

Vertical/wedged			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Paired		
			Embanked		
			So-back embankments		

**TREES (tick one box per bank)**

None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None	Percent E (2.5%)
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scam continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Canoe woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Marginal ditch/bank	<input type="checkbox"/>	<input type="checkbox"/>	None	Percent E (2.5%)
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>		
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>		
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>		
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>		
Mud/silt island(s)	<input type="checkbox"/>	<input type="checkbox"/>		
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>		
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>		

Indicate predominant flow sequence (select up to three features): \_\_\_\_\_

**CHANNEL DIMENSIONS AND DRAINAGE**

LEFT BANK	Banktop width (m)	4.20	RIGHT BANK	
Banktop height (m)	Water width (m)	2.75	Banktop height (m)	0.9
Embanked height (m)	Water depth (m)	0.10	Embanked height (m)	

If bankline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Outcrops

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_

Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**VEGETATION MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? Bank

**VEGETATION CHARACTERISTICS**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brackish/salt channels  Natural open water  Carr   
 Debris dams  Water meadows  Marsh   
 Leafy debris  Fens  Flank

**PERIOD PLANNED**

Is 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION MANAGEMENT**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**VEGETATION MANAGEMENT**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - spill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? \_\_\_\_\_

Land Management: as wide - buffer strip - bankland - shoreland - bankland - pull-out - MoD - other? \_\_\_\_\_

Animals: otter - eel - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: \_\_\_\_\_

Altitude: None  Present  Extensive  Outlined Altitude: None  Present  Extensive



**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: **6396**

Mid-site grid reference of network site (if differs from designated location):

Grid Reference: **S4449765** River: **CCRN**

Date: **15/11/1996** Time: **12:40** Surveyor name: **H. Harrison** Accreditation code: **PF54**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. DOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl  
 (if U-shaped glacial valley - add "U")

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles: **7** Unvegetated point bars: **0**

Pools: **0** Vegetated point bars: **2**

**END COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAKEMAN, BRNO 608**

**TALLY (see Def) for - Riffles  Pools**

**HYDROLOGICAL ATTRIBUTES (tick one box only)**

Spine check 1 = upstream  downstream

Material	SA	GA	OH	BR	CL	SA	GI	FR	GA	SA
Bank works/face(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL CHARACTERISTICS**

Channel substrate	SA	BS	NV	BL	CO	GP	CO	CO	CO	CR
Substrate shape	N/A	FL	NA	IR	OV	FL	PO	PO	OV	PO
Form	SM	SM	SM	CH	RP	SM	SM	SM	RP	SM

**RIGHT BANK - ZITOK (if functional feature)**

Material	SA	GA	NV	BR	CL	SA	GI	FR	GA	SA
Bank works/face(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**PLANT AND VEGETATION STRUCTURE (tick one box only)**

Land use: choose one from BL, CL, CR, GA, OH, BR, CL, SA, GI, FR, GA, SA

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RD	WL	SU	BL	BL	WL	WL	WL	RP
LEFT BANK-TOP (structure within 1m) ANSIC	5	4	5	8	5	5	5	5	5	4
LEFT BANK FACE (structure) ANSIC	4	4	4	5	5	5	5	5	5	4
RIGHT BANK FACE (structure) ANSIC	4	5	5	5	5	5	5	5	5	4
RIGHT BANK-TOP (structure within 1m) ANSIC	4	5	5	5	5	5	5	5	5	4
LAND USE WITHIN 5m OF BANK TOP (R)	4	2	6	BL	RP	4	RP	RP	RP	RP

**PLANT GENERA - list first 5**

Bryophytes/liverworts	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent broad-leaved herbs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent reed/sedge/rushes	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating-leaved (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aquatic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged fine-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SITE NO. 6396**

**VEGETATION SURVEY**

	L	R		L	R
Broad/leafed wetland (BL)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)	<input type="checkbox"/>	<input type="checkbox"/>
Coniferous plantation (CP)	<input type="checkbox"/>	<input type="checkbox"/>	Improved/local improved grass (IG)	<input type="checkbox"/>	<input type="checkbox"/>
Orchard (OR)	<input type="checkbox"/>	<input type="checkbox"/>	Tiled land (TL)	<input type="checkbox"/>	<input type="checkbox"/>
Meadow/heath (MH)	<input type="checkbox"/>	<input type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub (SC)	<input type="checkbox"/>	<input type="checkbox"/>	Open water (OW)	<input type="checkbox"/>	<input type="checkbox"/>
Tall herb sward vegetation (TH)	<input type="checkbox"/>	<input type="checkbox"/>	Suburban/urban development (SU)	<input type="checkbox"/>	<input type="checkbox"/>

**NATURAL/ARTIFICIAL**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/terraced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Excavated	<input type="checkbox"/>	<input type="checkbox"/>
Vertical + toe	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input type="checkbox"/>
Slope (>45°)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Grade	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
Composite	<input type="checkbox"/>	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
			Pratched	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input type="checkbox"/>	<input type="checkbox"/>
			Set back embankments	<input type="checkbox"/>	<input type="checkbox"/>

**TREES (tick one box per bank)**

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2-11%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fine trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATERBODIES**

	None	Present E		None	Present E (2-11%)
Waterbodies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal shrubbery	<input type="checkbox"/>	<input type="checkbox"/>
Carriageways	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapids	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffles	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Runs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bars	<input type="checkbox"/>	<input type="checkbox"/>	Natural island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oxbow	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pools	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **RPB Run - L/R**

**VEGETATION SURVEY - DIMENSIONS AND FEATURES**

**VEGETATION DIMENSIONS**

LEFT BANK	Banking width (m)	Banking height (m)	Water width (m)	Water depth (m)	RIGHT BANK	Banking height (m)	Embankment height (m)
	4.65	2.9	2.9	0.1	1.0		

If banking lower than banking level in slope, indicate: height (m) = width (m) =

Bed material at site is: unconsolidated (coarse)  unconsolidated (fine)  Chertstone

Location of measurement is: riffle  run or glide  other  (tick one box)

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Ponds = 0  
 Footbridges = 0 Other = 0  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**VEGETATION FEATURES**

None  Dredging  Mowing  Weed-cutting   
 Embankment  Other? Stone

**VEGETATION CHARACTERISTICS**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Briddled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Run  Flush

Is 11% or more of the channel choked with vegetation? NO  YES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? *North Rhododendron fraxinea*

Major impacts: landfill - tipping - sewer - sewage - pollution - drainage - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - effluent/effluent - fisheries management - mining - other? -

Land Management: set-back - buffer strip - broadcast - abandoned land - parkland - MoD - other? -

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: **Small white cattle pen/enclosure seen within site!**  
**Small white cattle pen/enclosure seen within site!**

Address: None  Present  Extensive  Disused Address? None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**DESIGNATED SURVEY DETAILS**

Reference network site number: 6397  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SH 524 730 River: BRANT  
 Date: 15.5.1996 Time: 15.40 Surveyor name: M. NICKELSON Accreditation code: PF 64

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph - general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles 6 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. N. DAWSON, IFE, RIVER LABORATORY, EAST STOLEE, WAKEHAM, SH20 688

**CHANNEL HABITAT SURVEY SPOT CHECK**

FALLEN (see IFE) for - Riffles  Pools  Unveg side bars  Veg point bars

**1. PHYSICAL ATTRIBUTES (tick one box per channel section)**

Spot check (tick appropriate)	1	2	3	4	5	6	7	8	9	10
Material (see also CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ)	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Bank modifications (see also AS, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ)	PC	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features (see also BS, BT, BU, BV, BW, BX, BY, BZ)	NO	NO	EC	NO	NO	SC	SC	SC	SC	NO
Channel substrate (see also CS, CT, CU, CV, CW, CX, CY, CZ)	CO	CO	CO	CO	CP	CA	CO	CA	CP	CP
Substrate shape (see also SS, ST, SU, SV, SW, SX, SY, SZ)	PO	PC	PO	PO	PL	NA	PO	NA	PL	PO
Flow type (see also FS, FT, FU, FV, FW, FX, FY, FZ)	FP	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel bank features (see also BS, BT, BU, BV, BW, BX, BY, BZ)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features (see also CS, CT, CU, CV, CW, CX, CY, CZ)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b> (TICK if occasional feature)										
Material (see also MS, MT, MU, MV, MW, MX, MY, MZ)	CA	BO	CA	CA	CA	BO	CA	BO	CA	CA
Bank modifications (see also AS, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ)	PC	NO	NO	NO	PC	NO	NO	NO	NO	NO
Bank features (see also BS, BT, BU, BV, BW, BX, BY, BZ)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**2. BANKTOP, LAND USE AND VEGETATION STRUCTURE (to be assessed every 100m down channel)**

Land use, choose one from BL, CL, DL, EL, FL, GL, HL, IL, JI, KI, LI, MI, NI, OI, PI, QI, RI, SI, TI, UI, VI, WI, XI, YI, ZI

LAND USE WITHIN 5m OF BANKTOP (L)	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
LEFT BANK TOP (structure within 1m) BAUSC	S	C	E	S	S	C	S	S	S	S
LEFT BANK FACE (structure) BAUSC	U	B	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	U	B	C	S	B	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BAUSC	S	U	U	U	U	C	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G

**3. VEGETATION (tick one box per channel section)**

NONE  PLANT GENERA - list first 5

Bryophytes/liverworts	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent broad-leaved herbs (e.g. Najas)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent reed/sedge/rushes (e.g. Phragmites)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Floating leaved (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Frag-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aquatic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Submerged fine-leaved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Filamentous algae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SITE NO. 6397**

**4. CHANNEL DIVISIONS (tick one box per channel section)**

	L	R		L	R
Broad/linear woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/local improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**5. CHANNEL DIVISIONS (tick one box per channel section)**

Material/embankment	L	R	Artificial/modified	L	R
Vertical/undrained	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rationalised		
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank		
Slope (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Grate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage		
			Pitched		<input checked="" type="checkbox"/>
			Embedded		<input checked="" type="checkbox"/>
			Set back construction		<input checked="" type="checkbox"/>

**6. TREES (tick one box per bank)**

	None	Left	Right	None	Present E (% 2.2%)
Near	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**7. ASSOCIATED FEATURES (tick one box per feature)**

	None	Present E (% 2.2%)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**8. CHANNEL DIVISIONS (tick one box per channel section)**

	None	Present E (% 2.2%)
Marginal dead-water	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Mixed island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Right - 20% - 60% - 20%

**CHANNEL DIVISIONS (tick one box per channel section)**

LEFT BANK	Banktop width (m)	4.4	RIGHT BANK
Banktop height (m)	Bank width (m)	5.5	Banktop height (m)
Embankment height (m)	Water depth (m)	2.05	Embankment height (m)

If embankment lower than banktop level in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  (tick one box)

Location of measurement is: riffle  run or glide  other  (tick one box)

**9. CHANNEL DIVISIONS (tick one box per channel section)**

None  Number of Culverts = 1  Weirs = 0  Outfalls = 0  Piers = 0   
 Footbridges = 0  Rambridges = 1  Other = 0

Is water impounded by weirs/bars? No  Yes, < 11% of site  > 11% of site

**10. CHANNEL DIVISIONS (tick one box per channel section)**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: .....

**11. CHANNEL DIVISIONS (tick one box per channel section)**

None  Artificial open water  Bog  Other (state)   
 Branded/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**12. CHANNEL DIVISIONS (tick one box per channel section)**

Is 11% or more of the channel choked with vegetation? NO  YES

**13. CHANNEL DIVISIONS (tick one box per channel section)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name: *Rubus fruticosus*

**14. CHANNEL DIVISIONS (tick one box per channel section)**

Major impacts: flood  silt  tapping  litter  sewage  pollution  drought  abstraction  mill  dam  road  rail  industry   
 mining  quarrying  overgrazing  afforestation  fisheries management  silting  other = .....

Land Management: as wide  buffer strip  banked  abandoned land  parkland  MoD  other = .....

Animals: otter  mink  water vole  crayfish  dipper  grey wagtail  sand martin  heron  dragonfly/damselfly

Other - pollution observations: Small amount of sewage sludge

**15. CHANNEL DIVISIONS (tick one box per channel section)**

None  Present  Extensive  Disturbed Aborn? None  Present  Extensive



**BACKGROUND MATERIAL AND INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: **6399**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: **S1574771** River: **No Name**  
 Date: **20.5.1996** Time: **1730** Surveyor name: **M.H. COLSON** Accreditation code: **F64**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph, general character? No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. DOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Tornard valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles **40** Unvegetated point bars **22**  
 Pools **0** Vegetated point bars **1**

SEND COMPLETED FORMS WEEKLY plus all water samples and expresses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH10 6BE

**RIVER QUALITY SURVEY DIMENSIONS AND ANNOTATIONS**

TALLY (see key for - Riffles, Pools, etc.)

Spot check 1 is upstream	1	2	3	4	5	6	7	8	9	10
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**LEFT BANK**

Material	CA	CL	BL	EA	FA	GA	SA	EA	FA	GA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SB	SB	SB	SA	SA	SA	SA	SA	SA	SA

**RIGHT BANK**

Material	CA	CL	BL	EA	FA	GA	SA	EA	FA	GA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE WITHIN 5m OF BANKTOP (L)**

LEFT BANK-TOP (structure within 5m)	BL	SA	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK FACE (structure)	B	C	B	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	S	C	B	B	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 5m)	S	S	S	S	U	U	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	1A	1H	1H	1G	BL	TH	TH	BL	BL	TH

**PLANT GENERA - Use first 5**

NONE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/mosses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent broad-leaved herbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent reed/sedge/rushes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating leaves (matted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ambuligenous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged reed/sedge-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous alga	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SITE NO. 6399**

Wooded/semi-wooded (W)	<input checked="" type="checkbox"/>	Rough pasture (RP)	<input type="checkbox"/>
Coastal plantation (CP)	<input type="checkbox"/>	Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>
Orchard (OR)	<input type="checkbox"/>	Tilled land (TL)	<input type="checkbox"/>
Moorland/heath (MH)	<input type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input type="checkbox"/>
Scrub (SC)	<input type="checkbox"/>	Open water (OW)	<input type="checkbox"/>
Tall herbs' reed vegetation (TR)	<input type="checkbox"/>	Suburban/urban development (SU)	<input checked="" type="checkbox"/>

**NATURAL/SEMI-NATURAL**

Vertical/horizontal	<input checked="" type="checkbox"/>	Artificial/modified	<input type="checkbox"/>
Vertical + tree	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>
Deep (> 4.5)	<input checked="" type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>
Grade	<input checked="" type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>
Composite	<input type="checkbox"/>	Artificial coverings	<input type="checkbox"/>
		Patched	<input type="checkbox"/>
		Embedded	<input type="checkbox"/>
		Set back embankments	<input type="checkbox"/>

**TREES (tick one box per bank)**

None	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	Exposed backside roots	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Scrub continuous	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	Course woody debris	<input checked="" type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	<input type="checkbox"/>	None	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>
Marsh island(s)	<input type="checkbox"/>	Marsh island(s)	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **PFR - 1/2/3**

**RIVER QUALITY SURVEY DIMENSIONS AND ANNOTATIONS**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<b>1.9</b>	RIGHT BANK
Banktop height (m)	Water width (m)	<b>1.1</b>	Banktop height (m)
Embankment height (m)	Water depth (m)	<b>0.05</b>	Embankment height (m)

If embankment lower than banktop level in slope, indicate: height (m) = width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chalky

Location of measurement is: riffle  nose or glide  other  (tick one box)

**WEIR/SLUICE/STAIRS**

None  Number of Culverts = **0** Weirs = **0** Outfalls = **0** Fords = **0**  
 Footbridges = **0** Rambridges = **0** Other = **0**  
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**WEIR/SLUICE/STAIRS**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? State \_\_\_\_\_

**QUALITY OF SPECIAL INTEREST (GI)**

None  Waterfalls > 5m high  Artificial open water  Big  Other (state) \_\_\_\_\_  
 Bricks/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CLOSED CHANNELS**

Is 33% or more of the channel channel with vegetation? NO  YES

**PROXIMATE CHANNELS**

None  Great Haywood  Humly Grove  Ingswood  Other? (tick) Rhododendron bracken

**MAJOR IMPACTS**

landfill - tipping (tick) sewage - pollution - drought - abstraction - mill - dam - road - rail industry - banking - mining - quarrying - overcropping - afforestation - fisheries management - other? \_\_\_\_\_

Land Management: outside - buffer strip - headland - abandoned bed - partial - MeO - other? \_\_\_\_\_

Animals: other - mist - water vole - kingfisher - dipper - grey wagtail - reed marten - heron - dragonfly/damselfly

Other significant observations: \_\_\_\_\_

Address: None  Present  Extensive  Disused Address? None  Present  Extensive

### BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

Reference network site number: **6400**

Mid-site grid reference of network site if different from designated location:

Grid Reference: **S4981731** River: **ELWY**

Date: **11/5/1996** Time: **11:10** Surveyor name: **M. Lawson** Accreditation code: **17664**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

### C. DOMINANT VALLEY FORM

shallow vee  concave/bowl  
 (If U-shaped glacial valley - add 'U')

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles **5** Unvegetated point bars **2**  
 Pools **0** Vegetated point bars **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F. R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARRERAM, 3820 688

### RIVER BANK SURVEY ADDITIONAL INFORMATION

TALLY (see 207) for Riffles  Pools  Unveg. side bars  Veg. point bars

SPRINT check:  upstream  downstream

Material (W, B, G, O, C, L, S, P, R, E, M, F, Y, D, U)	CO	CO	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank failure(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Channel substrate: W, B, G, O, C, L, S, P, R, E, M, F, Y, D, U

Substrate shape: **FL** OF FL IF CU PD SL PLM L...

Plan top: **FL** OF FL IF CU PD SL PLM L...

Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel forward(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### RIGHT BANK VEGETATION STRUCTURE

Material: W, B, G, O, C, L, S, P, R, E, M, F, Y, D, U

Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank failure(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### LEFT BANK VEGETATION STRUCTURE

Material: W, B, G, O, C, L, S, P, R, E, M, F, Y, D, U

Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank failure(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### VEGETATION

Land use within 5m of bank top (L)

LEFT BANK TOP (structure within 1m)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m)	S	C	S	S	C	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

### PLANT GENERA

None  Plant genera: list here

Bryophytes/lichens															
Emerg broad-leaved herbs															
Emerg narrow-leaved herbs															
Flowing-leaved (rooted)															
Fresh-flowering															
Amphibious															
Submerged broad-leaved															
Submerged fine-leaved															
Filamentous algae															

SITE NO. **6400**

LEFT BANK		RIGHT BANK		MIDDLE	
Broadleaf/deciduous (BL)	<b>E</b>				
Coniferous plantation (CP)					
Orchard (OK)					
Meadow/herb (MH)					
Scrub (SC)					
Tall herb/ reed vegetation (TH)					
Natural/semi-nat					
Vertical/horizontal	<b>2</b>				
Vertical + toe					
Slope (>45°)					
Grade					
Composts					

### TREES (tick one box per bank)

None	<input type="checkbox"/>				
Isolated/scattered	<input type="checkbox"/>				
Regularly spaced, single	<input type="checkbox"/>				
Occasional clumps	<input type="checkbox"/>				
Semi continuous	<input type="checkbox"/>				
Continuous	<input checked="" type="checkbox"/>				

### ASSOCIATED FEATURES (tick one box per feature)

Shading of channel	<input type="checkbox"/>				
Overhanging boughs	<input type="checkbox"/>				
Exposed bankside roots	<input type="checkbox"/>				
Underwater tree roots	<input type="checkbox"/>				
PhOem trees	<input type="checkbox"/>				
Coarse woody debris	<input type="checkbox"/>				

### WATERBARS

Marginal dendroder	<input type="checkbox"/>				
Exposed bedrock	<input type="checkbox"/>				
Exposed boulders	<input type="checkbox"/>				
Unvegetated mid channel bar(s)	<input type="checkbox"/>				
Vegetated mid channel bar(s)	<input type="checkbox"/>				
Natural island(s)	<input type="checkbox"/>				
Unvegetated side bar(s)	<input type="checkbox"/>				
Vegetated side bar(s)	<input type="checkbox"/>				

Indicate predominant flow sequence (select up to three features): **2, 1, 1**

### RIVER BANK SURVEY ADDITIONAL INFORMATION

#### CLAIMED DIMENSIONS

LEFT BANK	Banktop width (m)	<b>15.7</b>	RIGHT BANK	Banktop width (m)	<b>1.20</b>
Banktop height (m)	Water width (m)	<b>15.5</b>	Banktop height (m)	Water depth (m)	<b>0.4</b>
Embankment height (m)	Water depth (m)	<b>0.4</b>	Embankment height (m)		

If embankment lower than banktop level in slope, indicate: height (m) = width (m) = **2.4**

Bed material in site is: consolidated (compact)  loose/loose (loose)

Location of measurement is: riffle  run or glide  other  (tick one box)

None  Number of Culverts = **0** Weirs = **0** Outfalls = **0** Ponds = **0**  
 Fourbridges = **0** Roadbridges = **0** Other = **0** (tick one box)  
 Is water impounded by weir(s)? No  Yes, <33% of site  >33% of site

None  Dropping  Moving  Wood cutting   
 Embankment  Other? State: **...**

#### SPECIAL FEATURES OF INTEREST

None  Artificial open water  Bog  Other (state)   
 Waterfalls > 5m high  Natural open water  Can   
 Broad/wide channels  Water meadow  Marsh   
 Debris dams  Poles  Flash   
 Leafy debris

Is 33% or more of the channel choked with vegetation? NO  YES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle, Rhododendron fructus

#### MAJOR IMPACTS

landfill - drying - silt - sewage - pollution - drought - obstruction - soil - dam - road - rail - factory - housing - mining - quarrying - overtopping - effluent - fisheries management - silting - other? **...**

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? **...**

Animals: **...** (tick one box per animal)

Other significant observations: **...**

Address? None  Present  Extensive  Disused Address? None  Present  Extensive

### BACKGROUND MAP AND INFORMATION

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FILLED SURVEY DETAILS**

Reference network site number: 6401  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: SJ 011711 River: Elroy  
 Date: 22.5.1996 Time: 0940 Surveyor name: N Newman Accreditation code: PF64

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

### C PREDOMINANT VALLEY FORM (tick one box only)

(1) shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 (2) deep vee  symmetrical floodplain  
 (3) gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles 6 Unvegetated point bars 1  
 Pools 0 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all most complex and expensive claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAERANA, BR20 688

### CHANNEL CHARACTERISTICS AND VEGETATION

TABLE (see left for Riffles) Points Unveg side bars Veg point bars

Spot check 1 m: vegetation	1	2	3	4	5	6	7	8	9	10
Material	CO	GH	SR	CO	CS	CR	EP	FA	GA	EA
Bank modification(s)	NO	NO	RI	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	PR	NO	NO	NO	VB	NO	NO
Channel substrate	VE	GP	CO	BE	CS	GP	SA	GP	CO	CS
Substrate slope	FL	OV	OV	FL	OV	OV	HA	OV	PO	RG
Flow type	RT	UN	UN	SM	UN	RP	SM	RP	RP	UN
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK - VEGETATION (functional groups)**

Material	BE	BE	BE	BE	NV	FA	FA	CO	EA	GP
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Land use: choose one from BL, CP, OH, WH, SC, TH, RP, IG, FL, RL, OV, SW

LAND USE WITHIN 5m OF BANK TOP (L)	IG	IG	IG	IG	IG	BL	BL	BL
LEFT BANK TOP (structure within 5m)	C	S	S	S	C	S	C	S
LEFT BANK FACE (structure)	C	S	S	S	S	S	S	C
RIGHT BANK FACE (structure)	S	S	S	S	S	U	S	S
RIGHT BANK TOP (structure within 5m)	C	C	C	S	S	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	IG	IG	BL	IG

**NONE / PLANT GENERA - list first 5**

None	Plant Genera	list first 5	✓	✓	✓	✓	✓	✓
Bryophytes/lichens								
Emergent broad-leaved herbs								
Emergent roots/stems/reeds								
Floating-leaved (rooted)								
Free-floating								
Amphibious								
Submerged pot broad-leaved								
Submerged fine-leaved								
Filamentous algae								

### TRIBUTARY CHANNELS AND ASSOCIATED FEATURES

	L	R		L	R
Broadleaved woodland (BL)	✓		Rough pasture (RP)		
Coniferous plantation (CP)	✓		Improved/recent improved grass (IG)	E	E
Orchard (OR)			Tidal land (TL)		
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Suburban/urban development (SU)		

Natural/naturalised	L	R	Artificial/modified	L	R
Vertical + toe	✓		Reinforced		✓
Steep (> 45°)		✓	Reinforced - whole bank		✓
Gentle			Reinforced - toe only		✓
Composite			Artificial toe-stage		✓
			Poached		✓
			Enhanced		✓
			Set back embankment		✓

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (≥ 15%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging branches	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Understorey tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATERLILIES AND OTHER SPECIAL FEATURES**

None	Percent E (≥ 15%)	None	Percent E (≥ 15%)
Marginal dead-water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mature willow(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): slow - riffle - pool

### CHANNEL DIMENSIONS AND CHARACTERISTICS

LEFT BANK	Backstop width (m)	<u>12.5</u>	RIGHT BANK	Backstop width (m)
Backstop height (m)	Water width (m)	<u>8.0</u>	Backstop height (m)	<u>1.30</u>
Embankment height (m)	Water depth (m)	<u>0.3</u>	Embankment height (m)	

If waterline lower than backstop break in slope, indicate: height (m) = 10 width (m) = 11.5

Bed material at site is: consolidated (compact)  unconsolidated (loose)

Location of meandering: riffle  run or glide  other  (tick one box)

**WATERLILIES**

Name:  Number of Culverts = 0 Weirs = 0 Overfalls = 0 Fords = 0  
 Footbridges = 0 Roadbridges = 0 Other = 0

Is water impounded by weir(s)? No  Yes, < 33% of site  > 33% of site

**WATERLILIES OR OTHER SPECIAL FEATURES**

Name: 0 Dredging  Moving  Weed cutting   
 Enhancement  Other: 0 Site

**WATERLILIES OR OTHER SPECIAL FEATURES**

Name:  Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Loose debris  Pile  Flank

**CLOSED CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES

**WATERLILIES OR OTHER SPECIAL FEATURES**

Name:  Giant Hogweed  Nymphaea lutea  Japanese Knotweed  Other: 0 Nettle Rhododendron trunk

**WATERLILIES OR OTHER SPECIAL FEATURES**

Major impacts: landfill - tipping - later - sewage - pollution - drought - obstruction - mill - dam - road - rail industry - housing - mining - quarrying - overgrazing - (fences) - electrical transmission - other? = \_\_\_\_\_

Land Management: at water - buffer strip - bankland - streambed land - parkland - M&D - other? = \_\_\_\_\_

Animals: none - fish - water - mole - kingfisher - dipper - grey - wren - wood martin - heron - dragonfly/damselfly

Other significant observations: \_\_\_\_\_

**WATERLILIES OR OTHER SPECIAL FEATURES**

Address: None  Private  Estate  Unowned Address: None  Private  Estate



**RIVER HABITAT SURVEY FORM (FOR PLANNED STREAMS AND CHANNELS)**

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary	Navigation? <b>NO</b>
Height of source (m)	Water Quality Class	

**FIELD SURVEY DETAILS**

Reference network site number: **6404**

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **RIVERACKEDROOK**

Date: **4/6/1996** Time: **12:25** Surveyor name: **DUNN** Accreditation code: **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph, general character? No  Yes  (tick one box)  
(duplicate will be made by scanning)

and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

<input type="checkbox"/> shallow vcc	<input type="checkbox"/> concave/bowl (if U-shaped glacial valley - add 'U')
<input type="checkbox"/> deep vcc	<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain

**TERMINAL VALLEY FLOOR? No  Yes  IFE - VALLEY FORM NOTES:**

Riffles <input type="checkbox"/>	Unvegetated point bars <input type="checkbox"/>
Pools <input type="checkbox"/>	Vegetated point bars <input type="checkbox"/>

SEND COMPLETED FORMS WEEKLY plus all water samples and appropriate claims TO  
P.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**RIVER HABITAT SURVEY FORM (FOR PLANNED STREAMS AND CHANNELS)**

**VEGETATION COVER AND ASSOCIATED FEATURES**

	L	R		L	R
Non-vascular plants (NVP)			Rocky patches (RP)		
Confused vegetation (CV)			Improvised/semi-improved grass (IG)		
Orchard (OR)			Tiled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**TREES (tick one box per bank)**

	Left	Right		None	Present E (%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/> 100%
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfalls (W)	None	Present E (%)	Marginal dead-water	None	Present E (%)
Overfalls (O)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapids (R)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffles (I)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mud channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s) (U)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mud channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s) (B)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Point(s) (P)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **Slide - No perceptible flow**  
**4 no water**

**RIVER HABITAT SURVEY FORM (FOR PLANNED STREAMS AND CHANNELS)**

**ALLEY (see BS) for - Effluents**

	Pools	Unveg. side bars	Veg point bars
at check 1 is: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3
Majority of channel bed/substrate: W, M, S, L, P, C, R, O, B, D, N, V, U, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	EA	EA	EA
Bank modification(s): H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	RS	RS	RS
Bank feature(s): H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	NO	NO	NO
Channel substrate: W, M, S, L, P, C, R, O, B, D, N, V, U, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	SE	SE	SE
Substrate slope: R, O, B, D, N, V, U, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	NA	NA	NA
Bank modification(s): H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	SA	SA	SA
Bank feature(s): H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	RS	RS	RS
Channel feature(s): H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	NO	NO	NO
Channel substrate: W, M, S, L, P, C, R, O, B, D, N, V, U, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	EA	EA	EA
Substrate slope: R, O, B, D, N, V, U, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	NA	NA	NA
Bank modification(s): H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	SA	SA	SA
Bank feature(s): H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	RS	RS	RS
Channel feature(s): H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z	NO	NO	NO

**LAND USE WITHIN 5m OF BANKTOP (L)**

	B	H	R	L	P	L	U	S	C	C	C
LEFT BANK FACE (structure)	U	U	U	R	S	N	U	U			
IT BANK FACE (structure)	U	S	U	S	S	U	U	U			
IT BANK TOP (structure within 1m)	S	C	C	C	C	C	S	S			
LAND USE WITHIN 5m OF BANK TOP (R)	T	H	S	C	L	S	S	U	R		

**PLANT COVER - See BS 1**

	V	V	V	V
Emergent broad leaved herbs				
Emergent narrow leaved herbs				
Emergent sedge				
Emergent grass				
Emergent moss				
Emergent algae				
Emergent fungi				
Emergent lichens				
Emergent diatoms				
Emergent cyanobacteria				
Emergent bacteria				
Emergent fungi				
Emergent algae				
Emergent lichens				
Emergent diatoms				
Emergent cyanobacteria				
Emergent bacteria				

**RIVER HABITAT SURVEY FORM (FOR PLANNED STREAMS AND CHANNELS)**

**CHANNEL DIMENSIONS AND BANK PROFILES**

LEFT BANK	Banktop width (m)	<b>1.5</b>	RIGHT BANK	
Banktop height (m)	<b>0.4</b>	Water width (m)	<b>1.0</b>	Banktop height (m)
Embedded height (m)		Water depth (m)	<b>0.1</b>	Embedded height (m)

If waterline lower than banktop level in slope, indicate: height (m) = **0.1** width (m) = **1.0**

Bed material in situ is: consolidated (compact)  unconsolidated (loose)  **(S)**

Location of measurement is: riffle  run or glide  other  (tick one box)

**MARGINAL FEATURES**

None  Number of Culverts =  Weirs =  Outfalls =  Ponds =

Footbridges = **1** Roadbridges =  Other =

Is water impounded by weirs/dams? No  Yes, < 1% of site  > 1% of site

**VEGETATION COVER AND ASSOCIATED FEATURES**

None  Overgrowing  Mowing  Wood cutting

Establishment  Other? State:

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):

Brushed/side channels  Natural open water  Carr

Debris dams  Water meadow  Marsh

Loose debris  Foss  Flush

Is 1% or more of the channel choked with vegetation? NO  YES

None  Great Magnesian  Himalayan Balcon  Japanese Knotweed  Other? **(tick one)**  **Hydrocotyle**

Major impacts: landfill - tipping - silt - sewage - pollution - drought - abstraction - mill - dam - road - rail - factory - housing - mining - quarrying - overgrazing - afforestation - suburban development - mining - **(tick one)**  **W7-2**

Land Management: cut bank - buffer strip - banked - abandoned land - pasture - MoD - other? **(tick one)**  **Agriculture & silage**

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - tern - dragonfly/damselfly

Other important observations: **Tr. & L. becomes dry & creek like that in an extreme**

Address: None  Present  Extensive  - - Disused Address? None  Present  Extensive

**1996 RIVER HABITAT SURVEY (ADDITIONAL FORM FOR PLANT AND ANIMAL DATA)**

**A. CHANNEL/GROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation? **NO**  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: **6405**  
 Mid-site grid reference of network site if different from designated location.

Grid Reference: River: **Cliff brook**  
 Date: **4/6/1996** Time: **10:26** Surveyor name: **D.W.A.** Accreditation code: **1927**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  | IFE - VALLEY FORM NOTES:

Riffles: **2** Unvegetated point bars: **0**  
 Pools: **0** Vegetated point bars: **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARRAN, 3820 648

**1996 RIVER HABITAT SURVEY (ADDITIONAL FORM FOR PLANT AND ANIMAL DATA)**

**TYPE NO. 406**

**D. CHANNEL DIMENSIONS AND ASSOCIATED FEATURES**

Material/mound/bed	L	R	Artificial modification	L	R
Vertical/medial	<b>2</b>	<b>2</b>	Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe			Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Deep (> 45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Camports			Artificial two-stage		
			Poached		
			Embanked		
			In bank embankments		

**E. TREES (tick one box per bank)**

	Left	Right		None	Percent E (2.5%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/wooded	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Understorey tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Some continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**F. ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Percent E	Marginal downwater	None	Percent E (2.5%)
Chamber(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rack(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mudflats	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **Rn/glide**

**1996 RIVER HABITAT SURVEY (ADDITIONAL FORM FOR PLANT AND ANIMAL DATA)**

**TALLY (see IFE for details)**

Spot check 1 is: upstream  downstream

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	RS	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SP	SP	SA	SA	SA	SA	SA	SA	SA	SA
Substrate change	IR	SR	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	RP	SM	RP	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	RS	NO	RS	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**G. BANKTOP AND VEGETATION STRUCTURE**

Land use: choose one from R, C, O, H, K, R, TR, U, W, FL, HL, OL, U

LAND USE WITHIN 5m OF BANKTOP (L)	SC	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK TOP (structure within 1m) BANKC	C	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BANKC	S	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BANKC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) BANKC	S	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH

**H. PLANT AND ANIMAL DATA**

None	/ PLANT OTHERS - list first 5
Algae/epiphytes	
Emergent broad leaved herbs	
Emergent narrow leaved herbs	
Emergent sedge/reeds	
Flowering broad leaved	
Flowering narrow leaved	
Forbs	
Amphibians	
Submerged broad leaved	
Submerged narrow leaved	
Flowering algae	

**1996 RIVER HABITAT SURVEY (ADDITIONAL FORM FOR PLANT AND ANIMAL DATA)**

**I. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<b>3.0</b>	RIGHT BANK	Banktop width (m)	<b>0.5</b>
Banktop height (m)	<b>0.75</b>	Water width (m)	<b>2.0</b>	Banktop height (m)	<b>0.75</b>
Embanked height (m)	<b>0.75</b>	Water depth (m)	<b>0.3</b>	Embanked height (m)	

If structure lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width(m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)

Location of measurement is: centre  rim or glide  other  (tick one box)

**J. CHANNEL FEATURES**

None  Number of Obstructions = **U** Weirs = \_\_\_\_\_ Outfalls = **0** Falls = \_\_\_\_\_  
 Footbridges = **1** Roadbridges = **0** Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**K. CHANNEL OBSTRUCTIONS**

None  Driveway  Mowing  Weed cutting   
 Embankment  Other? State: \_\_\_\_\_

**L. CHANNEL VEGETATION**

None  Waterfalls > 5m high  Artificial open water  Bag  Other (state) \_\_\_\_\_  
 Bridled/side channels  Natural open water  Catt   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fun  Flats

Is 33% or more of the channel choked with vegetation? NO  YES

**M. CHANNEL MANAGEMENT**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? State: \_\_\_\_\_

**N. RIVER CHANNEL CHARACTERISTICS**

Major impacts: bankfill - sipping - litter - sewage - pollution - silt - stone - sand - mud - silt - debris - weed - soil - industry - farming - mining - quarrying - (over)grazing - alteration - fisheries management - abiding - other = \_\_\_\_\_  
 Land Management: cut-side - buffer strip - bankfill - structural bed - putland - MoD - other = **Agricultural**  
 Animals: other - mist - water vole - kingfisher - darter - grey heron - sand martin - heron - dragonfly/damselfly - \_\_\_\_\_  
 Other significant observations: (list) \_\_\_\_\_

Altitude: None  Present  Estimated  Damaged Altitude? None  Present  Estimated

**1996 RIVER HABITAT SURVEY with IUD grids for plant species and fencing** Page 1 of 4

**BACKGROUND MAP-BASED INFORMATION:**

Altitude (m)	Slope (m/km)	Flow category (1-10)
Soils geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary?	Navigation 'N'
Height of source (m)	Water Quality Class	

**FIELD SURVEY DETAILS**

Reference network site number: 6411

Mid-site grid reference of network site (if different from designated location):

Grid Reference: 13779 River: GOYT

Date: 1/6/1996 Time: 10:31 Surveyor name: DUKKAI Accreditation code: PF27

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box) (1)  
(duplicate will be made by scanning)

and, as required, special feature? No  Yes  (tick one box) (1)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee	concave/bowl (if U-shaped glacial valley - add 'U')
deep vee	symmetrical floodplain
gorge	asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles  Unvegetated point bars   
Pools  Vegetated point bars

\* COMPLETED FORMS WEELEET plus all water samples and expenses claims TO P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BRZO 688

**1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES** Page 2 of 4

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<u>10.00</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>9.90</u>	Banktop height (m)	<u>0.08</u>
Embankment height (m)	Water depth (m)	<u>0.10</u>	Embankment height (m)	<u>X</u>

If embankment lower than banktop break in slope, indicate: height (m) = X, width (m) = X

Bed material at site is: consolidated (occupant)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**NATURAL FEATURES**

None  Number of: Cutovers = 0 Weirs = 0 Outfalls = 6 Fords = 0  
Footbridges = 0 Roadbridges = 0 Other = 6

Is water impounded by weirs? No  Yes, <35% of site  >35% of site

**VEGETATION OF BANKS AND CHANNEL**

None  Dredging  Mowing  Weed cutting   
Enhancement  Other? Stone

**STRUCTURES AND OBSTRUCTIONS**

None  Waterfalls > 5m high  Artificial open weirs  Bog  Other (name) Apple or al-ur  
Bridgeside channel  Natural open weirs  Other   
Debris dams  Water enclosures  Marsh   
Loose debris  Foss  Flush

**CHANNEL VEGETATION**

Is 35% or more of the channel choked with vegetation? NO  YES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? None (check above)

**MAJOR IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - habitat management - silt - REPAIR

Land Management: set aside - (for crop) - broadcast - stockfeed land - parkland - MoD - other? :

Animals: other - mink - otter - rod - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: None

**ADDITIONAL INFORMATION**

Advers? None  Present  Extensive  Damaged Advers? None  Present  Extensive

**1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES** Page 3 of 4

**CHANNEL DIMENSIONS**

LEFT BANK: Banktop width (m) 10.00, Banktop height (m) 0.08, Embankment height (m) X

RIGHT BANK: Banktop width (m) 10.00, Banktop height (m) 0.08, Embankment height (m) X

**VEGETATION OF BANKS AND CHANNEL**

None  Dredging  Mowing  Weed cutting   
Enhancement  Other? Stone

**STRUCTURES AND OBSTRUCTIONS**

None  Waterfalls > 5m high  Artificial open weirs  Bog  Other (name) Apple or al-ur  
Bridgeside channel  Natural open weirs  Other   
Debris dams  Water enclosures  Marsh   
Loose debris  Foss  Flush

**CHANNEL VEGETATION**

Is 35% or more of the channel choked with vegetation? NO  YES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? None (check above)

**MAJOR IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - habitat management - silt - REPAIR

Land Management: set aside - (for crop) - broadcast - stockfeed land - parkland - MoD - other? :

Animals: other - mink - otter - rod - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: None

**ADDITIONAL INFORMATION**

Advers? None  Present  Extensive  Damaged Advers? None  Present  Extensive

**1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES** Page 4 of 4

**CHANNEL DIMENSIONS**

LEFT BANK: Banktop width (m) 10.00, Banktop height (m) 0.08, Embankment height (m) X

RIGHT BANK: Banktop width (m) 10.00, Banktop height (m) 0.08, Embankment height (m) X

**VEGETATION OF BANKS AND CHANNEL**

None  Dredging  Mowing  Weed cutting   
Enhancement  Other? Stone

**STRUCTURES AND OBSTRUCTIONS**

None  Waterfalls > 5m high  Artificial open weirs  Bog  Other (name) Apple or al-ur  
Bridgeside channel  Natural open weirs  Other   
Debris dams  Water enclosures  Marsh   
Loose debris  Foss  Flush

**CHANNEL VEGETATION**

Is 35% or more of the channel choked with vegetation? NO  YES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? None (check above)

**MAJOR IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - habitat management - silt - REPAIR

Land Management: set aside - (for crop) - broadcast - stockfeed land - parkland - MoD - other? :

Animals: other - mink - otter - rod - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: None

**ADDITIONAL INFORMATION**

Advers? None  Present  Extensive  Damaged Advers? None  Present  Extensive

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/m) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Mainform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary \_\_\_\_\_ Navigation \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number 6412  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: WIE  
 Date: 20.5.1996 Time: 16:23 Surveyor name: Duncan Accreditation code: PF27

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box) (1)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box) (2)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  LIFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. RIVER BED FORMS (tick one box only)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAKERAM, BH20 6BE

SITE NO 6412 1996 RIVER HABITAT SURVEY WITH DIMENSIONS AND MEASUREMENTS

Bank/bedrock - outcrops (B)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)	<input type="checkbox"/>	<input type="checkbox"/>
Coniferous plantation (CP)	<input type="checkbox"/>	<input type="checkbox"/>	Improved/semi improved grass (IG)	<input type="checkbox"/>	<input type="checkbox"/>
Orchard (OR)	<input type="checkbox"/>	<input type="checkbox"/>	Tilled land (TL)	<input type="checkbox"/>	<input type="checkbox"/>
Heathland/heath (HH)	<input type="checkbox"/>	<input type="checkbox"/>	Grazed (by hay, marsh, etc) (GL)	<input type="checkbox"/>	<input type="checkbox"/>
Sods (SO)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Open water (OW)	<input type="checkbox"/>	<input type="checkbox"/>
Tall herb/ reed vegetation (TH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Substrate/soil development (SU)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Natural/unmodified	<input type="checkbox"/>	<input type="checkbox"/>	Artificial/modified	<input type="checkbox"/>	<input type="checkbox"/>
Vertical/erosion	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessional	<input type="checkbox"/>	<input type="checkbox"/>
Vertical + acc	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input type="checkbox"/>
Slope (>4%)	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Castle	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
Composite	<input type="checkbox"/>	<input type="checkbox"/>	Artificial re-stage	<input type="checkbox"/>	<input type="checkbox"/>
			Poached	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			Embedded	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			Set back embankments	<input type="checkbox"/>	<input type="checkbox"/>

**TREES (tick one box per bank)**

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	None	<input type="checkbox"/>	Present	<input type="checkbox"/>	E (2.5%)
Limited/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
Some continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Flood trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Curvature(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapids(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature silt(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Glide-Ripple-Glide

**E. RIVER BED FORMS AND VEGETATION STRUCTURE**

Left bank: riffles  depositional

Point	1	2	3	4	5	6	7	8	9	10
Material	DE	EN	EA	FA	EA	EA	EA	EA	EA	EA
Bank composition(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	CP	CV	BO	BO	CO	CO	CO	CV	BO	CP
Substrate slope	SM	SM	RP	RP	SM	RP	SM	SM	SM	SM
Flow type	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel bank(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank composition(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**P. BANKTOP LAND USE AND VEGETATION STRUCTURE**

LAND USE WITHIN 5m OF BANK TOP (L)	BL	SC	IG	IG	IG	IG	SC	SH	IG	SC
LEFT BANK TOP (structure within 1m)	S	U	U	U	U	U	C	S	U	C
LEFT BANK FACE (structure)	U	S	U	U	S	U	U	S	U	S
RIGHT BANK FACE (structure)	U	S	S	U	S	R	U	B	U	U
RIGHT BANK TOP (structure within 1m)	U	U	U	U	S	C	U	U	S	
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	SC	SC	IG	IG	SC	

**Q. VEGETATION OBSERVATIONS**

NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bryophytes/lichen	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coarse forest bed herbs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Coarse meadow/herbaceous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Flanking forest (wood)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Free standing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scrubland	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged forest/bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged forest/bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged forest/bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged forest/bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**R. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<u>12.0</u>	RIGHT BANK	Banktop width (m)	<u>12.0</u>
Banktop height (m)	<u>0.15</u>	Water width (m)	<u>12.0</u>	Banktop height (m)	<u>0.01</u>
Embankment height (m)		Water depth (m)	<u>0.5</u>	Embankment height (m)	

If gradient lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**S. CHANNEL VEGETATION**

None  Number of Cut-revs = 0 Weirs = 0 Outfalls = 0 Folds = 0  
 Foundation = 0  
 In water impounded by vegetation? No  Yes, <33% of site  >33% of site

**T. CHANNEL VEGETATION**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State \_\_\_\_\_

**U. CHANNEL VEGETATION**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brakes/side channels  Natural open water  Catt   
 Debris dams  Water meadows  Marsh   
 Leafy debris  Fern  Fleck (1)

**V. CHANNEL VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

**W. CHANNEL VEGETATION**

None  Great Haywood  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron fructus

**X. CHANNEL VEGETATION**

Major impacts: bank(s) - tipping - litter - sewage - pollution - drought - obstruction - silt - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - suburban management - other = \_\_\_\_\_

Land Management: not used - buffer strip - bankland - abandoned land - parkland - MFL (state) = \_\_\_\_\_

Animals: other - mink - water vole - Kingfisher - dipper - grey heron - mud martin - heron - dragonfly/damselfly

Other significant observations: water 0.15

**Y. CHANNEL VEGETATION**

Address? None  Present  Extensive  Damaged Address? None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary	Navigation
Height of source (m)	Water Quality Class	

**FIELD SURVEY DETAILS**

Reference network site number: **6413**

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **DERWENT**

Date: **30.5.1996** Time: **14.31** Surveyor name: **JUNCA** Accreditation code: **PF27**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box) (1)

(duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box) (1)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C: PREDOMINANT VALLEY FORM (tick one box only)**

<input checked="" type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "U")
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box only)

Riffles	Unvegetated point bars
Pools	Vegetated point bars

COMPLETED FORMS PLEASED plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WARREN, BH20 6BB

**SITE NO. 6413**

Arable/Improved woodland (IA)	Rough pasture (RP)
Coniferous plantation (CP)	Improved/unimproved grass (IG)
Orchard (OR)	Tilled land (TL)
Moorland/heath (MH)	Wetland (eg bog, marsh, fen) (WL)
Scrub (SC)	Open water (OW)
Tall herb/semi vegetation (TH)	Suburban/urban development (SU)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/embankment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		
Vertical - toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank		
Slope (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Punched		
			Embanked		
			Soil bank construction		

**TREES (tick one box per bank)**

	Left	Right		None	Percent E (±11%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Uniform/stratified	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Local continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Waterfall(s)	None <input checked="" type="checkbox"/>	Percent E <input type="checkbox"/>	Marginal deadwater	None <input type="checkbox"/>	Percent S (±11%) <input type="checkbox"/>
Choked(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **GLFOE**

**LLY (see 20) for - Riffles Pools (wing, side bars) Veg point bars**

Spot check 1 in: upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Bank modification(s)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Substrate shape	NA	NA	FL	FL	TR	NA	NA	NA	NA	NA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	MI	MI	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**USE WITHIN 5m OF BANKTOP (L)**

PLANT GENERA - list first 5	RL	BL	BL	BL	BL	RL	RL	RL	RL	RL
BANK-TOP (structure within 1m)	C	C	S	S	S	S	S	S	S	B
LEFT BANK FACE (structure)	S	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	B	U	U	U	U	U	U	U	U	U
BANK-TOP (structure within 1m)	S	S	S	S	S	S	S	S	S	S
USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

**EMERGENT VEGETATION**

Plant genera - list first 5	<input checked="" type="checkbox"/>									
Species	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Woodland herbs	<input checked="" type="checkbox"/>									
Emergent reeds/sedges	<input checked="" type="checkbox"/>									
Grass (reeds)	<input checked="" type="checkbox"/>									
Other	<input checked="" type="checkbox"/>									
Other	<input checked="" type="checkbox"/>									
Submerged broad-leaved	<input checked="" type="checkbox"/>									
Submerged narrow-leaved	<input checked="" type="checkbox"/>									
Other	<input checked="" type="checkbox"/>									

**1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES**

LEFT BANK	Banktop width (m)	79.0	RIGHT BANK	Banktop width (m)	68.25
	Banktop height (m)	0.25		Banktop height (m)	0.25
	Water width (m)	12.0		Water width (m)	12.0
	Embanked height (m)			Embanked height (m)	
	Water depth (m)	0.5		Water depth (m)	0.5

If trapezium lower than banktop break in slope, indicate: height (m) = / width (m) = /

Bed material at site is: consolidated (compact)  unconsolidated (loose)  boulders

Location of measurement is: riffle  run or glide  other  (tick one box)

None  Number of Obverts = 0 Weirs = 1 Outfalls = 0 Forbs = 0

Footbridges = 0

Is water impounded by weirs? No  Yes, <33% of site  >33% of site

**EMERGENT VEGETATION**

None <input checked="" type="checkbox"/>	Dredging <input type="checkbox"/>	Mowing <input type="checkbox"/>	Wood cutting <input type="checkbox"/>
	Enhancement <input type="checkbox"/>	Other? State:	

**EMERGENT VEGETATION**

None <input checked="" type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
	Natural open water <input type="checkbox"/>	Canal <input type="checkbox"/>	
	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
	Fen <input type="checkbox"/>	Flask <input type="checkbox"/>	

Is 33% or more of the channel choked with vegetation? NO  YES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick one box)

**MAJOR IMPACTS**

bedfill - sipping - filter - storage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fabric management - silt - other? =

**LAND MANAGEMENT** (see table) buffer strip - broadland - abandoned land - parkland - MHD - other? =

**ANIMALS**

water - rail - water vole - kingfisher - eel - grey heron - sand martin - tern - dragonfly/damselfly

**OTHER SIGNIFICANT OBSERVATIONS**

Large tree in channel with a hole in its trunk, 10m from bank

At site: None  Present  Extensive  Damaged: None  Present  Extensive





1996 RIVER HABITAT SURVEY (Form for plant, geology and geology) Page 1 of 4

### BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary Navigation?  
 Height of source (m) Water Quality Class

### FIELD SURVEY DETAILS

Reference network site number: 643  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River:  
 Date: 2/7/1996 Time: 1:25 Surveyor name: ... Accreditation code: ...

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

### PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/bowl (If U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)

Rifles: 1 Unvegetated point bars: \_\_\_\_\_  
 Pools: 1 Vegetated point bars: \_\_\_\_\_

PLEASE COMPLETE FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAKERAM, BRNO 688

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

### TALLY (see IFE) for riffles Pools Unveg side bars Veg point bars

### E PHYSICAL ATTRIBUTES (to be assessed across channel within 2m wide transects) - see entry only

Spot check 1-10 upstream	1	2	3	4	5	6	7	8	9	10
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### LEFT BANK (TICK if functional feature)

Material	EA	EA	EA	PA	PA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### RIGHT BANK (TICK if functional feature)

Material	EA	EA	EA	PA	PA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use, choose one from: RL, CP, OR, WH, SC, TH, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RL	RL	RL	TH	TH	SU	TH	TH	TH	TH
LEFT BANK TOP (structure within 1m) BWSIC	C	C	C	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BWSIC	U	U	U	U	U	S	U	U	S	S
RIGHT BANK FACE (structure) BWSIC	U	U	U	U	U	S	C	S	S	C
RIGHT BANK TOP (structure within 1m) BWSIC	U	U	U	U	C	C	S	S	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	RL	RL	RL	SC	IG	SC	IG	IG	IG	IG

### G CHANNEL VEGETATION (tick one box only)

NONE  PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

ENO: 6416

### LAND USE FROM SOURCE TO CHANNEL

Unutilized wooded (UL)										
Uniform plantation (UP)										
Orchard (OR)										
Moorland/heath (MH)										
W (SC)										
herbs' and vegetation (TR)	E	E								

### STRUCTURE OF CHANNEL BANKS

Natural/unmodified	L	R	Artificial/modified	L	R
low/undercut			Reinforced		
cut + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
potholes			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

### TREES (tick one box per bank)

None	Left	Right	None	Procent E (≥ 33%)
Isolated/scattered			Shading of channel	
Regularly spaced, single			Overhanging boughs	
Occasional clumps			Exposed bankside roots	
Scam continuous			Underwater tree roots	
Continuous			Fallen trees	
			Course woody debris	

### ASSOCIATED FEATURES (tick one box per feature)

Marginal dead-water		
Exposed bedrock		
Exposed boulders		
Unvegetated mid-channel bar(s)		
Vegetated mid-channel bar(s)		
Mature island(s)		
Unvegetated side bar(s)		
Vegetated side bar(s)		

### WATERBODIES

Waterfall(s)				
Cascade(s)				
Rapid(s)				
Riffle(s)				
Run(s)				
Bank(s)				
Old(s)				
Pool(s)				

Most predominant flow sequence (select up to three features): \_\_\_\_\_

### CHANNEL DIMENSIONS AND INFLECTIONS

LEFT BANK	Banktop width (m)	<u>6.0</u>	RIGHT BANK	Banktop height (m)	<u>0.7</u>
	Banktop height (m)	<u>0.2</u>		Water width (m)	<u>5.0</u>
	Embanked height (m)	<u>0.3</u>		Water depth (m)	<u>0.4</u>
				Embanked height (m)	-

If embankment lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  shell-sand

Location of accretion is: riffle  run or glide  other  (tick one box)

### PHYSICAL FEATURES

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

### REVIEW OF BANK MANAGEMENT

None  Dredging  Moving  Weed-cutting   
 Enhancement  Other? State: \_\_\_\_\_

### FEATURES OF SPECIAL INTEREST (tick appropriate)

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bridled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Flea  Flank

### CHECKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO  YES

### NOTABLE PLANT COMMUNITIES

None  Giant Hogweed  Hantsyrus Balsam  Ispacio Knotweed  Other? (tick)  Rhododendron bracken

### RIVER CHARACTERISTICS

Major impacts: bankfill - clipping - silt - sewage - pollution - drought - silting - wall - thin - weed - full density -  
 burning - silting - quarrying - overtopping - alienation - siltation management - silting - other? = \_\_\_\_\_  
 Land Management: set-back - buffer strip - bankfill - abandoned land - parkland - MoD - other? = \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies  
 Other significant observations: \_\_\_\_\_

### ALBERS (tick appropriate)

None  Present  Extensive  Dispersed Alders? None  Present  Extensive



**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number: 6418  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: \_\_\_\_\_ River: \_\_\_\_\_  
 Date: 2.1.1996 Time: 11:45 Surveyor name: JJC Accreditation code: PI?

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box)**

Rifles: \_\_\_\_\_ Unvegetated point bars: \_\_\_\_\_  
 Pools: \_\_\_\_\_ Vegetated point bars: \_\_\_\_\_

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY: SPOT CHECKS (tick one box)**

TALLY (see JH) for: Rifles Pools Unveg. side bars Veg. point bars

**C. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)**

Spot check 1 is upstream of downstream of	1	2	3	4	5	6	7	8	9	10
LEFT BANK: Material (M) NO CO SA PL CL CE SF PP GA M BR	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification (M) NO NO SA PL CL CE SF PP GA M BR	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature (F) NO NO SA PL CL CE SF PP GA M BR	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel substrate (S) NO NO SA PL CL CE SF PP GA M BR	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Substrate shape (SH) NO NO SA PL CL CE SF PP GA M BR	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Flow type (FT) NO NO SA PL CL CE SF PP GA M BR	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel modification (C) NO NO SA PL CL CE SF PP GA M BR	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel feature (CF) NO NO SA PL CL CE SF PP GA M BR	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
RIGHT BANK: Material (M) NO CO SA PL CL CE SF PP GA M BR	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification (M) NO NO SA PL CL CE SF PP GA M BR	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature (F) NO NO SA PL CL CE SF PP GA M BR	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CL, CR, HL, SL, PL, TL, TR, TL, TR

LAND USE WITHIN 5m OF BANKTOP (L)	BL	CL	CR	HL	SL	PL	TL	TR	TL	TR
LEFT BANK-TOP (structure within 1m) MUSE	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) MUSE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) MUSE	C	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) MUSE	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	TH	TH	TH	TH	TH	TH	TH	TH	TH

**G. PLANT SPECIES (tick one box)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

IFE NO. 6418 **1996 RIVER HABITAT SURVEY: POINT BARS**

**AND THE PRESENCE OF PLANT SPECIES (tick one box)**

	L	R		L	R
modified/unmodified (BL)			Rough pasture (RP)		
native vegetation (CV)			Improved/semi-improved grass (IG)		
chard (CK)			Tilled land (TL)		E
Mountain/haath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
All herbs' root vegetation (TR)	E		Suburban/urban development (SU)		

**ARTIFICIAL BANKS (tick one box)**

Natural/unmodified	L	R	Artificial/modified	L	R
Scal/woodcut	E	E	Embankment		
Scal + toe			Reinforced - whole bank		
p (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Spaced			Artificial two-stage		
			Poached		
			Embankment	E	E
			Set-back embankments		

**PRESENCE OF PLANT SPECIES (tick one box)**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2.11%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scal-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**PRESENCE OF PLANT SPECIES (tick one box)**

Waterfall(s)	None	Present E	Marginal dead-water	None	Present E (2.11%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ediff(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Roar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Obit(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Peak(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

etc predominant flow sequence (select up to three features): Glide

**1996 RIVER HABITAT SURVEY: CHANNEL DIMENSIONS AND INFLUENCES**

**CHANNEL DIMENSIONS (to be assessed across channel within a 10m wide transect)**

LEFT BANK	Banktop width (m)	7.5 <th>RIGHT BANK</th> <th>Banktop width (m)</th> <td>7.5 </td>	RIGHT BANK	Banktop width (m)	7.5
Banktop height (m)	1.2	Water width (m)	7.0	Banktop height (m)	1.2
Embankment height (m)	0.5	Water depth (m)	0.6	Embankment height (m)	0.5

If transect lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chalkstone

Location of measurement is: riffle  rap or glide  other  (tick one box)

**PHYSICAL FEATURES (tick one box)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Fords = \_\_\_\_\_

Is water impounded by weirs/dams? No  Yes, <31% of site  >31% of site

**EVIDENCE OF RECENT CHANNEL CHANGE (tick one box)**

None  Dredging  Moving  Weed cutting   
 Embankment  Other? State \_\_\_\_\_

**CHARACTERISTICS OF SPECIAL INTEREST (tick one box)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Peat  Flush

**VEGETATED CHANNELS (tick one box)**

Is 31% or more of the channel choked with vegetation? NO  YES

**DIAGNOSTIC PLANT SPECIES (tick one box)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Rhododendron bracteatum

**OTHER SIGNIFICANT FEATURES (tick one box)**

Major impacts: bankfill - slipping - fence - overtopping - drought - obstruction - wall - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - siting - other? \_\_\_\_\_

Land Management: sit-aside - buffer strip - headland - abandoned land - parkland - MoD - other? \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: \_\_\_\_\_

**5. NUMBERS (tick appropriate box)**

Alters? None  Present  Extensive  Damaged Alters? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE tools for plant covers and fencing - Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary ? \_\_\_\_\_ Navigation ? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6419  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: \_\_\_\_\_ River: Un named  
 Date: 13/6/1996 Time: 13:45 Surveyor name: JL Accreditation code: PF43  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl  
 (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles: 2 Unvegetated point bars: 1  
 Pools: 1 Vegetated point bars: 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DARSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, DD10 4BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS

FULLY (use IFE) for - Riffles  Pools  Unveg side bars  Veg point bars

PHYSICAL ATTRIBUTES (to be assessed across channel - width = 1m wide (stream) - 10m wide (river) - 100m wide (only V)

Spot check (1 m) upstream of downstream (1)	1	2	3	4	5	6	7	8	9	10
Material (W, M, CO, CL, SA, PE, GL, CE, SL, SP, GR, CM, BR, BV)	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (W, M, CO, CL, SA, PE, GL, CE, SL, SP, GR, CM, BR, BV)	CP	SA	SA	SA	EP	SA	SA	SA	SA	NR
Substrate shape (FL, OF, EL, SF, CU, PO, BR, OH, SW, ...)	FR	NA	NA	NA	NA	NA	NA	NA	NA	CU
Flow type (FF, CH, BV, UN, CF, BF, UP, SM, SP, NO)	RP	SM	SM	SM	SM	SM	SM	SM	SM	CH
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK CHECK (if functional cover)	<input checked="" type="checkbox"/>									
Material (W, M, CO, CL, SA, PE, GL, CE, SL, SP, GR, CM, BR, BV)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**E. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide (stream))**

Land use: choose one from RL, CP, OR, NH, SC, TH, RC, TL, HL, OW, SU

LAND USE WITHIN 5m OF BANK TOP (L)	TL	SC	SH	SP	EP	SA	EA	EA	EA	EA
LEFT BANK TOP (structure within 1m) BAUSC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LEFT BANK FACE (structure) BAUSC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
RIGHT BANK FACE (structure) BAUSC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
RIGHT BANK TOP (structure within 1m) BAUSC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LAND USE WITHIN 5m OF BANK TOP (R)	SC	TL	SH	SP	EP	SA	EA	EA	EA	EA

**G. CHANNEL VEGETATION (tick one box only)**

NONE  PLANT GENERA - list first 5

Bryophytes/lichens	✓									
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg reeds/rodgers/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Firm-floating										
Amphibious	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Submerged broad-leaved										
Submerged fine/linear-leaved	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. 6419 1996 RIVER HABITAT SURVEY - VEGETATION

**LAND USE WITHIN 5m OF BANK TOP (L)**

Land Use	L	R	Land Use	L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/well-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		✓	Open water (OW)		
Tall herb/ reed vegetation (TR)	✓	✓	Suburban/urban development (SU)		

**LAND USE WITHIN 5m OF BANK TOP (R)**

Land Use	L	R	Land Use	L	R
Natural/unmodified			Artificial/modified		
Vertical/embankment	✓	✓	Recessed		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)	E	E	Reinforced - top only		
Grate			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment	E	E

**IDENTITY OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent B (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside moss	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Canoe priority debris	<input type="checkbox"/>	<input type="checkbox"/>

**IDENTITY OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	None	Percent B (≥ 33%)	ASSOCIATED FEATURES (tick one box per feature)	None	Percent B (≥ 33%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Canal(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Race(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marsh island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>			

Indicate predominant flow sequence (select up to three features): Old

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES - Pre 4 of 4

**MEASURED DIMENSIONS (to be measured at site for a stretch of bank bottom preferably 10m)**

LEFT BANK	Banktop width (m)	Water width (m)	RIGHT BANK	Banktop height (m)
Banktop height (m)	7.0	7.0	Banktop height (m)	7.0
Embanked height (m)	0.2	Water depth (m)	Embanked height (m)	0.10

If trapezium lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**WATERCOURSE FEATURES (tick appropriate box(es))**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/tide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fea  Flush

**CHOKED CHANNEL (tick one box only)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE NUISANCE PLANT SPECIES (tick one box only)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (Name) Rhododendron bracteatus

**OVERALL CHANNEL CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - mining - other = \_\_\_\_\_  
 Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other = \_\_\_\_\_  
 Animals: otter - mink - water vole - bag-fisher - dipper - grey wagtail - sand martin - heron - drongos/dunlin

Other significant observation: 3 sand on bed (in at corner) end of stream, may be 1st 2nd or 3rd year fish?

**ALTERED CHANNEL CHARACTERISTICS (tick appropriate box(es))**

Altered? None  Present  Extensive  Discussed Altered? None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number 6470  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: W. stream  
 Date 13/6/1996 Time: 13:40 Surveyor name JLC Accreditation code: PF43

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bod of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  (IFE VALLEY FORM NOTES: \_\_\_\_\_)

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles:  Unvegetated point bars:   
 Pools:  Vegetated point bars:

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BARN 2 6BB

**1996 RIVER HABITAT SURVEY VEGETATION SPORCHECKS** Page 2 of 4

**FULLY (see list) for - Riffles** Points Using side bars Vee point bars

**B. PHYSIOLOGICAL TRIBUTES (to be assessed across channel width of 1m wide transect) 5m one only only 1/1/1/1**

Spot check 1st: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

**LEFT BANK VEGETATION (functional cover)**

Material <u>W.M.N.O.CO.GE.EA.PE.CE.SH.W.P.CA.M.A.R.E</u>	BR	EA	EA	EA	EA	FPO	WCP	EA	EA	EA
Bank wood location(s) <u>W.M.N.O.CO.GE.EA.PE.CE.SH.W.P.CA.M.A.R.E</u>	RS	RS	RS	RS	RS	RE	RE	RS	RS	RS
Bank feature(s) <u>W.M.N.O.CO.GE.EA.PE.CE.SH.W.P.CA.M.A.R.E</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL VEGETATION (functional cover)**

Channel substrate <u>W.M.N.O.CO.GE.EA.PE.CE.SH.W.P.CA.M.A.R.E</u>	WV	WV	WV	WV	WV	WV	WV	WV	WV	WV
Substrate shape <u>FL.OB.EI.DI.CU.PD.R.Oth.</u>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pool type <u>FL.OB.EI.DI.CU.PD.R.Oth.</u>	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) <u>W.M.N.O.CO.GE.EA.PE.CE.SH.W.P.CA.M.A.R.E</u>	OS	OS	OS	OS	OS	OS	OS	OS	OS	OS
Channel feature(s) <u>W.M.N.O.CO.GE.EA.PE.CE.SH.W.P.CA.M.A.R.E</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK VEGETATION (functional cover)**

Material <u>W.M.N.O.CO.GE.EA.PE.CE.SH.W.P.CA.M.A.R.E</u>	BR	BR	BR	UP	UP	UP	CC	BR	BR	BR
Bank modification(s) <u>W.M.N.O.CO.GE.EA.PE.CE.SH.W.P.CA.M.A.R.E</u>	RS	RS	RS	RE	RE	RE	RS	RS	RS	RS
Bank feature(s) <u>W.M.N.O.CO.GE.EA.PE.CE.SH.W.P.CA.M.A.R.E</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: Choose one from BL, CL, DR, HN, SC, TH, RP, NO, FL, WL, OW, SV

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP (structure within 1m) <u>W.M.N.O.CO.GE.EA.PE.CE.SH.W.P.CA.M.A.R.E</u>	U	U	U	U	B	U	S	C	S	S
LEFT BANK FACE (structure) <u>W.M.N.O.CO.GE.EA.PE.CE.SH.W.P.CA.M.A.R.E</u>	U	U	U	U	B	U	S	C	S	S
RIGHT BANK FACE (structure) <u>W.M.N.O.CO.GE.EA.PE.CE.SH.W.P.CA.M.A.R.E</u>	B	B	B	B	B	B	B	B	B	B
RIGHT BANK-TOP (structure within 1m) <u>W.M.N.O.CO.GE.EA.PE.CE.SH.W.P.CA.M.A.R.E</u>	U	U	U	U	B	U	S	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU

**G. CHANNEL VEGETATION (NONE / PLANT GENERA - list first 5)**

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg roots/water lilies										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg float/linear-leaved										
Filamentous algae										

**E. NO. 6470**

Deciduous woodland (DL)										
Conifer plantation (CP)										
Orchard (OR)										
Moorland/heath (MH)										
Arb (AR)										
Herb. next vegetation (TB)										

**Artificial/modified**

Recessed										
Reinforced - whole bank										
Reinforced - top only										
Reinforced - toe only										
Artificial two-stage										
Poached										
Embanked										
Set back embankments										

**EXISTENCE OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)

None	<input checked="" type="checkbox"/>	Left	Right	None	Percent 5 (±11%)
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scrub continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Category predominant flow sequence (select up to three features):** Glide

**1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES** Page 3 of 4

**A. CHANNEL DIMENSIONS (to be measured at one site on a straight section of channel)**

LEFT BANK	Banktop width (m)	<u>14.5</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>14</u>	Banktop height (m)	<u>3m</u>
Embanked height (m)	Water depth (m)	<u>N/A</u>	Embanked height (m)	

If trapezium lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bod material at site in: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement in: riffle  run or glide  other  (tick one box)

**C. PARTICIPANT FEATURES (indicate 2 total measurements, 10m apart, 10m from bank)**

None  Number of Culverts = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Bankbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**D. EVIDENCE OF RECENT MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State \_\_\_\_\_

**E. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None	<input checked="" type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Boag	<input type="checkbox"/>	Other (state)	
Waterfalls > 5m high	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Curr	<input type="checkbox"/>		
Braided/side channels	<input type="checkbox"/>	Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>		
Leafy debris	<input type="checkbox"/>	Fa	<input type="checkbox"/>	Flak	<input type="checkbox"/>		

**F. CHANNEL CHANGES (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**G. NOTABLE VEGETATION STANDS (tick appropriate box(es))**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**H. EVIDENCE OF CHANGES (tick one box)**

Major impacts: landfill - tipping - spoil - sewage - pollution - drought - abstraction - soil - drier - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? \_\_\_\_\_

Land Management: set aside - buffer strip - headland - abandoned land - partition? Mod - other? \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: \_\_\_\_\_

**I. ALTERATION (tick appropriate box)**

Alter? None  Present  Extensive  Occasional  None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6421  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 1E 50715 River: U...  
 Date: 16/11/1996 Time: 14:40 Surveyor name: Accreditation code:  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**NUMBER OF RIFLES, POOLS AND POINT BARS**

Rifles: Unvegetated point bars  
 Pools: Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, LYVEA LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

**1990 RIVER HABITAT SURVEY DIMENSIONS AND INDICES**

TABLE 1 (see IFE for details) Points: 1 2 3 4 5 6 7 8 9 10

**PHYSICAL ATTRIBUTES**

Soil class (1 = upland 2 = lowland)	1	2	3	4	5	6	7	8	9	10
Material (M = MUD, S = SAND, G = GRAVEL, CL = CLAY, P = PLANT, W = WOOD, R = ROCK)	SV	N	N	N	N	N	N	N	N	N
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (S = SAND, G = GRAVEL, CL = CLAY, P = PLANT, W = WOOD, R = ROCK)	N	N	N	N	N	N	N	N	N	N
Substrate shape (FL = FLAT, CL = CLAY, CR = CORNER, CRN = CORNER)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pool type (1 = DEEP, 2 = SHALLOW, 3 = POOL, 4 = POND)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK VEGETATION**

Material (M = MUD, S = SAND, G = GRAVEL, CL = CLAY, P = PLANT, W = WOOD, R = ROCK)	C	CL	E	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**BANKTOP LAND USE AND VEGETATION STRUCTURE (tick one box only)**

Land use: choose one from SL, CL, CR, GR, HR, IR, TR, SP, IC, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK TOP (structure within 5m) BASIC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BASIC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BASIC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 5m) BASIC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (U)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

**VEGETATION INDICES**

NONE / PLANT GENERA - see IFE 5										
Bryophytes/lichens										
Emergent broad leaved herbs										
Emergent reeds/sedges/rushes										
Flooding leaved (mosses)										
Freshwater										
Amphibious										
Submerged broad leaved										
Submerged freshwater leaved										
Filamentous algae										

SITE NO. 644

**VEGETATION INDICES**

	L	R		L	R
Broadleaved wooded (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/moor improved grass (IG)		E
Orchard (OK)			Tiled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)	E		Suburban/urban development (SU)		

**NATURAL/MANMADE**

Natural/manmade	L	R	Artificial/manmade	L	R
Vertical/obscure			Reinforced		
Vertical + low			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Concrete			Artificial two-stage		
			Pitched		
			Embanked		
			Set back embankment		

**TRACES (tick one box per bank)**

None	Left	Right	None	Present E (2.118)
Unshaded/overcast	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging banks	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Some continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Cover woody debris	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present E (2.118)
Marginal down-water	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>
Unvegetated mid channel bar(s)	<input type="checkbox"/>
Vegetated mid channel bar(s)	<input type="checkbox"/>
Moist island(s)	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>

**WATERBARS**

None	None	Present E (2.118)
Channel(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Scum(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>
Obstacle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): G, J, K

**VEGETATION INDICES**

None	Number of	Other =	Wain =	Outlets =	Fords =
	Feetridges =	Roadbridges =	Other =		
Is water impounded by weirs?	Yes	< 33% of site	> 33% of site		

**VEGETATION INDICES**

None	Dredging	Mowing	Weed cutting
	Enhancement	Other? State	

**VEGETATION INDICES**

None	Artificial open water	Bog	Other (state)
Bankside channels	Natural open water	Cart	
Drain ditches	Water meadow	Marsh	
Leafy debris	Fen	Flats	

**VEGETATION INDICES**

Is 33% or more of the channel channel with vegetation? NO  YES

**VEGETATION INDICES**

None  Great Reversed  Symbiotic Balance  Invasive Keenwood  Other? State  Shaded/obscure structure

**VEGETATION INDICES**

Major impacts: landfill - tipping - silt - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - logging - mining - quarrying - overstocking - afforestation - substrate management - silt - other =

Land Management: set-back - buffer strip - banked - abandoned land - partition - MoD - other =

Animals: other - silt - water vole - Kingfisher - dipper - grey heron - mallard - heron - dragonfly/damselfly

Other significant observations:

Abandon? None  Present  Extensive  Overgrown Abandon? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFR mods for plant genera and faunas: Page 1 of 4

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number: 6422  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: Witman  
 Date: 11/16/1996 Time: 13:30 Surveyor name: N.L. Accreditation code: P.F.H.B.

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  | IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WARRERAM, 37120 688

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS: Page 2 of 4

TALLY (use IFR for riffles) Pools Unveg. side bars Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) (1 = one entry only)**

Spot check 1 is upstream <input type="checkbox"/> down-stream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> (TICK if functional feature)										
Material <u>EA EA EA EA EA EA EA EA EA EA</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>RS RS RS RS RS RS RS RS RS RS</u>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <u>NO NO NO NO NO NO NO NO NO NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b> (TICK if functional feature)										
Channel substrate <u>SI SI SI SI SI SI SI SI SI SI</u>	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape <u>NA NA NA NA NA NA NA NA NA NA</u>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type <u>NO NO NO NO NO NO NO NO NO NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s) <u>NO NO NO NO NO NO NO NO NO NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>NO NO NO NO NO NO NO NO NO NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b> (TICK if functional feature)										
Material <u>EA EA EA EA EA EA EA EA EA EA</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>RS RS RS RS RS RS RS RS RS RS</u>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <u>NO NO NO NO NO NO NO NO NO NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**E. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, DR, NH, SC, TH, ST, TG, TL, VL, OV, SU

LAND USE WITHIN 5m of BANKTOP (L)	BL	BE	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BAUSC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BAUSC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) BAUSC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m of BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

**C. CHANNEL VEGETATION TYPES (10m wide transect; E (2-15% area) or L (10-15% area) or R (10-15% area))**

NONE / PLANT GENERA - list first 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bryophytes/lichen										
Emerg broad-leaved herbs										
Emerg reeds/wedges/reeds										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

E.N.O. 6422 1996 RIVER HABITAT SURVEY: 500'S VEGETATION

**VEGETATION**

	L	R		L	R
Shrubland/woodland (BL)	E		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		E
Wetland (swamp, marsh, fen) (WL)			Open water (OW)		
1st herbs + mud vegetation (TR)	✓	✓	Suburban/urban development (SU)		

**WETLAND TOPSOIL**

	L	R		L	R
Artificial/modified			Artificial/modified		
Embankment	E	E	Embankment	E	E
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Leak			Reinforced - toe only		
Point			Artificial two-stage		
			Poached		
			Embankment		
			Set-back embankments		

**PERCENTAGE OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2-33%)	Present E (2-33%)
None	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Falkia trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**EXTENT OF CHANNEL FEATURES**

	None	Present E		None	Present E
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sam(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Obd(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ate predominant flow sequence (select up to three features): Pools + No flow

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES: Page 3 of 4

**CHANNEL DIMENSIONS (10m wide transect)**

LEFT BANK	Banktop width (m)	3.0	RIGHT BANK	
Banktop height (m)	1.0	Water width (m)	0.4	Banktop height (m)
Embankment height (m)		Water depth (m)	NA	Embankment height (m)

If transect lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  bankturns

Location of measurement is: riffle  run or glide  other  (tick one box)

**3. CHANNEL FEATURES (10m wide transect; E (2-15% area) or L (10-15% area) or R (10-15% area))**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foa  Flush

**4. CHECKED CHANNELS (tick one box)**

Is 33% or more of the channel choked with vegetation? No  Yes

**5. RARE PLANT SPECIES (tick one box)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick)  Rhododendron bractea

**6. RIVER CHARACTERISTICS (tick one box)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - spill - dam - road - rail industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - shrew - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: Swamp during NOV 2000

**7. OTHER FEATURES (tick appropriate box(es))**

Urban? None  Present  Extensive  Disused? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing. Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6423  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: River: Rain  
 Date: 13/6/1996 Time: 10:15 Surveyor name: JJC Accreditation code: PFB  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles: Unvegetated point bars:  
 Pools: Vegetated point bars:

SEND COMPLETED FORMS WEEKLY Plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAKERAN, 8820 688

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see JHS) for: Rifles Pools Unveg. side bars Veg. point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide transect)**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK - SPOT CHECK 1 (functional form)</b>										
Material (W, R, G, CO, CL, S, F, L, E, P, M, C, L, M, S, B, Y)	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Bank modification(s) (N, NO, AS, R, F, C, B, M, D, H)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (N, NO, EC, SC, R, F, S, M, Y)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL CHARACTERISTICS (functional form)</b>										
Channel substrate (W, R, G, CO, CL, S, F, L, E, P, M, C, L, M, S, B, Y)	GP	GP	SC	SC	SC	SC	SC	SC	SC	SC
Substrate shape (FL, OF, EL, SF, CL, F, OR, D, W, M, S, B, Y)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type (F, OF, EL, SF, CL, F, OR, D, W, M, S, B, Y)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) (N, NO, AS, R, F, C, B, M, D, H)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (N, NO, AS, R, F, C, B, M, D, H)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK - SPOT CHECK 2 (functional form)</b>										
Material (W, R, G, CO, CL, S, F, L, E, P, M, C, L, M, S, B, Y)	EA	EA	EA	CC	EA	EA	EA	EA	EA	EA
Bank modification(s) (N, NO, AS, R, F, C, B, M, D, H)	NO	NO	NO	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (N, NO, AS, R, F, C, B, M, D, H)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**E. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from: BL, CP, OR, MH, SC, TM, RP, AG, FL, SL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK TOP (structure within 1m) (RUSC)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) (RUSC)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) (RUSC)	U	U	B	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) (RUSC)	U	U	R	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANKTOP (R)	TL	TL	SU	SU	SU	SU	SU	SU	SU	SU

**F. CHANNEL VEGETATION COE (functional form)**

MONO / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad leaved herbs										
Emerg reeds/sedges/rubus										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerg float/leaved										
Filamentous algae										

SITE NO. 6423

**1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 3 of 4**

**I. CHANGED DIMENSIONS (to be assessed at one site on a straight uniform section perpendicular to flow)**

LEFT BANK	Banktop width (m)	4.0	RIGHT BANK		
Banktop height (m)	0.7	Water width (m)	3.5	Banktop height (m)	0.7
Embanked height (m)		Water depth (m)	0.30	Embanked height (m)	

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**II. NATURAL FEATURES (indicate total number)**

Noise  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Sandbridges = 1 Other =  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**III. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

Noise  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State:

**IV. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

Noise   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Branded/old channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fan  Flush

**V. CHOKED CHANNEL (tick appropriate box(es))**

Is 33% or more of the channel choked with vegetation? NO  YES

**VI. OTHER NATURAL OR CULTURAL FEATURES (tick appropriate box(es))**

Noise  Great Hogweed  Himalayan Balsam  Invasive Knotweed  Other? (tick) Rhododendron bracken

**VII. VEGETATION CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - salting - other =  
 Land Management: no side - buffer strip - headland - abandoned land - parkland - MoD - other =  
 Animals: otter - mink - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonfly/damselfly - moorhen - mallard - heron - carp.  
 Other significant observations:  
 nice will stream; artificial lakes, stream  
 Greenback dam on small ditch on willow stream island

**VIII. ALDERS (tick appropriate box(es))**

Allders? None  Present  Extensive  Decayed Alders? None  Present  Extensive

SITE NO. 6423

**1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 3 of 4**

**I. CHANGED DIMENSIONS (to be assessed at one site on a straight uniform section perpendicular to flow)**

LEFT BANK	Banktop width (m)	4.0	RIGHT BANK		
Banktop height (m)	0.7	Water width (m)	3.5	Banktop height (m)	0.7
Embanked height (m)		Water depth (m)	0.30	Embanked height (m)	

If bankline lower than banktop break in slope, indicate: height (m) width (m)

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**II. NATURAL FEATURES (indicate total number)**

Noise  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Sandbridges = 1 Other =  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**III. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

Noise  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State:

**IV. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

Noise   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Branded/old channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fan  Flush

**V. CHOKED CHANNEL (tick appropriate box(es))**

Is 33% or more of the channel choked with vegetation? NO  YES

**VI. OTHER NATURAL OR CULTURAL FEATURES (tick appropriate box(es))**

Noise  Great Hogweed  Himalayan Balsam  Invasive Knotweed  Other? (tick) Rhododendron bracken

**VII. VEGETATION CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - salting - other =  
 Land Management: no side - buffer strip - headland - abandoned land - parkland - MoD - other =  
 Animals: otter - mink - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonfly/damselfly - moorhen - mallard - heron - carp.  
 Other significant observations:  
 nice will stream; artificial lakes, stream  
 Greenback dam on small ditch on willow stream island

**VIII. ALDERS (tick appropriate box(es))**

Allders? None  Present  Extensive  Decayed Alders? None  Present  Extensive

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Soil geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number 6424  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: \_\_\_\_\_ River: L. Y. M. J.

Date 23.1.1996 Time: 09.15 Surveyor name: J. BLANKEN Accreditation code: PFG

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one per box)**

shallow vcc  concave/bowl (if U-shaped glacial valley - add 'U')   
 deep vcc  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and exposure forms TO  
 F. N. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARREN, BN10 6BB

**1. PHYSICAL ATTRIBUTES** (to be assessed across channel width - wide stream) (to be done only once)

Soil cover: 1 = bare, 2 = sparse, 3 = medium, 4 = dense, 5 = very dense

Soil cover (1-5)	1	2	3	4	5	1	2	3	4	5
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	S1	S1	S1	S1	S1	GP	B1	S1	S1	SA
Substrate shape	NA	NA	NA	NA	NA	IR	NA	NA	NA	NA
Flow form	SM	SM	SM	SM	SM	RP	LP	SM	RP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	TR	NO	NO	NO	NO

**2. BANKTOP, LAND USE AND VEGETATION STRUCTURE** (to be assessed over a 10m wide transect)

Land use: choose one from RL, CL, PL, WL, SL, TL, CL, PL, WL, SL, TL

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 5m)	MSWC	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure)	MSWC	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	MSWC	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 5m)	MSWC	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANKTOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

**PLANT GENERA** (tick one per box)

NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bryophytes/lichens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent broad-leaved herbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent rush/cyperus/ruderal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flooding-tolerant (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged fine-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous alga	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SITE NO. 6424

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/local improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		E
Marshland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		E
Scrub (SC)			Open water (OW)		
Tall herb/semi-vegetation (TH)	E	E	Suburban/urban development (SU)		

**Natural/unmodified** L R **Artificial/modified** L R

Vertical/unobscured 2 2 E E **Reinforced**

Vertical - low 2 2 E E **Reinforced - whole bank**

Deep (>45?) 2 2 E E **Reinforced - top only**

Grade 2 2 E E **Reinforced - toe only**

Temporary 2 2 E E **Artificial re-vegetation**

**Associated Features** (tick one box per feature)

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/unobscured	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clump	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scal continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Falling trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Covers woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Associated Features** (tick one box per feature)

None	<input type="checkbox"/>	<input type="checkbox"/>	Marginal shrub/scrub	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankbed	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankbed	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankbed	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankbed	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Marginal silt/clay	<input type="checkbox"/>	<input type="checkbox"/>	Marginal silt/clay	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): wide run pool

**3. CHANNEL DIMENSIONS**

Banktop width (m)	<u>3.0</u>	RIGHT BANK			
Banktop height (m)	<u>0.5</u>	Water width (m)	<u>2.0</u>	Banktop height (m)	<u>1.0</u>
Embankment height (m)	<u>0.25</u>	Water depth (m)	<u>0.25</u>	Embankment height (m)	<u>0.25</u>

If embankment lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: unconsolidated (compact)  unconsolidated (loose)

Location of measurement is: in the  run or glide  other  (tick one box)

Most  Number of  Culverts =  Weirs =  Outfalls =  Ponds =   
 Footbridges =  Roadbridges =  Other =

Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

Most  Dredging  Moving  Weir cutting   
 Embankment  Other? State: \_\_\_\_\_

Most  Waterfalls > 1m high  Artificial open water  Fog  Other (state): \_\_\_\_\_  
 Bankside channels  Natural open water  Can   
 Ditch dams  Water meadows  Marsh   
 Leafy debris  Pile  Flank

Is 33% or more of the channel choked with vegetation? NO  YES

Most  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick one box)

Major impacts: landfill - spilling - litter - sewage - pollution - drought - obstruction - spill - dam - road - industry - banking - mining - quarrying - overstocking - afforestation - herbicide management (tick one)

Land Management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: other - mist - water vole (tick one) Kingfisher - egret - grey heron - sand martin - heron - dragonfly/damselfly

Other significant observations: \_\_\_\_\_

Alford? None  Present  Extensive  Disturbed Alford? None  Present  Extensive

**1996 RIVER HABITAT SURVEY** with IFE mods for plant genera and factors Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Plankton category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6425  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference River: GREAT EA  
 Date: 21/5/1996 Time: 14:25 Surveyor name: J. BURNHAM Accreditation code: PF 6  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:  
 DRAINAGE NUMBER OF RIFLES, POOLS AND POINT BARS (circle and number)  
 Rifles Unvegetated point bars  
 Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOEKE WAREHAM, BRISTOL 688

**1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS** Page 2 of 4

DATE (use DM) for R.I.B.S. Date: 21/5/96 Time: 14:25 Surveyor: J. BURNHAM VEQ number: PF 6

**B. PHYSICAL ATTRIBUTES** (to be assessed across channel within a 1m wide transect) \* one only only

Left Bank	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	NA	NA	NA	NA	NA	IR	IR	IR	IR	IR
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Right Bank	TICK if functional	TICK if functional	TICK if functional	TICK if functional	TICK if functional	TICK if functional	TICK if functional	TICK if functional	TICK if functional	TICK if functional
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**P. BANKTOP LAND USE AND VEGETATION STRUCTURE** (to be assessed once a 10m wide transect)

LAND USE WITHIN 5m OF BANK TOP (L)	TH	BL	BL	BL	BL	RP	RP	RP	RP	RP	RP
LEFT BANK TOP structure within 5m	S	C	C	S	C	S	S	S	S	S	S
LEFT BANK FACE (structure)	BA	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK FACE (structure)	BA	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
RIGHT BANK TOP structure within 5m	S	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	BL	BL	BL	BL	RP	RP	RP	RP	RP	RP

**Q. CHANNEL VEGETATION** (tick one box only)

NONE	PLANT GENERA - list first 5																		
Bryophytes/diatoms	1																		
Emergent broad leaved herbs	1																		
Emergent narrow leaved herbs	1																		
Emergent reeds/rushes	1																		
Flowering leaved (rooted)																			
Free-floating																			
Amphibious																			
Submerged broad leaved																			
Submerged narrow leaved																			
Filamentous algae																			

SITE NO. 6425

**CHANNEL DIMENSIONS AND INFLUENCES**

LEFT BANK	Banktop width (m)	B 3	RIGHT BANK		
Banktop height (m)	0.35	Water width (m)	S 6	Banktop height (m)	0.7
Embanked height (m)		Water depth (m)	0.55	Embanked height (m)	

If trapezoid lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: emulsified (compact)  unconsolidated (loose)  questionable

Location of incision is: riffle  run or glide  other  (tick one box)

**PHYSICAL ATTRIBUTES**

None  Number of Culverts = 1 Weirs = 0 Overfalls = 0 Ponds = 0  
 Footbridges = 1 Runbridges = 0 Other = 0  
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF BANK MANAGEMENT**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State: None

**FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Dry  Other (state) None  
 Branded/side channels  Natural open water  Carr   
 Debris dams  Water meadows  Marsh   
 Leafy debris  Fca  Flush

**CHANNEL VEGETATION**

Is 11% or more of the channel choked with vegetation? No  Yes

**NOTABLE VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle, Rhododendron fraxinea

**MAJOR IMPACTS**

landfill - tipping - litter - sewage pollution - drought - obstruction - mill - dam - road - rail - industry - banking - mining - quarrying - overtopping - afforestation (suburban areas) - other? None

**LOAD MANAGEMENT**

net - sand - buffer strip - bankload - abandoned land - parkland - MoD - other? None

**ANIMALS**

water - bank - water vole - kingfisher - dipper - grey wagtail - sand martin (none) - Arthropods/damselflies - other? None

**OTHER SIGNIFICANT OBSERVATIONS**

glide

Indicate predominant flow sequence (select up to three features): glide

**1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES**

**CHANNEL DIMENSIONS AND INFLUENCES**

LEFT BANK	Banktop width (m)	B 3	RIGHT BANK		
Banktop height (m)	0.35	Water width (m)	S 6	Banktop height (m)	0.7
Embanked height (m)		Water depth (m)	0.55	Embanked height (m)	

If trapezoid lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: emulsified (compact)  unconsolidated (loose)  questionable

Location of incision is: riffle  run or glide  other  (tick one box)

**PHYSICAL ATTRIBUTES**

None  Number of Culverts = 1 Weirs = 0 Overfalls = 0 Ponds = 0  
 Footbridges = 1 Runbridges = 0 Other = 0  
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF BANK MANAGEMENT**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State: None

**FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Dry  Other (state) None  
 Branded/side channels  Natural open water  Carr   
 Debris dams  Water meadows  Marsh   
 Leafy debris  Fca  Flush

**CHANNEL VEGETATION**

Is 11% or more of the channel choked with vegetation? No  Yes

**NOTABLE VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle, Rhododendron fraxinea

**MAJOR IMPACTS**

landfill - tipping - litter - sewage pollution - drought - obstruction - mill - dam - road - rail - industry - banking - mining - quarrying - overtopping - afforestation (suburban areas) - other? None

**LOAD MANAGEMENT**

net - sand - buffer strip - bankload - abandoned land - parkland - MoD - other? None

**ANIMALS**

water - bank - water vole - kingfisher - dipper - grey wagtail - sand martin (none) - Arthropods/damselflies - other? None

**OTHER SIGNIFICANT OBSERVATIONS**

glide

Indicate predominant flow sequence (select up to three features): glide

1996 RIVER HABITAT SURVEY with IFE mode for plant covers and zoning Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number **6426**  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: **River: WILLOUGHBY DRAIN**  
 Date: **21.1.1996** Time: **12:05** Surveyor name: **J. BIRCHMAN** accreditation code: **PFG**

Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bod of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature?  
 No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C DOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE VALLEY FORM NOTES:

**D NUMBER OF RIPPLES, POOLS AND POINT BARS (indicate location)**

Ripples: Unvegetated point bars  
 Pools: Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKK, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 4

**B PHYSICAL ATTRIBUTES (to be assessed across channel within 4 1m wide transects) \* = one party only**

LEFT BANK: Material  EA  EN  ES  EC  EA  EN  ES  EC  
 Bank modification(s)  RS  RS  RS  RS  RS  RS  RS  
 Bank features(s)  NO  NO  NO  NO  
 Channel substrate  S1  S1  S1  S1  S1  S1  
 Substrate shape  NA  NA  NA  NA  
 Flow type  SM  SM  SM  SM  
 Channel modification(s)  RS  RS  RS  RS  
 Channel features(s)  NO  NO  NO  NO

RIGHT BANK: Material  EA  EN  ES  EC  
 Bank modification(s)  RS  RS  RS  RS  
 Bank features(s)  NO  NO  NO  NO

**P BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

LAND USE WITHIN 5m OF BANK TOP (L) **16 16 19 16 16 16 16 16**

LEFT BANK TOP (structure within 1m) **U S S U S S S S S S**  
 LEFT BANK FACE (structure) **S S S S S C C C S S**  
 RIGHT BANK FACE (structure) **S S S S S S S S S S**  
 RIGHT BANK TOP (structure within 1m) **S S S C S U S U S S**

LAND USE WITHIN 5m OF BANK TOP (R) **U H 14 14 16 16 16 16 16**

**D CHANNEL VEGETATION TYPES (tick as appropriate)**

NONE  PLANT GENERA - list first 5

Bryophytes/lichens   
 Emerging broad-leaved herbs   
 Emerging reed/sedge/rushes   
 Floating-leaved (rooted)   
 Free-floating   
 Amphibious   
 Submerged broad-leaved   
 Submerged fine-leaved   
 Filamentous algae

SITE NO. **6426**

**PLANT AND ANIMAL COMMUNITY SURVEY**

**PLANT COMMUNITY SURVEY**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coarse grassland (CG)			Improved/coarse improved grass (IG)	E	V
Orchard (OR)			Tiled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SG)			Open water (OW)		
Tall herbs and vegetation (TH)			Suburban/urban development (SU)		

**WATER CHANNELS**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/vertical	2	2	Excavated	E	E
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Goats			Reinforced - toe only		
Composite			Artificial two-stage		
			Partial		
			Embanked		
			Set-back embankments		

**TEXTURES OF CHANNELS AND ASSOCIATED FEATURES**

TLSES (tick one box per bank)

None	Left	Right	None	Present E (≥ 33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Scam continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Course woody debris	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

None	Present E (≥ 33%)
Marginal ditchwater	<input type="checkbox"/>
Exposed bankrock	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>
Unvegetated mid channel bar(s)	<input type="checkbox"/>
Vegetated mid channel bar(s)	<input type="checkbox"/>
Mature sward(s)	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>

Waterfall(s)  Present  E   
 Cascade(s)  Present  E   
 Rapid(s)  Present  E   
 Riffle(s)  Present  E   
 Run(s)  Present  E   
 Bank(s)  Present  E   
 Oxbow(s)  Present  E   
 Pool(s)  Present  E

Indicate predominant flow sequence (select up to three features): **side**

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 3 of 4

**CHANNEL DIMENSIONS (to be assessed at site site on a straight, uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	8.0	RIGHT BANK
Banktop height (m)	2.2	Water width (m)	3.0
Embarked height (m)		Water depth (m)	0.2
		Embarked height (m)	2.2

If banktop lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  outcrops

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL VEGETATION**

None  Number of Culverts =  Weirs =  Outfalls =  Fords =   
 Footbridges =  Roadbridges =  Other =  (tick one box)  
 Is river impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**CHANNEL MANAGEMENT**

None  Dredging  Mowing  Wood-cutting   
 Embankment  Other? State:

**FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Broad/wide channels  Natural open water  Carr   
 Debris dams  Water enclosures  Marsh   
 Leafy debris  Fca  Flush

**CLOSED CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION SURVEY**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name:  Nettle  Rhododendron  Bracken

**VEGETATION SURVEY**

Major impacts: land use - clipping - litter - storage - pollution - drought - obstruction - spill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silt - other =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: **side**

**ALDER (AS)**

Alder? None  Present  Extensive  Disjunct Alder? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and features Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/Lm) Flow category (1-10)  
 Solid geology code Ditch geology code Platform category  
 Distance from source (km) Significant tributary Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6427  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SH 494 623 River: SCIONY  
 Date: 13/5/1996 Time: 10:00 Surveyor name: M. Houghton Accreditation code: PFG4  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND VEGETATED POINT BARS (indicate total number)**

Riffles: 7 Unvegetated point bars: 1  
 Pools: 0 Vegetated point bars: 0

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1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

FALLY (low flow) time: 11/05/96 Pools: 0 Distance: 1.00 km Veg from bank:

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) 1 = none entry only**

Spot check 1 = upstream ↓ downstream ↑	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if fractional fence										
Material (M) NO CO GS SH PE O CS SF PF CL M BR	5	5	5R	5L	CR	CP	CP	CP	CP	CP
Bank modifications (M) NO PO AS RI FC M BR	1	1	1	1	1	1	1	1	1	1
Bank features (M) NO PE CL CS SF PF CL M BR	5B	5B	NO		NO	NO	NO	NO	NO	NO
<b>CHANNEL</b> TICK if fractional fence										
Channel substrate (M) NO BR CO GS SH PE O CS SF PF CL M BR	CO	CP	SA	CO	NO	CO	CO	CO	CO	CO
Substrate shape (M) NO BR CO GS SH PE O CS SF PF CL M BR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type (M) NO BR CO GS SH PE O CS SF PF CL M BR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modifications (M) NO BR CO GS SH PE O CS SF PF CL M BR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features (M) NO BR CO GS SH PE O CS SF PF CL M BR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b> TICK if fractional fence										
Material (M) NO CO GS SH PE O CS SF PF CL M BR	CO	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modifications (M) NO PO AS RI FC M BR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features (M) NO PE CL CS SF PF CL M BR	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CL, CR, GR, NH, SC, TH, RP, RL, NL, OR, 11

<b>LAND USE WITHIN 5m OF BANKTOP (L)</b>	SC	BL	BL	BL	SC	SC	SC	SC	SC	SC
<b>LEFT BANK TOP structure within 1m (M)</b>	S	S	C	S	S	S	S	C	S	S
<b>LEFT BANK FACE (structure) (M)</b>	U	S	S	S	S	S	S	C	C	C
<b>RIGHT BANK FACE (structure) (M)</b>	S	S	S	S	S	S	S	C	S	S
<b>RIGHT BANK TOP structure within 1m (M)</b>	S	S	U	C	S	S	C	S	S	S
<b>LAND USE WITHIN 5m OF BANK TOP (R)</b>	CL	BL	SC	SE	BL	BL	BL	BL	RL	BL

**G CHANNEL VEGETATION COVERS (tick one box only)**

NONE  PLANT GENERA (for line 5)

Bryophytes/lichens	<input checked="" type="checkbox"/>
Emergent broad-leaved herbs	<input checked="" type="checkbox"/>
Emergent reeds/grasses	<input type="checkbox"/>
Flowering leaved (cotton)	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>
Submerged fine-leaved	<input checked="" type="checkbox"/>
Filamentous algae	<input checked="" type="checkbox"/>

SITE NO 6427

**H HABITAT SURVEY**

**I LAND USE WITHIN 50m OF BANKTOP**

Broadleaved woodland (BL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Rough pasture (RP)	<input type="checkbox"/>	<input type="checkbox"/>
Coniferous plantation (CP)	<input type="checkbox"/>	<input type="checkbox"/>	Improved/semi-improved grass (IG)	<input type="checkbox"/>	<input type="checkbox"/>
Owland (OU)	<input type="checkbox"/>	<input type="checkbox"/>	Tilled land (TL)	<input type="checkbox"/>	<input type="checkbox"/>
Marshland/pond (MH)	<input type="checkbox"/>	<input type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input type="checkbox"/>	<input type="checkbox"/>
Scrub (SQ)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Open water (OW)	<input type="checkbox"/>	<input type="checkbox"/>
Tall herbs' reed vegetation (TH)	<input type="checkbox"/>	<input type="checkbox"/>	Suburban/urban development (SU)	<input type="checkbox"/>	<input type="checkbox"/>

**J BANK TOPS**

Natural/unmodified	<input type="checkbox"/>	<input type="checkbox"/>	Artificial/modified	<input type="checkbox"/>	<input type="checkbox"/>
Vertical/steep	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rationalised	<input type="checkbox"/>	<input type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
Composite	<input type="checkbox"/>	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
			Poached	<input type="checkbox"/>	<input type="checkbox"/>
			Embanked	<input type="checkbox"/>	<input type="checkbox"/>
			Sea bank embankments	<input type="checkbox"/>	<input type="checkbox"/>

**K CHANNEL VEGETATION AND ASSOCIATED FEATURES**

<b>TREES (tick one box per bank)</b>	Left	Right	<b>ASSOCIATED FEATURES (tick one box per feature)</b>	None	Present E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging branches	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Curved woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**L CHANNEL VEGETATION AND ASSOCIATED FEATURES**

Waterfall(s)	None <input type="checkbox"/>	Present E <input type="checkbox"/>	Marginal deadwater	None <input type="checkbox"/>	Present E (≥ 33%) <input type="checkbox"/>
Canal(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapids(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Natural island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Obank(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): 1 2 3

**LAND SURVEY DIMENSIONS AND INFLUENCES**

<b>LEFT BANK</b>	Banktop width (m)	19.90	<b>RIGHT BANK</b>		
Banktop height (m)	1.20	Water width (m)	18.00	Banktop height (m)	1.00
Embanked height (m)		Water depth (m)	0.20	Embanked height (m)	

If waterline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M CHANNEL FEATURES**

New  Number of Culverts = 0 Weirs = 2 Outfalls = 0 Fords = 0  
 Footbridges = 0 Rambridges = 0 Other = 0  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**N PERTURBANCE OF CHANNEL MANAGEMENT**

Name  Dredging  Mowing  Weed cutting   
 Enhancement  Other  Static

**O QUALITIES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bux  Other (state)   
 Bridled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fan  Flush

**P CHANNEL CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle, Rhododendron, bracken

**R MAJOR IMPACTS**

landfill - logging - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - siltation - fisheries management - siting - other =

Land Management: set-back - buffer strip - bankland - abandoned land - putland - MoD - other =

Animals: woad - mink - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonfly/damselfly

Other significant observations: 18 REINFORCED WITH CONCRETE AND WITH 20% SAND: 2

**S CHANNEL VEGETATION**

Algae: None  Present  Extensive  Channel Algae: None  Present  Extensive







**1996 RIVER HABITAT SURVEY FORM FOR SPOT CHECKS** Page 1 of 4

**A. BACKGROUND AND GENERAL INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6430  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: S4799607 River: Conry  
 Date: 18.5.1996 Time: 1720 Surveyor name: M. W. Jackson Accreditation code: 2764

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph general character? (duplicate will be made by scanning) No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box only)**

Rifles 2 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

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**1996 RIVER HABITAT SURVEY FORM FOR SPOT CHECKS** Page 2 of 4

**E. CHANNEL PHYSICAL ATTRIBUTES (tick one box only)**

Site - bank 1 is upstream of description (m)	1	2	3	4	5	6	7	8	9	10
Channel substrate (M, S, G, C, B, L, P, F, A, R, M, J, N)	SA	EA	VA	SA	SA	VA	VA	VA	VA	VA
Bank modification(s) (M, S, G, C, B, L, P, F, A, R, M, J, N)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M, S, G, C, B, L, P, F, A, R, M, J, N)	SB	ME	SC	MS	EC	SC	MS	MS	MS	MS

**F. BANKTOP, LAND USE AND VEGETATION STRUCTURE (tick one box only)**

Land use choose one from M, CP, OH, NH, SC, TH, RP, AG, FL, WL, OY, SU

LAND USE WITHIN 5m OF BANK TOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) (M, S, G, C, B, L, P, F, A, R, M, J, N)	U	S	U	S	U	R	S	S	S	S
LEFT BANK FACE (structure) (M, S, G, C, B, L, P, F, A, R, M, J, N)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) (M, S, G, C, B, L, P, F, A, R, M, J, N)	S	S	B	S	S	S	S	B	B	B
RIGHT BANK TOP (structure within 1m) (M, S, G, C, B, L, P, F, A, R, M, J, N)	S	S	S	U	S	S	S	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	IG	IG	IG	BL	BL	IG	IG	IG

**G. CHANNEL VEGETATION (tick one box only)**

NONE	PLANT GENERA last first S									
Bryophyta/lichens	(M, S, G, C, B, L, P, F, A, R, M, J, N)									
Emergent broad-leaved herbs										
Emergent reed/woody/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Pleurocentric algae										

**SITE NO. 6430**

**HABITAT SURVEY FORM FOR SPOT CHECKS**

Woodland/unimproved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/semi-vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/UNMODIFIED** L R **ARTIFICIAL/MODIFIED** L R

Vertical/undisturbed			Reinforced		
Vertical + toe			Reinforced - whole bank		
Step (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Patched		
			Embanked		
			Set back embankments		

**TRIBUTARY CHANNELS AND ASSOCIATED FEATURES**

None	Left	Right	None	Present E (%)
Isolated/erectored			Shedding channel	
Regularly spaced, single			Overhanging boughs	
Occasional clumps			Exposed bankside roots	
Scal continuous			Underwater tree roots	
Capillary			Fallen trees	
			Coarse woody debris	

**WATERFALLS**

Waterfall(s)	None	Present E (%)
Cascades(s)		
Rapid(s)		
R/Th(s)		
Ran(s)		
Ran(s)		
Other(s)		
Pool(s)		

Indicate predominant flow sequence (select up to three features): \_\_\_\_\_

**1996 RIVER HABITAT SURVEY FORM FOR SPOT CHECKS** Page 3 of 4

**H. CHANNEL DIMENSIONS (tick one box only)**

LEFT BANK	Banktop width (m)	<u>26.7</u>	RIGHT BANK	Banktop width (m)	<u>11.8</u>
Banktop height (m)	Water width (m)	<u>23.5</u>	Banktop height (m)	Water width (m)	<u>23.5</u>
Embanked height (m)	Water depth (m)	<u>0.5</u>	Embanked height (m)	Water depth (m)	<u>0.5</u>

If gradient lower than banktop break in slope, indicate: height (m) = 1.2 width (m) = 74.7

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown   
 Location of measurement is: riffle  run or glide  other  (tick one box)

**I. CHANNEL VEGETATION (tick one box only)**

None  Number of Culverts = 0 Weirs = 2 Outfalls = 0 Ponds = 0  
 Footbridges = 0 Roadbridges = 0 Other = 0  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**J. CHANNEL MANAGEMENT (tick one box only)**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State: \_\_\_\_\_

**K. CHANNEL CHARACTERISTICS (tick one box only)**

None  Waterfalls > 5m high  Artificial open water  Rock  Other (state): \_\_\_\_\_  
 Shaded/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fan  Flush

**L. CHANNEL VEGETATION (tick one box only)**

Is 33% or more of the channel choked with vegetation? NO  YES

**M. CHANNEL VEGETATION (tick one box only)**

None  Giant Hogweed  Hamamelis Virginica  Japanese Knotweed  Other? Name: Mercurialis perennis

**N. CHANNEL VEGETATION (tick one box only)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - suburban development - sitting - other? = \_\_\_\_\_  
 Land Management: set aside - buffer strip - woodland - abandoned head - parkland - MoD - other? = \_\_\_\_\_  
 Animals: otter - mink - water vole - bagfisher - dipper - grey heron - mud martin - heron - dragonfly/damselfly  
 Other significant observations: Small amount of water in channel

**O. CHANNEL VEGETATION (tick one box only)**

Alters? Name  Present  Extensive  Disturbed Alters? Name  Present  Extensive



**RIVER HABITAT SURVEY FORM**

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m)  Solid geology code  Distance from source (km)  Height of source (m)

Slope (m/km)  Lith geology code  Significant tributary  Water Quality Class

Flow category (1-10)  Manform category  Navigation

**B. FIELD SURVEY DETAILS**

Reference network site number: 6432

Mid-size grid reference of network site if different from designated location:

Grid Reference: SH351669 River: ALCO

Date: 21.1.1996 Time: 10:10 Surveyor name: N. J. O'Connell Accreditation code: F864

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
(duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. DOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add 'U')

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  LIFE - VALLEY FORM NOTES:

Riffles  Unvegetated point bars

Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY Has all water samples and expenses claims to: P. R. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BR20 6BB

**RIVER HABITAT SURVEY FORM**

**D. CHANNEL DIMENSIONS AND CHANNEL FEATURES**

Channel width (m)  1 2 3 4 5 6 7 8 9 10

Bank width (m)  1 2 3 4 5 6 7 8 9 10

Bank height (m)  1 2 3 4 5 6 7 8 9 10

Channel substrate:  GP  CO  CP  CL  CA  SA  CA  SA  CA  SA  CA  SA

Channel modification:  1 2 3 4 5 6 7 8 9 10

Channel form:  1 2 3 4 5 6 7 8 9 10

**E. BANK TOP LAND USE AND VEGETATION STRUCTURE (tick one box only)**

Land use, choose one from: N, CP, OL, W, SC, PH, OF, IL, PL, OV, FI

LAND USE WITHIN 5m OF BANK TOP (L)

1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
2G	2G	2G	2G	2G	2G	2G	2G	2G	2G
3G	3G	3G	3G	3G	3G	3G	3G	3G	3G
4G	4G	4G	4G	4G	4G	4G	4G	4G	4G
5G	5G	5G	5G	5G	5G	5G	5G	5G	5G
6G	6G	6G	6G	6G	6G	6G	6G	6G	6G
7G	7G	7G	7G	7G	7G	7G	7G	7G	7G
8G	8G	8G	8G	8G	8G	8G	8G	8G	8G
9G	9G	9G	9G	9G	9G	9G	9G	9G	9G
10G	10G	10G	10G	10G	10G	10G	10G	10G	10G

**F. PLANT GENERA (tick one box only)**

None  Bryophytes  Mosses  Liverworts  Ferns  Flowering plants  Gymnosperms  Angiosperms

**SITE NO. 6432**

**G. CHANNEL VEGETATION**

	L	R		L	R
Broadleaved woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SD)		

**H. CHANNEL VEGETATION (continued)**

Natural/nominal bed	L	R	Artificial/modified	L	R
Vertical/obscure	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Structural		
Vertical + low			Reinforced - whole bank		
Roop (> 45°)			Reinforced - top only		
Counts			Reinforced - rest only		
Composite			Artificial re-vegetation		
			Patched		
			Embedded		
			Set back embankments		

**I. CHANNEL VEGETATION (continued)**

TELES (tick one box per bank)

None	Left	Right	None	Present E (2/3/5)
Leafless/woody	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed buttress roots	<input type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Partial trees	<input type="checkbox"/>
			Canopy woody debris	<input type="checkbox"/>

**J. CHANNEL VEGETATION (continued)**

Water(s)	None	Present E (2/3/5)	None	Present E (2/3/5)
Overbank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal downwater	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Rise(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>
Obstacle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature alder(s)	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
			Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

**RIVER HABITAT SURVEY FORM**

**K. CHANNEL DIMENSIONS AND CHANNEL FEATURES**

Channel width (m)  1 2 3 4 5 6 7 8 9 10

Bank width (m)  1 2 3 4 5 6 7 8 9 10

Bank height (m)  1 2 3 4 5 6 7 8 9 10

Channel depth (m)  1 2 3 4 5 6 7 8 9 10

Channel form:  1 2 3 4 5 6 7 8 9 10

Channel substrate:  GP  CO  CP  CL  CA  SA  CA  SA  CA  SA

Channel modification:  1 2 3 4 5 6 7 8 9 10

Channel form:  1 2 3 4 5 6 7 8 9 10

**L. CHANNEL VEGETATION**

None  Bryophytes  Mosses  Liverworts  Ferns  Flowering plants  Gymnosperms  Angiosperms

**M. CHANNEL VEGETATION (continued)**

None  Bryophytes  Mosses  Liverworts  Ferns  Flowering plants  Gymnosperms  Angiosperms

**N. CHANNEL VEGETATION (continued)**

None  Bryophytes  Mosses  Liverworts  Ferns  Flowering plants  Gymnosperms  Angiosperms

**O. CHANNEL VEGETATION (continued)**

None  Bryophytes  Mosses  Liverworts  Ferns  Flowering plants  Gymnosperms  Angiosperms





**BACKGROUND AND DESIGN INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ (soil) geology code \_\_\_\_\_ Mainform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number 6435  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: SS297602 River: Awa  
 Date: 20.5.1996 Time: 10.40 Surveyor name: N.H. Jones Accreditation code: PF64

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  (IFE - VALLEY FORM NOTES)

**RIFFLES AND POINT BARS**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

COMPLETED FORMS REFLECT all water samples and exposure claims TO  
 JAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

**CHANNEL CHARACTERISTICS SURVEY DIMENSIONS AND CHANNEL CHANGES**

TALLY (see PDF for - Riffles etc.)

Year checked for upstream of measurement	1	2	3	4	5	6	7	8	9	10
Material type (M) CO, CL, CA, PE, CE, SP, CP, CA, CL, CA, PE, CE, SP, CP	SA	BL	JA	SA	SA	SA	SA	SA	SA	SA
Bank modification(s)	NO	RI	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	CO	GP	CO	GP	CO	GP	CO	GP	CO	GP
Substrate shape	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material type (M) CO, CL, CA, PE, CE, SP, CP, CA, CL, CA, PE, CE, SP, CP	SA	SA	CL	CL	CA	CL	CL	CA	CA	CA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL LAND USE AND VEGETATION STRUCTURE**

Land use: check one from R, CP, OR, HA, SC, TH, RP, NO, FL, PL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	CL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m) BASIC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BASIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BASIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BASIC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	TH	TH	TH	TH	TH	TH	TH	TH

**VEGETATION**

NONE / PLANT GENERA - list from S

Bryophytes/lichens										
Emergent broad leaved herbs										
Emergent reeds/sedges/rushes										
Flooding leaved (reeds)										
Fragrants										
Amphibious										
Submerged broad leaved										
Submerged fine leaved										
Filamentous algae										

FE NO. 6435

**CHANNEL CHARACTERISTICS SURVEY DIMENSIONS AND CHANNEL CHANGES**

LEFT BANK	Banktop width (m)	9.0	RIGHT BANK	
Banktop height (m)	Water width (m)	7.4	Banktop height (m)	0.1
Embankment height (m)	Water depth (m)	0.3	Embankment height (m)	

(If banktop lower than banktop break in slope, indicate: height (m) = width (m) =)

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chalkstone

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Roadbridges = 1 Other = 0  
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**VEGETATION OF OVERBANKS**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other:

**VEGETATION OF CHANNEL BANKS**

None  Artificial open water  Bog  Other (state)   
 Brackish/side channels  Natural open water  Carr   
 Obvious dunes  Water meadow  Marsh   
 Leafy debris  Peat  Fresh

**VEGETATION OF CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION OF CHANNEL**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other:  North Rhododendron bracken

**VEGETATION OF CHANNEL**

Major impacts: bankSL - slipping - litter - sewage - pollution - through - destruction - mill - dam - road - rail - industry - burning - mining - quarrying - overtopping - effluent - effluent - fisheries management - silt - other? \_\_\_\_\_

Land Management: sit aside - buffer strip - bankline - abandoned land (partland) - MoD - other? \_\_\_\_\_

Animals: other - small - water vole - kingfisher - dipper - grey heron - moor martin - heron - dragonfly/damselfly

Other significant observations: \_\_\_\_\_

**TRACES (tick one box per bank)**

None	Left	Right	None	Percent E (2.33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Rapidly spread, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Percent E (2.33%)
Marginal down-drift	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>
Unvegetated mud channel bar(s)	<input checked="" type="checkbox"/>
Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>
Mature island(s)	<input type="checkbox"/>
Unvegetated side bar(s)	<input checked="" type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>

**WATERBARS**

None	Percent E
Waterbar(s)	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>
Bank(s)	<input type="checkbox"/>
Obide(s)	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>

the predominate flow sequence (select up to three features): Riffle - Run - Pool

**CHANNEL CHARACTERISTICS SURVEY DIMENSIONS AND CHANNEL CHANGES**

**VEGETATION**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Roadbridges = 1 Other = 0  
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**VEGETATION OF OVERBANKS**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other:

**VEGETATION OF CHANNEL BANKS**

None  Artificial open water  Bog  Other (state)   
 Brackish/side channels  Natural open water  Carr   
 Obvious dunes  Water meadow  Marsh   
 Leafy debris  Peat  Fresh

**VEGETATION OF CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION OF CHANNEL**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other:  North Rhododendron bracken

**VEGETATION OF CHANNEL**

Major impacts: bankSL - slipping - litter - sewage - pollution - through - destruction - mill - dam - road - rail - industry - burning - mining - quarrying - overtopping - effluent - effluent - fisheries management - silt - other? \_\_\_\_\_

Land Management: sit aside - buffer strip - bankline - abandoned land (partland) - MoD - other? \_\_\_\_\_

Animals: other - small - water vole - kingfisher - dipper - grey heron - moor martin - heron - dragonfly/damselfly

Other significant observations: \_\_\_\_\_

**TRACES (tick one box per bank)**

None	Left	Right	None	Percent E (2.33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Rapidly spread, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Percent E (2.33%)
Marginal down-drift	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>
Unvegetated mud channel bar(s)	<input checked="" type="checkbox"/>
Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>
Mature island(s)	<input type="checkbox"/>
Unvegetated side bar(s)	<input checked="" type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>

**WATERBARS**

None	Percent E
Waterbar(s)	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>
Bank(s)	<input type="checkbox"/>
Obide(s)	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>

the predominate flow sequence (select up to three features): Riffle - Run - Pool

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6436  
 Mid-site grid reference of network site if different from designated location: SS 318653

Grid Reference: SS318653 River: Bismington Brook  
 Date: 3.9.1996 Time: 11:45 Surveyor name: M. J. Cairns Accreditation code: PF64

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  LIFE - VALLEY FORM NOTES:

**TOPOGRAPHY**

Riffles 12 Unvegetated point bars   
 Pools 2 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all meter samples and expense claims TO:  
 N. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BH20 8BB

**PHYSICAL ATTRIBUTES (tick as appropriate)**

Code	1	2	3	4	5	6	7	8	9	10
Channel substrate (M, S, G, P, L, C, B, R, D, O, N, U, V, W, X, Y, Z)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank substrate (M, S, G, P, L, C, B, R, D, O, N, U, V, W, X, Y, Z)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Channel substrate (M, S, G, P, L, C, B, R, D, O, N, U, V, W, X, Y, Z)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank substrate (M, S, G, P, L, C, B, R, D, O, N, U, V, W, X, Y, Z)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL

**RIGHT BANK (tick as appropriate)**

Channel substrate (M, S, G, P, L, C, B, R, D, O, N, U, V, W, X, Y, Z)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank substrate (M, S, G, P, L, C, B, R, D, O, N, U, V, W, X, Y, Z)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL

**LEFT BANK (tick as appropriate)**

Channel substrate (M, S, G, P, L, C, B, R, D, O, N, U, V, W, X, Y, Z)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank substrate (M, S, G, P, L, C, B, R, D, O, N, U, V, W, X, Y, Z)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL

**LAND USE WITHIN 5m OF BANKTOP (L)**

TH	IC	IG	BL	BL	SL	SL	SL	SL	SL	SL
----	----	----	----	----	----	----	----	----	----	----

**LAND USE WITHIN 5m OF BANKTOP (R)**

TH	IC	IG	BL	BL	SL	SL	SL	SL	SL	SL
----	----	----	----	----	----	----	----	----	----	----

**PLANT GROWTH - tick one box**

None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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**EMERGENCY FEATURES**

Emergency flood control works	<input type="checkbox"/>
Emergency road/culvert/structure	<input type="checkbox"/>
Planting (road)	<input type="checkbox"/>
Fire-protecting	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>
Submerged bank/structure	<input type="checkbox"/>
Subsiding bank/structure	<input type="checkbox"/>
Floodplain edge	<input type="checkbox"/>

**SITE NO. 6436**

**VEGETATION WITHIN 5m OF BANKTOP**

	L	R		L	R
Broadleaved woodland (BL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Rough pasture (RP)	<input type="checkbox"/>	<input type="checkbox"/>
Coniferous plantation (CP)	<input type="checkbox"/>	<input type="checkbox"/>	Improved/mixed improved grass (IG)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Orchard (OR)	<input type="checkbox"/>	<input type="checkbox"/>	Tidal flat (TF)	<input type="checkbox"/>	<input type="checkbox"/>
Moorland/heath (MH)	<input type="checkbox"/>	<input type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input type="checkbox"/>	<input type="checkbox"/>
Scrub (SC)	<input type="checkbox"/>	<input type="checkbox"/>	Open water (OW)	<input type="checkbox"/>	<input type="checkbox"/>
Tall herb/ meadow vegetation (TH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Suburban/urban development (SU)	<input type="checkbox"/>	<input type="checkbox"/>

**NATURAL/MANMADE**

	L	R	Artificial/modified	L	R
Vertical/embankment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reinforced	<input type="checkbox"/>	<input type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (> 45°)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Coarse	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - non-rigid	<input type="checkbox"/>	<input type="checkbox"/>
Concrete	<input type="checkbox"/>	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
			Pushed	<input type="checkbox"/>	<input type="checkbox"/>
			Embanked	<input type="checkbox"/>	<input type="checkbox"/>
			Set back embankment	<input type="checkbox"/>	<input type="checkbox"/>

**TESTS (tick one box per bank)**

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Unlined/uncovered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional change	<input type="checkbox"/>	<input type="checkbox"/>
Small embankment	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Shaking of channel	<input type="checkbox"/>	Present E (2.11%)
Overhanging boulders	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Current woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATERBODIES**

	None	Present E (2.11%)
Marginal ditch/pond	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Meters island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): River - Riv. - Gaze

**CHANNEL DIMENSIONS AND CHARACTERISTICS**

LEFT BANK	Banktop width (m)	3.1	RIGHT BANK	Banktop width (m)	0.7
Banktop height (m)	0.8	Water width (m)	2.0	Banktop height (m)	0.7
Embankment height (m)	0.05	Water depth (m)	0.05	Embankment height (m)	0.05

If embankment lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chalkstone

Location of measurement is: riffle  rap or glide  other  (tick one box)

**CHANNEL CHARACTERISTICS**

Name:  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Feeders = 3 Roadbridges = 1 Other = Down  
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**CHANNEL MANAGEMENT**

Name:  Dredging  Mowing  Weed cutting   
 Herbicides  Other? State: \_\_\_\_\_

**CHANNEL OBSTRUCTIONS**

Name:  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Natural open water  Can   
 Water cascade  Marsh   
 Log debris  Foss  Pools

**VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

**CHANNEL OBSTRUCTIONS**

Name:  Great Haywood  Himalaya Balsam  Japanese Knotweed  Other (tick)  Rhododendron bracken

**MAJOR OBSTRUCTIONS**

Major obstructions: banking - dipping - litter - storage - pollution - drought (check) - mill - dam - road - rail - factory -  
 tunnel - mining - quarrying - overtopping - alterations - subsidence - embankment - other? = \_\_\_\_\_

Lead Management: on-site - buffer strip - banked - channelled lead (partially) - MeD - other? = \_\_\_\_\_

Animals: other - mink - water vole - kingfisher - dipper - grey heron - mud martin - heron - dragonfly/damselfly

Other significant observations: \_\_\_\_\_

Surveyor Name:  Present  Extension  District Allow? Name:  Present  Extension



1996 RIVER HABITAT SURVEY (with 1111 codes for plant species and faunal species) Page 1 of 4

### A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Soil geology code \_\_\_\_\_ Drain geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

### B. FIELD SURVEY DETAILS

Reference network site number: **6441**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River **OIOOULPI BROOK**  
 Date **31/5/1996** Time: **17:04** Surveyor name: **JULIAN** Accreditation code: **PF??**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

### C. PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  (IFE - VALLEY FORM NOTES: \_\_\_\_\_)

### D. DISTRIBUTION OF RIFLES, POOLS AND POINT BARS

Rifles: **4** Unvegetated point bars: **0**  
 Pools: **0** Vegetated point bars: **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and specimens claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARHAM, BH10 6BE

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SITE NO: **6441**

### E. CHANNEL CHARACTERISTICS AND ASSOCIATED FEATURES

	L	R		L	R
Bank/shoulder - natural (BL)		<input checked="" type="checkbox"/>	Bank features (BF)		
Coastal/estuarine (CE)			Improved/semi-improved grass (IG)		
Channel (CH)			Tilled land (TL)		
Meander/bend (MH)			Walled (by log, marsh, etc) (WL)		
Scrub (SC)	<input checked="" type="checkbox"/>		Open water (OW)		
Tall herb/road vegetation (TH)			Subsided/urban development (SU)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

### F. CHANNEL CHARACTERISTICS AND ASSOCIATED FEATURES (continued)

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/erosion	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		
Vertical - toe			Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Slope (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Grass			Reinforced - toe only		
Concrete			Artificial two-stage		
			Ponched		
			Embedded		
			Soil cut embankment		

### G. TREES (tick one box per bank)

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None <input type="checkbox"/> Present E (1-11%) <input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>
Occasional clump	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>
Small continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Course woody debris	<input type="checkbox"/>

### H. CHANNEL CHARACTERISTICS AND ASSOCIATED FEATURES (continued)

	None	Present E (2-11%)	None	Present E (12-33%)
Waterfalls (W)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal downriver	<input checked="" type="checkbox"/>
Concours (C)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Rapid (R)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Riffle (I)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>
Run (S)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>
Boil (B)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Movers island(s)	<input type="checkbox"/>
Chute (D)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>
Pool (P)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **Chute/Riffle → Run**

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### I. CHANNEL CHARACTERISTICS AND ASSOCIATED FEATURES (continued)

TALLY (see B) for - Rifles  Pools  Unveg. side bars  Veg point bars

### J. CHANNEL CHARACTERISTICS AND ASSOCIATED FEATURES (continued)

Spec class 1 in: upstream	2	3	4	5	6	7	8	9	10	
Material (M)	BR	CP	SE	EA	BC	BR	IR	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (S)	NV	BO	NV	CO	NV	CP	NV	NO	AR	NV
Substrate slope	NA	IR	NA	IR	NA	IR	NA	IR	NA	IR
Flow speed	SM	UV	SM	SM	RP	RP	RP	UV	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### K. CHANNEL CHARACTERISTICS AND ASSOCIATED FEATURES (continued)

LEFT BANK	RIGHT BANK
Banktop width (m): <b>0.4</b>	Banktop width (m): <b>0.4</b>
Banktop height (m): <b>0.4</b>	Banktop height (m): <b>0.4</b>
Embankment height (m): <b>0.4</b>	Embankment height (m): <b>0.4</b>
Water width (m): <b>0.4</b>	Water width (m): <b>0.4</b>
Water depth (m): <b>0.4</b>	Water depth (m): <b>0.4</b>

If gradient lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width(m) = \_\_\_\_\_

Bed material at site is:  unconsolidated (compact)  unconsolidated (loose)  Chalkstone

Location of measurement is: riffle  run or glide  other  (tick one box)

### L. CHANNEL CHARACTERISTICS AND ASSOCIATED FEATURES (continued)

None  Number of Obverts = **0** Weirs = **4** Outfalls = **0** Fords = **0**  
 Footbridges = **1** Roadbridges = **0** Other = **1**  
 Is water impounded by weir/ford? No  Yes, <15% of site  >15% of site

### M. CHANNEL CHARACTERISTICS AND ASSOCIATED FEATURES (continued)

None  Dredging  Mowing  Weir cutting   
 Enhancement  **Other**  See bank side notes

### N. CHANNEL CHARACTERISTICS AND ASSOCIATED FEATURES (continued)

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Bridled/side channels  Natural open water  Can   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flats

Is 15% or more of the channel choked with vegetation? NO  YES

### O. CHANNEL CHARACTERISTICS AND ASSOCIATED FEATURES (continued)

None  Quail Haywood  Himalayan Balsam  Japanese Knotweed  Other?  North Rhododendron structure

### P. CHANNEL CHARACTERISTICS AND ASSOCIATED FEATURES (continued)

Major impacts:  banktop - tipping - litter -  pollution - drought - obstruction - spill - dam - road - rail - factory -  quarrying - quarrying - overgrazing - afforestation -  herbicide management -  other? = \_\_\_\_\_

Land Management:  on catch - buffer strip -  bankland -  abandoned land -  pasture -  MoD - other? = \_\_\_\_\_

Animals:  other -  mink -  water vole -  kingfisher -  otter -  grey heron -  sand martin -  heron -  dragonfly/damselfly

Other significant observations: **See bank side notes**

ALTER? None  Present  Extensive  Disturbed Alter? None  Present  Extensive

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### Q. CHANNEL CHARACTERISTICS AND ASSOCIATED FEATURES (continued)

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	CA	TH	TH	SU	SU	SC	SC
LEFT BANK TOP (structure within 1m) <b>NAVSC</b>	S	U	S	U	U	S	S	S	S
LEFT BANK FACE (structure) <b>NAVSC</b>	B	U	U	U	U	S	S	S	S
RIGHT BANK FACE (structure) <b>NAVSC</b>	S	S	S	M	S	S	S	U	S
RIGHT BANK TOP (structure within 1m) <b>NAVSC</b>	S	S	S	E	C	S	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	TH

### R. CHANNEL CHARACTERISTICS AND ASSOCIATED FEATURES (continued)

NONE	PLANT GENERA - Use Code S
Bryophytes/lichens	<input checked="" type="checkbox"/>
Emergent broad-leaved herbs	<input checked="" type="checkbox"/>
Emergent reeds/rushes/cyperoids	<input checked="" type="checkbox"/>
Non-flowering broad-leaved	<input checked="" type="checkbox"/>
Free-floating	<input type="checkbox"/>
Amphibians	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>
Submerged flowering aquatic	<input type="checkbox"/>
Invertebrates	<input type="checkbox"/>











**BACKGROUND MAP-BASED INFORMATION:**

Altitude (m)	Slope (m/m)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary	Navigation 'N'
Height of source (m)	Water Quality Class	

**FIELD SURVEY DETAILS:**

Reference network site number: 6446

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: ROTHER

Date: 31/5/1996 Time: 0.09 Surveyor name: JURKAN Accreditation code: PF27

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
(duplicate will be made by scanning)  
and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee	concave/bowl (if U-shaped glacial valley add 'U')
deep vee	symmetrical floodplain
gorge	asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**RIFFLES AND POINT BARS**

Riffles: 4 Unvegetated point bars: 1

Pools: 3 Vegetated point bars: 1

COMPLETED FORMS WHEEL plus all water samples and expense claims TO  
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

SITE NO 6446

	L	R		L	R
Bank/soil - in situ (B)			Bank (where RL)		
Conifer plantation (CP)			Improved/area covered grass (IG)		
Orchard (OR)			Filled land (FL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	E	✓	Open water (OW)		
Tall herb/ reed vegetation (TH)	E	E	Suburban/urban development (SU)	E	✓

Material/annual food	L	R	Artificial modified	L	R
Vertical/undercut	✓	✓	Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Pitched		
			Embanked		✓
			Set back embankments		✓

**TREES (tick one box per bank)**

	Left	Right		None	Present E (>1%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scrub continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Waterfall(s)	None	Present E	Marginal ditch/weir	None	Present E (>1%)
Concave(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Marsh island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Choke(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

ALLY (see 20) for: Riffles 11 Pools 0 Unveg. side bars 1 Veg point bars 1

pot check 1 is: open/closed <input checked="" type="checkbox"/> <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material (see 20) for: Riffles <u>11</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank desc/structure(s)	ND	ND	EM	ND	ND	ND	ND	ND	ND	ND
veg features(s)	NO	BB	NO	NO	ND	EC	ND	NO	SC	ND
Channel substrate (see 20)	CO	CO	NV	NV	NV	NV	NV	NV	NV	SA
Substrate shape (see 20)	IR	PL	NA	NA	NA	NA	NA	NA	NA	NA
veg	UV	UV	SM	SM	AP	SM	SM	SM	SM	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	FE	ND	TR	ND	NO	TR	ND	NO	NO	NO
Bank desc/structure(s)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
veg features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
veg	NO	SC	NO	NO	NO	BB	NO	NO	SC	NO

**LAND USE WITHIN 5m OF BANKTOP (L)**

	SC	SC	SC	SC	BL	BL	TH	TH	TH	BL
LEFT BANK TOP (structure within 5m) MUSIC	C	S	C	C	S	S	S	S	S	S
LEFT BANK FACE (structure) MUSIC	U	S	U	B	B	S	S	S	U	C
HT BANK FACE (structure) MUSIC	S	B	U	B	U	S	S	U	S	S
HT BANK TOP (structure within 5m) MUSIC	S	S	S	S	S	U	C	S	S	S
LAND USE WITHIN 5m OF BANK TOP (L)	IG	TH	TH	TH	BL	SC	TH	TH	TH	TH

**PLANT GENERA - Not less 5**

VE		✓	✓	✓	✓	✓	✓	✓	✓	✓
Spiphyllaceous		✓								
Emerg broad leaved herbs										
Emerg reeds/sedges/rushes		E								
veg leaved (reeds)										
leaved										
unleaved										✓
Submerged broad leaved										
veg floating leaved										
reeds of reeds		E								

**CHANNEL DIMENSIONS AND BANK AVERAGES**

LEFT BANK	Banktop width (m)	<u>4.1</u>	RIGHT BANK	Banktop width (m)	<u>4.1</u>
Banktop height (m)	<u>0.25</u>	Water width (m)	<u>4.1</u>	Banktop height (m)	<u>0.25</u>
Embanked height (m)	<u>0.11</u>	Water depth (m)	<u>0.11</u>	Embanked height (m)	<u>0.11</u>

If bedrock lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL FEATURES**

None  Number of Obverts = 0 Weirs = 0 Outlets = 0 Ferds = 0  
Footbridges = 0 Roadbridges = 0 Other = 0

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

None  Dredging  Mowing  Wood cutting   
Enhancement  Other? Stake

**CHANNEL CHOKING**

Is 33% or more of the channel choked with vegetation? NO  YES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Marsh Marigold/Androsace stricta

**MAJOR IMPACTS:** bankfill - drying  pollution - drought - obstruction - silt - dam - road - rail   
breeding - shading - quarrying - overgrazing - afforestation - fisheries management - staking - staking

**LEAD MANAGEMENT:** cut aside - buffer strip - bankfill (abandoned land) - portland - M&O - other? None

**ANIMALS:** other - mist - water vole - Kingfisher - dipper - grey heron - sand martin - heron - dragonfly/ damselfly

**OTHER SIGNIFICANT OBSERVATIONS:** None

Address: None  Present  Extension  Dismantled Address: None  Present  Extension



**BACKGROUND MATERIAL INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**RIVER SURVEY DETAILS**

Reference network site number: 6451

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Trent

Date: 14/6/1996 Time: 9:15 Surveyor name: WJL Accreditation code: PF43

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM**

shallow vee  concave/bowl  
 (if U-shaped glacial valley - add 'U')

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Teraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

tuffs  Unvegetated point bars  
 boulders  Vegetated point bars

**DO NOT COMPLETE FORMS WEEKLY plus all water samples and expenses claims TO  
 DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BB 20 6BB**

**RIVER HABITAT SURVEY DIMENSIONS AND INTERFERENCES**

Channel dimensions (to be measured at the site on a straight uniform section, preferably 100m long)

Spot check 10 m upstream / downstream	1	2	3	4	5	6	7	8	9	10
Material (M) (M, S, G, C, L, P, O, CL, F, PL, G, H, S, B, D)	NV	NV	NV	NV	SV	NV	NV	NV	NV	NV
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material (M) (M, S, G, C, L, P, O, CL, F, PL, G, H, S, B, D)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	SC	SC	NO	NO	SC	SC	NO	NO

Land use: choose one from M, C, O, N, S, TH, R, P, K, FL, HL, O, W, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
LEFT BANK TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	U	U	U	U	U	U	U	U	U	U

**GROUND VEGETATION PRESENT**

NONE / PLANT GENERA - List from 1	1	2	3	4	5	6	7	8	9	10
Bryophytes/Lichens										
Emerg broad-leaved herbs										
Emerg mud/sedge/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg floating-leaved										
Filamentous algae										

**RIVER HABITAT SURVEY (SOILS AND VEGETATION)**

	L	R		L	R
Unimproved woodland (BL)			Rough pasture (RP)		
Intensive plantation (CP)			Improved/semi-improved grass (IG)	E	E
Hard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Open (SQ)			Open water (OW)		
Herbs/semi-vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/UNMODIFIED**

	L	R	Artificial/modified	L	R
Local/woodland	E	E	Reinforced		
Local + toe			Reinforced - whole bank		
Grass (>45°)	E	E	Reinforced - top only		
Grass			Reinforced - toe only		
Bank			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankment		

**QUANTITY OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2-11%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Conifer woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATER CHARACTERISTICS**

	None	Present E (2-11%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>
Caude(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

predominant flow sequence (select up to three features): Glide

**RIVER HABITAT SURVEY DIMENSIONS AND INTERFERENCES**

**CHANNEL DIMENSIONS** (to be measured at the site on a straight uniform section, preferably 100m long)

LEFT BANK	Banktop width (m)	SZ	RIGHT BANK
Banktop height (m)	4.5	SO	Banktop height (m)
Embanked height (m)		NK	Embanked height (m)

If treeless lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURAL FEATURES** (tick one box per feature)

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RIVER MANAGEMENT** (tick one box per feature)

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? Silt

**FEATURES OF SPECIAL INTEREST** (tick appropriate box(es))

None  Artificial open water  Bog  Other (state)  
 Braked/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNEL** (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

**DOMINANT SEDGE PLANT SPECIES** (tick appropriate box(es))

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**VEGETATION CHARACTERISTICS**

Major impact: landfill - slipping - litter - sewage; pollution; drought - obstruction - mill - dam - road - rail industry -  
 housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - minnow - water vole - bryophyte - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations:  
One case of enthrined water fringed by Accorus. very  
small fish. See photo

Address: None  Present  Extensive  Discussed Address? None  Present  Extensive

### BACKGROUND MATERIAL INFORMATION

Altitude (m) \_\_\_\_\_ Slope (m/m) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigable? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

Reference network site number: 6452

Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: W. Thompson

Date: 13/6/1996 Time: 15.20 Surveyor name: JJC Accreditation code: PF43

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

### PREDOMINANT VALLEY FORM

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')

deep vee  symmetrical floodplain

terrace valley floor? No  Yes  IFE VALLEY FORM NOTES:

Riffles \_\_\_\_\_ Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

DO NOT COMPLETE FORMS WITHOUT plus all water samples and capex claims TO  
 DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, SR NO 688

### CHANNEL DIMENSIONS AND INFLUENCES

Channel width (m) \_\_\_\_\_ Bank height (m) \_\_\_\_\_

Channel width (m)	1	2	3	4	5	6	7	8	9	10
Bank height (m)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Substrate shape	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel bed (structure)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank material (structure)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### LAND USE WITHIN 50m OF BANK TOP

Land use	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP (structure with 1m) BASIC	U	V	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BASIC	U	V	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BASIC	U	V	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure with 1m) BASIC	U	V	U	U	U	U	U	U	U	U

### PLANT GENERA - List Gen 5

Genus	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg. broad leaved herbs										
Emerg. reed and grasses										
Flowering forest (wood)										
Free-flowing										
Scrub/shrub										
Submerged broad leaved										
Submerged herbaceous forest										
Filicinaceous algae										

### CHARACTERISTICS OF CHANNELS

Channel type	L	R
Broad/neutral wooded (BL)		
Coastal/marsh (CP)		
Orchard (OR)		
Moorland/heath (MH)		
Scrub (SC)		
Tall herb/wood vegetation (TH)	E	

### NATURAL/UNMODIFIED

Channel type	L	R
Vertical/undrained		
Vertical + toe		
Slope (>4%)		
Grass		
Composite		

### ARTIFICIAL/MODIFIED

Channel type	L	R
Reinforced - whole bank		
Reinforced - top only		
Reinforced - toe only		
Artificial two-stage		
Poached		
Embanked		
Set back embankment		

### TREES (tick one box per bank)

None	Left	Right
Isolated/scattered		
Regularly spaced, single		
Occasional clumps		
Semi continuous		
Continuous		

### ASSOCIATED FEATURES (tick one box per feature)

None	Present E (2/3%)
Shading of channel	
Overhanging boughs	
Exposed bankside roots	
Underwater tree roots	
Fallen trees	
Coarse woody debris	

### WATERFALLS (tick one box per bank)

None	Present E (2/3%)
Marginal downwater	
Exposed bedrock	
Exposed boulders	
Unvegetated mid channel bar(s)	
Vegetated mid channel bar(s)	
Minor island(s)	
Unvegetated side bar(s)	
Vegetated side bar(s)	

Indicate predominant flow sequence (select up to three features): Glide

### CHANNEL DIMENSIONS

Banktop width (m)	100	RIGHT BANK
Banktop height (m)	1.3	Banktop height (m)
Water width (m)	80	Water depth (m)
Embanked height (m)	NK	Embanked height (m)

If waterfalls lower than banktop level in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chertstone

Location of measurement is: riffle  run or glide  eddy  (tick one box)

### CHARACTERISTICS OF CHANNELS

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Falls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Bankbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weirs/banks? No  Yes  (<33% of site >33% of site)

### RECORD OF CHANNEL MAINTENANCE

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other 1  Other 2

### DETAILS OF SPECIAL FEATURES

None  Waterfalls > 5m high  Artificial open water  Bag  Other (state)   
 Brushed/rocks channels  Natural open water  Carr   
 Debris dams  Water meadows  Marsh   
 Lorry debris  Fins  Flats

Is 33% or more of the channel choked with vegetation? NO  YES

### DIAGNOSIS OF CHANNEL PROBLEMS

None  Overtopping  Kinship Balance  Excessive Knotweed  Other: None/Redundant structure

### CAUSES OF CHANNEL PROBLEMS

Major impacts: landfill - tipping - litter - sewage - pollution - transport - agriculture - mill - dam - pond - mill industry - housing - mining - quarrying - overgrazing - afforestation - fabric management - mining - other -

Land Management: no side - buffer strip - banked - abandoned land - parked - MoD - other -

Animals: swamp - seal - water vole - lapwing - dipper - grey heron - wood curlew - heron - dragonfly/damselfly

Other significant observations: low-level debris very uniform. Cost: cooling sheet.

Alford: None  Present  Extensive  Discharge Alford: None  Present  Extensive





















**1. RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES** (Page 1 of 4)

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-11) \_\_\_\_\_  
 Soil geology - odc \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_




**B. FIELD SURVEY DETAILS**

Reference network site number 5461  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference S1607581 River NWT PRS  
 Date 6/5/1996 Time 8:45 Surveyor name M. Hodson Accreditation code PF64

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bod of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee   concave/bowl (if U-shaped glacial valley, add 'U')  
 deep vee   symmetrical floodplain  
 gorge   asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. CHANNEL DIMENSIONS, POOLS AND POINT BARS (tick one box only)**

Riffles 9 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, FAST STAKE, WAREHAM, BH20 6BB

**2. RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES** (Page 2 of 4)

**E. CHANNEL DIMENSIONS**

LEFT BANK: Material BD GA GS GP GR H I SA EA CE  
 Bank modification(s) NO NO NO NO NO NO NO NO NO NO  
 Bank feature(s) NO EC SB SB SB EC NO NO NO NO

RIGHT BANK: Material CG CO BR BR GA GS EA EA CO BR  
 Bank modification(s) NO NO NO NO NO NO NO NO NO NO  
 Bank feature(s) NO GB SB NO NO NO SB EC NO SB NO

**F. BANKTOP, LAND USE AND VEGETATION STRUCTURE (tick as appropriate)**

Land use (choose one from RL, CL, PL, FL, SL, PL, FL, SL, PL, FL, SL)

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RR	RS	RT	RU	RV	RW	RX	RY	RZ
LEFT BANK TOP (structure within 1m) (L)	S	S	S	B	B	S	S	S	S	S
LEFT BANK FACE (structure) (L)	L	B	B	B	B	S	4	B	S	
RIGHT BANK FACE (structure) (R)	S	S	S	S	S	S	S	S	S	B
RIGHT BANK TOP (structure within 1m) (R)	S	S	S	4	4	S	S	S	S	B
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RS	RT	RU	RV	RW	RX	RY	RZ

**G. CHANNEL VEGETATION TYPES (tick as appropriate)**

NONE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bryophytes/lichens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emerg broad leaved herbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emerg mead/bog/marsh	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating leaved (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged fine/linear leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**3. RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES** (Page 3 of 4)

**H. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<u>17.2</u>	RIGHT BANK	Banktop width (m)	<u>0.5</u>
	Banktop height (m)	<u>0.9</u>		Banktop height (m)	<u>0.5</u>
	Water width (m)	<u>11.3</u>		Water width (m)	<u>0</u>
	Embankment height (m)	<u>0</u>		Embankment height (m)	<u>0</u>

If troublemaker lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown   
 Location of measurement is: riffle  run or glide  other  (tick one box)

**I. CHANNEL VEGETATION**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 1  
 Roadbridges = 0 Other = 0  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**J. VEGETATION OF BANKS (MAXIMUM PERCENTAGE COVER)**

None  Dripping  Moving  Wood cutting   
 Enhancement  Other? State \_\_\_\_\_

**K. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 3m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Riparian side channels  Natural open water  Carr   
 Ditch dams  Water meadow  Marsh   
 Leafy debris  Pile  Flush

**L. CHANNEL CHANNEL (tick as appropriate)**

Is 33% or more of the channel choked with vegetation? NO  YES

**M. NOTABLE NUMBERS OF INVASIVE SPECIES (tick as appropriate)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name: Rhynchospora bursaria

**N. SOVEREIGN INTERESTS**

Major impacts: landfill - tipping - litter - storage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - silting - other? = \_\_\_\_\_  
 Land Management: set-aside - buffer strip - heathland - abandoned land - parkland - MoD - other? = \_\_\_\_\_  
 Animals: other - mink - water vole - kingfisher - dipper - gray wagtail - sand martin - bream - dragonfly/ladybird/leech  
 Other significant observations: \_\_\_\_\_

**O. ALIENS (tick appropriate box(es))**

Alien? Name: \_\_\_\_\_ Present  Extinctive  Disturbed Alien? Name: \_\_\_\_\_ Present  Extinctive

Indicate predominant flow sequence (select up to three features): Riffle - Run

**4. RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES** (Page 4 of 4)

**P. TRESS (tick one box per bank)**

None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shedding of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overlapping boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scam continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Q. ASSOCIATED FEATURES (tick one box per feature)**

None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shedding of channel	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside	<input type="checkbox"/>	<input type="checkbox"/>	Overlapping boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Manure island(s)	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

**R. WATERFALLS (tick one box per waterfall)**

None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal downriver	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Manure island(s)	<input type="checkbox"/>	<input type="checkbox"/>	Manure island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>



1996 RIVER HABITAT SURVEY FORM (to be completed on flat ground only) Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6463  
 Mid-site and reference of network site if different from designated location \_\_\_\_\_

Grid Reference: S4837516 River: CONWY  
 Date: 20/5/1996 Time: 10:55 Surveyor name: N. Hines Accreditation code: PF04

Adverse conditions affecting survey? No  Yes  If yes, state: HIGH FLOW  
 Had river visible? No  partially  entirely  (tick one box)  
 If E single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick the box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF WETLANDS, POOLS AND POINT BARS (tick one box only)**

Riffles: 0 Unvegetated point bars: 0  
 Pools: 5 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARERAN, BH20 6BR

1996 RIVER HABITAT SURVEY FORM (to be completed on flat ground only) Page 2 of 4

**FULLY (see PDF) for Riffles** Points: \_\_\_\_\_ U-merge side run: \_\_\_\_\_ Veg point bar: \_\_\_\_\_

**PHYSICAL ATTRIBUTES (to be assessed across channel width or in wide transects) (tick one box only)**

Spot check 1 m upstream of downstream: 1 2 3 4 5 6 7 8 9 10

**LEFT BANK STRUCTURE (Functional Groups)**

Material	CP	CS	CC	SC	FL	BC	UC	CE	BC
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SR	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK STRUCTURE (Functional Groups)**

Material	CP	CS	CC	SC	FL	BC	UC	CE	BC
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SR	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL CHARACTERISTICS**

Channel substrate	AN	UN	CO	AN	UN	AN	UN	AN	UN
Substrate shape	NH	HA	OP	HA	HA	HA	HA	HA	HA
Flow type	BW	RP	BW	BW	RP	BW	BW	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RG	RO	NO	MI	VB	AL	RO	RO	NO

**RIGHT BANK STRUCTURE (Functional Groups)**

Material	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP, LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, NH, UC, FH, RP, H, U, ON, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m) BUNSC	U	U	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BUNSC	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BUNSC	B	S	U	S	S	S	U	B	U
RIGHT BANK TOP (structure within 1m) BUNSC	S	S	S	S	S	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL

**G. CHANNEL VEGETATION (tick one box only)**

NONE	PLANT GENERA - list first 5								
Bryophytes/algae		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent broad-leaved herbs		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent reed/scrub/brush		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flowering leaved (matted)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free floating		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphiphilous		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged fine-leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1996 RIVER HABITAT SURVEY FORM (to be completed on flat ground only) Page 3 of 4

**SITE NO 6463**

**H. CHANNEL VEGETATION (tick one box only)**

	L	R		L	R
Broadleaved woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	
Orchard (OR)			Tiled land (TL)		
Woodland/heath (WH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	<input checked="" type="checkbox"/>		Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		<input checked="" type="checkbox"/>

**I. CHANNEL VEGETATION (tick one box only)**

Natural/unmodified bed	L	R	Artificial/modified	L	R
Vertical/retort	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	
Stony (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	
Gravel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	
Composite			Artificial two-stage		
			Poached		
			Enhanced		
			Set back embankments		

**J. CHANNEL VEGETATION (tick one box per bank)**

None	Left	Right	Shading of channel	None	Present E (2.33%)
Isolated/cut-off	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Some continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**K. CHANNEL VEGETATION (tick one box per feature)**

None	Present E (2.33%)
Marginal shrubs	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>
Exposed boulders	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>
Mature weed(s)	<input checked="" type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>

**L. CHANNEL VEGETATION (tick one box per feature)**

None	Present E (2.33%)
Waterfall(s)	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>
Rapids(s)	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>
Ran(s)	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>
Ohk(s)	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features): \_\_\_\_\_

1996 RIVER HABITAT SURVEY FORM (to be completed on flat ground only) Page 4 of 4

**M. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<u>11.0</u>	RIGHT BANK	
Banking height (m)	Water width (m)	<u>7.0</u>	Banktop height (m)	<u>1.50</u>
Banking height (m)	Water depth (m)	<u>0.5</u>	Embankment height (m)	

If embankment lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**N. CHANNEL VEGETATION (tick one box only)**

None  Member of Colverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Footbridges = 0 Other = 0  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**O. CHANNEL VEGETATION (tick one box only)**

None  Dragging  Mowing  Wood cutting   
 Enhancement  Other? State: \_\_\_\_\_

**P. CHANNEL VEGETATION (tick one box only)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Lumpy debris  Pile  Flush

**Q. CHANNEL VEGETATION (tick one box only)**

Is 33% or more of the channel choked with vegetation? NO  YES

**R. CHANNEL VEGETATION (tick one box only)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron bracken

**S. CHANNEL VEGETATION (tick one box only)**

Major impacts: bankfill - sipping - litter - sewage - pollution - drought - obstruction - mill - dam (incl) rail industry -  
 burning - mining - quarrying - overdevelopment - afforestation - fisheries management - fishing - other? = \_\_\_\_\_

Lead Management: set aside - buffer strip - hardland - abandoned lead - partland - MoD - other? = \_\_\_\_\_

Animals: water - bank - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: \_\_\_\_\_

**T. CHANNEL VEGETATION (tick one box only)**

Abandon? None  Present  Extensive  Disused Abandon? None  Present  Extensive





**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code: \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from river (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**SURVEY DETAILS**

Reference network site number 6467  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: SJ235 585 River: Teahk  
 Date: 31.5.1996 Time: 10 00 Surveyor name: Adrian Accreditation code: PF 64

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)

and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (FOR RIVER VALLEYS ONLY)**

shallow vee  concave/bowled  
 (if U-shaped glacial valley add 'U')

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  LIFE - VALLEY FORM NOTES:

Riffles 1 Unvegetated point bars 4  
 Pools 1 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 YAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BB20 6BB

**TALLY** (see 2.1) for ...

Using site bars 1111 Veg point bars

Species	1	2	3	4	5	6	7	8	9	10
Material	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK STICKS**

Material	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL DIMENSIONS AND VEGETATION STRUCTURE**

Land use: choose one from BL, CL, DL, EL, FL, GL, HL, IL, PL, RL, SL, TL, VL, WL, XL, YL, ZL

LAND USE WITHIN 5m OF BANKTOP (L)	BL	CL	DL	EL	FL	GL	HL	IL	PL	RL	SL	TL	VL	WL	XL	YL	ZL
LEFT BANK TOP (structure within 1m) BUNSC	B	B	S	S	S	C	S	U	S	U	S	U	S	U	S	U	S
LEFT BANK FACE (structure) BUNSC	S	U	C	S	S	S	S	S	S	C	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BUNSC	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BUNSC	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	CL	DL	EL	FL	GL	HL	IL	PL	RL	SL	TL	VL	WL	XL	YL	ZL

**VEGETATION**

NONE / PLANT GENERA - see form 1

Bryophytes/lichens																	
Emergent broad leaved herbs																	
Emergent narrow leafed herbs																	
Flowering leaved (rooted)																	
Free-floating																	
Amphibious																	
Submerged broad leaved																	
Submerged fine/leaved leaved																	
Filamentous algae																	

**RIVER CHANNEL SURVEY DIMENSIONS AND VEGETATION**

**CHANNEL DIMENSIONS**

LEFT BANK	Backstop width (m)	4.4	RIGHT BANK		
Backstop height (m)	0.45	Water width (m)	3.7	Backstop height (m)	0.2
Embedded height (m)		Water depth (m)	0.1	Embedded height (m)	

If width lower than backstop break in slope, indicate: width(m) = \_\_\_\_\_

Bed exposed at site: consolidated (compact)  unconsolidated (loose)  Chalk/crags

Location of measurement is: riffle  run or glide  other  (tick one box)

**MARGINAL VEGETATION**

None  Number of Cutovers = 0 Weirs = 1 Outfalls = 1 Fords = 1  
 Footbridges = 1 Other = 0  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other?

None  Waterfalls > 5m high  Artificial open water  Bog  Other (specify) \_\_\_\_\_  
 Brashed/side channels  Natural open water  Carr   
 Debris dams  Water weirs  Marsh   
 Lumpy debris  Poles  Piles

Is 33% or more of the channel choked with vegetation? NO  YES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  (tick one box)

**VEGETATION**

Major impacts: bank(s) - dipping - litter - sewage - pollution - strength - structure - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fabric management - other? \_\_\_\_\_

Land Management: site wide - buffer strip - headland - structured bank - partition - MoD - other? \_\_\_\_\_

Animals: other - mist - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonfly/damselfly

Other significant observations: SMALL ALDUR STAMM WAKA LATRE WAKU PIRAMAND

None  Present  Extensive  Overcast Alders? None  Present  Extensive

**TRUNKS** (tick one box per bank)

None	Left	Right	None	Present E (2.33%)
Lushly scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Camera woody debris	<input type="checkbox"/>

**ASSOCIATED FEATURES** (tick one box per feature)

None	Present E (2.33%)
Marginal dead-water	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>
Unvegetated mid channel bar(s)	<input type="checkbox"/>
Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>
Mature stand(s)	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Left - Run - Gully



**BACKGROUND MAP-BASED INFORMATION**

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Mainform category
Distance from source (km)	Significant tributary	Navigation 'GO
Height of source (m)	Water Quality Class	

**FIELD SURVEY DETAILS**

Reference network site number: 6469

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Collington Brook

Date: 5/6/1996 Time: 9:13 Surveyor name: D. ... Accreditation code: PF27

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
(duplicate will be made by scanning)  
and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

<input type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl (if U-shaped glacial valley, add 'U')
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles: Unvegetated point bars

Pools: Vegetated point bars

COMPLETED FORMS WELCOME plus all water samples and expenses claims TO P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAKARANA, 8720 688

**SITE NO. 6469**

Bank/Drainage - overhead (BL)	Rough pasture (RP)				
Continuous pasture (CP)	Improved/carex improved grass (IG)			E	E
Overland (OR)	Tilled land (TL)			E	E
Moortland/hoarh (MH)	Wetland (eg bog, marsh, fen) (WL)				
Scrub (SO)	Open areas (OA)				
Fall herbs - rural vegetation (TH)	Suburban/urban development (SU)				

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reconciled	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical - one			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Paired		
			Entrenched		
			So back containment		

**TREES (tick one box per bank)**

None	Left <input checked="" type="checkbox"/>	Right <input checked="" type="checkbox"/>	Shading of channel	None <input checked="" type="checkbox"/>	Percent E (>15%) <input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging branches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, slight	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Wash(s)	None <input checked="" type="checkbox"/>	Percent E <input type="checkbox"/>	Marginal dead-water	None <input checked="" type="checkbox"/>	Percent E (>15%) <input type="checkbox"/>
Caution(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mensur island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ohide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Glide - Run - Glide

**CHANNEL CHARACTERISTICS SURVEY SPOT SHEET**

Left bank (see 20) for: Riffles  Pools  Unveg. side bars  Veg point bars

check 1 is: upstream  downstream

Major channel (W, S, L, C, P, W, S, L, C, P, W, S, L, C, P)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (W, S, L, C, P, W, S, L, C, P, W, S, L, C, P)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Substrate shape (FL, OF, E, S, OF, PO, R, Other)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Size (FL, OF, E, S, OF, PO, R, Other)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Bed modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK**

Major channel (W, S, L, C, P, W, S, L, C, P, W, S, L, C, P)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**BANKTOP, BANK USE AND VEGETATION STRUCTURE**

USE: choose one from BL, CP, DL, MH, RC, TH, UP, VC, FL, WL, OH, OS

USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK FDP (structure within 1m)	U	S	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	S	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
T BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH

**PLANT GENERAL** - list 5

Emergent broad leaved herbs																			
Emergent needle/mulch/other	E	✓	E	✓	E	✓	E	✓	E	✓	E	✓	E	✓	E	✓	E	✓	E
eg. lily (reared)																			
lily																			
Amphibious																			
Submerged broad leaved																			
eg. Burdock leaved																			
stem type																			

**RIVER HABITAT SURVEY DIMENSIONS AND ENERGIES**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<u>1.60</u>	RIGHT BANK	Banktop width (m)	<u>1.60</u>
Banktop height (m)	<u>0.1</u>	Water width (m)	<u>1.40</u>	Banktop height (m)	<u>0.1</u>
Embanked height (m)		Water depth (m)	<u>0.20</u>	Embanked height (m)	

If eroding lower than banktop break in slope, indicate: height (m) =      width (m) =     

Bed material at site is: consolidated (compact)  unconsolidated (loose)      

Location of measurement is: riffle  run or glide  other  (tick one box)

None  Number of Culverts = 0 Weirs = 0 Overfalls = 0 Pools = 0  
Footbridges = 1 Railbridges = 0 Other = 0

Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

None  Dredging  Mowing  Wood cutting   
Embankment  Other?     

None  Weirfalls > 5m high  Artificial open water  Bog  Other (state)   
Artificial/side channels  Natural open water  Carr   
Debris dams  Water meadow  Marsh   
Loose debris  Pile  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

None  Old Haywood  Gullyweed  Japanese Knotweed  Other?     

Major impacts: landfill - clipping - enter - sewage - pollution - drought - obstruction - till - dam - road - rail - industry - housing - mining - quarrying (overexcavation) - information - debris management - alding - other? =     

Land Management:      - buffer strip - headland - abandoned land - pasture - MaD - other? = Agicultural

Animals:      - water vole - Kingfisher - Grey - grey wagtail - sand martin - bream - dragonfly/stonefly

Other significant observations: Small stream - deep V-shaped

None  Present  Extensive  Disposed Alder? None  Present  Extensive

**WATER QUALITY SURVEY INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**SURVEY DETAILS**

Reference network site number 6470  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: SS 571521 River: UJ - NAWD

Date 11.6.1996 Time: 11.15 Surveyor name N. J. HAWKINS Accreditation code PF04

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**D. DOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**E. NUMBER OF RIFLES, POOLS AND OMBAYS**

Rifles 0 Unvegetated point bars 0  
 Pools 4 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WARRERAN, 8810 688

**RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES**

Left bank: 1.5 Right bank: 1.5 Channel width: 1.5  
 Bank height: 0.35 Water width: 0.9 Bank height: 0.5  
 Embankment height: 0.05 Water depth: 0.05 Embankment height: 0.05

**CHANNEL DIMENSIONS (m)**

Channel width	Bank height	Water width	Bank height	Embankment height	Water depth	Embankment height
1.5	1.5	0.9	0.5	0.05	0.05	0.05

**LAND USE WITHIN 50m OF BANK TOP**

Left Bank	Right Bank
TL TH TL TL TH TL TH TL TL TL	TL TH TL TL TH TL TH TL TL TL

**VEGETATION**

None / Plant Genus	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Site 7	Site 8	Site 9	Site 10
Bryophytes/Lichens										
Emergent broad-leaved herbs										
Emergent reed/cyperus/rushes										
Flowering broad-leaved										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

**SITE NO. 6470**

**VEGETATION**

Left Bank	Right Bank
Broad-leaved woodland (BL)	Rough pasture (RP)
Coniferous plantation (CP)	Improved/semi-improved grass (IG)
Orchard (OA)	Tiled roof (TL)
Moorland/heath (MH)	Wetland (eg bog, marsh, fen) (WL)
Scrub (SC)	Open water (OW)
Tall herb/ reed vegetation (TH)	Estuarine/marine development (EM)

**ARTIFICIAL/ MODIFIED**

Vertical/embankment	Reinforced	Reinforced - whole bank	Reinforced - top only	Reinforced - toe only	Artificial toe-edge	Poached	Embankment	Sci bank embankment
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**TREES (tick one box per bank)**

None	Left	Right	Shading of channel	Overhanging boughs	Exposed bankside roots	Underwater tree roots	Pine trees	Other woody debris
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present	Present E	Present E (2,3,5)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**WATERBODIES**

None	Present	Present E	Present E (2,3,5)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): \_\_\_\_\_

**VEGETATION**

None  Number of:   
 Open water  Weir  Outfalls  Fords   
 Footbridges  Roadbridges  Other

Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**VEGETATION**

None  Dog  Mowing  Weed cutting   
 Embankment  Other?

**VEGETATION**

None  Artificial open water  Bog  Other (state)   
 Broad/ribe channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fae  Flush

**VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION**

None  Giant Hogweed  Kalmuckia Balmia  Japanese Knotweed  Other?

**VEGETATION**

Major impacts: bank/ribe clipping, tree removal, pollution, drought, obstruction, soil, dust, road, rail, industry, logging, mining, quarrying, overgrazing, afforestation, herbicide management, other? \_\_\_\_\_

Land Management: not used  Grazing  Stocking  Fertiliser  Herbicide  Mowing  Other? \_\_\_\_\_

Animals: otter  mink  water vole  grey heron  kingfisher  dipper  grey wagtail  mallard  moor  other? \_\_\_\_\_

Other significant observations: \_\_\_\_\_

Address: None  Present  Extensive  Overused Address: None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary?	Navigation?
Height of source (m)	Water Quality Class	

**FIELD SURVEY DETAILS**

Reference network site number: 6472

Mid-site grid reference of network site if different from designated location:

Grid Reference: River: \_\_\_\_\_

Date: 1/7/1996 Time: 11:35 Surveyor name: JJC Accreditation code: C11

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
(duplicate will be made by scanning)  
and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM** (tick one box only)

shallow vee	concave/bowl (if U-shaped glacial valley - add 'U')
deep vee	symmetrical floodplain
gorge	asymmetrical floodplain

Terraced valley floor? No  Yes  | IFE - VALLEY FORM NOTES:

**NUMBER OF RIFFLES, POOLS AND POINT BARS** (indicate total number)

Riffles 5 Unvegetated point bars 1

Pools 1 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all survey samples and specimens direct TO  
P. R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAKELAN, BH20 6BB

**1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES**

TABLE (see IFE for details) 11 Points 11 Unique sites 11 VEG point bars

**LEFT BANK**

Material (W, H, G, O, L, P, S, B, V)	SC	GT	G	GA	GA	G	GA	GA	
Bank modification(s)	W	H	G	O	L	P	S	B	V
Bank feature(s)	W	H	G	O	L	P	S	B	V

**RIGHT BANK**

Material (W, H, G, O, L, P, S, B, V)	SC	GT	G	GA	GA	G	GA	GA	
Bank modification(s)	W	H	G	O	L	P	S	B	V
Bank feature(s)	W	H	G	O	L	P	S	B	V

**CHANNEL CHARACTERISTICS**

Channel substrate (W, H, G, O, L, P, S, B, V)	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape (F, O, D, S, C, P, R, L, D, W, H, G, O, L, P, S, B, V)	CO	CO	CO	CO	CO	CO	CO	CO	CO
Flow type (F, O, D, S, C, P, R, L, D, W, H, G, O, L, P, S, B, V)	CO	CO	CO	CO	CO	CO	CO	CO	CO

**CHANNEL MODIFICATIONS**

Channel modification(s)	W	H	G	O	L	P	S	B	V
Channel feature(s)	W	H	G	O	L	P	S	B	V

**LAND USE WITHIN 50m OF BANKTOP (L)**

Land use (B, C, O, M, S, T, H, G, L, U, D, P, W)	B	C	O	M	S	T	H	G	L	U	D	P	W
--	---	---	---	---	---	---	---	---	---	---	---	---	---

**LEFT BANK-TOP (structure within 1m) BANC**

BANC	B	C	O	M	S	T	H	G	L	U	D	P	W
------	---	---	---	---	---	---	---	---	---	---	---	---	---

**RIGHT BANK-TOP (structure within 1m) BANC**

BANC	B	C	O	M	S	T	H	G	L	U	D	P	W
------	---	---	---	---	---	---	---	---	---	---	---	---	---

**LAND USE WITHIN 50m OF BANK TOP (R)**

Land use (B, C, O, M, S, T, H, G, L, U, D, P, W)	B	C	O	M	S	T	H	G	L	U	D	P	W
--	---	---	---	---	---	---	---	---	---	---	---	---	---

**MOISTURE AND PLANT GENERA - list first 5**

Bryophytes/lichens					
Emergent broad leaved herbs					
Emergent reeds/sedges/rushes					
Flowering annual (matted)					
Peat-growing					
Amphibious					
Submerged broad leaved					
Submerged fine-leaved					
Phanerogam algae					

IFE NO. 6472

modified/unmodified (MU)	L	R	Rough pasture (RP)	L	R
coliform plantation (CP)			improved/semi-improved grass (IG)	F	E
Ochard (OC)			Tilled land (TL)		
woodland/brush (WO)			Wetland (eg bog, marsh, fen) (WL)		
park (PK)			Open water (OW)		
fill banks' and expansion (FE)			Suburban/urban development (SU)		

**ARTIFICIAL/UNMODIFIED**

Artificial/unmodified	L	R	Artificial/modified	L	R
Artificial/unmodified			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
side			Reinforced - toe only		
spine			Artificial two-stage		
			Punctured		
			Embedded		
			Set back embankment		

**TRESS (tick one box per bank)**

None	Left	Right	Shading of channel	None	Percent E (> 11%)
Isolated/fragmental			Overhanging branches		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Small continuous			Fallen trees		
Continuous			Causes woody debris		

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Percent E	Marginal disturbance	None	Percent E (> 11%)
Overbank(s)			Exposed bankbank		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid channel bar(s)		
Ram(s)			Vegetated mid channel bar(s)		
Bank(s)			Mature island(s)		
Island(s)			Unvegetated side bar(s)		
Point(s)			Vegetated side bar(s)		

note predominant flow sequence (select up to three features): CO CO CO

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	Water width (m)	Banktop height (m)
Embedded height (m)	Water depth (m)	Embedded height (m)

If waterfalls lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (conspicuous)  unconsolidated (loose)  Chalkstone

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL CHARACTERISTICS**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outlets = \_\_\_\_\_ Ponds = \_\_\_\_\_  
Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
Other = \_\_\_\_\_

Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**RECORDS OF PRESENT MANAGEMENT**

None  Dredging  Mapping  Weed cutting   
Enhancement  Other? State \_\_\_\_\_

**CHARACTERISTICS OF PRESENT STATE**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
Bridges/side channels  Natural open water  Carr   
Debris dams  Water meadow  Marsh   
Leafy debris  Reeds  Flush

Is 33% or more of the channel channel with vegetation? NO  YES

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  Rhododendron fructus

**MAJOR IMPACTS**: landfill - dumping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - banking - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Lead Management: set-aside - buffer strip - headland - abandoned land - partition - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: \_\_\_\_\_

Alert? None  Present  Extensive  Discard Alert? None  Present  Extensive







1996 RIVER HABITAT SURVEY (with IFE) - general and channel - Page 1 of 4

### A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) \_\_\_\_\_ Slope (m/m) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

### B. FIELD SURVEY DETAILS

Reference network site number: 6476  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: \_\_\_\_\_  
 Date: 17/1996 Time: 16:30 Surveyor name: [Signature] Accreditation code: \_\_\_\_\_

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

### C. PREDOMINANT VALLEY FORM (tick one box)

shallow vee  concave/bowlt (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

### D. NUMBER OF RIFFLES, POOL AND POINT BARS (indicate total number)

Riffles  Unvegetated point bars \_\_\_\_\_  
 Pools  Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6EH

1996 RIVER HABITAT SURVEY (with IFE) - general and channel - Page 2 of 4

### E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - non-stony only

Spot check for vegetation  Downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	GR	SE	FA	SE	FA	CO	NO	CO	NO	NO
Bank modification(s)	PS	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CO	CO	GR	GR	CO	CO	CO	CO	CO	NO
Substrate shape	CU	PL	SA	CV	CV	CV	CV	CV	CV	CV
Plan type	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	GR	FA	FA	SE	SE	SE	SE	SE	SE	SE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: (choose one from RL, CP, OR, NH, SC, TN, AP, IC, PL, VE, OV, SU)

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP structure within 1m	S	U	S	U	U	U	C	S	C	C
LEFT BANK FACE (structure)	S	S	U	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	S	U	S	U	S	S	S	U	S	S
RIGHT BANK TOP structure within 1m	U	U	S	U	U	U	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SB	SC	SC	SC	SC	SC	SC	SC	SC	SC

### G. CHANNEL VEGETATION (tick one box)

NONE  PLANT GENERA - list first 5

PLANT GENERA	1	2	3	4	5	6	7	8	9	10
Bryophytes/Lichens										
Emerg broad-leaved herbs										
Emerg reeds/algal/rubber										
Flowering leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 6476 1996 RIVER HABITAT SURVEY (with IFE) - general and channel - Page 3 of 4

### H. CHANNEL DIMENSIONS (m)

LEFT BANK	RIGHT BANK
Banktop width (m) <u>1.2</u>	Banktop width (m) <u>2.6</u>
Banktop height (m) <u>1.6</u>	Banktop height (m) <u>2.6</u>
Embankment height (m)	Embankment height (m)
Water width (m)	Water width (m)
Water depth (m)	Water depth (m)

If tracheid lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

### I. CHANNEL FEATURES (tick one box)

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Feederbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

### J. EVIDENCE OF RESTORATION (tick one box)

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

### K. FEATURES OF SPECIAL INTEREST (tick one box)

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pits  Flush

### L. CHANNEL CHARACTERISTICS (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

### M. CHANNEL CHARACTERISTICS (tick one box)

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other (tick one box) Rhododendron bracteata

### N. CHANNEL CHARACTERISTICS (tick one box)

Major impacts: dam/fill - tipping - silt - sewage - pollution - straight - abstraction - wall - stone - wood - rail - electricity - housing - mining - quarrying - overgrazing - afforestation - fisheries management - mining - other? = \_\_\_\_\_

Land Management: set-back - buffer strip - banked - abandoned land - partitioned - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Dr. Channel

### O. ALDERS (tick appropriate, list all)

Alders: None  Present  Extensive  Disturbed Alders: None  Present  Extensive

1996 RIVER HABITAT SURVEY (with IFE) - general and channel - Page 4 of 4

### P. TREES (tick one box per bank)

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

### Q. ASSOCIATED FEATURES (tick one box per feature)

	None	Present E (2-33%)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging banks	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

### R. WATERFALLS (tick one box)

	None	Present E (2-33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Caesoid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

Marginal deadwater  None  Present E (2-33%)   
 Exposed bedrock  Exposed boulders   
 Unvegetated mid-channel bar(s)  Vegetated mid-channel bar(s)   
 Mature island(s)  Unvegetated side bar(s)  Vegetated side bar(s)

Indicate predominant flow sequence (select up to three features): 1-7-2-1



**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Lithology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigable? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number **6478**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: **SK 387572** River: **AMBER**  
 Date: **2.7.1996** Time: **10:12** Surveyor name: \_\_\_\_\_ Accreditation code: \_\_\_\_\_

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFLES, POOLS AND POINT BARS**

Rifles: **3** Unvegetated point bars: \_\_\_\_\_  
 Pools: \_\_\_\_\_ Vegetated point bars: \_\_\_\_\_

SEND COMPLETED FORMS W/EEET plus all water samples and express claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**E. PHYSICAL ATTRIBUTES** (to be assessed across channel width in 1m wide transects)

LEFT BANK	RIGHT BANK																			
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Channel substrate (1)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Channel shape (1)	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA
Channel feature (1)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel feature (2)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature (3)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature (4)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature (5)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE** (to be assessed over a 10m wide transect)

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK TOP (structure within 5m) BASIC	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BASIC	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BASIC	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 5m) BASIC	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TD	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH

**G. CHANNEL VEGETATION ATTRIBUTES**

NONE	PLANT GENERA - list five																				
Bryophytes/lichens																					
Emergent broad-leaved herbs																					
Emergent narrow-leaved herbs																					
Floating-leaved (rooted)																					
Free-floating																					
Amphibious																					
Submerged broad-leaved																					
Submerged fine-leaved																					
Filamentous algae																					

**1996 RIVER HABITAT SURVEY SCORING SHEET**

**1. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<b>3.5</b>	RIGHT BANK	
Banktop height (m)	Water width (m)	<b>3.5</b>	Banktop height (m)	<b>0.7</b>
Embankment height (m)	Water depth (m)	<b>0.30</b>	Embankment height (m)	

If waterline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chalkstone

Location of measurement is: riffle  run or glide  other  (tick one box)

**2. CHANNEL VEGETATION**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weirs? No  Yes, <33% of site  >33% of site

**3. EVIDENCE OF AGENTS/ANIMALS/GRUBS**

None  Dredging  Herring  Wood-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**4. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bricks/side channels  Natural open water  Cut   
 Debris dams  Water meadows  Marsh   
 Leafy debris  Fens  Flats

**5. CHANNEL CHANNEL**

Is 55% or more of the channel choked with vegetation? NO  YES

**6. VEGETATION CHARACTERISTICS**

None  Giant Hogweed  Kamlayra Bulrush  Japanese Knotweed  Other? Note characteristics/breeds

**7. MAJOR IMPACTS** (bankfill - dipping - litter - storage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overbanking - infrastructure - fisheries management - other) = \_\_\_\_\_

Land Management: set aside - buffer strip - bankfill - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - minnow - trout - eel - kingfisher - dipper - grey heron - mallard - grebe - dragonfly/damselfly

Other significant observations: \_\_\_\_\_

**8. ALDERS** (tick appropriate box(es))

Alders? None  Present  Extensive  Channel Alders? None  Present  Extensive

**9. TREES** (tick one box per bank)

None	Left	Right	ASSOCIATED FEATURES	None	Present E (2/33%)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging branches	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**10. MARGINAL VEGETATION**

None	Present E (2/33%)	None	Present E (2/33%)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal shrubs	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed banktop	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bankside	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated and channel bar(s)	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated and channel bar(s)	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature siltbank(s)	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): \_\_\_\_\_

**1992 RIVER HABITAT SURVEY WITH 100 MODIFIED SPOT CHECKS** Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6479  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: \_\_\_\_\_ River: \_\_\_\_\_  
 Date: 11/1996 Time: 10:00 Surveyor name: \_\_\_\_\_ Accreditation code: \_\_\_\_\_

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 3 Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

COMPLETED FORMS WELLET plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BH

**1992 RIVER HABITAT SURVEY - TEN SPOT CHECKS** Page 2 of 4

**E. PHYSICAL ATTRIBUTES** (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 m upstream  downstream

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

**LEFT BANK TICE if functional**

Material	W	M	D	C	S	P	F	V	B	U
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL CHARACTERISTICS**

Channel substrate	GR	GP	CP	CD	MU	BP	SA	SP	CP	CL
Substrate shape	FL	OV	EL	CU	PO	BL	DR	SM	SM	SM
Flow type	FL	CH	PL	PL	NA	TR	NA	NA	NA	NA
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK TICE if functional**

Material	W	M	D	C	S	P	F	V	B	U
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from B, CP, DR, NH, K, TH, RP, RG, RL, RW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	SU	SO	SU	SU	SO	SO	TH	TH	TH
LEFT BANK TOP (structure within 1m) BAUSC	S	S	S	U	S	U	U	U	U	U
LEFT BANK FACE (structure) BAUSC	S	S	S	U	U	U	S	S	U	U
RIGHT BANK FACE (structure) BAUSC	U	S	S	S	S	U	S	U	S	U
RIGHT BANK TOP (structure within 1m) BAUSC	S	U	U	S	S	S	S	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	TH	TH	TH	TH	BL

**G. CHANNEL VEGETATION (list first 5)**

NONE	PLANT GENERA	list first 5								
Bryophytes/Lichens										
Emerg broad-leaved herbs										
Emerg roots/edges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fan/linear-leaved										
Filamentous algae										

**1992 RIVER HABITAT SURVEY - DIMENSIONS AND LINE JUNGLES** Page 3 of 4

**H. CHANNEL DIMENSIONS** (to be assessed across channel within a 1m wide transect)

LEFT BANK	Banktop width (m)	1.0	RIGHT BANK	Banktop width (m)	1.0
Banktop height (m)	0.6	Water width (m)	2.5	Banktop height (m)	0.5
Embanked height (m)		Water depth (m)	0.15	Embanked height (m)	

If trapezoidal lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**I. CHANNEL VEGETATION**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = 2 \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = 1 \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = 1

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**J. EVIDENCE OF ANTHROPOGENIC INTERFERENCE**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**K. FEATURES OF SPECIAL INTEREST**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pile  Flush

**L. CHANNEL CHARACTERISTICS**

Is 33% or more of the channel choked with vegetation? NO  YES

**M. CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  Rhododendron branches

**N. CHANNEL CHARACTERISTICS**

Major impacts: landfill - tipping - sewer - sewage - pollution - drought - obstruction - spill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - sailing - other? = \_\_\_\_\_

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Site adjacent to works on stream

**O. ALDERS (tick appropriate box)**

Alders: None  Present  Extensive  Decayed Alders: None  Present  Extensive

**1992 RIVER HABITAT SURVEY - DIMENSIONS AND LINE JUNGLES** Page 4 of 4

**P. CHANNEL VEGETATION**

Indicate predominant flow sequence (select up to three features): CA, RL, BL

1996 RIVER HABITAT SURVEY with IFB mods for plant genera and features Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Soil geology code \_\_\_\_\_ Dist. geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6483  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: W. Man  
 Date: 13/6/1996 Time: 14:30 Surveyor name: JL Accreditation code: PF 42

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE: VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles: \_\_\_\_\_ Unvegetated point bars: \_\_\_\_\_  
 Pools: \_\_\_\_\_ Vegetated point bars: \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

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TALLY (use 50s) for: Rifles Pools Unveg. side bars Veg. point bars

**G. PHYSICAL ATTRIBUTES (to be assessed across channel width of 10m wide riffles)**

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK: TICK IF FUNCTIONAL</b>										
Material <u>W, M, S, C, G, S, E, P, L, O, C, S, P, W, G, M, S, S, W</u>	EA	EA	EA	EA	CC	EA	EA	EA	EA	EA
Bank modification(s) <u>W, M, S, C, G, S, E, P, L, O, C, S, P, W, G, M, S, S, W</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>W, M, S, C, G, S, E, P, L, O, C, S, P, W, G, M, S, S, W</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNELS: TICK IF NEW</b>										
Channel substrate <u>W, M, S, C, G, S, E, P, L, O, C, S, P, W, G, M, S, S, W</u>	CL	CL	SE	NY	BS	NY	NY	NY	NY	NY
Substrate shape <u>F, L, O, V, E, S, C, U, P, O, R, D, W, M, S, S, W</u>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type <u>F, L, O, V, E, S, C, U, P, O, R, D, W, M, S, S, W</u>	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) <u>W, M, S, C, G, S, E, P, L, O, C, S, P, W, G, M, S, S, W</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>W, M, S, C, G, S, E, P, L, O, C, S, P, W, G, M, S, S, W</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK: TICK IF FUNCTIONAL</b>										
Material <u>W, M, S, C, G, S, E, P, L, O, C, S, P, W, G, M, S, S, W</u>	EA	EA	EA	EA	CC	EA	EA	EA	EA	EA
Bank modification(s) <u>W, M, S, C, G, S, E, P, L, O, C, S, P, W, G, M, S, S, W</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>W, M, S, C, G, S, E, P, L, O, C, S, P, W, G, M, S, S, W</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide riffle)**

Land use: choose one from BL, CP, OR, NH, SC, TH, RP, IC, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	CU	SS	YG	YG	YG	YG
LEFT BANK TOP (structure within 1m) <u>BL, CP, OR, NH, SC, TH, RP, IC, TL, WL, OW, SU</u>	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <u>BL, CP, OR, NH, SC, TH, RP, IC, TL, WL, OW, SU</u>	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) <u>BL, CP, OR, NH, SC, TH, RP, IC, TL, WL, OW, SU</u>	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) <u>BL, CP, OR, NH, SC, TH, RP, IC, TL, WL, OW, SU</u>	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	YG	YG	YG	YG	YG

**H. CHANNEL VEGETATION SPECIES (tick one box per species)**

NONE	/ PLANT GENERA - list first 5									
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg roots/edges/rudics (Phragmites, Typha, Carex)										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved (M, N, P, S, W, G, M, S, S, W)										
Filamentous algae										

SITE NO. 6483 1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 1 of 2

**LAND USE WITHIN 5m OF BANKTOP (L) (tick one box per cell)**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/local improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)	E	E	Suburban/urban development (SU)		

**CHANNEL DIMENSIONS (to be measured at one riffle on a straight bank free from banktop, vegetation, or flow obstructions)**

LEFT BANK	Banktop width (m)	8.5	RIGHT BANK	
	Banktop height (m)	0.8		Banktop height (m)
	Water width (m)	8.0		Banktop height (m)
	Water depth (m)	1.2		Banktop height (m)

If waterline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES (tick one box per feature)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**INCIDENCES OF RECENT MANAGEMENT (tick one box per feature)**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? State: \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**PROTECTED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**UNUSUAL VEGETATION SPECIES (tick one box per species)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name: Rhododendron brachycarpum

**ADDITIONAL OBSERVATIONS (tick one box per feature)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - allgng - other? \_\_\_\_\_  
 Land Management: set aside - buffer strip - broadland - abandoned land - parkland - MoD - other? \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - ead martin - heron - dragonfly/damselfly  
 Other significant observations: \_\_\_\_\_

**INDICATE PREDOMINANT FLOW SEQUENCE (select up to three features):** Slide

Waterfall(s)  None  Present  Extensive   
 Cascade(s)  None  Present  Extensive   
 Rapid(s)  None  Present  Extensive   
 Riffle(s)  None  Present  Extensive   
 Run(s)  None  Present  Extensive   
 Bank(s)  None  Present  Extensive   
 Slide(s)  None  Present  Extensive   
 Pool(s)  None  Present  Extensive

Shading of channel  None  Present  Extensive   
 Overhanging banks  None  Present  Extensive   
 Exposed bankside roots  None  Present  Extensive   
 Underwater tree roots  None  Present  Extensive   
 Fallen trees  None  Present  Extensive   
 Coarse woody debris  None  Present  Extensive   
 Marginal deadwood  None  Present  Extensive   
 Exposed bedrock  None  Present  Extensive   
 Exposed boulders  None  Present  Extensive   
 Unvegetated mid channel bar(s)  None  Present  Extensive   
 Vegetated mid channel bar(s)  None  Present  Extensive   
 Mature island(s)  None  Present  Extensive   
 Unvegetated side bar(s)  None  Present  Extensive   
 Vegetated side bar(s)  None  Present  Extensive

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 2 of 2

**CHANNEL DIMENSIONS (to be measured at one riffle on a straight bank free from banktop, vegetation, or flow obstructions)**

LEFT BANK	Banktop width (m)	8.5	RIGHT BANK	
	Banktop height (m)	0.8		Banktop height (m)
	Water width (m)	8.0		Banktop height (m)
	Water depth (m)	1.2		Banktop height (m)

If waterline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES (tick one box per feature)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**INCIDENCES OF RECENT MANAGEMENT (tick one box per feature)**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? State: \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**PROTECTED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**UNUSUAL VEGETATION SPECIES (tick one box per species)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name: Rhododendron brachycarpum

**ADDITIONAL OBSERVATIONS (tick one box per feature)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - allgng - other? \_\_\_\_\_  
 Land Management: set aside - buffer strip - broadland - abandoned land - parkland - MoD - other? \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - ead martin - heron - dragonfly/damselfly  
 Other significant observations: \_\_\_\_\_

**INDICATE PREDOMINANT FLOW SEQUENCE (select up to three features):** Slide

Waterfall(s)  None  Present  Extensive   
 Cascade(s)  None  Present  Extensive   
 Rapid(s)  None  Present  Extensive   
 Riffle(s)  None  Present  Extensive   
 Run(s)  None  Present  Extensive   
 Bank(s)  None  Present  Extensive   
 Slide(s)  None  Present  Extensive   
 Pool(s)  None  Present  Extensive

Shading of channel  None  Present  Extensive   
 Overhanging banks  None  Present  Extensive   
 Exposed bankside roots  None  Present  Extensive   
 Underwater tree roots  None  Present  Extensive   
 Fallen trees  None  Present  Extensive   
 Coarse woody debris  None  Present  Extensive   
 Marginal deadwood  None  Present  Extensive   
 Exposed bedrock  None  Present  Extensive   
 Exposed boulders  None  Present  Extensive   
 Unvegetated mid channel bar(s)  None  Present  Extensive   
 Vegetated mid channel bar(s)  None  Present  Extensive   
 Mature island(s)  None  Present  Extensive   
 Unvegetated side bar(s)  None  Present  Extensive   
 Vegetated side bar(s)  None  Present  Extensive





1996 RIVER HABITAT SURVEY with IFE mod's for plant cover and faecing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6485  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: \_\_\_\_\_  
 Date: 12/6/1996 Time: 11:30 Surveyor name: WJE Accreditation code: PF43

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

(1) shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 (2) deep vee  symmetrical floodplain  
 (3) gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles: \_\_\_\_\_ Unvegetated point bars: \_\_\_\_\_  
 Pools: 3 Vegetated point bars: \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 4BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

Valley (see 01) for: Riffles Pools IFE Using side bars

**PHYSICAL ATTRIBUTES (to be assessed across channel width of 10m wide riffles)**

Spot check 1-10	1	2	3	4	5	6	7	8	9	10
LEFT BANK - RIFLES (functional riffles)	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pool type	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - RIFLES (functional riffles)	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**R. RANGETO LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide riffle)**

Land use: choose one from RL, CL, OL, HL, SL, TL, PL, DL, DL, DL, DL

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK - TOP (structure within 1m) BAVSC	B	B	B	B	B	B	B	B	B	B
LEFT BANK - FACE (structure) BAVSC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK - FACE (structure) BAVSC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK - TOP (structure within 1m) BAVSC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH

**S. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide riffle)**

None  PLANT GENERA - list first 5

Bryophytes/lichens										
Emergent broad leaved herbs										
Emergent reed/rigid grasses										
Floating leaved (rooted)										
Free-floating										
Aquatic										
Submerged broad leaved										
Submerged fan/linear leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY OF SWEEP Page 3 of 4

Site No.: 6485

**CHANNEL DIMENSIONS AND ASSOCIATED FEATURES**

Broadsided woodland (BL)							
Coarse grass (CG)							
Orchard (OK)							
Woodland/bush (WB)							
Scrub (SQ)							
Fall herbs/seed vegetation (TH)							

**CHANNEL DIMENSIONS AND ASSOCIATED FEATURES**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/erosion			Reinforced		
Vertical + toe			Reinforced - whole bank		
Sloop (>45)			Reinforced - top only		
Concave			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

**TREES (tick one box per bank)**

None	Left	Right	Associated Features (tick one box per feature)
Isolated/scattered			Drooping of channel
Regularly spaced, single			Overhanging branches
Occasional clumps			Exposed bankside roots
Local clumpiness			Underwater tree roots
Continuous			Fallen trees
			Curvy woody debris

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present E (2-15%)
Low banklands - low to mid	
Marginal disturbance	
Exposed bankside	
Exposed boulders	
Unvegetated and channel bar(s)	
Vegetated and channel bar(s)	
Mature island(s)	
Unvegetated side bar(s)	
Vegetated side bar(s)	

**WATERBODIES**

Waterfall(s)	None	Present E
Quicksand(s)		
Rapid(s)		
Riffle(s)		
Bank(s)		
Bank(s)		
Obstacle(s)		
Pool(s)		

Indicate predominant flow sequence (select up to three features): Pools

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES Page 4 of 4

**CHANNEL DIMENSIONS (to be assessed across channel width of 10m wide riffles)**

LEFT BANK	Banktop width (m)	<u>2.0</u>	RIGHT BANK
Banktop height (m)	Water width (m)	<u>0.4</u>	Banktop height (m)
Embankment height (m)	Water depth (m)	<u>No water</u>	Embankment height (m)

If waterfalls lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material of site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  rap or glide  other  (tick one box)

**STRUCTURAL FEATURES (to be assessed across channel width of 10m wide riffles)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Rambridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**RESIDENCE OF ADJACENT MANAGER (to be assessed across channel width of 10m wide riffles)**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (to be assessed across channel width of 10m wide riffles)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Broad/edge channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fens  Flush

**CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**CHANNEL INFLUENCES (to be assessed across channel width of 10m wide riffles)**

None  Great Haywood  Himalaya Balsam  Japanese Knotweed  Other? (tick) Knautia arvensis

**WATER CHARACTERISTICS (to be assessed across channel width of 10m wide riffles)**

Major Impacts: bankline - dipping - Erosion - average - pollution - drainage - obstructions - soil - dense - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fabric management - mining - other? \_\_\_\_\_

Land Management: set aside - buffer strip - woodland - abandoned land - partitioned - M&D - other? \_\_\_\_\_

Animals: other - mist - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: Dry orange ditch with stagnant pools

**ADDITIONAL COMMENTS (to be assessed across channel width of 10m wide riffles)**

Address? None  Present  Extensive  Disused Address? None  Present  Extensive

**RIVER HABITAT SURVEY FORM FOR PLANNING AND DESIGN** (Page 1 of 4)

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/Lm) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: **6486**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River:  
 Date: **23.5.1996** Time: **16:35** Surveyor name: **P. Leadley** Accreditation code: **PF-35**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM** (tick one box only)

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF DIFFERENT POOL TYPES CONTAINED (tick one box only)

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

**END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO N. GAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB**

**RIVER HABITAT SURVEY FORM FOR PLANNING AND DESIGN** (Page 2 of 4)

**TALLY (see 2H) for - Riffles Pools Unveg. side bars Veg point bars**

**I. PHYSICAL CHARACTERISTICS** (Use by designer to assess channel stability (m wide channel) in one direction)

Spot check is equivalent to  100%  50%  25%  10%  5%  2%  1%  0%

**LEFT BANK CHARACTERISTICS**

Material  M  S  G  C  L  P  CL  DC  D  M  CL  M  S  G  C  L











**A. BACKGROUND INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/Lm) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Manform Category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6499  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: SS208428 River: DEE  
 Date: 21.1.1996 Time: 15.50 Surveyor name: M. NICOLSON Accreditation code: RF64

Adverse conditions affecting survey? No  Yes  If yes, state: HIGH FLOW

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley, add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. CHANNEL CHARACTERISTICS**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and exposure claims TO  
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARRILAN, 8120 688

**VEGETATION SURVEY - RIVER DEE**

TALLY (use 0 for -) (Reflex) Pools: \_\_\_\_\_ Upland side bars: \_\_\_\_\_ Veg point bars: \_\_\_\_\_

Species	1	2	3	4	5	6	7	8	9	10
Material	NG	NG	GA	NG	GP	GP	GA	NG	NG	NG
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	NG	NG	SA	NG	SP	NG	NG	NG	NG	NG
Substrate shape	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type	RP	UN	UN	UN	UN	UN	UN	UN	UN	UN
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**PLANT BASE: TYPE II (functional cover)**

Material	FR	GA	CA	CO	EA	BR	EA	BR	EA	BR
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**E. BANKTOP LAND USE AND VEGETATION STRUCTURE**

Land use: choose one from BL, CL, DL, ML, SC, TH, RP, FG, FL, WL, OW, SW

LAND USE WITHIN 5m OF BANK TOP (L)	1G	1G	1G	1G	1G	1G	1G	1G	1G	BL	BL
LEFT BANK TOP (structure within 1m) BANK	S	S	S	S	S	S	S	S	S	U	S
LEFT BANK FACE (structure) BANK	S	S	S	B	B	B	S	B	U	S	S
RIGHT BANK FACE (structure) BANK	S	C	C	C	C	C	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BANK	S	C	C	C	C	C	B	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

**F. VEGETATION RECORD**

NONE / PLANT GENERA - see class

Bryophytes/lichen											
Emerg broad-leaved herbs											
Emerg reeds/sedges/rushes											
Floating leaved (free)											
Free-floating											
Submerged broad-leaved											
Submerged fine-leaved											
Filamentous algae											

**SITE NO. 6499**

**LAND USE AND VEGETATION**

	L	R		L	R
Bracken/maize woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/mixed improved grass (IG)		
Orchard (OK)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' seed vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/UNMODIFIED**

	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embankment		
			Set back embankment		

**TREES (tick one box per bank)**

	None	Left	Right	None	Present	E (%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0
Scal continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Present	E (%)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	0
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	0
Exposed backside roots	<input type="checkbox"/>	<input type="checkbox"/>	0
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	0
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	0
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	0

**WATERFALLS**

	None	Present	E (%)
Marginal escarpment	<input type="checkbox"/>	<input type="checkbox"/>	0
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	0
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	0
Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	0
Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	0
Major island(s)	<input type="checkbox"/>	<input type="checkbox"/>	0
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	0
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	0

Indicate predominant flow sequence (select up to three features): 2, 1, 3

**RIVER VEGETATION SURVEY - DIMENSIONS AND CHANNEL CHARACTERISTICS**

LEFT BANK	Banktop width (m)	29.5	RIGHT BANK
Banktop height (m)	1.2	Water width (m)	26.0
Embankment height (m)		Water depth (m)	1.2
		Embankment height (m)	

If width less than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site: consolidated (compact)  unconsolidated (loose) Chalkstone

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL CHARACTERISTICS**

None  Number of Cutworts = 0 Weirs = 2 Outfalls = 1 Fords = 0  
 Footbridges = 0 Roadbridges = 0 Other = 0

Is water impounded by weirs/bars? No  Yes, <31% of site >31% of site

**CHANNEL VEGETATION**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State \_\_\_\_\_

**CHANNEL VEGETATION INTEREST**

	None	Artificial open water	Bay	Other (state)
Waterfalls > 5m high	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Braked/side channels	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	<input type="checkbox"/>
Debris dams	<input type="checkbox"/>	Water meadow	<input type="checkbox"/>	<input type="checkbox"/>
Leafy debris	<input type="checkbox"/>	Fan	<input type="checkbox"/>	<input type="checkbox"/>

**CHANNEL CHANNELS (tick one box)**

Is 11% or more of the channel choked with vegetation? NO  YES

**NOTABLE VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name (Rhododendron)

**NOTABLE PLANT**

Major impacts: bankfill - sipping - litter - sewage - pollution - drought - obstruction - fill - dam - road - rail - industry - mining - quarrying - overgrazing - afforestation - fisheries management - other? \_\_\_\_\_

Lead Management: set aside - buffer strip - headland - abandoned lead - other? \_\_\_\_\_

Animals: other (state) water vole - kingfisher - dipper - grey wagtail - mallard - heron - dragonfly/damselfly

Other significant observations: \_\_\_\_\_

**ALERTS**

Alert? None  Present  Extensive  Damaged Alert? None  Present  Extensive

**BACKGROUND/BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

Reference network site number: **6500**

Mid-site grid reference of network site if different from designated location:

Grid Reference: **S3389451** River: **Dec**

Date: **31/5/1996** Time: **15:00** Surveyor name: **Williams** Accreditation code: **RFS4**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bod of river visible? No  partially  entirely  (tick one box)

IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Teraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

DO NOT COMPLETE FORMS WEEKLY plus all water samples and expenses claims TO  
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

**VEGETATION SURVEY DIMENSIONS AND INFLUENCES**

TABLE 1 (see PD) for - Riffles Ponds Uplong side bars

VEG plant bars

Plant code	1	2	3	4	5	6	7	8	9	10
Material	NV	NV	NV	NV	GA	GA	NV	NV	NV	NV
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	CP	NV	NV	NV	GP	NV	NV	UV	NV	NV
Substrate slope	NV	N/A	N/A	N/A	NV	N/A	N/A	N/A	N/A	N/A
Flow type	EP	RP	SM	SM	SM	RP	RP	SM	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**POINT BARS - STOCK II (rectangular bars)**

Material	RR	RR	RR	RR	GA	GA	GA	GA	GA	GA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**STRUCTURE AND USE AND VEGETATION STRUCTURE**

Land use: choose one from RL, CP, OK, NH, SC, TH, AP, AG, FL, OL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	SU	TH	TH	TH	TH	TH
LEFT BANK TOP (structure within 1m)	S	U	U	U	B	U	U	U	S	U
LEFT BANK FACE (structure)	S	S	U	U	U	U	S	S	S	S
RIGHT BANK FACE (structure)	U	S	S	S	U	S	S	S	S	S
RIGHT BANK TOP (structure within 1m)	U	U	U	U	U	U	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH

**PLANT GENERA - list first 5**

NONE	/	/	/	/	/	/	/	/	/	/
Bryophytes/lichens										
Emerg broad leaved herbs										
Emerg reeds/sedges/rushes										
Floating (not rooted)										
Fresh floating										
Algae/hyphae										
Submerged broad leaved										
Submerged fine leaved										
Filamentous algae										

ITE No. **6500**

**VEGETATION SURVEY DIMENSIONS AND INFLUENCES**

woodland/wetland (WL)										
narrow plantation (NP)										
Orchard (OR)										
Moorland/heath (MH)										
Woods (W)										
Open water (OW)										
Suburban/urban development (SU)										

**NATURAL/ARTIFICIAL BODIES**

Local/wetland										
Local - no										
Deep (> 4.5)										
Grass										
Specific										

**TREES (tick one box per bank)**

None										
Isolated/scattered										
Regularly spaced, single										
Occasional clumps										
Seed-coherence										
Coniferous										

**ASSOCIATED FEATURES (tick one box per feature)**

Shading of channel										
Overhanging boughs										
Exposed bankside roots										
Underwater tree roots										
Fallen trees										
Course woody debris										

**WATERFALLS AND ASSOCIATED FEATURES**

Waterfall(s)										
Overlook(s)										
Rapid(s)										
Riffle(s)										
Race(s)										
Bank(s)										
Obstacle(s)										
Pool(s)										

etc predominant flow sequence (select up to three features): **2m - 6m**

**VEGETATION SURVEY DIMENSIONS AND INFLUENCES**

**GRANULAR DIMENSIONS**

LEFT BANK	Banktop width (m)	26-5	RIGHT BANK	
Banktop height (m)	Water width (m)	24	Banktop height (m)	1.1
Embankment height (m)	Water depth (m)	2.5	Embankment height (m)	4.5

If embankment lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of emergence in: riffle  rap or glide  other  (tick one box)

**VEGETATION INFLUENCES**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Foodbridges = 0 Roundbridges = 1 Other = 0  
 Is water unimpeded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**VEGETATION INFLUENCES**

None  Drivling  Mowing  Wood cutting   
 Enticement  Other? State: \_\_\_\_\_

**VEGETATION INFLUENCES**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Branded/side channels  Natural open water  Carr   
 Debris dams  Water enclosure  Marsh   
 Leafy debris  Pile  Flush

**VEGETATION INFLUENCES**

Is 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION INFLUENCES**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (Name) **Rhododendron**

**VEGETATION INFLUENCES**

Slope exposure: bankfall - dipping - water - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overstepping - afforestation - fisheries management - sitting - other? = \_\_\_\_\_

Land Management: set aside (buffer strip) - woodland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: other - mink - water vole - eel/fish - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: **Large scale erosion on left bank at 4/5 km**

**VEGETATION INFLUENCES**

Alters: None  Present  Extensive  Damaged Alters? None  Present  Extensive



**BACKGROUND INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**SURVEY DETAILS**

Reference network site number: 6502  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: SS543472 River: Maracan River

Date: 1.16.1996 Time: 10.30 Surveyor name: Nikerson Accreditation code: 744

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**DOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**LAND USE AND POINT BAR CHARACTERISTICS**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

COMPLETED FORMS WEELEY plus all water samples and expenses claims TO  
 AWSON, IFE, RIVER LABORATORY, EAST STOCK, WAREHAM, BH20 6BS

REFNO: 6502

**LAND USE WITHIN 5m OF BANKTOP (L)**

unimproved wooded (LU)			Rough pasture (RP)		
arable plantation (AP)			improved/mixed improved grass (IG)		
barb (BR)			Tiled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
ib (IC)			Open water (OW)		
barbs + reed vegetation (TR)			Suburban/urban development (SU)		

**Natural/unmodified**

laid/unlaid			Reinforced - whole bank		
laid + top			Reinforced - top only		
Grade			Reinforced - toe only		
potholes			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

**TRUSS (tick one bar per bank)**

None	<input type="checkbox"/>	Left	<input type="checkbox"/>	Right	<input type="checkbox"/>
Inclined/reinforced	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional cheaps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Shading of channel	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Percent E (2.11%)
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**WATER QUALITY**

Waterfall(s)	<input checked="" type="checkbox"/>	None	<input type="checkbox"/>	Percent E (2.11%)
Caecid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapids	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ohole(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

etc predominant flow sequence (select up to three features): GLC

**TALLY (see INT) for Riffles Pools Using side bars VEG Point bars**

**VEGETATION**

Material	GS	SA	SA	SA	SA	SA	SA	SA	SA
Bank modification(s)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNELS**

Channel substrate	SA	SA	SA	SA	SA	SA	SA	SA	SA
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	RD	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK**

Material	GS	SA	SA	SA	SA	SA	SA	SA	SA
Bank modification(s)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE WITHIN 5m OF BANKTOP (L)**

LEFT BANK-TOP (structure within 5m)	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 5m)	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	U	U	U	U	U	U	U	U	U

**PLANT GENERA - list first 5**

None									
Bryophytes/lichens									
Emergent broad-leaved herbs									
Emergent reeds/rushes/sedges									
Planting-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerged fine-leaved									
Filamentous algae									

**CHANNEL DIMENSIONS AND CHARACTERISTICS**

LEFT BANK	Banktop width (m)	3.0	RIGHT BANK	Banktop width (m)	3.0
	Banktop height (m)	2.1		Banktop height (m)	2.1
	Water width (m)	2.3		Water width (m)	2.3
	Embanked height (m)	0.2		Embanked height (m)	0.2
	Water depth (m)	0.2		Water depth (m)	0.2

If width lower than banktop break in slope, indicate: height (m) = 0.6 width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**WEIRS**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Roadbridges = 2 Other = 0

Is water impounded by weirs? No  Yes, <33% of site  >33% of site

**MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**VEGETATION**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Brackish/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pea  Flush

**CHANNEL**

Is 11% or more of the channel choked with vegetation? NO  YES

**WOOD**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Note Rhododendron tracks

**OTHER**

Major impacts: Windmill - Wipping - Biter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - afforestation - fisheries management - other? = \_\_\_\_\_

Land Management: set aside - buffer strip - broadland - abandoned land - parkland - MOD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey heron - mud martin - heron - dragonfly/damselfly

Other significant observations: DEMAND 2000-1990 20111 KUMARA DRAGON DAMSELFLY  
LAND 2 4442 WINDS EPE FROM 20/11/04

**ALTERS**

None  Present  Extensive  Disused Alters? None  Present  Extensive

1996 RIVER HABITAT SURVEY with 100 grids for giant geckos and fishing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? (Y/N) \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6504  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: UN-NAMED  
 Date: 29/5/1996 Time: 11:27 Surveyor name: [Name] Accreditation code: PE27

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  LIFE - VALLEY FORM NOTES:

Rifles 10 Unvegetated point bars 0  
 Pools 4 Vegetated point bars 0

READ COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6SR

SITE NO. 552 1996 RIVER HABITAT SURVEY

**D. CHANNEL CHARACTERISTICS AND ASSOCIATED FEATURES**

	L	R		L	R
Banked/vegetated woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Orchard (OR)			Filled land (FL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Open water (OW)		
Tall herb/semi-vegetation (TH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Suburban/urban development (SU)		

**E. CHANNEL CHARACTERISTICS AND ASSOCIATED FEATURES**

Natural/unmodified	L	R	Artificially modified	L	R
Vertical/obscure	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed		
Vertical + toe			Reinforced - whole bank		
Shoal (>4:1)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		<input checked="" type="checkbox"/>
			Embedded		
			Set-back embankments		

**F. TREES (tick one box per bank)**

	Left	Right	None	Percent E (2.5%)
None	<input type="checkbox"/>	<input type="checkbox"/>		
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>		
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>		
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>		
Scam continuous	<input type="checkbox"/>	<input type="checkbox"/>		
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

**G. ASSOCIATED FEATURES (tick one box per feature)**

	None	Percent E (2.5%)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Overlapping boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Course woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**H. ASSOCIATED FEATURES (tick one box per feature)**

	None	Percent E (2.5%)
Marginal sandbar	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RHC - R

1996 RIVER HABITAT SURVEY DIMENSIONS AND CHANNEL FEATURES

**I. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	3.70	RIGHT BANK	Banktop width (m)	3.70
	Banktop height (m)	0.3		Banktop height (m)	0.3
	Water width (m)	3.50		Water width (m)	3.50
	Water depth (m)	0.05		Water depth (m)	0.05

If waterline lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact)  unconsolidated (loose)

Location of measurement is: riffle  run or glide  other  (tick one box)

**J. CHANNEL FEATURES**

None  Number of: Oldweirs = \_\_\_\_\_ Weirs = \_\_\_\_\_ Footbridges = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**K. CHANNEL FEATURES**

None  Weirfalls > 3m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fan  Flush

**L. CHANNEL FEATURES**

Is 33% or more of the channel choked with vegetation? NO  YES

None  Great Hagweed  Himalayan Balsam  Japanese Knotweed  Other? Name:

**M. CHANNEL FEATURES**

Major impacts: bankfill - clipping - silt - sewage - pollution - drought - obstruction - wall - dam - road - rail - industry - housing - culm - quarrying - overtopping - afforestation - fisheries management - abating - other? = \_\_\_\_\_

Land Management: (see notes) buffer strip - headland - abandoned land - pasture - MaD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mallard - heron - dragonfly/damselfly \_\_\_\_\_

Other significant observations: (see notes) \_\_\_\_\_

**N. CHANNEL FEATURES**

Alters? None  Present  Extensive  Decreased Alters? None  Present  Extensive

1996 RIVER HABITAT SURVEY DIMENSIONS AND CHANNEL FEATURES

**O. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	3.70	RIGHT BANK	Banktop width (m)	3.70
	Banktop height (m)	0.3		Banktop height (m)	0.3
	Water width (m)	3.50		Water width (m)	3.50
	Water depth (m)	0.05		Water depth (m)	0.05

If waterline lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact)  unconsolidated (loose)

Location of measurement is: riffle  run or glide  other  (tick one box)

**P. CHANNEL FEATURES**

None  Number of: Oldweirs = \_\_\_\_\_ Weirs = \_\_\_\_\_ Footbridges = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**Q. CHANNEL FEATURES**

None  Weirfalls > 3m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fan  Flush

**R. CHANNEL FEATURES**

Is 33% or more of the channel choked with vegetation? NO  YES

None  Great Hagweed  Himalayan Balsam  Japanese Knotweed  Other? Name:

**S. CHANNEL FEATURES**

Major impacts: bankfill - clipping - silt - sewage - pollution - drought - obstruction - wall - dam - road - rail - industry - housing - culm - quarrying - overtopping - afforestation - fisheries management - abating - other? = \_\_\_\_\_

Land Management: (see notes) buffer strip - headland - abandoned land - pasture - MaD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mallard - heron - dragonfly/damselfly \_\_\_\_\_

Other significant observations: (see notes) \_\_\_\_\_

**T. CHANNEL FEATURES**

Alters? None  Present  Extensive  Decreased Alters? None  Present  Extensive



**BACKGROUND MAP-BASED INFORMATION**



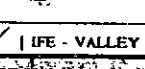
Altitude (m) Slope (m/km) Flow category (1-10)  
 Soil geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation? *IV*  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: *507*  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: *CHURNET*  
 Date: *1.5.1996* Time: *11.30* Surveyor name: *DUNNAN* Accreditation code:  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bol of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box, only)**

shallow vee   concave/bowl (if U-shaped glacial valley add "U")  
 deep vee   symmetrical floodplain  
 gorge   asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles: *2* Unvegetated point bars: *0*  
 Pools: *0* Vegetated point bars: *0*

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - IFE SPOT CHECKS Page 2 of 4

**PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one only only**

Spot check 1: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	Points									
	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK - TICK if functional</b>										
Material <i>W, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z</i>	EP	EP	EA	FA	FA	FA	FA	FA	EA	EP
Bank modification(s) <i>NE, NO, AS, RI, PC, BH, EN</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <i>NV, NO, EC, SC, FR, VP, SB, VS</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK - TICK if functional</b>										
Material <i>W, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z</i>	EP	EP	EA	FA	FA	FA	FA	FA	EA	EP
Bank modification(s) <i>NE, NO, AS, RI, PC, BH, EN</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <i>NV, NO, EC, SC, FR, VP, SB, VS</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**P. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CF, DR, MH, SC, TH, RP, PG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANK TOP (L)	TH	IG	TH	TH	TH	SC	IG	IG	BL	IG
LEFT BANK TOP (structure within 1m) <i>BUS/SC</i>			S	S	S	C	U	U	S	S
LEFT BANK FACE (structure) <i>BUS/SC</i>		S	S	S	S				S	S
RIGHT BANK TOP (structure within 1m) <i>BUS/SC</i>	U	U	U	U	U	U	U	B	S	S
RIGHT BANK FACE (structure) <i>BUS/SC</i>										
LAND USE WITHIN 5m OF BANK TOP (R)	BL	IG	IG	IG	IG	IG	IG	BL	BL	TH

**VEGETATION COVER**

NONE / PLANT GENERA - list first 5	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bryophytes/lichens									
Emerg broad-leaved herbs									
Emerg reeds/sedges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submersy free/float-leaved									
Filamentous algae									

IFE NO: *6507*

**VEGETATION WITHIN 5m OF BANK TOP (L)**

	L	R		L	R
woodland (BL)	✓	E	Rough pasture (RP)		
coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Wetland/marsh (MT)			Wetland (eg bog, marsh, fen) (WL)		
orb (SC)	✓		Open water (OW)		
all herbs' scrub vegetation (TH)	✓	✓	Suburban/urban development (SU)		

**VEGETATION WITHIN 5m OF BANK TOP (R)**

	L	R		L	R
strand/semi-strand			Artificial/modified		
strand/woodcut	✓	✓	Recreation		
strand + toe			Reinforced - whole bank		
Step (> 45°)	E	E	Reinforced - top only		
side			Reinforced - toe only		
in-pool			Artificial two-stage		
			Poached		✓
			Embanked		
			Set back embankments		

**TREES (tick one box per bank)**

	None	Left	Right	None	Percent E (≥ 25%)
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Percent E (≥ 25%)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Come woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS AND OTHER FEATURES**

	None	Percent E		None	Percent E (≥ 25%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal slowwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ran(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Main island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): *1, 2, 3*

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES Page 3 of 4

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<i>17.5</i>	RIGHT BANK	
Banktop height (m)	<i>1.5</i>	Water width (m)	<i>16.5</i>	Banktop height (m)
Embanked height (m)	<i>X</i>	Water depth (m)	<i>0.3</i>	Embanked height (m)

If threshold lower than banktop break in slope, indicate: height (m) = *0.75* width (m) = *17.0*

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL VEGETATION**

None  Number of Culverts = *0* Weirs = *0* Outfalls = *0* Fords = *0*  
 Footbridges = *1* Roadbridges = *0* Other = *0*

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF RECENT MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State:

**FEATURES OF SPECIAL INTEREST (tick one box per feature)**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNEL (tick one box)**

Is 1% or more of the channel choked with vegetation? NO  YES

**QUANTIFIABLE NOISANCE (tick one box per noise type)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name: *Eleocharis acicularis*

**MAJOR IMPACTS**

Landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - over-drainage - afforestation - fisheries management - siting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: other - snail - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: *Large fallen tree in channel, 1m diameter, 10m long, partially submerged, creating a barrier to flow.*

**ALDERS (tick appropriate box(es))**

Alders: None  Present  Extensive  Decayed Alders? None  Present  Extensive

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation? **NO**  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: **650**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **DERWENT**  
 Date: **29.1.1996** Time: **12.35** Surveyor name: **D. J. ...** Accreditation code: **PER-7**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box) (1)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box) (1)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box only)**

Rifles  Uegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

SITE NO. **650** RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 1 of 4

**VEGETATION AND SUBSTRATE**

	L	R		L	R
Broadleaved woodland (BL)	<input type="checkbox"/>	<input type="checkbox"/>	Rough pasture (RP)	<input type="checkbox"/>	<input type="checkbox"/>
Coniferous plantation (CP)	<input type="checkbox"/>	<input type="checkbox"/>	Improved/cross-improved grass (IG)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Orchard (OR)	<input type="checkbox"/>	<input type="checkbox"/>	Tilled land (TL)	<input type="checkbox"/>	<input type="checkbox"/>
Moorland/heath (MH)	<input type="checkbox"/>	<input type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub (SC)	<input type="checkbox"/>	<input type="checkbox"/>	Open water (OW)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tall herb/ reed vegetation (TH)	<input type="checkbox"/>	<input type="checkbox"/>	Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**MAN-MADE/UNMODIFIED**  **Artificial/modified**

	L	R		L	R
Vertical/undercut	<input type="checkbox"/>	<input type="checkbox"/>	Retention	<input type="checkbox"/>	<input type="checkbox"/>
Vertical + toe	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input type="checkbox"/>
Steep (> 45°)	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Grate	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
Coarpic	<input type="checkbox"/>	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
			Punched	<input type="checkbox"/>	<input type="checkbox"/>
			Embanked	<input type="checkbox"/>	<input type="checkbox"/>
			Set back embankments	<input type="checkbox"/>	<input type="checkbox"/>

**TREES (tick one box per bank)**

	Left	Right		None	Present E (≥ 1%)
Noise	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Present E (≥ 1%)		None	Present E (≥ 1%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal downwater	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Uegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bed(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Uegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **br. present 1/2**

**1996 RIVER HABITAT SURVEY TENS POT CHITS**

**TALLY (see IFE) for - Rifles Pools Ueveg. side bars Veg point bars**

Spot check 1 is upstream	1	2	3	4	5	6	7	8	9	10
Material	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Bank modification(s)	NO	NO	NO	NO	NO	NK	NK	NK	NK	NK
Bank feature(s)	NO	NO	NO	NO	NO	NV	NV	NV	NV	NV
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	ME	ME	ME	ME	ME

**RIGHT BANK - TICK IF FUNCTIONAL**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**P. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m width)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, AG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	BL	JE	U	B	R	BL	R	BL
LEFT BANK-TOP (structure within 1m) BANSIC	U	S	U	B	S	NV	NV	NV	NV
LEFT BANK FACE (structure) BANSIC	S	S	S	S	S	NV	NV	NV	NV
RIGHT BANK FACE (structure) BANSIC	U	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BANSIC	U	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	WL	TH	U	U	TH	BL	BL	TH	SU

**Q. CHANNEL VEGETATION TYPES**

NONE / PLANT GENERA - list Gen 5										
Bryophytes/lichens	<input checked="" type="checkbox"/>									
Emerg broad-leaved herbs	<input checked="" type="checkbox"/>									
Emerg reeds/rodgers/rushes	<input checked="" type="checkbox"/>									
Floating-leaved (rooted)										
Free-floating										
Amphibious	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

**1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES**

**CHANNEL DIMENSIONS (to be assessed over a 10m width)**

LEFT BANK	Banktop width (m)	RIGHT BANK	
Banktop height (m)	2.3	Water width (m)	2.3
Embanked height (m)	X	Water depth (m)	NK
		Embanked height (m)	X

If trahline lower than banktop break in slope, indicate: height (m) = X width (m) = X

Red material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**MAN-MADE FEATURES**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Footbridges = 0 Roadbridges = 0 Other = 0

In water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**MAN-MADE FEATURES**

None  Dredging  Mooring  Wood cutting   
 Enhancement  Other  State re-seeding **AD next to pond**

**ARTIFICIAL FEATURES**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Bruid/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pits  Flush

**CHOKED CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES

**EXTRA INFORMATION ON CHANNELS**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**OVERALL CHANNEL IMPROVEMENT**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam (road) (rail) industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - silting - (tick) = **Drainage next to pond**

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? = **Drainage next to pond**

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - brook dragonfly/damselfly

Other significant observations: **Large ... pond ...**

**ALTERS**

Alters? None  Present  Extensive  Threatened Alters? None  Present  Extensive

**BACKGROUND INFORMATION**

Altitude (m) Slope (m/m) Flow category (1-10)  
 Soil geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

Reference network site number: **6511**

Mid-site grid reference of network site if differs from designated location:

Grid Reference: River: **P. Selt**

Date: **13/11/1996** Time: **10:30** Surveyor name: **P. Selt** Accreditation code: **PF 33**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**DOMINANT VALLEY FORM**

shallow vee  concave/bowl  
 (if U-shaped glacial valley - add 'U')

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles **14** Unvegetated point bars **0**  
 Pools **0** Vegetated point bars **0**

**COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, B210 6BB**

**PHYSICAL ATTRIBUTES**

Channel substrate: **SP CO SP SP CO SP CO SP PP SP**

Substrate shape: **IR IR IR IR IR IR IR IR IR IR**

Channel modification: **NO NO NO NO NO NO NO NO NO NO**

Channel form: **NO NO NO NO NO NO NO NO NO NO**

Material: **EA BR EM AREA BR PR EA EA EA**

Bank modification: **NO R NO R NO R NO R NO R NO R**

Bank form: **NO NO NO NO NO NO NO NO NO NO**

**LAND USE WITHIN 5m OF BANKTOP (L)**

LEFT BANK-TOP (structure within 1m)	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure)	B	B	S	S	S	B	U	U	U
RIGHT BANK FACE (structure)	C	B	S	S	S	S	U	U	U
RIGHT BANK-TOP (structure within 1m)	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	NO	S	S	S	S	S	S	S

**PLANT GENERA - list first 5**

None									
Phytophagous									
Emergent broad-leaved herbs									
Emergent reeds/sedges/rushes									
Emergent leaves (rooted)									
Free floating									
Amphibious									
Emergent broad-leaved									
Emergent fine-leaved									
Emergent algae									

**VEGETATION**

unfaded wooded (W)									
micros plants (P)									
shrub (S)									
Macr/shrub (MS)									
herb (H)									
all herbs + rest vegetation (TE)									

**Natural/unmodified bed**

scalloped									
reinforced - whole bank									
reinforced - top only									
reinforced - toe only									
Artificial two-stage									
Poached									
Rebanked									
Soil bank embankment									

**TRACES (tick one box per bank)**

None									
Isolated/entired									
Regularly spaced, single									
Occasional clumps									
Scattered clumps									
Continuous									

**ASSOCIATED FEATURES (tick one box per feature)**

Shading of channel									
Overhanging banks									
Exposed bankside roots									
Underwater tree roots									
Flora trees									
Coarse woody debris									

**Waterfall(s)**

None									
Exposed bedrock									
Rapid(s)									
Riffle(s)									
Race(s)									
Bank(s)									
Obide(s)									
Pool(s)									

**Associated Features (tick one box per feature)**

Marginal deadwater									
Exposed bedrock									
Exposed boulders									
Unvegetated mid channel bar(s)									
Vegetated mid channel bar(s)									
Mudbar island(s)									
Unvegetated side bar(s)									
Vegetated side bar(s)									

Most predominant flow sequence (select up to three features):

**CHANNEL DIMENSIONS AND DIMENSIONS AND DIMENSIONS**

Banktop width (m)	<b>4.00</b>	RIGHT BANK	
Banktop height (m)	<b>1.25</b>	Water width (m)	<b>1.50</b>
Embankment height (m)		Water depth (m)	<b>0.07</b>
		Embankment height (m)	<b>1.70</b>

If width is lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site: consolidated (compact)  unconsolidated (loose)

Location of measurement is: riffle  run or glide  other  (tick one box)

None  Number of Culverts = **1** Weirs = **3** Outfalls = **8** Piers = **1**  
 Footbridges = **8** Roadbridges = **1** Other = **1**

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: **None**

**CHANNEL BANKS**

None  Artificial open water  Bog  Other (state)   
 Bridled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Peat  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

**CHANNEL BANKS**

None  Giant Hogweed  Hieracium  Japanese Knotweed  Other? Note Rhododendron bracken

**MAJOR IMPACTS**

Major impacts: landfill - tipping  sewage - pollution - drought - abstraction - mill - dam - road - rail industry -  
 bombing - mining - quarrying - overgrazing - afforestation - fisheries management - silage - other? =

Land management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = **Small FISH**

Animals: star - otter - water vole - kingfisher - dipper - grey heron - sand martin - heron -  confined/domestic feline

Other significant observations: **very little water in the channel - looking like a stream throughout - some water in the ditch - many outfalls (small) - little of the natural bank width - and repeat to 20 m up the bank**

Address? None  Present  Extensive  Discard Address? None  Present  Extensive





**RIVER HABITAT SURVEY with IFE tools for plant genera and fencing Page 1 of 4**

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary ? Navigation ?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6516  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SK 905470 River: BRANT  
 Date: 18.5.1996 Time: 9.22a Surveyor name: P. Pearson Accreditation code: PT11

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES \_\_\_\_\_

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (tick as appropriate)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**RIVER HABITAT SURVEY SPOT CHECKS Page 2 of 4**

TALLY (see IFE) for - Riffles Point Unveg side bars Veg point bars

**PHYSICAL ATTRIBUTES (to be assessed across channel width in wide reaches) (one only only)**

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material <u>W, M, A, C, O, G, S, F, P, L, C, E, S, P, W, G, R, B, R, H, V</u>	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank modification(s) <u>M, A, O, R, S, R, P, C, B, H, D, X</u>	R	R	R	R	R	R	R	R	R	R
Bank feature(s) <u>W, A, O, E, C, S, P, W, V, S, V</u>	N	N	N	N	N	N	N	N	N	N
Channel substrate <u>W, R, B, O, C, O, P, S, F, G, P, R, A</u>	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Substrate shape <u>F, L, O, V, E, S, P, C, U, P, O, B, O, W, S, H, A</u>	W	W	W	W	W	W	W	W	W	W
Flow type <u>F, L, O, W, U, V, C, A, P, S, P, M, A, P, H</u>	R	R	R	R	R	R	R	R	R	R
Channel modification(s) <u>M, A, O, R, S, R, P, C, B, H, D, X</u>	R	R	R	R	R	R	R	R	R	R
Channel feature(s) <u>W, A, O, E, C, S, P, W, V, S, V</u>	N	N	N	N	N	N	N	N	N	N
<b>RIGHT BANK TICE (if functional fencer)</b>										
Material <u>W, R, B, O, C, O, P, S, F, G, P, R, A</u>	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank modification(s) <u>M, A, O, R, S, R, P, C, B, H, D, X</u>	N	R	R	R	R	R	R	R	R	R
Bank feature(s) <u>W, A, O, E, C, S, P, W, V, S, V</u>	N	N	N	N	N	N	N	N	N	N

**E. BANKTOP, LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide strip)**

Land use: choose one from M, CP, OR, NH, SC, TH, RP, K, L, M, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK TOP (structure within 1m) <u>A, U, S, C</u>	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure) <u>A, U, S, C</u>	S	U	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) <u>A, U, S, C</u>	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) <u>A, U, S, C</u>	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL

**F. PLANT GENERA (list first 5)**

None	1	2	3	4	5
Bryophytes/lichens					
Emerg broad-leaved herbs	E	E	✓	✓	✓
Emerg reeds/sedge/rubus	R	R	✓	✓	✓
Flowering-leaved (rooted)			✓	✓	✓
Fruiting-leaved			✓	✓	✓
Fruiting-leaved			✓	✓	✓
Amphibious			✓	✓	✓
Submerged broad-leaved			✓	✓	✓
Submerged fine-leaved			✓	✓	✓
Filamentous algae	E	✓	✓	✓	✓

*Apoc. 18/1/96*

**SITE NO. 6516**

**LAND USE AND VEGETATION**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MR)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs / mast vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/UNMODIFIED** **ARTIFICIAL/MODIFIED**

	L	R		L	R
Vertical/undercut			Reinforced	C	E
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Punctured		
			Embanked		
			Set-back embankments		

**TREES (tick one box per bank)** **ASSOCIATED FEATURES (tick one box per feature)**

None	Left	Right	Shading of channel	None	Percent E (>1%)
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS AND ASSOCIATED FEATURES**

Waterfall(s)	None	Percent E	Marginal deadwater	None	Percent E (>1%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Obit(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): No

**RIVER HABITAT SURVEY DIMENSIONS AND DIFFICULTIES**

**GRANULAR DIMENSIONS**

LEFT BANK	Backstop width (m)	5.0	RIGHT BANK
Backstop height (m)	2.0	Water width (m)	1.0
Embanked height (m)		Water depth (m)	0.5
		Embanked height (m)	2.0

If trouble: lower than backstop break in slope, indicate: height (m) = 1.0 width(m) = 1.6

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**MAXIMUM FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes <33% of site  >33% of site

**REVENUE OF BANK MANAGEMENT**

None  Dredging  Mowing  Weed-cutting   
 Embankment  Other? Stone

**FEATURES OF CHANNEL**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Branded/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fox  Flush

**CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**NON-TREE SPECIES**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**OVERALL CHANNEL FEATURES**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siting - other? = \_\_\_\_\_  
 Land Management: set-back (after strip) - woodland - abandoned land - partition - MoD - other? = \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies  
 Other significant observations: 50m x 10m channel in 20m wide bed on left bank  
sliding to dry out

ALTERS: None  Present  Extensive  Discontinued Alters? None  Present  Extensive



1996 RIVER HABITAT SURVEY WITH ICB mod for plant genera and fencing PAGE 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6517  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: TF 073461 River: SLEA  
 Date: 21.5.1996 Time: 14.30 Surveyor name: PHENIX Accreditation code: PH  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:  
**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (tick all that apply)**

Riffles Unvegetated point bars  
 Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 P.H. DANSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, BH20 6BB

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FALLY (see DR) for Riffles Pools Unveg. side bars Veg. point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel (20m x 1m wide transect) - see survey only)**

Spot check 1 in upstream	1	2	3	4	5	6	7	8	9	10
Spot check 1 in upstream										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank features(s)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Channel substrate	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	HA	HA	HA	HA	HA	HA	HA	HA	HA	HA
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel features(s)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use, choose one from SL, TH, TU, FU, TI, TM, TH, TU, TM, TU	SL	TH	TU	FU	TI	TM	TH	TU	TM	TU
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK TOP (structure within 5m) BANKSC	h	h	h	h	h	h	h	h	h	h
LEFT BANK FACE (structure) BANKSC	h	h	h	h	h	h	h	h	h	h
RIGHT BANK FACE (structure) BANKSC	h	h	h	h	h	h	h	h	h	h
RIGHT BANK TOP (structure within 5m) BANKSC	B	h	h	h	h	h	h	h	h	h
LAND USE WITHIN 5m OF BANK TOP (R)	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh

**G. CHANNEL VEGETATION COVER (tick all that apply)**

None / PLANT GENERA - see list 5										
None										
Bryophytes/algae										
Emerg broad leaved herbs										
Emerg marginal/submerged										
Flowering leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved	E	E	E	E	E	E	E	E	E	E
Submerged fine leaved										
Filamentous algae										

SITE NO. 6517

	L	R		L	R
Broad/linear woodbed (BL)			Rough pasture (RP)		
Coarse/straw (CP)			Improved/semi improved grass (IG)		E
Orchard (OR)			Flood land (FL)		
Meadow/both (MB)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SQ)			Open water (OW)		
Tall herbs / reed vegetation (TH)	E		Solvent/water development (SU)		E

**H. CHANNEL VEGETATION COVER (tick all that apply)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/wooded			Revetment		E
Vertical - low			Reinforced - whole bank		E
Steep (>45°)			Reinforced - top only		E
Grade			Reinforced - toe only		E
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

**I. TREE SPECIES AND ASSOCIATED FEATURES (tick one box per feature)**

TREES (tick one box per feature)	None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None			Shading of channel		
Inclined/overhead			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Small continuous			Fallen trees		
Continuous			Coarse woody debris		

**J. CHANNEL VEGETATION COVER (tick all that apply)**

Wetland(s)	None	Present E	Marginal dead-water	None	Present E (>1%)
Wetland(s)			Exposed bedrock		
Revet(s)			Exposed boulders		
Riffle(s)			Unvegetated and channel bar(s)		
Run(s)			Vegetated and channel bar(s)		
Bank(s)			Mature island(s)		
Channel(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): Slide No perceptible

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**K. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**L. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**M. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**N. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**O. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**P. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**Q. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**R. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**S. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**T. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**U. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**V. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**W. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**X. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**Y. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**Z. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**AA. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**AB. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**AC. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**AD. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**AE. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		
Continuous		Coarse woody debris		

**AF. CHANNEL VEGETATION COVER (tick all that apply)**

None	Present E (>1%)	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>1%)
None		Shading of channel		
Inclined/overhead		Overhanging boughs		
Regularly spaced, single		Exposed bankside roots		
Occasional clumps		Underwater tree roots		
Small continuous		Fallen trees		

1996 RIVER HABITAT SURVEY with IFE mode for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6518  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: T132494 River:  
 Date: 3/5/1996 Time: 1625 Surveyor name: P. HENNING Accreditation code:  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/howl  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate local banks)**

Rifles 0 Unvegetated point bars 0  
 Pools 7 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (use J10) for: Riffles Fish Useveg side bars Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within 2m wide transects) - use survey only**

Spot check 1 is upstream (U) downstream (D)	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK (SPOT CHECKS)</b>										
Material	FA	EA	GA	BA	CA	EA	EA	EA	EA	EA
Bank modification(s)	ME	MO	AS	RI	FC	BA	EM			
Bank feature(s)	NY	NO	EC	SC	PE	VP	SB	VS		
<b>RIGHT BANK (SPOT CHECKS)</b>										
Material	FA	EA	GA	BA	CA	EA	EA	EA	EA	EA
Bank modification(s)	ME	MO	AS	RI	FC	BA	EM			
Bank feature(s)	NY	NO	EC	SC	PE	VP	SB	VS		
<b>P. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)</b>	Land use: choose one from RL, CP, OR, WH, SC, TH, RP, IG, FL, WL, OW, SU									
LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK TOP (structure within 1m) BAUSC										
LEFT BANK FACE (structure) BAUSC										
RIGHT BANK FACE (structure) BAUSC										
RIGHT BANK TOP (structure within 1m) BAUSC										
LAND USE WITHIN 5m OF BANK TOP (R)										
None	Bryophytes/lichens	Emerg broad-leaved herbs	Emerg reeds/sedges/rushes	Floating-leaved (rooted)	Free-floating	Amphibious	Submerged broad-leaved	Submerg fine/linear-leaved	Filamentous algae	

SITE NO. 6518

**LAND USE WITHIN 5m OF BANKTOP (L/R)**

	L	R		L	R
Broadleaved/woody woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		E	Open water (OW)		
Tall herb/semi-vegetation (TH)			Suburban/urban development (SU)		

**ARTIFICIAL/MODIFIED**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embedded		
			Set back embankments		

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2.5%)
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi-continuous			Underwater tree roots		
Continuous			Fallen trees		
			Coarse woody debris		

**WATERBARS**

Waterbar(s)	None	Present E (2.5%)	Marginal bankwater	None	Present E (2.5%)
Concave(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid-channel bar(s)		
Ram(s)			Vegetated mid-channel bar(s)		
Boil(s)			Mature island(s)		
Obide(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): *glid. 1*

**C. RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES**

**EXACT DIMENSIONS (to be assessed at one site only)**

LEFT BANK	Banktop width (m)	17.0	RIGHT BANK
Banktop height (m)	7.0	Water width (m)	9.0
Embanked height (m)	1.70	Water depth (m)	0.70
		Embanked height (m)	1.70

If trapezoid lower than banktop break in slope, indicate: height (m) = 0.6 width (m) = 12.0

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**PHYSICAL ATTRIBUTES**

None  Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Fords =  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**INDICATORS OF BANK MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: .....

**O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Bruided/side channels  Natural open water  Cart   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fca  Flush

**P. CROSSLAND CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q. NOTABLE WOODLAND PLANT SPECIES (tick appropriate large stands)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  Notic Rhododendron bractea

**R. MAJOR IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - wall - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siting - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: *Large wetland area*

**S. ALTERS (tick appropriate box(es))**

Alters? None  Present  Extensive  Damaged Alters? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary ?	Navigation ?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 6519  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: XF 2744-75 River: WITHAM

Date: 10/5/1996 Time: 10.30 Surveyor name: G. COLLETT Accreditation code: PC10

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

<input type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl (if U-shaped glacial valley - add "U")
<input type="checkbox"/> deep vee	<input checked="" type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles	Unvegetated point bars
Pools	Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARWICK, CV37 6BB

TALLY (use IFE) for Riffles Pools Unveg side bars Veg point bars

B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1: up stream <input checked="" type="checkbox"/> down stream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (fractional) fence	→ → → → →									
Material <u>W BE NO CO CL LA PL CL CC SP PP CA BA BR BY</u>	RR									
Bank modification(s) <u>NE NO BS RI PC BM EN</u>	RI									
Bank feature(s) <u>NY NO EC SC PR VP SR VS</u>	NO									
CHANNEL - NEV - <u>NEV</u> (if fractional) slope codes										
Channel substrate <u>W BE NO CO CL LA PL CL CC SP PP CA BA BR BY</u>	SI									
Substrate shape <u>FL OV EL SP CU FO DR Other -</u>	NO									
New type <u>FF CH BN UN CT AF UP SH NP NO</u>	NP									
Channel modification(s) <u>NE NO BS RI PC BM EN</u>	NO									
Channel feature(s) <u>NY NO EC SC PR VP SR VS</u>	NO									
RIGHT BANK TICK if (fractional) fence										
Material <u>W BE NO CO CL LA PL CL CC SP PP CA BA BR BY</u>	RR									
Bank modification(s) <u>NE NO BS RI PC BM EN</u>	RI									
Bank feature(s) <u>NY NO EC SC PR VP SR VS</u>	NO									

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from <u>BL CP DR MH SC FN RP KC PL WL OV SU -</u>										
LAND USE WITHIN 5m OF BANKTOP (L)	BL	SU								
LEFT BANK TOP (structure within 1m) <u>BU/SC</u>	U									
LEFT BANK FACE (structure) <u>BU/SC</u>	U	U	U	U	S	U	U	U		
RIGHT BANK FACE (structure) <u>BU/SC</u>	U									
RIGHT BANK TOP (structure within 1m) <u>BU/SC</u>	U									
LAND USE WITHIN 5m OF BANK TOP (R)	PL									

G. CHANNEL VEGETATION TYPES (10m wide transect) - (tick appropriate boxes)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

IFE NO. 6519

rough/mixed woodland (BL)										
rough pasture (RP)										
improved/semi-improved grass (IG)										
tilled land (TL)										
wetland (eg bog, marsh, fen) (WL)										
open water (OW)										
suburban/urban development (SU)										

artificial/modified	L	R	artificial/modified	L	R
Reinforced - whole bank					
Reinforced - top only					
Reinforced - toe only					
Artificial two-stage					
Poached					
Embanked					
Set-back embankments					

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	None <input type="checkbox"/>	Left <input checked="" type="checkbox"/>	Right <input type="checkbox"/>	ASSOCIATED FEATURES (tick one box per feature)	None <input type="checkbox"/>	Present E (≥ 1%) <input type="checkbox"/>
Isolated/scattered				Shaking of channel		
Regularly spaced, single				Overhanging boughs		
Occasional clumps				Exposed bankside roots		
Semi-continuous				Underwater tree roots		
Continuous				Fallen trees		
				Come woody debris		

Waterfall(s)	None <input checked="" type="checkbox"/>	Present E <input type="checkbox"/>	Marginal deadwater	None <input type="checkbox"/>	Present E (≥ 1%) <input type="checkbox"/>
Cascade(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid channel bar(s)		
Roam(s)			Vegetated mid channel bar(s)		
Scall(s)			Natural island(s)		
Ohide(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): ...

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 2 of 4

CHANNEL DIMENSIONS (10m wide transect)

LEFT BANK	Banktop width (m)	68.0	RIGHT BANK	
Banktop height (m)	3.5	Water width (m)	35.0	Banktop height (m)
Embanked height (m)	2.0	Water depth (m)		Embanked height (m)

If tracheal lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

HABITAT ATTRIBUTES

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges =  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State:

FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

NOTABLE NUISANCE PLANT SPECIES (tick appropriate box(es))

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick)  Rhododendron bractea

MAJOR IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry -  
 bowing - mining - quarrying - overdeepening - afforestation - fisheries management - siltation - other? =  
 Land Management: set-aside - buffer strip - headland - abandoned bed - parkland - MoD - other? =  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail (and marsh) - heron - dragonflies/damselflies  
 Other significant observations:

S. ALDERS (tick appropriate box(es))

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fractions Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6520  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: TF 370490 River: HORNHOLE DRAIN  
 Date: 10/5/1996 Time: 09:50 Surveyor name: J. Dawson Accreditation code: P.F.10  
 Adverse conditions affecting survey? No  Yes  If yes, state: none  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles Unvegetated point bars  
 Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (use PDF) for: Rifles Pools Unveg. side bars Veg. point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within 20m wide transects) - one only only**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if functional fence										
Material (M: M, NO, CO, CL, EA, FE, CL, CC, SP, WF, CA, BR, GR, BV)	EA									
Bank modification(s) (M: M, NO, AS, R, PC, BM, EN)	RS									
Bank feature(s) (M: M, NO, EC, SC, PR, VP, SM, VS)	NO									
<b>CHANNEL</b> NEW: indicate change codes (M)										
Channel substrate (M: M, NO, CO, CL, EA, FE, CL, CC, SP, WF, CA, BR, GR, BV)	S1									
Substrate shape (F: F, O, EL, SF, CU, PO, BR, DM, etc. - M)	NO									
Flow type (F: F, O, EL, SF, CU, PO, BR, DM, etc. - M)	S4									
Channel modification(s) (M: M, NO, CV, AS, R, DA, FO)	NO									
Channel feature(s) (M: M, NO, AS, R, PC, BM, EN)	NO									
<b>RIGHT BANK</b> TICK if functional fence										
Material (M: M, NO, CO, CL, EA, FE, CL, CC, SP, WF, CA, BR, GR, BV)	EA									
Bank modification(s) (M: M, NO, AS, R, PC, BM, EN)	RS									
Bank feature(s) (M: M, NO, EC, SC, PR, VP, SM, VS)	NO									

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, NH, SC, FL, RP, PL, RL, WL, DR, SU (add 2nd choice)

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP (structure within 1m) (B: B, U, S, C)	U									
LEFT BANK FACE (structure) (B: B, U, S, C)	S									
RIGHT BANK FACE (structure) (B: B, U, S, C)	B									
RIGHT BANK TOP (structure within 1m) (B: B, U, S, C)	U									
LAND USE WITHIN 5m OF BANK TOP (R)	AL									

**G CHANNEL VEGETATION TYPES (10m wide transect) - tick all that apply or tick (precise) if present**

NONE  PLANT GENERA - list first 5

Bryophytes/lichens  Phragmites  
 Emerg broad-leaved herbs  Glycyrrhiza  
 Emerg reeds/sedges/rushes   
 Floating-leaved (rooted)   
 Free-floating   
 Amphibious   
 Submerged broad-leaved   
 Submerg fine/linear-leaved   
 Filamentous algae

SITE NO. 6520

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	38.0	RIGHT BANK
Banktop height (m)	4.0	Water width (m)	22.0
Embanked height (m)		Water depth (m)	
		Embanked height (m)	0

If trapezium lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**H PARTICULATE ATTRIBUTES (tick appropriate box(es))**

None  Number of Culverts =  Weirs =  Roadbridges =  Outfalls =  Fords =   
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State:

**O FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**F CHOKED CHANNEL (tick appropriate box(es))**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE NUISANCE PLANT GENERA Use (tick appropriate box(es)) SITE WITH LARGE STANDS of others of**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**OVERLAPPING CHARACTERISTICS**

Major aspects: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - afforestation - fisheries management - silting - other? = **FENLAND DRAIN**  
 Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =  
 Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Other significant observations:

**I ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

**EXTENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
None	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

**6521 RIVER HABITAT SURVEY**

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary?  Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number: **6521**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: **1E771448** River: \_\_\_\_\_  
 Date: **01/15/1996** Time: **09:10** Surveyor name: **G. ALLETT** Accreditation code: **PF10**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box only)**

Rifles \_\_\_\_\_ Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

PLEASE COMPLETE FORMS WEEKLY plus all water samples and expense claims TO P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS**

**TALLY (see BH) for - RIFLES**

Points	1	2	3	4	5	6	7	8	9	10
Uprg. side bars										
Veg point bars										

**LEFT BANK - STRUCTURE**

Material	NV	NVEA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	EC	SC	NO	NO	NO	NO	NO	NO

**RIGHT BANK - STRUCTURE**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL CHARACTERISTICS**

Channel substrate	SI	SA	SI	SL	SA	SI	SI	SI	SI	SI
Substrate shape	NA	NO	NA	NO	NO	NA	MA	MA	MA	MA
Flow type	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE WITHIN 5m OF BANK TOP (L)**

LEFT BANK TOP (structure within 1m) BUSE	U	U	U	U	U	U	U	B	U	U
LEFT BANK FACE (structure) BUSE	S	U	U	U	U	U	U	B	U	U
RIGHT BANK TOP (structure within 1m) BUSE	U	S	S	S	S	S	U	U	U	U
RIGHT BANK FACE (structure) BUSE	S	S	S	S	S	S	U	U	U	U

**LAND USE WITHIN 5m OF BANK TOP (R)**

TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH
----	----	----	----	----	----	----	----	----	----	----

**CHANNEL VEGETATION**

None	PLANT GENERA - See list									
Bryophytes/lichens	DICRYMITES									
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes	E	✓	✓	✓	✓	E	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

**6521 RIVER HABITAT SURVEY**

**CHANNEL VEGETATION**

None	L	R	Artificial/modified	L	R
Unvegetated woodland (BL)			Rough pasture (RP)	E	
Marshy pastures (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tiled bed (TL)		
Wood/haath (WH)			Wetland (eg bog, marsh, fen) (WL)	F	
Open water (OW)			Open water (OW)		
Suburban/urban development (SU)			Suburban/urban development (SU)		

**CHANNEL VEGETATION**

None	L	R	Artificial/modified	L	R
Reinforced - whole bank			Reinforced		
Reinforced - top only			Reinforced		
Reinforced - toe only			Reinforced		
Artificial two-stage			Artificial two-stage		
Poached			Poached		
Embanked			Embanked		
Sci bank embankment			Sci bank embankment		

**TRACES (tick one box per bank)**

None	Left	Right	Shading of channel	None	Percent E (2.11%)
Loosened/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Palm trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present	Percent E (2.11%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>
Concave(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ran(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present	Percent E (2.11%)
Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

etc predominant flow sequence (select up to three features): **NO PERCEPTIBLE flow**

**1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	120	RIGHT BANK	
Banktop height (m)	Water width (m)	120	Banktop height (m)	0.4
Embanked height (m)	Water depth (m)		Embanked height (m)	

If available lower than banktop break in slope, indicate: height (m) = width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chalkstone

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL VEGETATION**

None	Number of	Outfalls =	Folds =
	Foodbridges =	Outfalls =	Folds =

In water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**CHANNEL VEGETATION**

None	Dredging	Mowing	Wood-cutting
	Enhancement	Other? Silt	

**CHARACTERISTICS OF SPECIAL INTEREST**

None	Artificial open water	Box	Other (state)
Waterfalls > 5m high	Natural open water	Cart	REDSID
Banked/side channels	Water meadow	Marsh	
Debris dams	Foss	Flats	

**CHARACTERISTICS OF SPECIAL INTEREST**

In 33% or more of the channel choked with vegetation? NO  YES

**CHARACTERISTICS OF SPECIAL INTEREST**

None	Glacial Riverbed	Himalayan Deltoid	Japanese Knotweed	Other? (Name)
				Redpoll

**CHARACTERISTICS OF SPECIAL INTEREST**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - alding - other? = \_\_\_\_\_

Land Management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = **GOLF COURSE**

Animals: otter - eel - water vole - bagfisher - gipper - grey weevil - sand martin - heron - dragonfly/damselfly

Other significant observations: **2 MARSH HARBERS, RED HARBERS, OYSTERS, etc**

Alters: None  Present  Extensive  Disused Alters? None  Present  Extensive





**1996 RIVER HABITAT SURVEY WITH DIMENSIONS AND DIMENSIONS AND DIMENSIONS**

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary?  Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number: **6523**  
 Mid-size grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: **66445 414** River: **STIFFKEY**

Date: **01/15/1996** Time: **16:30** Surveyor name: **G. LILLET** Accreditation code: **PF.00**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM** (tick one box)

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  | **VALLEY FORM NOTES:**

**NUMBER OF RIFLES, POOLS AND POINT BARS** (tick one box)

Rifles **1** Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WARRERAM, 8120 688

**1996 RIVER HABITAT SURVEY WITH DIMENSIONS AND DIMENSIONS AND DIMENSIONS**

**TALLY (use only for - Rifles)**

Pool: \_\_\_\_\_ Unveg. side bars: \_\_\_\_\_ Veg. point bars: \_\_\_\_\_

Spot check 1 is: upriver <input type="checkbox"/> downriver <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK: Material	GA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pool type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	EC	VS	EC	SB	ES	NO	EC	EC	NO	NO

**LAND USE WITHIN 3m OF BANKTOP (L)**

LAND USE WITHIN 3m OF BANKTOP (L)	G									
LEFT BANK TOP (structure within 1m)	MUSIC									
LEFT BANK FACE (structure)	MUSIC									
RIGHT BANK FACE (structure)	MUSIC									
RIGHT BANK TOP (structure within 1m)	MUSIC									
LAND USE WITHIN 3m OF BANK TOP (R)	TL									

**PLANT GENERA - list first 5**

None	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens	1	2	3	4	5	6	7	8	9	10
Emerg. broad-leaved herbs	1	2	3	4	5	6	7	8	9	10
Emerg. reed/sedge/rushes	1	2	3	4	5	6	7	8	9	10
Floating leaved (rooted)	1	2	3	4	5	6	7	8	9	10
Free-floating	1	2	3	4	5	6	7	8	9	10
Amphibians	1	2	3	4	5	6	7	8	9	10
Submerged broad-leaved	1	2	3	4	5	6	7	8	9	10
Subsary free/leaved-leaved	1	2	3	4	5	6	7	8	9	10
Filamentous algae	1	2	3	4	5	6	7	8	9	10

**6523**

**TE NO.** \_\_\_\_\_

	L	R		L	R
submerged woodland (SL)			Rough pasture (RP)		
alder plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tidal land (TL)		
Woodland/haugh (WZ)			Wetland (eg bog, marsh, fen) (WL)		
sh (SC)			Open water (OW)		
1 herbs' reed vegetation (TR)			Substrate/burton development (SU)		

**VALLEY FORM**

None	L	R	Artificial/modified	L	R
Reinforced			Reinforced - whole bank		
Reinforced - top only			Reinforced - toe only		
Artificial two-stage			Proacted		
Embanked			Sci-bank embankments		

**TRICKS (tick one box per bank)**

None	Left	Right	Shoaling of channel	None	Percent S (±.1%)
Inclined/erected	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Concealed woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Percent S	Marginal shrubwater	None	Percent S (±.1%)
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rune(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

date predominant flow sequence (select up to three features): \_\_\_\_\_

**1996 RIVER HABITAT SURVEY WITH DIMENSIONS AND DIMENSIONS AND DIMENSIONS**

**EXCHANGE DIMENSIONS**

LEFT BANK	Banktop width (m)	<b>1.5</b>	RIGHT BANK	Banktop width (m)	<b>1.5</b>
Banktop height (m)	Water width (m)	<b>4</b>	Banktop height (m)	Water depth (m)	<b>1.2</b>
Embankment height (m)	Water depth (m)	<b>0.3</b>	Embankment height (m)		

If bankline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Outcrops

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, < 33% of the D  > 33% of the D

**MANAGEMENT PRACTICES**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick one box)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Lumpy debris  Fen  Flush

**IS 33% OR MORE OF THE CHANNEL CHOKED WITH VEGETATION?** NO  YES

**MANAGEMENT PRACTICES**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick one box) \_\_\_\_\_

**MAJOR IMPACTS:** flood/drain - clipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -  
 housing - mining - quarrying - overgrazing - effluent/drain - fisheries management - silt - other? = \_\_\_\_\_

**LAND MANAGEMENT:** set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

**ANIMALS:** otter - mink - water vole - kingfisher - dipper - grey heron - moorhen - heron - dragonfly/damselfly

**OTHER SIGNIFICANT OBSERVATIONS:** \_\_\_\_\_

**ALTERS:** None  Present  Extensive  Discussed Address? None  Present  Extensive

### RIVER HABITAT SURVEY SPOT CHECKS

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/m) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6524  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_


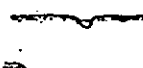

Grid Reference: TG13408 River: \_\_\_\_\_  
 Date: 03.5.1996 Time: 11.40 Surveyor name: G. COLLET Accreditation code: PCIC

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM** (tick one box only)

shallow vee   concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee   symmetrical floodplain  
 gorge   asymmetrical floodplain

Tornad valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFLES, POOLS AND UNVEGETATED POINT BARS**

Rifles \_\_\_\_\_ Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. N. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

**TALLY (see key for - Rifles) Pools Unveg. side bars Veg. point bars**

**U. PHYSICAL ATTRIBUTES**

Spot check 1 is: upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material by <u>W, H, O, C, G, S, L, P, M, B, S, V</u>	CA	GA	FA	GM	CA	GM	EA	GA	CA	GA
Bank modification(s) <u>W, H, O, C, G, S, L, P, M, B, S, V</u>	RS	NO	PC	NO	NO	NO	PC	PC	PC	NO
Bank feature(s) <u>W, H, O, C, G, S, L, P, M, B, S, V</u>	NO	NO	NO	NO	EC	NO	NO	NO	NO	NO
Channel substrate: <u>W, H, O, C, G, S, L, P, M, B, S, V</u>	SA	GP	GP	SA	GP	GP	SA	SA	SA	SA
Substrate slope: <u>R, O, G, S, P, O, P, O, B, O, M, -</u>	NA	IR	IR	NS	IR	IR	IR	NA	NA	NA
Flow type: <u>W, H, O, C, G, S, L, P, M, B, S, V</u>	SM	SM	RP	SM	RP	RP	SM	SM	SM	SM
Channel modification(s) <u>W, H, O, C, G, S, L, P, M, B, S, V</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>W, H, O, C, G, S, L, P, M, B, S, V</u>	NO	AR	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK** (tick functional features)

Material by W, H, O, C, G, S, L, P, M, B, S, V CA GA FA GM CA GM EA GA CA GA  
 Bank modification(s) W, H, O, C, G, S, L, P, M, B, S, V NO NO PC NO PC NO PC PC PC NO  
 Bank feature(s) W, H, O, C, G, S, L, P, M, B, S, V NO EC NO NO NO NO NO NO NO NO

**P. BANKTOP, LAND USE AND VEGETATION STRUCTURE** (tick one box in 10m wide transect)

Land use: choose one from BL, CP, OL, SR, SC, TR, IC, PL, VL, OR, UJ

LAND USE WITHIN 5m OF BANKTOP (L)	TG	SW	TA	TA	GA	IC	G	GA	TA	GA
LEFT BANK-TOP (structure within 1m) MUSIC	J	S	J	J	J	J	J	J	J	J
LEFT BANK FACE (structure) MUSIC	J	S	B	U	B	J	B	B	B	J
RIGHT BANK FACE (structure) MUSIC	J	B	B	J	J	J	J	B	B	J
RIGHT BANK-TOP (structure within 1m) MUSIC	J	S	J	J	J	J	J	J	J	J
LAND USE WITHIN 5m OF BANK TOP (R)	TG	TA	TA	TA	GA	IC	GA	TA	GA	TA

**VEGETATION** (tick one box)

NONE  PLANT GENERA - list line 5

Bryophytes/lichens	AP	UM								
Emergent broad-leaved herbs	M	N	A	E	✓	E	E	✓	✓	✓
Emergent reed/sedge/rushes	J	N	C	B						
Floating-leaved (rooted)	M	N	S	T						
Free-floating	A	L	X							
Amphibious					✓	✓	✓	✓	✓	✓
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algal					✓					

**6524**

**VEGETATION**

Broadleaved woodland (BL)			Scrub pasture (SP)		
Coniferous plantation (CP)			Improved/unimproved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Suburban/urban development (SU)	✓	✓

**ARTIFICIAL FEATURES**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/enclosed	✓	✓	Reinforced		
Vertical + toe			Reinforced - whole bank	✓	✓
Slope (> 4:1)	E	E	Reinforced - top only		
Grade	✓	✓	Reinforced - toe only		
Composite	✓	✓	Artificial two-stage		
			Poached	E	E
			Embanked		
			Set back embankments		

**TRILLS (tick one box per bank)**

None	Left	Right	Shading of channel	None	Percent E (2.5%)
Unstable/vertical	✓	✓	Overhanging boughs	✓	0
Regularly spaced, single	0	0	Exposed bankside rocks	✓	0
Occasional change	0	0	Underwater tree roots	✓	0
Bank-continuous	0	0	Fallen trees	✓	0
Continuous	0	0	Canoe waddy debris	✓	0

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Percent E	Marginal dead-water	None	Percent E (2.5%)
Caricade(s)	0	0	Exposed bedrock	0	0
Rapids(s)	0	0	Exposed boulders	0	0
Riffle(s)	0	0	Unvegetated mid-channel bar(s)	0	0
Bank(s)	0	0	Vegetated mid-channel bar(s)	0	0
Bank(s)	0	0	Major island(s)	0	0
Old(s)	0	0	Unvegetated side bar(s)	0	0
Pool(s)	0	0	Vegetated side bar(s)	0	0

Indicate predominant flow sequence (select up to three features): GLIDE-RUN

**RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES**

**EXCHANGE DIMENSIONS**

LEFT BANK	Banktop width (m)	2.5	RIGHT BANK		
Banktop height (m)	0.5	Water width (m)	1.25	Banktop height (m)	1.0
Embedded height (m)		Water depth (m)	0.25	Embedded height (m)	

If waterline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Pebbles

Location of measurement is: riffle  run or glide  other  (tick one box)

**GRAVITY OPERATIONS**

None  Number of Culverts = 1 Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Ponds = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roundbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**GRAVITY OPERATIONS (continued)**

None  Driveway  Moving  Wind-casting   
 Embankment  Other? State: \_\_\_\_\_

**GRAVITY OPERATIONS (continued)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foa  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

**GRAVITY OPERATIONS (continued)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Methy. Rhododendron fruticos

**GRAVITY OPERATIONS (continued)**

Major impacts: bankfill - dipping - litter - sewage - pollution - dredging - obstruction - mill - dam - road - cell - industry - housing - mining - quarrying - over-planting - afforestation - shelter - inappropriate - sitting - other? = \_\_\_\_\_  
 Lead Management: net-side - buffer strip - bankfill - channel bank - method - Mod - other =  
CARRA BOUND

Animals: otter - mink - water vole - kingfisher - dipper - grey heron - mallard - heron - dragonfly/damselfly

Other significant observations: \_\_\_\_\_

**GRAVITY OPERATIONS (continued)**

Alters? None  Present  Extensive  Decayed Alters? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source (km)	Significant tributary?	Navigation?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: **6532**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: **172368** River: **TEIRW**

Date: **13/5/1996** Time: **4:30 pm** Surveyor name: **Jan Hoad** Accreditation code: **FF36**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee	<input type="checkbox"/>	concave/bowl (if U-shaped glacial valley - add 'U')	<input type="checkbox"/>
deep vee	<input checked="" type="checkbox"/>	symmetrical floodplain	<input type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical floodplain	<input type="checkbox"/>

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles **32** Unvegetated point bars **0**  
 Pools **3** Vegetated point bars **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use JHS) for Riffles  Pools  Unveg. side bars Veg. point bars

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) (in one entry only)

Spot check 1 is upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional feature										
Material <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> A	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> A	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> A	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> A	CO	CO	GP	GP	BE	BE	BE	GP	GP	CO
Substrate shape <input checked="" type="checkbox"/> FL <input checked="" type="checkbox"/> OV <input checked="" type="checkbox"/> EL <input checked="" type="checkbox"/> SP <input checked="" type="checkbox"/> CU <input checked="" type="checkbox"/> PO <input checked="" type="checkbox"/> BL <input checked="" type="checkbox"/> Other = _____										
Flow type <input checked="" type="checkbox"/> FF <input checked="" type="checkbox"/> OL <input checked="" type="checkbox"/> RW <input checked="" type="checkbox"/> UN <input checked="" type="checkbox"/> CT <input checked="" type="checkbox"/> RP <input checked="" type="checkbox"/> UP <input checked="" type="checkbox"/> SM <input checked="" type="checkbox"/> RP <input checked="" type="checkbox"/> JO	UW	UW	RP	RP	UW	CH	CH	SM	RP	UW
Channel modification(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> A	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> A	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if fractional feature										
Material <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> A	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> A	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> A	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from <input type="checkbox"/> EL <input type="checkbox"/> CP <input type="checkbox"/> DR <input type="checkbox"/> MH <input type="checkbox"/> SC <input type="checkbox"/> TH <input type="checkbox"/> RI <input type="checkbox"/> KL <input type="checkbox"/> WL <input type="checkbox"/> OW <input type="checkbox"/> SU										
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	SC	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> A	S	S	U	S	U	S	S	C	S	S
LEFT BANK FACE (structure) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> A	S	S	U	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> A	S	S	S	S	S	S	S	S	U	S
RIGHT BANK-TOP (structure within 1m) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> A	S	U	U	S	S	C	S	S	U	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	WL	WL	BL	BL	BL	BL

CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect)

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs			<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

RTE NO. **6532** RIVER HABITAT SURVEY: PLANT COVERS

LAND USE WITHIN 5m OF BANKTOP

	L	R		L	R
woodland/mixed woodland (BL)	E	E	Rough pasture (RP)		
coniferous plantation (CP)			Improved/excised-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
farmland/heath (AH)			Wetland (eg bog, marsh, fen) (WL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
crab (SC)	<input checked="" type="checkbox"/>		Open water (OW)		
all herbs' next vegetation (TH)			Suburban/urban development (SU)		

CHANNEL VEGETATION TYPES

channel/unmodified	L	R	Artificial/modified	L	R
critical/bankcut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessional	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (>45)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
side	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
stepside			Artificial two-edge		
			Patched		
			Embanked		
			Set-back embankments		

TREES (tick one box per bank)

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (≥ 33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overlapping boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed buttress roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

WATERFALLS AND POOLS

Waterfall(s)	None	Percent E	Marginal deadwater	None	Percent E (≥ 33%)
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **CASCADE - RIFFLE - RUN**

RIVER HABITAT SURVEY: DIMENSIONS AND ENRICHES

CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	<b>5.5</b>	RIGHT BANK	
Banktop height (m)	Water width (m)	<b>4.0</b>	Banktop height (m)	<b>0.4</b>
Embanked height (m)	Water depth (m)	<b>0.2</b>	Embanked height (m)	

If trachea lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  boulders

Location of measurement is: riffle  run or glide  other  (tick one box)

PLANT COVER ATTRIBUTES (to be assessed over a 10m wide transect)

None  Number of Culverts = Weirs = Footbridges = 1 Other = Outfalls = Fords =

Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

RECORDS OF RIVER MANAGEMENT

None  Dredging  Mowing  Wood cutting   
 Embankment  Other 7 State

QUALITY OF LOCAL INTERESTS

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foss  Flush

CHOKED CHANNELS

Is 33% or more of the channel choked with vegetation? NO  YES

NOTABLE PLANT SPECIES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  Nettle  Rhododendron  bracken

MAJOR IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - spill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - silt - other? =

Local Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonfly/damselfly

Other significant observation: **VERY NICE! LITTLE/NO IMPACTS LITTLE/NO MGMT. FINE SIZED STREAM WITH MANY RAPIDS / RIFLES / W FALLS / GP BEDROCK, FLOWING HOLES THRU BEDROCK.**

9:30pm

ALDER STATUS

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive



**BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6534  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 328305 River: \_\_\_\_\_  
 Date 14/5/1996 Time: 10:15 Surveyor name Jam Hovda Accreditation code PF36

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM: tick one box only:**

shallow vee  concave/bowl  
 (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D: NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 7 Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 5BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 4

TALLY (use JHS) for: Riffles Pools Unveg side bars Veg point bars

**PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \*\* = doc entry only**

Spot check 1: upstream  downstream

LEFT BANK: TICK if functional fence	1	2	3	4	5	6	7	8	9	10
Material <u>BY, BE, BO, CO, CS, EA, FE, CL, CE, CP, FF, GA, GR, BR, BV</u>	BO	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NE, NO, JS, RJ, FC, BR, EM</u>	RS	NO	RS	RS	PC	RS	RS	RS		RS
Bank feature(s) <u>NY, NO, EC, SC, FR, VP, SB, VS</u>	NO	NO	NO	NO	NO	NO	NO	NO		NO
Channel substrate <u>NY, BE, BO, CO, CP, SA, SI, CL, PEAR</u>	GP	CO	SI	SI	GP	GP	GP	CL		GP
Substrate shape <u>FL, OV, EL, SF, CU, PO, BL, Othrs. - use</u>										
Flow type <u>FF, CH, SW, UN, CF, RP, UP, SM, RP, NO</u>	SM	RP	SM	SM	RP	SM	SM	SM		RP
Channel modification(s) <u>NE, NO, CY, RJ, BR, EM, FO</u>	NO	NO	NO	NO	NO	NO	NO	NO	CV	NO
Channel feature(s) <u>NY, NO, RO, NR, YR, AI, TR</u>	NO	NO	NO	NO	NO	NO	NO	NO		NO
RIGHT BANK: TICK if functional fence										
Material <u>BY, BE, BO, CO, CS, EA, FE, CL, CE, CP, FF, GA, GR, BR, BV</u>	EA	EA	EA	EA	EA	EA	EA	EA		EA
Bank modification(s) <u>NE, NO, JS, RJ, FC, BR, EM</u>	RS	PC	RS	RS	RS	RS	RS	RS		RS
Bank feature(s) <u>NY, NO, EC, SC, FR, VP, SB, VS</u>	NO	NO	NO	NO	NO	NO	NO	NO		NO

**F: BANKTOP, LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, DR, NH, SC, TH, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG		IG
LEFT BANK-TOP (structure within 1m) <u>MUSIC</u>	U	S	S	C	U	C	S	S		C
LEFT BANK FACE (structure) <u>MUSIC</u>	S	S	C	C	B	S	S	S		C
RIGHT BANK FACE (structure) <u>MUSIC</u>	C	B	C	C	C	B	S	S		C
RIGHT BANK-TOP (structure within 1m) <u>MUSIC</u>	C	U	S	C	C	S	C	C		S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG		IG

**ADJACENT VEGETATION TYPES (10m wide transect) (tick one box)**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

TE NO. 6534

	L	R		L	R
outkilled/woodland (BL)			Rough pasture (RP)		
miscroen plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tiled land (TL)		
Marshland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
sh (SC)			Open water (OW)		
l herbs' next vegetation (TH)			Suburban/urban development (SU)		

None/modified	L	R	Artificial/modified	L	R
None/modified			Recessed	E	E
steep (>45°)			Reinforced - whole bank		
steep (>45°)			Reinforced - top only		
steep (>45°)			Reinforced - toe only		
steep (>45°)			Artificial two-stage		
steep (>45°)			Preached		
steep (>45°)			Embanked		
steep (>45°)			Set back embankments		

**TYPE OF TREES AND ASSOCIATED FEATURES**

<b>TREES (tick one box per bank)</b>	None	Left	Right	<b>ASSOCIATED FEATURES (tick one box per feature)</b>	None	Present E (> 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (> 33%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ohole(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

etc predominant flow sequence (select up to three features): GLIDE - RIFFLE

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES

**CHANNEL DIMENSIONS (m)**

LEFT BANK	Banktop width (m)	<u>3.75</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>1.75</u>	Banktop height (m)	<u>0.6</u>
Embanked height (m)	Water depth (m)	<u>0.2</u>	Embanked height (m)	

If trapezium lower than banktop break in slope, indicate: height (m) = 0.5 width(m) = 3.25

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURAL FEATURES**

None  Number of Culverts = 1 Weirs = 0 Outfalls = 1 Fords = 0  
 Footbridges = 0 Roadbridges = 2 Other = RAILWAY  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**MANAGEMENT OF CHANNELS**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? State \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick one box)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water cascades  Marsh   
 Leafy debris  Foss  Flush

**CHOKED CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION MANAGEMENT**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**MAJOR IMPACTS:** bankfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? = \_\_\_\_\_

**LAND MANAGEMENT:** set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

**ANIMALS:** other - mist - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: SILT Y SLOTT STREAM, GENERAL/PAUCITY.

**ALDERS:** (tick one box per bank)

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive





**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6536  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 548306 River: SOUTON BROOK  
 Date: 4/5/1996 Time: 1:30 pm Surveyor name: lan Haines Accreditation code: PF36

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM; (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**8 PHYSICAL ATTRIBUTES (to be assessed across channel within 2 1/2 m wide transect) - one entry only**

Spot check 1 is upstream / downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL VEGETATION (Substrate shape code)	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Channel substrate	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
New type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RL, CP, OK, NH, SC, TH, RP, NO, TL, WL, OW, SI

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) BUI/SC	S	U	S	S	C	C	C	S	S
LEFT BANK FACE (structure) BUI/SC	S	S	U	S	S	S	S	S	S
RIGHT BANK FACE (structure) BUI/SC	S	S	U	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BUI/SC	S	S	S	S	C	C	S	S	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	RP

**Q CHANNEL VEGETATION TYPES (10m wide transect; E = > 33% area or tick (grassed) 100%)**

NONE									
Bryophytes/lichens									
Emerg broad-leaved herbs									
Emerg reeds/sedges/rushes	E	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerg flag/linear-leaved									
Filamentous algae									

IFE NO. 6536

**CHANNEL DIMENSIONS AND INFLUENCES (see page 4)**

LEFT BANK	Banktop width (m)	3.1	RIGHT BANK		
Banktop height (m)	0.6	Water width (m)	2.8	Banktop height (m)	0.6
Embedded height (m)		Water depth (m)	0.3	Embedded height (m)	

If banktop lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  rap or glide  other  (tick one box)

**ARTIFICIAL FEATURES**

None  Number of Culverts = Weirs = Overfalls = Ponds =  
 Footbridges = Roadbridges = Other =  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF CHANNEL MANAGEMENT (see page 4)**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State:

**CHARACTERS OF SPECIAL INTEREST (see page 4)**

None  Waterfalls > 3m high  Artificial open water  Bog  Other (state)  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pea  Fresh

**IS 33% OR MORE OF THE CHANNEL CHOKED WITH VEGETATION? NO  YES**

**NOTABLE NUISANCE PLANTS (see page 4)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**MAJOR IMPACTS (see page 4)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - wall - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: other - mist - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: OBVIOUSLY RESECTIONED BROOK - NOT VERY INTERESTING  
DEAD FOX HANGING OVER FENCE - EVIDENCE OF REMOVAL  
PHOTIC SPRAYING ADJACENT FIELDS AT THE TIME WITH SOME HEEBIDE

**ADDITIONAL COMMENTS (see page 4)**

Adlers? None  Present  Extensive  Disposed Adlers? None  Present  Extensive

**PREVALENT TREES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

None	Left	Right	None	Present E (> 33%)
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Scram continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Course woody debris	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Present E (> 33%)
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present E (> 33%)
Marginal deadwater	<input checked="" type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>
Marsh island(s)	<input type="checkbox"/>
Unvegetated side bar(s)	<input checked="" type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>

cate predominant flow sequence (select up to three features): GLIDE

1996 RIVER HABITAT SURVEY (with IFE mods for plant genera and fencing) Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6537  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 627315 River: TEEN  
 Date: 14/5/1996 Time: 4:45 pm Surveyor name: Ken Harris Accreditation code: PF36  
 Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (If U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (initial total number)**

Riffles 2 Unvegetated point bars   
 Pools 0 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TUN SPOT CHECKS Page 2 of 4

FALLY (use JHT) for: Riffles Pools Unveg side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - in one entry only**

Spot check 1 is: upstream  downstream

LEFT BANK: Ticks if functional focus	1	2	3	4	5	6	7	8	9	10
Material <u>WV,AL,NO,CO,CL,EA,PE,LC,CC,SP,WP,GA,BA,BS,W</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>WE,NO,RS,JP,PC,BN,EN</u>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <u>WV,NO,EC,SC,FR,VP,SB,VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <u>WV,BA,BO,CO,GF,SA,SL,CL,PEAR</u>	NV	SI	SI	GP	NV	GP	GP	GP	SI	NV
Substrate shape <u>FL,OV,EL,SP,EU,PO,IL,OH,SN,SW</u>	SM	SM	SM	RP	SM	SM	SM	SM	SM	SM
Flow type <u>FL,OL,FR,OV,CF,RF,UP,SM,SP,NO</u>	SM	SM	SM	RP	SM	SM	SM	SM	SM	SM
Channel modification(s) <u>WE,NO,CV,RS,BA,DA,FO</u>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) <u>WV,NO,RO,MR,VR,M,FR</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: Ticks if functional focus										
Material <u>WV,AL,NO,CO,CL,EA,PE,LC,CC,SP,WP,GA,BA,BS,W</u>	CA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>WE,NO,RS,JP,PC,BN,EN</u>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <u>WV,NO,EC,SC,FR,VP,SB,VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, NH, SC, TH, RP, NS, IL, WL, SW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) <u>BRUSC</u>	S	B	B	B	B	B	B	B	B	B
LEFT BANK FACE (structure) <u>BRUSC</u>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) <u>BRUSC</u>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) <u>BRUSC</u>	S	B	S	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	IG	IG	IG	IG	IG	IG	IG

**G CHANNEL VEGETATION BY USE (tick one box per use) or tick (special) if present**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Froo-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. 6537

**LAND USE AND VEGETATION**

Broad/linear woodland (BL)							
Coniferous plantation (CP)							
Orchard (OR)							
Moorland/heath (MH)							
Scrub (SC)							
Tall herb/ruft vegetation (TH)							
Natural/unmodified	L	R	Artificial/modified	L	R		
Vertical/wedged			Recessed				
Vertical + toe			Reinforced - whole bank				
Sharp (>45°)			Reinforced - top only				
Geodic			Reinforced - toe only				
Composite			Artificial two-stage				
			Paunched				
			Embanked				
			Sci-back embankments				

*(Apert from the channel, railway bridge the reinforcement was due to some very old / broken looking gabion by the side)*

**TREES (tick one box per bank)**

None	Left	Right	Associated Features (tick one box per feature)
Isolated/scattered			Shading of channel
Regularly spaced, single			Overhanging boughs
Occasional clumps			Exposed bankside roots
Scat-continuous			Underwater tree roots
Continuous			Fallen trees
			Coarse woody debris

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present E (≥ 33%)
Marginal downwater	
Exposed bedrock	
Exposed boulders	
Unvegetated mid-channel bar(s)	
Vegetated mid-channel bar(s)	
Manure island(s)	
Unvegetated side bar(s)	
Vegetated side bar(s)	

Waterfall(s)  Present  E   
 Cascade(s)  Present  E   
 Rapid(s)  Present  E   
 Riffle(s)  Present  E   
 Run(s)  Present  E   
 Bank(s)  Present  E   
 Obstacle(s)  Present  E   
 Pool(s)  Present  E

Indicate predominant flow sequence (select up to three features): GUIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND MEASUREMENTS

**VEGETATED DIMENSIONS**

LEFT BANK	Banktop width (m)	<u>9.50</u>	RIGHT BANK
Banktop height (m)	<u>1.5</u>	Water width (m)	<u>5.75</u>
Embanked height (m)		Water depth (m)	<u>0.2</u>
		Embanked height (m)	<u>2.0</u>

If transition lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown   
 Location of measurement is: riffle  run or glide  other  (tick one box)

**OVERFLOW DIMENSIONS**

None  Number of Culverts = \_\_\_\_\_ Weirs = 1 Outfalls = 1 Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**MAINTENANCE AND ALTERATIONS (tick one box per feature)**

None  Dredging  Moving  Wood-cutting   
 Enhancement  Other? State \_\_\_\_\_

**CHARACTERISTICS OF CHANNELS (tick one box per feature)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pea  Flush

**CROCKED CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES

**OTHER SIGNIFICANT FEATURES (tick one box per feature)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Notle Rhododendron bracken

**OTHER SIGNIFICANT OBSERVATIONS**

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - bombing - mining - quarrying - overtopping - afforestation - fisheries management - siltlog - other? = \_\_\_\_\_  
 Lead Management: net-awls - buffer strip - headland - abandoned land - polluted - MoD - other? = \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Other significant observations: River flows shallow (near/cross) with very shallow channel with very little water - result of gabions.

**ALTERATIONS (tick one box per feature)**

Alters? None  Present  Extensive  Damaged Alters? None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: **6538**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: **708386** River: **TERN**  
 Date: **14/5/1996** Time: **3<sup>15</sup> pm** Surveyor name: **lan harris** Accreditation code: **PFS6**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/bowl  
 (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  | IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles **13** Unvegetated point bars **1**  
 Pools **0** Vegetated point bars **3**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**A. PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide transect) - one category only**

Spot check 1 is upstream / downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> Ticks if functional fence										
Material <b>WV, WJ, W0, W1, W2, W3, W4, W5, W6, W7, W8, W9</b>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <b>NE, ND, NS, NW, NW, NW</b>	NO	PC	NO	NO	NO	NO	NO	NO	NO	RS
Bank feature(s) <b>WV, WJ, W0, W1, W2, W3, W4, W5, W6, W7, W8, W9</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b> Ticks if functional fence										
Channel substrate <b>WV, WJ, W0, W1, W2, W3, W4, W5, W6, W7, W8, W9</b>	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape <b>WV, WJ, W0, W1, W2, W3, W4, W5, W6, W7, W8, W9</b>	RP	RP	SM	SM	SM	UW	SM	SM	SM	RP
Channel modification(s) <b>NE, ND, NS, NW, NW, NW</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <b>WV, WJ, W0, W1, W2, W3, W4, W5, W6, W7, W8, W9</b>	RO	NO	NO	VB	NO	NO	VB	NO	NO	NO
<b>RIGHT BANK</b> Ticks if functional fence										
Material <b>WV, WJ, W0, W1, W2, W3, W4, W5, W6, W7, W8, W9</b>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <b>NE, ND, NS, NW, NW, NW</b>	NO	PC	NO	NO	NO	NO	NO	NO	NO	RS
Bank feature(s) <b>WV, WJ, W0, W1, W2, W3, W4, W5, W6, W7, W8, W9</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, NH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	IG	IG	IG	IG	IG	IG	IG	IG	SC
LEFT BANK-TOP (structure within 1m) <b>BL/S/C</b>	C	B	C	U	C	U	C	S	C	S
LEFT BANK FACE (structure) <b>BL/S/C</b>	S	B	S	B	C	S	C	S	S	S
RIGHT BANK FACE (structure) <b>BL/S/C</b>	S	B	S	C	C	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) <b>BL/S/C</b>	C	B	C	U	S	C	S	S	S	C
LAND USE WITHIN 5m OF BANK TOP (R)	BL	SC	SC	IG	IG	SC	IG	WL	IG	IG

**G CHANNEL VEGETATION TYPES (0m wide transect: E (2.5m) area) or tick (present) (0m wide transect)**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs				E	/	/	/	/	/	/
Emerg reeds/sedg/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious				/	/	/	/	/	/	/
Submerged broad-leaved							E			
Submerged fine/linear-leaved				/	/	/	/	/	/	/
Filamentous algae				/	/	/	/	/	/	/

IFE NO. **6538**

	L	R		L	R
Woodland (BL)	/	/	Rough pasture (RP)		
Wetland (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (NH)			Wetland (eg bog, marsh, fen) (WL)	/	/
Water (W)	/	E	Open water (OW)		
Herbs/road vegetation (TH)			Suburban/urban development (SU)		

**ARTIFICIAL FEATURES**

	L	R	Artificial/modified	L	R
Bank/embankment	/	/	Reinforced	/	/
Soil + toe	/	/	Reinforced - whole bank	/	/
Slope (>45°)	E	E	Reinforced - top only	/	/
Point	E	E	Reinforced - toe only	/	/
			Artificial two-stage	/	/
			Poached	/	/
			Embankment	/	/
			Set-back embankments	/	/

**TREES (tick one box per bank)**

	Left	Right	None	Percent E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Percent E (≥ 33%)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATERBODIES**

	None	Percent E (≥ 33%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ran(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Most predominant flow sequence (select up to three features): **Riffle - Low - Scum**

**CHANNEL DIMENSIONS AND INFLUENCES**

<b>LEFT BANK</b>	Banktop width (m)	2.4	<b>RIGHT BANK</b>	
	Banktop height (m)	0.5		Banktop height (m)
	Water width (m)	2.3		
	Water depth (m)	0.2		Embanked height (m)

If trapezoid lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION FEATURES**

None <input checked="" type="checkbox"/>	Number of	Overfalls =	Weirs =	Outfalls =	Fords =
		Footbridges =	Roadbridges =	Other =	

Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**RESIDUES OF PRESENT MANAGEMENT**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (0.5m wide transect)**

None <input type="checkbox"/>	Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input checked="" type="checkbox"/>	Bog <input checked="" type="checkbox"/>	Other (state) _____
	Bridled/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	
	Debris dams <input checked="" type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
	Leafy debris <input checked="" type="checkbox"/>	Fis <input type="checkbox"/>	Flask <input type="checkbox"/>	

**CHOKED CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES

**OBSTACLES**

None  Oast Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**MAJOR IMPACTS:** landfill - tipping - filter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - siltation - other? = \_\_\_\_\_

**LAND MANAGEMENT:** set-aside - buffer strip - bowland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

**ANIMALS:** other - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: **Small wet area with coarse reeds & sedge**  
**Bankside stream with some overbank vegetation (difficult to tell for sure)**

**ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Disturbed Alders? None  Present  Extensive

**1996 RIVER HABITAT SURVEY/ADDITIONAL INFORMATION**

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. NETWORK INFORMATION**

Reference network site number: 6591  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River:  
 Date: 11/1996 Time: 11:55 Surveyor name: W Accreditation code:  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate to be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. DOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:  
 NUMBER OF RIFLES POOL SAND POINT BARS

Rifles 5 Unvegetated point bars  
 Pools 1 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BRTD 688

**1996 RIVER HABITAT SURVEY/ADDITIONAL INFORMATION**

TALLY (see 2.1) for: Rifles Pools Unveg. side bars Veg point bars

**LEFT BANK**

Material	FA	EA	SA	FA	EA	EA	EA	EA	EA
Bank modification(s)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bank feature(s)	VS	ND	ND	ND	ND	SC	Z	N	N

**RIGHT BANK**

Material	FA	EA	SA	FA	EA	EA	EA	EA	EA
Bank modification(s)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bank feature(s)	VS	ND	ND	ND	ND	SC	Z	N	N

**BANKTOP, LAND USE AND VEGETATION STRUCTURE**

Land use: Choose one from SL, CL, OL, ML, SC, FL, SP, PL, RL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	CL	CL	CL	CL	CL	CL	CL	CL	CL
LEFT BANK-TOP (structure within 1m) BASIC	C	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BASIC	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BASIC	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BASIC	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	CL	CL	CL	CL	CL	CL	CL	CL	CL

**PLANT GENERA - list first 3**

NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bryophytes/lichens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent broad-leaved herbs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent reeds/rushes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating-leaved (round)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged fine-leaved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Filamentous type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**SITE NO. 6541**

**VEGETATION AND HABITAT DATA**

	L	R		L	R
Bronzedized woodbed (BL)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Rough grasses (RT)	<input type="checkbox"/>	<input type="checkbox"/>
Coarse siltation (CT)	<input type="checkbox"/>	<input type="checkbox"/>	Improved/mid-improved grass (IG)	<input type="checkbox"/>	<input type="checkbox"/>
Orchard (OR)	<input type="checkbox"/>	<input type="checkbox"/>	Tilled land (TL)	<input type="checkbox"/>	<input type="checkbox"/>
Moorland/heath (MH)	<input type="checkbox"/>	<input type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input type="checkbox"/>	<input type="checkbox"/>
Scrub (SC)	<input type="checkbox"/>	<input type="checkbox"/>	Open water (OW)	<input type="checkbox"/>	<input type="checkbox"/>
Tall herbs + wet vegetation (TH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Suburban/urban development (SU)	<input type="checkbox"/>	<input type="checkbox"/>

**NATURAL/UNMODIFIED**

	L	R		L	R
Vertical/random	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed	<input type="checkbox"/>	<input type="checkbox"/>
Vertical + toe	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input type="checkbox"/>
Steep (>45°)	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Geotic	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
Composite	<input type="checkbox"/>	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
			Poached	<input type="checkbox"/>	<input type="checkbox"/>
			Embanked	<input type="checkbox"/>	<input type="checkbox"/>
			Set-back embankments	<input type="checkbox"/>	<input type="checkbox"/>

**TREES (pick one box per bank)**

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging branches	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Pollen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (pick one box per feature)**

None	<input type="checkbox"/>	Percent E (≥ 11%)	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pollen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**WATERBARS**

None	<input checked="" type="checkbox"/>	Percent E (≥ 11%)	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pollen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

**1996 RIVER HABITAT SURVEY/ADDITIONAL INFORMATION**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<u>6.9</u>	RIGHT BANK	Banktop height (m)	<u>0.8</u>
Banktop height (m)	<u>0.8</u>	Water width (m)	<u>6.0</u>	Banktop width (m)	<u>0.8</u>
Embanked height (m)	<u>0.25</u>	Water depth (m)	<u>0.25</u>	Embanked height (m)	<u>0.25</u>

If bankline lower than banktop break in slope, indicate: height (m) =      width (m) =     

Bed material at the site: consolidated (compact)  unconsolidated (loose)  Outcrops

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURAL FEATURES**

None  Number of Culverts =      Weirs =      Outfalls =      Fords =       
 Footbridges =      Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**CHANNEL CHANGES**

None  Dredging  Moving  Wood-cutting   
 Embankment  Other? State:     

**CHARACTERISTICS OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)       
 Bridge/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

None  Great Haywood  Himalayan Balsam  Japanese Egrownd  Other? (tick Rhododendron bracken)

**OTHER SIGNIFICANT OBSERVATIONS**

Major impacts: bankline shifting, other vegetation, pollution, obstructions, silt, dam, sand, mill industry, housing, mining, quarrying, overtopping, afforestation, fisheries management, clipping, other? =     

Lead Management: set-back, buffer strip, banked, shaded bank, partition, MaD, other? =     

Animals: otter, eel, water vole, kingfisher, dipper, grey wagtail, mud martin, horn, dragonfly/damselfly

Other significant observations:     

ALTER? None  Present  Extensive  Damaged ALTER? None  Present  Extensive

**BACKGROUND MAP AND SITE INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number: 1547  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: \_\_\_\_\_ River: \_\_\_\_\_  
 Date: 12/1996 Time: 10:00 Surveyor name: JSS Accreditation code: \_\_\_\_\_

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bod of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D: NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles \_\_\_\_\_ Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 4BB

**RIVER HABITAT SURVEY - SPOT CHECKS** Page 2 of 4

TALLY (see D1) for: RIFLES Pools Unveg. side bars Veg point bars

**E. PHYSICAL ATTRIBUTES**

Spot check 1 at: upstream <input type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material (M) (A-D) (E-G) (H-I) (J-K) (L-M) (N-O) (P-Q) (R-S) (T-U) (V-W) (X-Y) (Z)	EA	EI	EA	EA	EA	EA	NI	NI	NI	ES
Bank modification (M) (A-D) (E-G) (H-I) (J-K) (L-M) (N-O) (P-Q) (R-S) (T-U) (V-W) (X-Y) (Z)	NO	Y	NO	Y	Y	Y	Y	Y	Y	Y
Bank feature (F) (A-D) (E-G) (H-I) (J-K) (L-M) (N-O) (P-Q) (R-S) (T-U) (V-W) (X-Y) (Z)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
<b>CHANNEL</b>										
Channel substrate (S) (A-D) (E-G) (H-I) (J-K) (L-M) (N-O) (P-Q) (R-S) (T-U) (V-W) (X-Y) (Z)	HJ	NI	NI	NI	NI	GO	GO	NI	NI	NI
Substrate shape (F) (A-D) (E-G) (H-I) (J-K) (L-M) (N-O) (P-Q) (R-S) (T-U) (V-W) (X-Y) (Z)	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Flow type (F) (A-D) (E-G) (H-I) (J-K) (L-M) (N-O) (P-Q) (R-S) (T-U) (V-W) (X-Y) (Z)	EN	Y	Y	Y	Y	Y	Y	Y	Y	Y
Channel modification (M) (A-D) (E-G) (H-I) (J-K) (L-M) (N-O) (P-Q) (R-S) (T-U) (V-W) (X-Y) (Z)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Channel feature (F) (A-D) (E-G) (H-I) (J-K) (L-M) (N-O) (P-Q) (R-S) (T-U) (V-W) (X-Y) (Z)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
<b>RIGHT BANK</b>										
Material (M) (A-D) (E-G) (H-I) (J-K) (L-M) (N-O) (P-Q) (R-S) (T-U) (V-W) (X-Y) (Z)	EA	EI	EA	EA	EA	EA	NI	NI	NI	ES
Bank modification (M) (A-D) (E-G) (H-I) (J-K) (L-M) (N-O) (P-Q) (R-S) (T-U) (V-W) (X-Y) (Z)	NO	Y	NO	Y	Y	Y	Y	Y	Y	Y
Bank feature (F) (A-D) (E-G) (H-I) (J-K) (L-M) (N-O) (P-Q) (R-S) (T-U) (V-W) (X-Y) (Z)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

**F. BANKTOP LAND USE AND VEGETATION STRUCTURES (to be recorded only in 10m wide transects)**

Land use: choose one from SL, CL, OL, HL, RL, TL, PL, FL, GL, OL, PL, SL

LAND USE WITHIN 5m OF BANKTOP (L)	7G	7S	7C	7T	7E	7O	7D	7U	7V
LEFT BANK TOP (structure within 1m) (M) (A-D) (E-G) (H-I) (J-K) (L-M) (N-O) (P-Q) (R-S) (T-U) (V-W) (X-Y) (Z)	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) (M) (A-D) (E-G) (H-I) (J-K) (L-M) (N-O) (P-Q) (R-S) (T-U) (V-W) (X-Y) (Z)	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) (M) (A-D) (E-G) (H-I) (J-K) (L-M) (N-O) (P-Q) (R-S) (T-U) (V-W) (X-Y) (Z)	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) (M) (A-D) (E-G) (H-I) (J-K) (L-M) (N-O) (P-Q) (R-S) (T-U) (V-W) (X-Y) (Z)	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANKTOP (R)	7G	7S	7C	7T	7E	7O	7D	7U	7V

**VEGETATION RECORD**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens									
Emerg broad-leaved herbs (e.g. <i>Sagittaria</i> )									
Emerg root/rhizome/stem (e.g. <i>Sagittaria</i> )									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerged fine/linear-leaved (e.g. <i>Utricularia</i> )									
Filamentous algae									

**RIVER HABITAT SURVEY - CHANNEL DIMENSIONS AND INFLUENCES**

**D: CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	4	RIGHT BANK	Banktop height (m)	1-2
Banktop height (m)	Water width (m)	4	Banktop height (m)	Water depth (m)	1-2
Embarked height (m)	Water depth (m)	1	Embarked height (m)		

If transect lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**MAN-MADE FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Is water impounded by weirs? No  Yes, <33% of site  >33% of site

**REVISIONS TO CHANNEL DIMENSIONS**

None  Dredging  Moving  Wood cutting   
 Enhancement  Other? State: \_\_\_\_\_

**OPERATORS OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brakes/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Loose debris  Pits  Flats

**CHANGED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**QUINCY CHANNEL**

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (state)

**REVISIONS TO CHANNEL DIMENSIONS**

Major impacts: bankfill - dredging - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - shading - quarrying - overtopping - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-back - buffer strip - broadland - abandoned land - pasture - MoD - other? = \_\_\_\_\_

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: \_\_\_\_\_

**5. ALDERS**

Alders? None  Present  Extensive  Damaged Alders? None  Present  Extensive

**TRUNKS (tick one box per bank)**

None	Left	Right	Shading of channel	None	Percent B (2.11%)
Unshaded/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scal continuous	<input type="checkbox"/>	<input type="checkbox"/>	Palm trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overgrown	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Percent B	Marginal deadwater	None	Percent B (2.11%)
Overbank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Meters island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

date predominant flow sequences (select up to three features): \_\_\_\_\_

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary?	Navigation?
Height of source (m)	Water Quality Class	

Reference network site number: 69 6544

Mid-tide grid reference of network site if different from designated location:

Grid Reference: River:

Date: 3/7/1996 Time: 11:00 Surveyor name: ... Accreditation code: ...

Adverse conditions affecting survey? No  Yes  If yes, state ...

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
(duplicate will be made by scanning)  
and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM**

shallow vee	concave/bowl (if U-shaped glacial valley - add "U")
deep vee	symmetrical floodplain
gorge	asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS**

Rifles	Unvegetated point bars
Pools	Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
P.H. GAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BERT 688

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within 2m wide channel)**

TALLY (see PD) for - Rifles Pools Unveg. side bars Veg. point bars

Spot check 1 m upstream	1	2	3	4	5	6	7	8	9	10
-------------------------	---	---	---	---	---	---	---	---	---	----

**LEFT BANK**

Material	GA	GA	NY	GA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NY	NY	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NY	NY	NY	NO	NO	NO	NO	NO	NO

**RIGHT BANK**

Material	NY	NY	NY	NY	NY	NY	NY	NY	NY	NY
Bank modification(s)	NY	NY	NY	NY	NY	NY	NY	NY	NY	NY
Bank feature(s)	NY	NY	NY	NY	NY	NY	NY	NY	NY	NY

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from SL, CF, CR, NR, SC, TH, RP, IC, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SH	TH	P	TI	TS	TE	ST	SU	SL	EA
LEFT BANK-TOP (structure within 1m) BAUSC	S	E								
LEFT BANK FACE (structure) BAUSC	S	E								
RIGHT BANK FACE (structure) BAUSC	S	E								
RIGHT BANK-TOP (structure within 1m) BAUSC	S	U								
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TE								

**G. CHANNEL VEGETATION**

NONE / PLANT GENERA - list first 3										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/bulrushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fan/linear-leaved										
Filamentous algae										

STB NO. 6544

**H. BANK AND CHANNEL VEGETATION**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coolerian plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, scrub, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)	E	F	Suburban/urban development (SU)	E	

**I. CHANNEL VEGETATION**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/wedged			Reinforced		
Vertical + toe			Reinforced - whole bank		
Sloped (>45°)			Reinforced - top only		
Graded			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**J. CHANNEL VEGETATION ASSOCIATED FEATURES**

TREES (pick one box per bank)	Left	Right	ASSOCIATED FEATURES (pick one box per feature)	None	Present E (2-11%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Standing of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scrub-coastlines	<input type="checkbox"/>	<input type="checkbox"/>	Pilces trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**K. CHANNEL VEGETATION ASSOCIATED FEATURES (continued)**

	None	Present E (2-11%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>
Channel(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

Marginal ditchwater: None  Present E

Exposed bedrock: None  Present E

Exposed boulders: None  Present E

Unvegetated mid-channel bar(s): None  Present E

Vegetated mid-channel bar(s): None  Present E

Mature island(s): None  Present E

Unvegetated side bar(s): None  Present E

Vegetated side bar(s): None  Present E

Indicate predominant flow sequence (select up to three features): ...

**L. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	2.9	RIGHT BANK	Banktop height (m)	1.0
Banktop height (m)	Water width (m)	2.2	Banktop width (m)	Water depth (m)	0.4
Embankment height (m)	Water depth (m)	0.4	Embankment height (m)		

If bankline lower than banktop break in slope, indicate: height (m) = ... width (m) = ...

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chertstone

Location of measurement is: riffle  rap or glide  other  (tick one box)

**M. CHANNEL VEGETATION**

None <input checked="" type="checkbox"/>	Number of Culverts = <u>...</u>	Wains = <u>...</u>	Outfalls = <u>...</u>	Fords = <u>...</u>
	Footbridges = <u>...</u>	Rebridges = <u>...</u>	Other = <u>...</u>	

Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**N. CHANNEL VEGETATION MANAGEMENT**

None <input checked="" type="checkbox"/>	Dredging <input type="checkbox"/>	Mowing <input type="checkbox"/>	Wood cutting <input type="checkbox"/>
	Enhancement <input type="checkbox"/>	Other 7 State <input type="checkbox"/>	

**O. CHANNEL VEGETATION SPECIAL FEATURES**

None <input checked="" type="checkbox"/>	Waterfalls > 3m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state) <u>...</u>
	Brick/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Cart <input type="checkbox"/>	
	Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
	Leafy debris <input type="checkbox"/>	Poa <input type="checkbox"/>	Flush <input type="checkbox"/>	

Is 33% or more of the channel choked with vegetation? NO  YES

**P. CHANNEL VEGETATION MANAGEMENT (continued)**

Major impacts: bank(s) - tipping - silt - sewage - pollution - straight - obstruction - wall - other - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - siting - other? = ...

Land Management: set-back - buffer strip - headland - abandoned land - partland - MaD - other? = ...

Animals: otter - mink - water vole - kingfisher - dipper - grey heron - sand martin - tern - dragonfly/damselfly

Other significant observations: ...

**Q. CHANNEL VEGETATION MANAGEMENT (continued)**

Alters: None  Present  Extensive  Channel Alters: None  Present  Extensive



**BACKGROUND INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Pluvial category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

Reference network site number:  
 Mid the grid reference of network site if different from designated location:

Grid Reference: **6545** River:  
 Date: **14/6/1996** Time: **09:55** Surveyor name: **P. Legett** Accreditation code: **PF35**

Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley - odd 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles **3** Unvegetated point bars   
 Pools **0** Vegetated point bars

AND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, SR 20 688

**CHANNEL DIMENSIONS AND CHARACTERISTICS**

Flow category: **1** Fluvial **1** Upland indicators **1** Veg point bars

Material	EA	EA	EA	EA	BR	CC	OR	PA	EA	EA
Bank vegetation(s)	NO	NO	1/2	1/2	1/2	1/2	1/2	NO	NO	NO
Bank texture(s)	NO	1/2	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	CC	1/2	NO	PP	PP	SP	NO	NO	PP	PP
Substrate shape	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	NO
Channel modification(s)	NO	NO	RS	RS	RS	RS	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material	EA	EA	EA	EA	BR	CC	OR	PA	EA	EA
Bank modification(s)	RS	NO	1/2	1/2	1/2	1/2	1/2	NO	NO	NO
Bank texture(s)	NO	SC	NO	NO	NO	NO	NO	NO	NO	NO

Land use: Choose one from L, O, D, M, K, T, R, P, S, F, W, O, T, U

LAND USE WITHIN 5m OF BANKTOP (L)	IF	TH	IS	IS	SU	RE	RE	RE	RE	TH
LEFT BANK-TOP (structure within 1m) MUSIC	S	U	U	U	B	S	U	U	U	U
LEFT BANK FACE (structure) MUSIC	S	U	U	U	B	U	U	U	S	S
RIGHT BANK-TOP (structure within 1m) MUSIC	S	U	U	U	B	U	U	U	S	S
RIGHT BANK FACE (structure) MUSIC	S	U	U	U	B	U	U	U	S	S

**PLANT COMMUNITY**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emergent broad leaved herbs										
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	/
Flowering leaved (moss)										
Fresh flooding										
Amphibious										
Submerged broad leaved										
Emergent floating leaved	/	/	/	/	/	/	/	/	/	/
Emergent algae	/	/	/	/	/	/	/	/	/	/

IFE NO. **6545**

undisturbed woodland (UL)			Rough pasture (RP)	E	E
silvicultural plantation (CP)			improved/semi-improved grass (IC)	E	E
Orchard (OR)			Filled bed (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
moor (M)			Open water (OW)		
Slippery mud vegetation (TB)	/	/	Suburban/urban development (SU)	/	/

**CHANNEL CHARACTERISTICS**

Channel/modified	L	R	Artificial/modified	L	R
riparian/terrestrial	/	/	Reinforced	/	/
field + tree	/	/	Reinforced - whole bank	/	/
Step (> 45°)	/	/	Reinforced - top only	/	/
Grate	/	/	Reinforced - toe only	/	/
Spillway	/	/	Artificial two-stage	/	/
			Punctured		
			Embanked		
			Set back embankments		

**TERS (tick one box per bank)**

None	Left	Right	None	Present	5 (2.11%)
Isolated/scattered	/	/	Shading of channel	/	/
Regularly spaced, single	/	/	Overhanging boughs	/	/
Occasional clumps	/	/	Exposed bankside roots	/	/
Small continuous	/	/	Underwater tree roots	/	/
Continuous	/	/	Pulver trees	/	/
			Course woody debris	/	/

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Present	5 (2.11%)		
Caricatures	/	/	Marginal dead-water	/	/
Rapid(s)	/	/	Exposed bedrock	/	/
Riffle(s)	/	/	Exposed boulders	/	/
Ram(s)	/	/	Unvegetated mid channel bar(s)	/	/
Bank(s)	/	/	Vegetated mid channel bar(s)	/	/
Ohole(s)	/	/	Mature island(s)	/	/
Pool(s)	/	/	Unvegetated side bar(s)	/	/
			Vegetated side bar(s)	/	/

date predominant flow sequence (select up to three features):

**CHANNEL DIMENSIONS AND CHARACTERISTICS**

LEFT BANK	Banktop width (m)	<b>9.50</b>	RIGHT BANK	
Banktop height (m)	Water width (m)	<b>8.20</b>	Banktop height (m)	<b>1.05</b>
Embanked height (m)	Water depth (m)	<b>0.30</b>	Embanked height (m)	

If bankline lower than banktop break in slope, indicate: height (m) = / width (m) = /

Bed material at site is: cobbles (common)  fine-grained (loose)  bankstone

Location of measurement is: riffle  pool or glide  other  (tick one box)

Notes:  Number of Culverts = / Weirs = / Obstacles = **4** Piers = /  
 Footbridges = /  
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**MANAGEMENT**

Notes:  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State: /

**CHARACTERISTICS OF SPECIAL INTEREST**

None	<input checked="" type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Bog	<input type="checkbox"/>	Other (state)
Waterfalls > 5m high	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Carr	<input type="checkbox"/>	
Brick/side channels	<input type="checkbox"/>	Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>	
Debris dams	<input type="checkbox"/>	Poa	<input type="checkbox"/>	Flush	<input type="checkbox"/>	

Is 33% or more of the channel choked with vegetation? NO  YES

Notes:  Glass Hogweed  Himalayan Balsam  Japanese Knotweed  Other? *Nettle Rhododendron fraxino*

**MAJOR IMPACTS** (tick all that apply): logging - felling - thinning - drainage - abstraction - silt - dam (road) - rail industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - silt - other? /

Land Management: set aside - buffer strip - headland - abandoned land - pasture - MoD - other? /

Animals: other - mistle - water vole - kingfisher - dipper - grey wagtail - moor martin - heron - dragonfly/damselfly

Other significant observations: *bank head under Mt. Fish is over, 1 by outfall way dead. much surrounding in risk.*

Altitude: None  Present  Extensive  Distinct Altitude None  Present  Extensive



**1996 RIVER HABITAT SURVEY** with IPB model for plant genera and fencing. Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6549  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: SK 81039 River: DEVON  
 Date: 18.5.1996 Time: 10.45 Surveyor name: P. HANNAH Accreditation code: FR

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Mod of river visible? No  partially  entirely  (tick one box)

IPB single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles 5 Unvegetated point bars 1  
 Pools 2 Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS** Page 2 of 4

TABLE 1 (see IPB) for - Rifles  Pools  Unveg. side bars  Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel width in 1m wide transects) - 100m only**

Spot check 1 is upstream / downstream	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK - SOFTNESS (functional scores)</b>	CA	EA	LA	CL	CC	CA	EA	LA	CL	CA
Material (M) of 40 CO, CL, EA, LA, CC, CP, VP, CA, M, R, B, W										
Bank modification(s)	NO	NO	NO	RS	NO	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNELS</b>										
Channel substrate	CP	CL	CL	GP	GP	GP	SA	GP	GP	GP
Material (M) of 40 CO, CL, EA, LA, CC, CP, VP, CA, M, R, B, W										
Substrate shape	FL	FL	NA	IR	IR	IR	IR	IR	IR	IR
Flow type	CP	CP	RP	LU	LU	LU	LU	LU	LU	LU
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	MS	MS	MS	MS	MS	MS	MS
<b>RIGHT BANK - TICK if functional scores</b>										
Material (M) of 40 CO, CL, EA, LA, CC, CP, VP, CA, M, R, B, W	EA	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MN, SC, TH, RP, IG, FL, WL, OW, BU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	BL	IG	RL	BL	SC	SC	TH	SC	TH
LEFT BANK TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SW	SW	SC	TH	SC	SW	TH	TH	TH	TH

**G. SCANNED VEGETATION TYPES (tick one box)**

NONE / PLANT GENERA - list first 5					
Bryophytes/lichens					
Emerg broad leaved herbs					
Emerg reeds/sedges/rushes					
Floating leaved (rooted)					
Frac. floating					
Amphibious					
Submerged broad leaved					
Submerg fine/linear leaved					
Filamentous algae					

**SITE NO. 6549**

**LAND USE AND VEGETATION**

	L	R		L	R
Broad/ mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/some-improved grass (IG)		
Orchard (OR)			Filled land (FL)		<input checked="" type="checkbox"/>
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Open water (OW)		
Tall herbs / wet vegetation (TH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Suburban/urban development (SU)	E	E

**CHANNELS**

	L	R	Artificial/modified	L	R
Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Vertical/wedged	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	E	E
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank		
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Grade	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**TREES (tick one box per bank)**

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (2-33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scrub continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coniferous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATERBARS AND RELATED FEATURES**

	None	Percent E	None	Percent E (2-33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal downwater	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Slide Ram Riffle

**1996 RIVER HABITAT SURVEY - DIMENSIONS AND PARAMETERS**

**CHANNEL DIMENSIONS**

LEFT BANK	Backstop width (m)	8.0	RIGHT BANK	
Backstop height (m)	3.0	Water width (m)	4.0	Backstop height (m)
Embanked height (m)		Water depth (m)	0.20	Embanked height (m)

If trapezium lower than backstop break in slope, indicate: height (m) = 0.90 width(m) = 4.0

Bed material at site is: consolidated (compact)  unconsolidated (loose)  bankdown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL PARAMETERS**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**EVIDENCE OF CHANNEL MODIFICATION**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? Some gabion on bank

**CHARACTERISTICS OF CHANNELS (tick one box)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fog  Flash

Is 33% or more of the channel choked with vegetation? NO  YES

**INDICATE NUMBER OF SPECIES (tick one box)**

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other? None Rhododendron bracken

**MAJOR IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - mining - mining - quarrying - overgrazing - afforestation - Salmon management - siting - other? = \_\_\_\_\_

**LAND MANAGEMENT**

Land Management: set aside - buffer strip - broadland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

**ANIMALS**

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: Top water through garden, substrate dry below flow under stone, below this is some sand with gravel substrate. Heavy silt on left.

Altitude? None  Present  Extensive  Dammed Altitude? None  Present  Extensive

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION:**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS:**

Reference network site number: CS50  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: TF 929 209 River: WITHAM  
 Date: 11/5/1996 Time: 19:15 Surveyor name: P. Dawson Accreditation code: CF  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total)**

Riffles 3 Unvegetated point bars   
 Pools 5 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6RB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

FULLY (use left) or PARTIALLY (use right) (Use tick marks)

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 m upstream 1 m downstream

**LEFT BANK** TICK if functional fence

Material	CL	LA	EA	GA	CA	PA	EA	EA	EA
Bank modification(s)	RS	PL	NO	PA	PL	RS	PL	RS	PL
Bank feature(s)	NO	PL	NO	PL	NO	NO	NO	NO	NO

**CHANNEL** TICK if functional fence

Channel substrate	GP	GP	GP	GP	GP	SL	GP	NP	CL
Substrate shape	IR	IR	IR	IR	IR	NA	IR	NA	IR
Flow type	RP	SM	SM	SM	SM	SM	RP	NP	NP
Channel modification(s)	NS	NS	NS	NS	NS	NS	NS	NS	NS
Channel feature(s)	NS	NS	NS	NS	NS	NS	NS	NS	NS

**RIGHT BANK** TICK if functional fence

Material	CL	LA	EA	GA	CA	PA	EA	EA	EA
Bank modification(s)	RS	PL	NO	PA	PL	RS	PL	RS	PL
Bank feature(s)	NO	PL	NO	PL	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: Choose one from: CL, LA, EA, GA, CA, PA, RS, PL, NS, NP, CL

LAND USE WITHIN 5m OF BANKTOP (L)	1G	1G	1G	1G	TH	1G	TH	TH	1G
LEFT BANK TOP (structure within 1m)	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC
LEFT BANK FACE (structure)	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC
RIGHT BANK FACE (structure)	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC
RIGHT BANK TOP (structure within 1m)	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC	BAUSC
LAND USE WITHIN 5m OF BANK TOP (R)	1G	1G	1G	1G	TH	1G	TH	TH	1G

**G. CHANNEL VEGETATION TYPES**

NONE									
Bryophytes/algae									
Emergent broad-leaved herbs									
Emergent reeds/sedges/rushes									
Floating-leaved (macro)									
Free-floating									
Amphiphilous									
Submerged broad-leaved									
Submerged fine-leaved									
Filamentous algae									

STE NO. CS50

**H. LAND USE WITHIN 50m OF BANKTOP**

Broadleaf/mixed woodland (BL)					
Coniferous plantation (CP)					
Orchard (OR)					
Moorland/heath (MH)					
Scrub (SC)					
Tall herbs - wet vegetation (TH)					

**I. CHANNEL VEGETATION TYPES**

Natural/unmodified					
Vertical/undercut					
Vertical + toe					
Steep (>45)					
Grade					
Composite					

**J. VEGETATION TYPES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

None					
Isolated/scattered					
Regularly spaced, single					
Occasional clumps					
Semi-continuous					
Continuous					

**ASSOCIATED FEATURES (tick one box per feature)**

Shading of channel					
Overhanging boughs					
Exposed bankside roots					
Underwater tree roots					
Fallen trees					
Coarse woody debris					

**K. CHANNEL VEGETATION TYPES**

None					
Waterfalls > 5m high					
Braided/side channels					
Debris dams					
Leafy debris					

Indicate predominant flow sequence (select up to three features): Shade

**L. CHANNEL DIMENSIONS (to be measured on bank side and central planform section consistently)**

LEFT BANK	Banktop width (m)	<u>14</u>	RIGHT BANK	Banktop height (m)	<u>50</u>
Banktop height (m)	<u>1.50</u>	Water width (m)	<u>11</u>	Banktop height (m)	<u>50</u>
Embanked height (m)	<u>0.50</u>	Water depth (m)	<u>0.20</u>	Embanked height (m)	<u>0.50</u>

If trapezoid lower than banktop break in slope, indicate: height (m) = 0.20 width (m) = 1.50

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M. CHANNEL VEGETATION TYPES**

None  Number of Cut-walls = 1 Weirs = 0 Outfalls = 0 Fords = 0  
 Footbridges = 1 Roadbridges = 0 Other = Shade gates  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**N. CHANNEL VEGETATION TYPES**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? Shade

**O. CHANNEL VEGETATION TYPES**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fec  Flush

**P. CHANNEL VEGETATION TYPES**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q. CHANNEL VEGETATION TYPES**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? None

**R. CHANNEL VEGETATION TYPES**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fabricia management - siltation - other? =  
 Land Management: set-aside - buffer strip - headland - abandoned land - pasture - MoD - other? =  
 Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly  
 Other significant observations: Upstream of the mill all corrected shade gates and parallel with. Below the mill the river is very natural and empty banks from brown timber plantations.

Altery? None  Present  Extensive  Discussed Altery? None  Present  Extensive

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number 6551  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: TF 086330 River:  
 Date: 11/1996 Time: 14:00 Surveyor name: DAWSON Accreditation code:  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vcc  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vcc  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:  
**NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**  
 Riffles 5 Unvegetated point bars 1  
 Pools 2 Vegetated point bars 3

END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TBN SPOT CHECKS Page 2 of 4

Fully (see p.1) riffles 1111 Pools 11 Unveg side bars 1 Veg point bars 1

**II. PHYSICAL ATTRIBUTES (to be checked across channel within 2.5m wide transects) - one entry only**

Your check is upstream / downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material <u>W, M, S, C, G, P, F, L, R, B, O, C, S, P, M, R, B, W, E, H</u>	EA	CA	EA	EA	EA	CA	EA	EA	EA	EA
Bank modification(s) <u>W, M, S, C, G, P, F, L, R, B, O, C, S, P, M, R, B, W, E, H</u>	50	40	100	100	RS	NO	NO	NO	NO	RS
Bank feature(s) <u>W, M, S, C, G, P, F, L, R, B, O, C, S, P, M, R, B, W, E, H</u>	US	NO	VS	SO	EC	NO	VB	NO	NO	NO
<b>RIGHT BANK</b>										
Material <u>W, M, S, C, G, P, F, L, R, B, O, C, S, P, M, R, B, W, E, H</u>	EA	CA	EA	EA	EA	CA	EA	EA	EA	EA
Bank modification(s) <u>W, M, S, C, G, P, F, L, R, B, O, C, S, P, M, R, B, W, E, H</u>	50	40	100	100	RS	NO	NO	NO	NO	RS
Bank feature(s) <u>W, M, S, C, G, P, F, L, R, B, O, C, S, P, M, R, B, W, E, H</u>	US	NO	VS	SO	EC	NO	VB	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use choose one from B, CP, DM, MH, SC, TH, RP, AG, FL, WT, LTM, ST

LAND USE WITHIN 5m OF BANKTOP (L)	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
LEFT BANK TOP (structure within 1m) <u>AG/SC</u>																			
LEFT BANK FACE (structure) <u>AG/SC</u>																			
RIGHT BANK FACE (structure) <u>AG/SC</u>																			
RIGHT BANK TOP (structure within 1m) <u>AG/SC</u>																			
LAND USE WITHIN 5m OF BANK TOP (R)																			

**G. CHANNEL VEGETATION/EXPOSURE**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens																			
Emerg broad leaved herbs																			
Emerg roots/sedges/rushes																			
Flowering leaved (rooted)																			
Free floating																			
Amphiphous																			
Submerged broad leaved																			
Submerg fine/linear leaved																			
Filamentous algae																			

SITE NO. 6551

	L	R		L	R
Broadleaf/decid woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/semi vegetation (TH)			Suburban/urban development (SU)		

Natural/semi-modified	L	R	Artificial/modified	L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Poached	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set back embankments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**TREES (tick one box per bank)**

	Left	Right	None	Percent E (>1%)
None	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Percent E (>1%)
Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	None	Percent E (>1%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Canal(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

1996 RIVER HABITAT SURVEY: DIMENSIONS AND DIMENSIONS

LEFT BANK	Banktop width (m)	5.0	RIGHT BANK	Banktop width (m)	5.0
Banktop height (m)	1.0	Water width (m)	1.50	Banktop height (m)	1.0
Embanked height (m)		Water depth (m)	0.30	Embanked height (m)	

If suitable lower than banktop break in slope, indicate: height (m) = 0.75 width(m) = 1.50

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**III. CHANNEL VEGETATION/EXPOSURE**

None  Number of Culverts = 0 Weirs = 0 Roadbridges = 1 Outfalls = 0 Fords = 0  
 Footbridges = 1 Other = 0  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**IV. CHANNEL VEGETATION/EXPOSURE**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? State: None

**V. FEATURES FOR SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state): None  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foss  Flush

**VI. CHANNEL CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**VII. CHANNEL CHANNEL**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**VIII. CHANNEL CHANNEL**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siting - other? = None

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? = None

Animals: otter - stoat - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Rehabilitation of channel through water action structure and culley, dam, etc. getting rid of debris, much erosion/deposition along channel very little flow - depth of water very odd.

Address? None  Present  Extensive  Diamed Address? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6552  
 Mid-site grid reference of network site if differs from designated location:

Grid Reference: River: South Fore  
 Date: 8/5/1996 Time: 1300 Surveyor name: P. HENYALE Accreditation code: (151)  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE: single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/hoop (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 0 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH10 6BB

1996 RIVER HABITAT SURVEY - RIFLE SPOT CHECKS Page 2 of 4

TABLE 1 (see IFE) for Riffles Points Unveg side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within 2m wide transects) - one only only**

Spot check (1 = upstream, 10 = downstream)

LEFT BANK	1	2	3	4	5	6	7	8	9	10
Material <u>WV, BV, CO, CL, CP, SA, SL, CL, PE, AR</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NE, NW, SE, SW, PE, BE, DE</u>	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
Bank feature(s) <u>WV, BV, CO, CL, CP, SA, SL, CL, PE, AR</u>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Channel substrate <u>WV, BV, CO, CL, CP, SA, SL, CL, PE, AR</u>	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
Substrate shape <u>FL, OH, CL, SP, CU, PO, BE, OH, OH</u>	UA	UA	UA	UA	UA	UA	UA	UA	UA	UA
Flow type <u>FL, OH, CL, SP, CU, PO, BE, OH, OH</u>	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) <u>NE, NW, SE, SW, PE, BE, DE</u>	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
Channel feature(s) <u>WV, BV, CO, CL, CP, SA, SL, CL, PE, AR</u>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: Choose one from list of 10M, 5M, 1M, 0.5M, 0.1M, 0.05M, 0.01M

LAND USE WITHIN 5m OF BANKTOP (L)	1G	1S	1F	1C	1G	1G	1G	1G	1G
LEFT BANK TOP (structure within 1m) <u>BAUSC</u>	1A	1A	1A	1A	1A	1A	1A	1A	1A
LEFT BANK FACE (structure) <u>BAUSC</u>	1A	1A	1A	1A	1A	1A	1A	1A	1A
RIGHT BANK FACE (structure) <u>BAUSC</u>	1A	1A	1A	1A	1A	1A	1A	1A	1A
RIGHT BANK TOP (structure within 1m) <u>BAUSC</u>	1A	1A	1A	1A	1A	1A	1A	1A	1A
LAND USE WITHIN 5m OF BANK TOP (R)	1G	1S	1F	1C	1G	1G	1G	1G	1G

**G PLANT GENERA (to be assessed over a 10m wide transect)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg float/linear-leaved										
Filamentous algae										

SITE NO. 6552

**H LAND USE AND VEGETATION (to be assessed over a 10m wide transect)**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ reed vegetation (TH)			Suburban/urban development (SU)		

**I CHANNEL BANKS AND BANKTOP FEATURES**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/steep			Reinforced		E
Vertical + toe			Reinforced - whole bank		
Sloped (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		E
			Set-back bank/cutbanks		

**J TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (2.11%)
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi-continuous			Underwater tree roots		
Continuous			Fallen trees		
			Covers woody debris		

**K CHANNEL BANKTOP VEGETATION (to be assessed over a 10m wide transect)**

Waterfall(s)	None	Percent E	Marginal dead-water	None	Percent E (2.11%)
Cascade(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid channel bar(s)		
Run(s)			Vegetated mid channel bar(s)		
Bank(s)			Mature island(s)		
Slide(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): N2, P1, R1

1996 RIVER HABITAT SURVEY - DIMENSIONS AND DIMENSIONS

**L BANK DIMENSIONS**

LEFT BANK	Banktop width (m)	39.0	RIGHT BANK	
Banktop height (m)	2.50	Water width (m)	25.0	Banktop height (m)
Embanked height (m)	2.50	Water depth (m)	NK	Embanked height (m)

If unstable lower than banktop break in slope, indicate: height (m) = 0, LD width (m) = 28.0

Bed material at site is: consolidated (occupant)  unconsolidated (loose)  Checkdowns

Location of measurement is: riffle  run or glide  other  (tick one box)

**M CHANNEL OBSTRUCTIONS**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 1 Fords = 0  
 Footbridges = 0 Roadbridges = 0 Other = 0  
 Is water impounded by weirs/dams? No  Yes <33% of site  >33% of site

**N CHANNEL OBSTRUCTIONS (to be assessed over a 10m wide transect)**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? Stic

**O CHANNEL OBSTRUCTIONS (to be assessed over a 10m wide transect)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Broad/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Poo  Flush

**P CHANNEL OBSTRUCTIONS (to be assessed over a 10m wide transect)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q CHANNEL OBSTRUCTIONS (to be assessed over a 10m wide transect)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**R CHANNEL OBSTRUCTIONS (to be assessed over a 10m wide transect)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - still - dam - road - rail - industry - housing - mining - quarrying - over-spraying - afforestation - suburban management - siting - other? =

Land Management: set-back - buffer strip - bankland - abandoned land - partition - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Scaevola None  
 Other significant observations: Large American crane - cattle grazing both banks  
Some punching of the base of embankments

Address? None  Present  Extensive  Drowned Address? None  Present  Extensive



BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

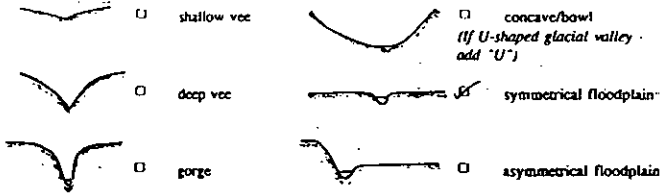
Reference network site number: 6553  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 16273377 River: RISEGATE EA0  
 Date: 10/5/1996 Time: 11:55 Surveyor name: G. COLLECT Accreditation code: 1160

Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles Unvegetated point bars  
 Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. R. DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

TABLE 1 (see JHS) for Riffles Pools Unveg. side bars Veg. point bars

**E. PHYSICAL ATTRIBUTES** (to be assessed across channel within a 1m wide transect) - 10m wide only

Spot check no.	upstream	downstream	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if functional feature												
Material	NY, JO, AS, R, FC, BN, EN	CP, SP, GP, GR, SH, RP, JO										
Bank modification(s)	NY, JO, AS, R, FC, BN, EN	CP, SP, GP, GR, SH, RP, JO										
Bank feature(s)	NY, JO, AS, R, FC, BN, EN	CP, SP, GP, GR, SH, RP, JO										
<b>CHANNEL</b> NEW: material shape codes												
Channel substrate	NY, JO, AS, R, FC, BN, EN	CP, SP, GP, GR, SH, RP, JO										
Substrate shape	FL, OV, EL, SP, CU, PO, DL, Other	CP, SP, GP, GR, SH, RP, JO										
Flow type	FF, CH, SW, UN, CP, RP, UP, SH, RP, JO	CP, SP, GP, GR, SH, RP, JO										
Channel modification(s)	NY, JO, AS, R, FC, BN, EN	CP, SP, GP, GR, SH, RP, JO										
Channel feature(s)	NY, JO, AS, R, FC, BN, EN	CP, SP, GP, GR, SH, RP, JO										
<b>RIGHT BANK</b> TICK if functional feature												
Material	NY, JO, AS, R, FC, BN, EN	CP, SP, GP, GR, SH, RP, JO										
Bank modification(s)	NY, JO, AS, R, FC, BN, EN	CP, SP, GP, GR, SH, RP, JO										
Bank feature(s)	NY, JO, AS, R, FC, BN, EN	CP, SP, GP, GR, SH, RP, JO										
<b>F. BANKTOP LAND USE AND VEGETATION STRUCTURE</b> (to be assessed over a 10m wide transect)												
Land use: choose one from BL, CP, OK, MH, SC, TM, RP, FL, WL, OW, SU, VMLCC												
<b>LAND USE WITHIN 5m OF BANKTOP (L)</b>												
LEFT BANK TOP (structure within 1m)	BL/SC											
LEFT BANK FACE (structure)	BL/SC											
RIGHT BANK FACE (structure)	BL/SC											
RIGHT BANK TOP (structure within 1m)	BL/SC											
<b>LAND USE WITHIN 5m OF BANKTOP (R)</b>												
<b>G. CHANNEL VEGETATION TYPES</b> (10m wide transect) - tick all that apply												
NONE / PLANT GENERA - list first 5												
Bryophytes/lichens / Phragmites												
Emerg broad-leaved herbs / Nymphaea												
Emerg reeds/sedges/rushes												
Floating-leaved (rooted)												
Free-floating												
Amphibious												
Submerged broad-leaved												
Submerged fine/linear-leaved												
Filamentous algae												

FE NO. 6553

**VEGETATION SURVEY**

	L	R		L	R
oak/raised woodland (BL)			Rough pasture (RP)		
coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OK)			Tilled land (TL)	E	E
wetland/scrub (MH)			Wetland (eg bog, marsh, fen) (WL)		
rub (SC)			Open water (OW)		
Herb-rich vegetation (TH)			Suburban/urban development (SU)	E	
<b>CONCRETE</b>					
barrel/modified	L	R	Artificial/modified	L	R
riparian/woodcut			Recoiled	E	E
critical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
side			Reinforced - toe only		
apex			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		
<b>EXISTENT OF TREES AND ASSOCIATED FEATURES</b>					
TREES (tick one box per bank)			ASSOCIATED FEATURES (tick one box per feature)		
None	Left	Right	Shading of channel	None	Percent E (≥ 33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>WATERFALLS AND RAPIDS</b>					
Name	Present	E	None	Present	E (≥ 33%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ran(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Water island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 3 of 4

**CHANNEL DIMENSIONS** (10m wide transect) - tick all that apply

LEFT BANK	Banktop width (m)	20.0	RIGHT BANK	Banktop width (m)	20.0
Banktop height (m)	3.0	Water width (m)	10.0	Banktop height (m)	3.0
Embanked height (m)		Water depth (m)		Embanked height (m)	

If tree/line lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**MULTIPLICITY FACTORS** (tick all that apply)

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges =  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**EVIDENCE OF RECENT MANAGEMENT** (tick appropriate box(es))

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State

**FEATURES OF SPECIAL INTEREST** (tick appropriate box(es))

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fens  Flush

**CHOKED CHANNEL** (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE RUINANCE PLANT SPECIES** (tick appropriate box(es))

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron Bracken

**OVERALL CHARACTERISTICS**

Major impacts: landfill - slipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? =  
 Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - haggfisher - dipper - grey wagtail - sand martin (breed) - dragonfly/damselfly

Other significant observations:

**ALDERS** (tick appropriate box(es))

Alders? None  Present  Extensive  Disused Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing. Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6554  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River:  
 Date: 7.1.1996 Time: 09:30 Surveyor name: G. J. ... Accreditation code: ...

Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (If U-shaped glacial valley, add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles Unvegetated point bars  
 Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (use IFE) for: Riffles Points Unveg side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - in one easily only**

Spot check 1 re upstream  downstream

	1	2	3	4	5	6	7	8	9	10									
LEFT BANK	TICK if functional fence																		
Material	NY	BE	BO	CO	CS	EA	FE	GL	CC	SP	PP	GA	BA	BA	BA	BA	BA	BA	BA
Bank modification(s)	NY, JO, JS, RJ, PC, BA, EM																		
Bank feature(s)	NY, JO, EC, SC, PB, VP, SE, VS																		
CHANNEL	NEW (indicate type of channel)																		
Channel substrate	NY, BE, BO, CO, CS, EA, FE, GL, CC, SP, PP, GA, BA, BA, BA																		
Substrate shape	FL, OV, EL, SP, CU, PO, B, DM, ...																		
Flow type	FF, CH, SW, UN, CF, RP, SH, DA, PD																		
Channel modification(s)	NY, JO, CV, RJ, DA, PD																		
Channel feature(s)	NY, JO, BA, MB, VB, MI, TR																		
RIGHT BANK	TICK if functional fence																		
Material	NY, BE, BO, CO, CS, EA, FE, GL, CC, SP, PP, GA, BA, BA, BA																		
Bank modification(s)	NY, JO, JS, RJ, PC, BA, EM																		
Bank feature(s)	NY, JO, EC, SC, PB, VP, SE, VS																		

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, NH, SC, TH, RP, IG, TL, WC, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) BAUSC

LEFT BANK FACE (structure) BAUSC

RIGHT BANK FACE (structure) BAUSC

RIGHT BANK-TOP (structure within 1m) BAUSC

LAND USE WITHIN 5m OF BANK TOP (R)

**G CHANNEL VEGETATION TYPES (10m wide transect, E (2-33% area) or tick (structure) only)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens  
 Emerging broad-leaved herbs  
 Emerging reeds/sedges/rushes  
 Floating-leaved (rooted)  
 Free-floating  
 Amphibious  
 Submerged broad-leaved  
 Submerged fine/linear-leaved  
 Emergent sedge

6557

SITE NO. 6557

**H CHANNEL VEGETATION TYPES (10m wide transect, E (2-33% area) or tick (structure) only)**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' rank vegetation (TH)			Suburban/urban development (SU)	E	✓

**I PERCENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per band)

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (≥ 33%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-contiguous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Contiguous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Percent E (≥ 33%)
Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): None

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 3 of 4

**J CHANNEL DIMENSIONS (to be measured at end site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	60	RIGHT BANK	
Banktop height (m)	Water width (m)		Banktop height (m)	1.75
Embanked height (m)	Water depth (m)		Embanked height (m)	

If enabling lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  eye or glide  other  (tick one box)

**K PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - in one easily only**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**L EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? Stone

**M FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Loosy debris  Fen  Flush

**N CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**O NOTABLE NUISANCE PLANT SPECIES (tick one box(es))**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  None, Rhododendron bractea

**P OVERALL CHARACTERISTICS (tick appropriate box(es))**

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siltage - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - longfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: SDP ...

**Q ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Decreased Alders? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6555  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: TF 733353 River: WEACHAM

Date: 30.1.1996 Time: 15.00 Surveyor name: G. COLLEY Accreditation code: PF10

Adverse conditions affecting survey? No  Yes  If yes, state

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)

(duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)

Rifles Unvegetated point bars  
 Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAKELAM, BH20 6BB

TALLY (use this for - Rifles Pools Unveg. side bars Veg point bars

B. PHYSICAL ATTRIBUTES (to be assessed across channel width of 1m wide transect)

Spot check 1 in: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material <sup>W, M, S, C, G, A, P, L, C, S, P, W, G, M, R, B, W</sup>	GA	GS	GS	GS	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>NE, NO, SE, SW, NW, EN, DN</sup>	NO	NO	NO	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <sup>W, M, S, C, G, A, P, L, C, S, P, W, G, M, R, B, W</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <sup>W, M, S, C, G, A, P, L, C, S, P, W, G, M, R, B, W</sup>	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape <sup>FL, OV, EL, SP, CI, PO, R, Other - note</sup>	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type <sup>FF, CH, SW, UP, CF, RF, UF, SH, WP, JO</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s) <sup>NE, NO, SE, SW, NW, EN, DN</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <sup>W, M, S, C, G, A, P, L, C, S, P, W, G, M, R, B, W</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OH, MH, SC, TH, SP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	CP	CP	CP	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) <sup>W, M, S, C</sup>	U	U	B	S	S	S	S	S	S	S
LEFT BANK FACE (structure) <sup>W, M, S, C</sup>	B	B	U	S	S	S	S	S	S	U
RIGHT BANK FACE (structure) <sup>W, M, S, C</sup>	S	S	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) <sup>W, M, S, C</sup>	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	IG	TL	TL	TL	TL	TL	TL	TL

G. CHANNEL VEGETATION (to be assessed over a 10m wide transect)

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Froo-floating										
Amphibious										
Submerged broad-leaved										
Submerg float/linear-leaved										
Filamentous algae										

IFE NO. 1996 RIVER HABITAT SURVEY - VEGETATION

	L	R		L	R
modified woodland (BL)	E	✓	Rough pasture (RP)		
uniform plantation (CP)	E		improved/mixed-improved grass (IG)		✓
Orchard (OR)			Tilled land (TL)	E	E
old/bare (OB)			Wetland (eg bog, marsh, fen) (WL)		
sh (SC)			Open water (OW)		
herbs' rank vegetation (TR)			Suburban/urban development (SU)		

ARTIFICIAL FEATURES (tick one box per feature)

None	L	R	Artificial/modified	L	R
dam/embankment	E		Restored	E	E
vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
is			Reinforced - toe only		
potholes			Artificial two-stage		
			Poached		
			Embankment		
			Set-back embankments		

TRILLS (tick one box per bank) ASSOCIATED FEATURES (tick one box per feature)

None	Left	Right	None	Present E (≥ 33%)
Isolated/recessed	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional change	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>

into predominant flow sequence (select up to three features): DRY CHANNEL

1996 RIVER HABITAT SURVEY - DIMENSIONS AND FREQUENCIES

B. CHANNEL DIMENSIONS (m)

LEFT BANK	Banktop width (m)	4.25	RIGHT BANK	
Banktop height (m)	2.0	Water width (m)	-	Banktop height (m)
Embankment height (m)		Water depth (m)	-	Embankment height (m)

If bankline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chalkworks

Location of measurement is: riffle  run or glide  other  (tick one box)

C. ARTIFICIAL FEATURES (tick one box per feature)

None	Number of Culverts =	Weirs =	Overfalls =	Fords =
	Footbridges =	Roadbridges =	Other =	
Is water impounded by weirs/dams?	No <input checked="" type="checkbox"/>	Yes, < 33% of site <input type="checkbox"/>	> 33% of site <input type="checkbox"/>	

D. EVIDENCE OF BANK EROSION MANAGEMENT (tick one box per feature)

None  Dredging  Mowing  Wood-cutting   
 Embankment  Other? State: STRAIGHTENED

E. FEATURES OF SPECIAL INTEREST (tick one box per feature)

None	Waterfalls > 5m high	Artificial open water	Bog	Other (state) .....
	Brick/side channels	Natural open water	Cart	
	Debris dams	Water meadow	Marsh	
	Loose debris	Fens	Flush	

Is 33% or more of the channel choked with vegetation? NO  YES

F. NOTABLE RIBBON PLANTS (tick one box per feature)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (state)  (tick one box per feature)

G. OVERALL CHANNEL STATUS

Major impacts: landfill - tipping - litter - sewage - pollution - (through) obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? =

Land Management: set-back - buffer strip (boundary) abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: DRY CHANNEL

Alders? None  Present  Extensive  Damaged Alders? None  Present  Extensive











1996 RIVER HABITAT SURVEY, with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number 5560  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: 1G226325 River: KINGS BECK  
 Date 9.15.1996 Time: 09.40. Surveyor name G. W. Accreditation code: FF. O.  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (If U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles 3 Unvegetated point bars  
 Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEVE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use Jiff) for Rifles Pools Urocyg side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within 6.1m wide transects) - 1 = one only only**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>	TICK if functional focus									
Material	GA	CA	EA	FA	GA	CA	EA	FA	GA	CA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	NO	NO	NO	NO	SC	NO	NO	NO	NO
<b>CHANNEL</b>	TICK if functional focus									
Channel substrate	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Substrate shape	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>	TICK if functional focus									
Material	EA	CA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	SC	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SU, TH, RP, PL, WL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	CP	OR	MH	SU	TH	RP	PL	WL	OV	SU
LEFT BANK-TOP (structure within 1m)	BL	CP	OR	MH	SU	TH	RP	PL	WL	OV	SU
LEFT BANK FACE (structure)	BL	CP	OR	MH	SU	TH	RP	PL	WL	OV	SU
RIGHT BANK-TOP (structure within 1m)	BL	CP	OR	MH	SU	TH	RP	PL	WL	OV	SU
RIGHT BANK FACE (structure)	BL	CP	OR	MH	SU	TH	RP	PL	WL	OV	SU
LAND USE WITHIN 5m OF BANK TOP (R)	BL	CP	OR	MH	SU	TH	RP	PL	WL	OV	SU

**G CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect) - tick (presence) 500m wide**

NONE	PLANT GENERA - list first 5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/lichens	1 Mistle										
Emerg broad-leaved herbs	1 Alopecurus										
Emerg reeds/sedges/rushes	1 Carex										
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerg fine/linear-leaved											
Filamentous algae											

SITE No. 6560

**1. CHANNEL DIMENSIONS AND CHARACTERISTICS**

Banktop width (m)	6.0	RIGHT BANK	Banktop height (m)	1.0
Water width (m)	1.0	Banktop height (m)	1.0	
Water depth (m)	0.2	Embanked height (m)		

If trapezium lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  no or glide  other  (tick one box)

**2. CHANNEL VEGETATION**

None  Number of Culverts = Weirs = Overfalls = 3 Fords =  
 Footbridges = Roadbridges =  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**3. EVIDENCE OF RECENT CHANNEL MANAGEMENT SINCE 1970 (tick one box)**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State:

**4. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**5. CHANNEL CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**6. NOTABLE NUISANCE PLANT SPECIES (tick one box)**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? (Name) Rhododendron

**7. MAJOR IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silt - other? =  
 Land Management: set aside - buffer strip (woodland) - abandoned land - parkland - MoD - other? =  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations:

**8. ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Decayed Alders? None  Present  Extensive

Indicate predominant flow sequence (select up to three features): G.W. - Riffle

1996 RIVER HABITAT SURVEY: DIMENSIONS AND CHARACTERISTICS

**1. CHANNEL DIMENSIONS AND CHARACTERISTICS**

Banktop width (m)	6.0	RIGHT BANK	Banktop height (m)	1.0
Water width (m)	1.0	Banktop height (m)	1.0	
Water depth (m)	0.2	Embanked height (m)		

If trapezium lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  no or glide  other  (tick one box)

**2. CHANNEL VEGETATION**

None  Number of Culverts = Weirs = Overfalls = 3 Fords =  
 Footbridges = Roadbridges =  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**3. EVIDENCE OF RECENT CHANNEL MANAGEMENT SINCE 1970 (tick one box)**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State:

**4. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**5. CHANNEL CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**6. NOTABLE NUISANCE PLANT SPECIES (tick one box)**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? (Name) Rhododendron

**7. MAJOR IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silt - other? =  
 Land Management: set aside - buffer strip (woodland) - abandoned land - parkland - MoD - other? =  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations:

**8. ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Decayed Alders? None  Present  Extensive

### BACKGROUND MAP-BASED INFORMATION

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

### FIELD SURVEY DETAILS

Reference network site number: 6561  
 Mid-site grid reference of network site if differs from designated location: \_\_\_\_\_

Grid Reference: SH 614286 River: ARTRO  
 Date: 21/5/1996 Time: 08:45 Surveyor name: NGRIEVE Accreditation code: PF12

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

### PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

### DISTRIBUTION OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 13 Unvegetated point bars \_\_\_\_\_  
 Pools 6 Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BH20 6BB

### TALLY (use shifts for Riffles Pools Unveg. side bars Veg point bars)

### B. PHYSICAL ATTRIBUTES (to be accessed across channel within 0.1m wide transects) = one only only

Spot check 1 is upstream	downstream	1	2	3	4	5	6	7	8	9	10
Material <u>NY NO CO CS EA PE CL CC SP WP CA BA BR BW</u>		SA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NY NO RL AL PC BA BR BW</u>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>NY NO EC SC PB VP SB VS</u>		EC	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <u>NY NO CO CS EA PE CL CC SP WP CA BA BR BW</u>		SP	NO	NO	NO	NO	NO	NO	NO	NO	NO
Substrate shape <u>FL OV EL SP CU PO DL DM</u>		CU	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type <u>FT CH SW WH CF RP UF SP SH RP NO</u>		CH	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s) <u>NY NO RL AL PC BA BR BW</u>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>NY NO EC SC PB VP SB VS</u>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### RIGHT BANK TICK (if functional feature)

Material NY NO CO CS EA PE CL CC SP WP CA BA BR BW \_\_\_\_\_  
 Bank modification(s) NY NO RL AL PC BA BR BW \_\_\_\_\_  
 Bank feature(s) NY NO EC SC PB VP SB VS \_\_\_\_\_

### F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be accessed once a 10m wide transect)

Land use: choose one from AF, CP, DM, NH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP (structure within 1m) <u>BA/UC</u>										
LEFT BANK FACE (structure) <u>BA/UC</u>										
RIGHT BANK FACE (structure) <u>BA/UC</u>										
RIGHT BANK TOP (structure within 1m) <u>BA/UC</u>										

LAND USE WITHIN 5m OF BANK TOP (R) \_\_\_\_\_

### G. CHANNEL VEGETATION TYPES (tick one box)

NONE / PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reed/sedge/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

### LAND USE AND VEGETATION (tick one box per cell)

	L	R		L	R
Arable/unimproved woodland (BL)			Rough pasture (RP)		
Arable/plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MR)			Wetland (eg bog, marsh, fen) (WL)		
Urban (UC)			Open water (OW)		
Herbs/semi-vegetation (TH)			Suburban/urban development (SU)		

### ARTIFICIAL/STRUCTURAL FEATURES (tick one box per cell)

	L	R	Artificial/modified	L	R
Scal/unmodified			Reinforced		
Scal/undercut			Reinforced - whole bank		
Scal + toe			Reinforced - top only		
Slope (>45°)			Reinforced - toe only		
Spill			Artificial two-stage		
Spill			Poached		
Spill			Embanked		
Spill			Struct embankments		

### SUBJECT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2.33%)
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

### WATERBODIES AND ASSOCIATED FEATURES

Waterbody(s)	None	Present E (2.33%)	Marginal deadwater	None	Present E (2.33%)
Canal(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid channel bar(s)		
Rune(s)			Vegetated mid channel bar(s)		
Scal(s)			Mature island(s)		
Slid(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

ate predominant flow sequence (select up to three features): RIFLE POOL

### EXCHANGED DIMENSIONS (to be accessed across channel within 0.1m wide transects)

LEFT BANK	Banktop width (m)	6.5	RIGHT BANK	Banktop width (m)
Banktop height (m)	0.8	Water width (m)	5.9	Banktop height (m)
Embanked height (m)		Water depth (m)	0.2	Embanked height (m)

If bankline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown   
 Location of measurement is: riffle  run or glide  other  (tick one box)

### EXCHANGED FEATURES (to be accessed across channel within 0.1m wide transects)

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

### EXCHANGED OPERATIONS (to be accessed across channel within 0.1m wide transects)

None  Dredging  Moving  Wood-cutting   
 Enhancement  Other? State \_\_\_\_\_

### EXCHANGED OPERATIONS (to be accessed across channel within 0.1m wide transects)

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braded/side channels  Natural open water  Carr  SICK WATER SIDE CHANNELS  
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pea  Flush

### EXCHANGED OPERATIONS (to be accessed across channel within 0.1m wide transects)

Is 33% or more of the channel choked with vegetation? NO  YES

### EXCHANGED OPERATIONS (to be accessed across channel within 0.1m wide transects)

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

### EXCHANGED OPERATIONS (to be accessed across channel within 0.1m wide transects)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - playing - quarrying - overgrazing - afforestation - fisheries management - mining - other? = \_\_\_\_\_  
 Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Other significant observations: Bank erosion, tree loss, algal bloom with vegetation, siltation, weed / backwater, good water quality

Allen? None  Present  Extensive  Disturbed Allen? None  Present  Extensive

+ Also dead elms.



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary ? Navigation ?  
 Height of source (m) Water Quality Class

**B SURVEY DETAILS**

Reference network site number: 6563  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SH 807 217 River: WNIDN  
 Date 21/5/1996 Time: 19:00 Surveyor name: W. RIEVE Accreditation code: PF 12  
 Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bod of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 8 Unvegetated point bars   
 Pools 3 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 4

FAIRLY (use IFE) for Riffles 1 Pools 1 Unveg. point bars 2 Veg point bars 1

**A PHYSICAL ATTRIBUTES (to be assessed across channel within 10m wide transect) = one entry only**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
RIGHT BANK										
Channel substrate										
Substrate shape										
New type										
Channel modifications(s)										
Channel feature(s)										
RIGHT BANK										
Channel substrate										
Substrate shape										
New type										
Channel modifications(s)										
Channel feature(s)										

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RL, CP, OH, WH, SE, FI, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP (structure within 1m)										
LEFT BANK FACE (structure)										
RIGHT BANK FACE (structure)										
RIGHT BANK TOP (structure within 1m)										
LAND USE WITHIN 5m OF BANK TOP (R)										

**G CHANNEL VEGETATION (tick one box only)**

NONE  PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedge/rushes										
Flowering leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerged fine/linear-leaved										
Filamentous algae										

E NO. 6563 RIVER HABITAT SURVEY 2000'S SWAMP

**A CHANNEL DIMENSIONS AND INFLUENCES (to be filled in for all transects)**

LEFT BANK	Banktop width (m)	<u>17.6</u>	RIGHT BANK	Banktop height (m)	<u>1.3</u>
Banktop height (m)	<u>1.3</u>	Water width (m)	<u>11.6</u>	Banktop height (m)	<u>1.3</u>
Embanked height (m)	<u>1.3</u>	Water depth (m)	<u>0.25</u>	Embanked height (m)	<u>1.3</u>

If tradeline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  bankdown   
 Location of measurement is: riffle  run or glide  other  (tick one box)

**B CHANNEL VEGETATION (to be filled in for all transects)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Ponds = \_\_\_\_\_  
 Roadbridges = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State \_\_\_\_\_

**C OPERATIONAL SPECIAL INTERESTS (to be filled in for all transects)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fea  Flush

**D CHANNEL VEGETATION (to be filled in for all transects)**

Is 33% or more of the channel choked with vegetation? NO  YES

**E CHANNEL VEGETATION (to be filled in for all transects)**

None  Great Hogweed  Himalaya Balsam  Japanese Knotweed  Other? Name Rhododendron bracken

**F CHANNEL VEGETATION (to be filled in for all transects)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - silting - other? = \_\_\_\_\_  
 Land Management: set-aside - buffer strip - headland - abandoned land - partland - MoD - other? = \_\_\_\_\_  
 Animals: other - mink - water vole - langfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Other significant observations: reed bed above v site

**G CHANNEL VEGETATION (to be filled in for all transects)**

None  Present  Extensive  Diseased Alders? None  Present  Extensive

**H CHANNEL VEGETATION (to be filled in for all transects)**

Trees (tick one box per bank)

	Left	Right	Associated Features (tick one box per feature)	None	Present E (>2.1%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scam continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

Artificial/modified

	L	R	Artificial/modified	L	R
Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input type="checkbox"/>	<input type="checkbox"/>
Reinforced - toe bank	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - toe bank	<input type="checkbox"/>	<input type="checkbox"/>
Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
Poached	<input type="checkbox"/>	<input type="checkbox"/>	Poached	<input type="checkbox"/>	<input type="checkbox"/>
Embanked	<input type="checkbox"/>	<input type="checkbox"/>	Embanked	<input type="checkbox"/>	<input type="checkbox"/>
Set back embankments	<input type="checkbox"/>	<input type="checkbox"/>	Set back embankments	<input type="checkbox"/>	<input type="checkbox"/>

Associated Features (tick one box per feature)

	None	Present E (>2.1%)
Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Waterfall(s)  Present  E   
 Cascade(s)  Present  E   
 Rapid(s)  Present  E   
 Riffle(s)  Present  E   
 Run(s)  Present  E   
 Boulder(s)  Present  E   
 Obstacle(s)  Present  E   
 Pool(s)  Present  E

its predominant flow sequence (select up to three features): RAPID, RIFFLE, POOL

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 2 of 4

**A CHANNEL DIMENSIONS AND INFLUENCES (to be filled in for all transects)**

LEFT BANK	Banktop width (m)	<u>17.6</u>	RIGHT BANK	Banktop height (m)	<u>1.3</u>
Banktop height (m)	<u>1.3</u>	Water width (m)	<u>11.6</u>	Banktop height (m)	<u>1.3</u>
Embanked height (m)	<u>1.3</u>	Water depth (m)	<u>0.25</u>	Embanked height (m)	<u>1.3</u>

If tradeline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  bankdown   
 Location of measurement is: riffle  run or glide  other  (tick one box)

**B CHANNEL VEGETATION (to be filled in for all transects)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Ponds = \_\_\_\_\_  
 Roadbridges = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State \_\_\_\_\_

**C OPERATIONAL SPECIAL INTERESTS (to be filled in for all transects)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fea  Flush

**D CHANNEL VEGETATION (to be filled in for all transects)**

Is 33% or more of the channel choked with vegetation? NO  YES

**E CHANNEL VEGETATION (to be filled in for all transects)**

None  Great Hogweed  Himalaya Balsam  Japanese Knotweed  Other? Name Rhododendron bracken

**F CHANNEL VEGETATION (to be filled in for all transects)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - silting - other? = \_\_\_\_\_  
 Land Management: set-aside - buffer strip - headland - abandoned land - partland - MoD - other? = \_\_\_\_\_  
 Animals: other - mink - water vole - langfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Other significant observations: reed bed above v site

**G CHANNEL VEGETATION (to be filled in for all transects)**

None  Present  Extensive  Diseased Alders? None  Present  Extensive

**1996 RIVER HABITAT SURVEY** with IFE mods for plant genera and faencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Soil geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6571  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 634205 River: TEW  
 Date: 15/5/1996 Time: 12:20 Surveyor name: Lambert Accreditation code: PF36

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS** Page 2 of 4

Fully (use JHT) for Riffles Pools Unveg. side bars Veg. point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only**

Spot check 1 to 10 upstream / downstream

LEFT BANK	TICK if functional feature	1	2	3	4	5	6	7	8	9	10
Material	EA EA EA EA EA EA EA EA EA EA EA										
Bank modification(s)	RS RS RS RS RS RS RS RS RS RS RS										
Bank feature(s)	NO NO NO NO NO NO NO NO NO NO NO										
CHANNEL: INEV	UPPER CHANNEL ELONGATED CHANNEL CHANNEL POOL CHANNEL CHANNEL CHANNEL CHANNEL CHANNEL CHANNEL CHANNEL										
Channel substrate	NV NV NV GP SA SA NV GP RE NV										
Substrate shape	FL OV EL SP CU PO IR, Other: none										
Flow type	SM SM SM SM SM SM SM SM SM SM SM										
Channel modification(s)	NO NO NO NO NO NO NO NO NO NO NO										
Channel feature(s)	NO NO NO NO NO NO NO NO NO NO NO										
RIGHT BANK	TICK if functional feature										
Material	EA EA EA EA EA EA EA EA EA EA EA										
Bank modification(s)	RS RS RS RS RS RS RS RS RS RS RS										
Bank feature(s)	NO NO NO NO NO NO NO NO NO NO NO										

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TL, RP, AG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) BRUSC	S	S	C	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BRUSC	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BRUSC	S	S	C	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BRUSC	S	S	S	S	S	S	S	S	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	SC	SC	SC	SC

**G CHANNEL VEGETATION TYPES (tick one box or tick (percentage) area)**

NONE / PLANT GENERA - last first S

Bryophytes/lichens											
Emerg broad-leaved herbs											
Emerg reeds/sedge/rushes											
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine/linear-leaved											
Pinnaceous algae											

**SITE NO. 6571 RIVER HABITAT SURVEY**

**H CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	15.0	RIGHT BANK
Banktop height (m)	2.0	Water width (m)	7.0
Embanked height (m)		Water depth (m)	0.7
		Embanked height (m)	1.75

If tree/line lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**I CHANNEL VEGETATION**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges =  
 Is water impounded by weir/dam? No  Yes < 33% of site  > 33% of site

**J EVIDENCE OF BEST MANAGEMENT PRACTICES (tick one box)**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? Stile

**K FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**L CHANNEL CHANGES**

Is 33% or more of the channel choked with vegetation? NO  YES

**M CHANNEL VEGETATION STANDARDS (tick one box)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**N RIVER VEGETATION STANDARDS**

Major impacts: headfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? = \_\_\_\_\_  
 Land Management: set aside - buffer strip - headland - abandoned land - partland MoD - other? = \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Other significant observations: Area stand of Phragmites at d/s end

**O CHANNEL VEGETATION STANDARDS**

Alders? None  Present  Extensive  Decayed Alders? None  Present  Extensive

Indicate predominant flow sequence (select up to three features): GLIDE

**P NATURAL VEGETATION AND ASSOCIATED FEATURES**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Step (> 45°)			Reinforced - top only		
Geotextile			Reinforced - toe only		
Composite			Artificial two-stage		
			Punched		
			Embanked		
			Set-back embankments		

**Q TREES (tick one box per bank)**

None	Left	Right	Associated Features (tick one box per feature)
Isolated/scattered			Shading of channel
Regularly spaced, single			Overhanging boughs
Occasional clumps			Exposed bankside roots
Semi-continuous			Underwater tree roots
Continuous			Fallen trees
			Canopy woody debris

**R ASSOCIATED FEATURES (tick one box per feature)**

None	Present E (2.33%)
Marginal dead-water	
Exposed bedrock	
Exposed boulders	
Unvegetated mid channel bar(s)	
Vegetated mid channel bar(s)	
Mature island(s)	
Unvegetated side bar(s)	
Vegetated side bar(s)	

**S CHANNEL VEGETATION STANDARDS**

None	Present E (2.33%)
Waterfall(s)	
Cascade(s)	
Rapid(s)	
Riffle(s)	
Run(s)	
Boil(s)	
Obd(s)	
Pool(s)	



BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6572  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: H9227 River: lowco brook  
 Date: 15/5/1996 Time: 8:35 Surveyor name: km Accreditation code: PF36

Adverse conditions affecting survey? No  Yes  If yes, state

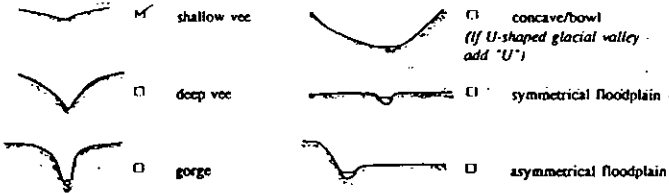
Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)

and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIPPLES, POOLS AND POINT BARS (indicate total number)

Ripples 1 Unvegetated point bars   
 Pools 3 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

FALLY (see list) for: Ripples Pools Unveg side bars Veg point bars

H PHYSICAL ATTRIBUTES (to be assessed across channel within 2' m wide transects) = one entry only

Spot check 1 (upstream/downstream)	1	2	3	4	5	6	7	8	9	10
LEFT BANK: TICK if (functional) feature										
Material (W, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL: NEW (shaded) or MODIFIED (unshaded) or OTHER (unshaded)										
Channel substrate (W, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	GP	SI	SI	GP	SI	SI	GP	SI	SI	GP
Substrate type (L, O, V, S, P, C, U, D, R, D, M, N, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)										
Flow type (F, C, H, B, W, U, V, C, R, P, U, P, S, H, A, P, M, O)	SM	SM	SM	SM	SM	NP	RP	SM	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: TICK if (functional) feature										
Material (W, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

I BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from (L, C, P, O, H, M, S, T, R, A, P, N, T, W, L, O, W, S, T)

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	SC	IG	IG	IG	SC
LEFT BANK TOP (structure within 1m) BA/VC	S	S	U	S	U	S	S	S	C	S
LEFT BANK FACE (structure) BA/VC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BA/VC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BA/VC	S	S	S	S	S	S	C	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	SC	TL	TL	TL

J CHANNEL VEGETATION TYPES (10m wide transect, 100m x 100m) or tick (present) 300m catchment

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs		/	/	/	/	/	/	/	/	/
Emerg reeds/wedges/rushes		/	/	/	/	/	/	/	/	/
Floating leaves (rooted)										
Free-floating										
Amphibious					/	/	/	/	/	/
Summer god broad-leaved										
Submerg fine/medium-leaved	/	/	/	/	/	/	/	/	/	/
Filamentous algae										

K CHANNEL VEGETATION TYPES (10m wide transect, 100m x 100m) or tick (present) 300m catchment

NONE										
Bryophytes/lichens										
Emerg broad-leaved herbs		/	/	/	/	/	/	/	/	/
Emerg reeds/wedges/rushes		/	/	/	/	/	/	/	/	/
Floating leaves (rooted)										
Free-floating										
Amphibious					/	/	/	/	/	/
Summer god broad-leaved										
Submerg fine/medium-leaved	/	/	/	/	/	/	/	/	/	/
Filamentous algae										

L TREES (tick one box per bank)

None	Left	Right	None	Present E (≥ 33%)
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Scrub continuous	<input type="checkbox"/>	<input type="checkbox"/>	Under-water tree roots	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Coarse woody debris	<input checked="" type="checkbox"/>

M ASSOCIATED FEATURES (tick one box per feature)

None	Present E (≥ 33%)
Marginal downwater	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>

N STATE PREDOMINANT FLOW SEQUENCE (select up to three features): GLIDE RUN

O CHANNEL DIMENSIONS

LEFT BANK	Backstop width (m)	<u>3.5</u>	RIGHT BANK	
Backstop height (m)	Water width (m)	<u>1.8</u>	Backstop height (m)	<u>1.1</u>
Embankment height (m)	Water depth (m)	<u>0.1</u>	Embankment height (m)	

(If trushline lower than backstop break in slope, indicate: height (m) = width (m) =)

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

P CHANNEL VEGETATION TYPES (10m wide transect, 100m x 100m) or tick (present) 300m catchment

None  Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =  
 Footbridges = No  Yes, < 33% of site  > 33% of site   
 Other = No structure (see table)

Q CHANNEL VEGETATION TYPES (10m wide transect, 100m x 100m) or tick (present) 300m catchment

None  Dredging  Moving  Wood-cutting   
 Embankment  Other? State

R FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None	<input checked="" type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Bog	<input type="checkbox"/>	Other (state)
Waterfalls > 5m high	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Curt	<input type="checkbox"/>	
Bridled/side channels	<input type="checkbox"/>	Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>	
Debris dams	<input type="checkbox"/>	Fen	<input type="checkbox"/>	Flush	<input type="checkbox"/>	

S CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

T CHANNEL VEGETATION TYPES (10m wide transect, 100m x 100m) or tick (present) 300m catchment

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron bracken

U OVERALL CHANNEL ATTRIBUTES

Major impacts: landfill - slipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - siltation - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations: Large water abstracting works with assembly works for a temporary fence. 2nd pool contained several objects s.b. in (1st) (thru)

V ALDERS (tick appropriate box(es))

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

**1996 RIVER HABITAT SURVEY (with IFE) - MODS FOR PLANT SPECIES AND FLOWING** Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6575  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 047271 River: Blithe  
 Date: 21.5.1996 Time: 11.50 Surveyor name: Lawthorn Accreditation code: PF36

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS**

Rifles 6 Unvegetated point bars 1  
 Pools 3 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY - TENSILE CHECKS** Page 2 of 2

FULLY (use IFE for Riffles IN) Pools II' (use IFE for) (use IFE for) Veg point bars I'

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transect) - in one only**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material <input checked="" type="checkbox"/> BE <input type="checkbox"/> CO <input type="checkbox"/> CL <input type="checkbox"/> CR <input type="checkbox"/> CS <input type="checkbox"/> CU <input type="checkbox"/> G <input type="checkbox"/> GR <input type="checkbox"/> L <input type="checkbox"/> LL <input type="checkbox"/> M <input type="checkbox"/> ML <input type="checkbox"/> N <input type="checkbox"/> NL <input type="checkbox"/> O <input type="checkbox"/> OL <input type="checkbox"/> P <input type="checkbox"/> PL <input type="checkbox"/> R <input type="checkbox"/> RL <input type="checkbox"/> S <input type="checkbox"/> SL <input type="checkbox"/> T <input type="checkbox"/> TL <input type="checkbox"/> U <input type="checkbox"/> UL <input type="checkbox"/> V <input type="checkbox"/> VL <input type="checkbox"/> W <input type="checkbox"/> WL <input type="checkbox"/> X <input type="checkbox"/> XL <input type="checkbox"/> Y <input type="checkbox"/> YL <input type="checkbox"/> Z <input type="checkbox"/> ZL	EA	EA	EA	RR	EA	EA	RR	EA	EA	EA
Bank modification(s) <input checked="" type="checkbox"/> BE <input type="checkbox"/> CO <input type="checkbox"/> CL <input type="checkbox"/> CR <input type="checkbox"/> CS <input type="checkbox"/> CU <input type="checkbox"/> G <input type="checkbox"/> GR <input type="checkbox"/> L <input type="checkbox"/> LL <input type="checkbox"/> M <input type="checkbox"/> ML <input type="checkbox"/> N <input type="checkbox"/> NL <input type="checkbox"/> O <input type="checkbox"/> OL <input type="checkbox"/> P <input type="checkbox"/> PL <input type="checkbox"/> R <input type="checkbox"/> RL <input type="checkbox"/> S <input type="checkbox"/> SL <input type="checkbox"/> T <input type="checkbox"/> TL <input type="checkbox"/> U <input type="checkbox"/> UL <input type="checkbox"/> V <input type="checkbox"/> VL <input type="checkbox"/> W <input type="checkbox"/> WL <input type="checkbox"/> X <input type="checkbox"/> XL <input type="checkbox"/> Y <input type="checkbox"/> YL <input type="checkbox"/> Z <input type="checkbox"/> ZL	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <input checked="" type="checkbox"/> BE <input type="checkbox"/> CO <input type="checkbox"/> CL <input type="checkbox"/> CR <input type="checkbox"/> CS <input type="checkbox"/> CU <input type="checkbox"/> G <input type="checkbox"/> GR <input type="checkbox"/> L <input type="checkbox"/> LL <input type="checkbox"/> M <input type="checkbox"/> ML <input type="checkbox"/> N <input type="checkbox"/> NL <input type="checkbox"/> O <input type="checkbox"/> OL <input type="checkbox"/> P <input type="checkbox"/> PL <input type="checkbox"/> R <input type="checkbox"/> RL <input type="checkbox"/> S <input type="checkbox"/> SL <input type="checkbox"/> T <input type="checkbox"/> TL <input type="checkbox"/> U <input type="checkbox"/> UL <input type="checkbox"/> V <input type="checkbox"/> VL <input type="checkbox"/> W <input type="checkbox"/> WL <input type="checkbox"/> X <input type="checkbox"/> XL <input type="checkbox"/> Y <input type="checkbox"/> YL <input type="checkbox"/> Z <input type="checkbox"/> ZL	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>										
Material <input checked="" type="checkbox"/> BE <input type="checkbox"/> CO <input type="checkbox"/> CL <input type="checkbox"/> CR <input type="checkbox"/> CS <input type="checkbox"/> CU <input type="checkbox"/> G <input type="checkbox"/> GR <input type="checkbox"/> L <input type="checkbox"/> LL <input type="checkbox"/> M <input type="checkbox"/> ML <input type="checkbox"/> N <input type="checkbox"/> NL <input type="checkbox"/> O <input type="checkbox"/> OL <input type="checkbox"/> P <input type="checkbox"/> PL <input type="checkbox"/> R <input type="checkbox"/> RL <input type="checkbox"/> S <input type="checkbox"/> SL <input type="checkbox"/> T <input type="checkbox"/> TL <input type="checkbox"/> U <input type="checkbox"/> UL <input type="checkbox"/> V <input type="checkbox"/> VL <input type="checkbox"/> W <input type="checkbox"/> WL <input type="checkbox"/> X <input type="checkbox"/> XL <input type="checkbox"/> Y <input type="checkbox"/> YL <input type="checkbox"/> Z <input type="checkbox"/> ZL	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input checked="" type="checkbox"/> BE <input type="checkbox"/> CO <input type="checkbox"/> CL <input type="checkbox"/> CR <input type="checkbox"/> CS <input type="checkbox"/> CU <input type="checkbox"/> G <input type="checkbox"/> GR <input type="checkbox"/> L <input type="checkbox"/> LL <input type="checkbox"/> M <input type="checkbox"/> ML <input type="checkbox"/> N <input type="checkbox"/> NL <input type="checkbox"/> O <input type="checkbox"/> OL <input type="checkbox"/> P <input type="checkbox"/> PL <input type="checkbox"/> R <input type="checkbox"/> RL <input type="checkbox"/> S <input type="checkbox"/> SL <input type="checkbox"/> T <input type="checkbox"/> TL <input type="checkbox"/> U <input type="checkbox"/> UL <input type="checkbox"/> V <input type="checkbox"/> VL <input type="checkbox"/> W <input type="checkbox"/> WL <input type="checkbox"/> X <input type="checkbox"/> XL <input type="checkbox"/> Y <input type="checkbox"/> YL <input type="checkbox"/> Z <input type="checkbox"/> ZL	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <input checked="" type="checkbox"/> BE <input type="checkbox"/> CO <input type="checkbox"/> CL <input type="checkbox"/> CR <input type="checkbox"/> CS <input type="checkbox"/> CU <input type="checkbox"/> G <input type="checkbox"/> GR <input type="checkbox"/> L <input type="checkbox"/> LL <input type="checkbox"/> M <input type="checkbox"/> ML <input type="checkbox"/> N <input type="checkbox"/> NL <input type="checkbox"/> O <input type="checkbox"/> OL <input type="checkbox"/> P <input type="checkbox"/> PL <input type="checkbox"/> R <input type="checkbox"/> RL <input type="checkbox"/> S <input type="checkbox"/> SL <input type="checkbox"/> T <input type="checkbox"/> TL <input type="checkbox"/> U <input type="checkbox"/> UL <input type="checkbox"/> V <input type="checkbox"/> VL <input type="checkbox"/> W <input type="checkbox"/> WL <input type="checkbox"/> X <input type="checkbox"/> XL <input type="checkbox"/> Y <input type="checkbox"/> YL <input type="checkbox"/> Z <input type="checkbox"/> ZL	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use, choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	SC	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) BASIC	U	S	S	S	S	U	S	S	S	S
LEFT BANK FACE (structure) BASIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BASIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BASIC	S	S	U	U	S	U	U	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

**G. PLANT GENERA (list first 5)**

NONE										
Bryophytes/lichens										
Emergent broad-leaved herbs	/	/	/	/	/	/	/	/	/	/
Emergent roots/sedges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious	/	/	/	/	/	/	/	/	/	/
Submerged broad-leaved										
Submerged fine-linear-leaved	/	/	/	/	/	/	/	/	/	/
Filamentous algae	/	/	/	/	/	/	/	/	/	/

**SITE NO.**

	L	R		L	R
Broad/maised woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	/		Open water (OW)		
Tall herbs' sward vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/UNMODIFIED** L R **ARTIFICIAL/MODIFIED** L R

Vertical/undisturbed	/	/	Reinforced	E	E
Vertical + toe	/	/	Reinforced - whole bank	/	/
Slope (>45°)	/	/	Reinforced - top only	/	/
Grade	/	/	Reinforced - toe only	/	/
Composite	/	/	Artificial two-stage	/	/
			Poached	/	/
			Embanked	/	/
			Set-back embankments	/	/

**TREES (tick one box per bank)**

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	<input type="checkbox"/>	<input type="checkbox"/>	None	<input type="checkbox"/>	<input type="checkbox"/>
Present E (≥33%)	<input type="checkbox"/>	<input type="checkbox"/>	Present E (≥33%)	<input type="checkbox"/>	<input type="checkbox"/>
Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>			

Indicate predominant flow sequence (select up to three features): GLIDE-RIFPLE

**1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES**

**I. CHANNEL DIMENSIONS (to be assessed across channel at a representative section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	8.0	RIGHT BANK	
Banktop height (m)	Water width (m)	4.5	Banktop height (m)	1.0
Embankment height (m)	Water depth (m)	0.1	Embankment height (m)	

If trachee lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**II. CHANNEL VEGETATION**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**III. CHANNEL MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**IV. FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**V. CHANNEL VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

**VI. CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bractea

**VII. CHANNEL VEGETATION**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MOD - other? = \_\_\_\_\_

Animals: otter - mist - water vole - bagfisher - dipper - grey wagtail - mud mussel - heron - dragonflies/damselflies

Other significant observations: \_\_\_\_\_

**VIII. CHANNEL VEGETATION**

Address? None  Present  Extensive  Disused Address? None  Present  Extensive

1996 RIVER HABITAT SURVEY WITH DIMENSIONS AND VEGETATION Page 1 of 4

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6576  
 Mid-site grid reference of network site if differs from designated location:

Grid Reference: 134232 River: Elan brook  
 Date: 21.5.1996 Time: 1 PM... Surveyor name: Ian Harris Accreditation code: PF36

Adverse conditions affecting survey? No  Yes  If yes, state

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**VEGETATION AND POINTS**

Rifles 12 Unvegetated point bars 9  
 Pools 7 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims to  
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY WITH SPOT CHECKS Page 2 of 4

**PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transects)**

Spot check 1 is upstream 1 downstream

Left Bank	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	RS	NO	NO	RS	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	PB	NO	NO	NO	NO	NO
Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	FL	OV	EL	SP	CU	PO	DL	Other	None	None
Plan type	UW	NP	NP	UW	UW	NP	SM	RP	RP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	TICK if functional feature									
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	RS	NO	NO	NO
Bank feature(s)	SB	NO	NO	NO	NO	NO	NO	PB	PB	EC

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CF, OH, MH, SC, TH, RP, FG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) BAUSC	S	S	S	S	S	C	S	C	C	U
LEFT BANK FACE (structure) BAUSC	C	S	S	B	C	S	S	C	S	S
RIGHT BANK FACE (structure) BAUSC	S	S	S	C	C	S	S	C	S	C
RIGHT BANK TOP (structure within 1m) BAUSC	S	S	U	S	S	S	S	C	S	C
LAND USE WITHIN 5m OF BANKTOP (R)	IG	IG	IG	IG	IG	SU	IG	IG	IG	IG

**VEGETATION**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedge/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged filamentous-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY WITH DIMENSIONS AND VEGETATION Page 3 of 4

**VEGETATION AND POINTS**

Grassland/mixed woodland (BL)							
Coarse plantation (CP)							E
Orchard (OR)							
Moorland/heath (MH)							
Wetland (eg bog, marsh, fen) (WL)							
Open water (OW)							
Suburban/urban development (SU)							

**ARTIFICIAL/MODIFIED BANKS**

Natural/unmodified	L	R	Artificial/modified	L	R
Reinforced			Reinforced		
Reinforced - whole bank			Reinforced - top only		
Reinforced - toe only			Artificial two-stage		
Poached			Embankment		
Set-back embankments					

**TREES (tick one box per bank)**

None	Left	Right	Shading of channel	None	Present E (2.33%)
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Scattered continuous			Fallen trees		
Continuous			Course woody debris		

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Present E (2.33%)	Marginal deadwater	None	Present E (2.33%)
Cascade(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid channel bar(s)		
Rund(s)			Vegetated mid channel bar(s)		
Bank(s)			Mature island(s)		
Island(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Site predominant flow sequence (select up to three features): RIFLE - GRAVE POOL

1996 RIVER HABITAT SURVEY WITH DIMENSIONS AND VEGETATION Page 4 of 4

**VEGETATION AND POINTS**

Banktop width (m)	4.0	RIGHT BANK	
Banktop height (m)	0.6	Water width (m)	3.0
Embankment height (m)		Water depth (m)	0.2
Embankment height (m)		Embankment height (m)	

If bankline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**VEGETATION MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State

**OPERATION OF CHANNELS**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Broad/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fca  Flood

**CHOKED CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES

**NON-NATIVE VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name: Rhododendron fraxinifolius

**MAJOR IMPACTS**

landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-deepening - afforestation - fisheries management - siltation - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

Alders? None  Present  Extensive  Damaged Alders? None  Present  Extensive





1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6585  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: TF037276 River: EAST GLEN RIVER  
 Date: 19.5.1996 Time: 1.25 Surveyor name: P. HANNAE Accreditation code: R  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 0 Unvegetated point bars 1  
 Pools 1 Vegetated point bars 2

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6SB

1996 RIVER HABITAT SURVEY WITH SPOT CHECKS Page 2 of 4

TABLE (see Bff) for Riffles Pools Using tick box Veg point bars (1)

**E PHYSICAL ATTRIBUTES (to be assessed across channel within 10m wide transects) = one transect only**

Spot check 1 is upstream downstream (1)

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> (if functional)										
Material (V, W, B, CO, CE, LA, PE, CL, CC, SP, UP, CA, BR, BR, BR)	CL	U	U	U	U	U	U	U	U	U
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	11	11	NO	NO	11	11	NO	11	11
<b>RIGHT BANK</b> (if functional)										
Material (V, W, B, CO, CE, LA, PE, CL, CC, SP, UP, CA, BR, BR, BR)	CL	U	U	U	U	U	U	U	U	U
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	11	11	11	NO	NO	11	11	11	11

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OH, MH, SC, PH, RP, AG, FL, WL, OR, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1G	1F	1G	1F	1G	1F	1G	1F	1G	1F
LEFT BANK TOP (structure within 1m) BUI/SC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BUI/SC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BUI/SC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) BUI/SC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL

**G CHANNEL VEGETATION TYPES (tick one box only)**

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/rag/crushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/woody-leaved										
Filamentous algae										

SITE NO. 6585

	L	R		L	R
Broad/leaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/semi vegetation (TH)			Suburban/urban development (SU)		

Natural/semi-natural	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**H PLANT GENERA AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>33%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/hemmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Waterfall(s)	None	Present E	Marginal downwater	None	Present E (>33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature ubad(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): 3, 1, 2

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFERRENCES Page 2 of 4

**I CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	7.50	RIGHT BANK	Banktop width (m)	7.50
Banktop height (m)	1.10		Water width (m)	2.50	
Embankment height (m)			Water depth (m)	0.40	
			Embankment height (m)	1.50	

If bankline lower than banktop break in slope, indicate: height (m) = 0.70 width(m) = 3.0

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**J CHANNEL VEGETATION**

None  Number of Culverts = Footbridges = Weirs = Outfalls = Fords =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**K CHANNEL MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? State:

**L CHANNEL OBSTRUCTIONS**

None	Waterfalls > 5m high	Artificial open water	Bog	Other (state)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Braided/side channels	<input type="checkbox"/>	Natural open water	Carr	<input type="checkbox"/>
Debris dams	<input type="checkbox"/>	Water meadow	Marsh	<input type="checkbox"/>
Leafy debris	<input type="checkbox"/>	Fen	Flush	<input type="checkbox"/>

**M CHANNEL CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**N CHANNEL CHANNEL**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle/Rhododendron bracken

**O CHANNEL CHANNEL**

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry -  
 land drainage - burning - mining - quarrying - afforestation - fisheries management - silting - other? =  
 Land Management: set aside - buffer strip - heathland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: small concrete structure, small plant community through  
 U-trench bridge and grass bank.

Advers? None  Present  Extensive  Disturbed Advers? None  Present  Extensive







**BACKGROUND MAP BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/100) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number 6588  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: TF 308227 River: UN-NAMED  
 Date: 1.5.1996 Time: \_\_\_\_\_ Surveyor name: \_\_\_\_\_ Accreditation code: \_\_\_\_\_

Adverse conditions affecting survey? No  Yes  If yes, note: RIPPLE  
 Bed of river visible? No  partially  entirely  (tick one box)

IPE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**NUMBER OF RIPPLES, POOLS AND POINT BARS (indicate total number)**

Ripples: \_\_\_\_\_ Unvegetated point bars: \_\_\_\_\_  
 Pools: \_\_\_\_\_ Vegetated point bars: \_\_\_\_\_

COMPLETED FORMS WEEKLY plus all water samples and expenses return TO  
 DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAKERAN, 8120 688

**RIFFLE SURVEY FORM**

TALLY (see form) for - Ripples Pools Unveg. side bars Veg. point bars

**R. PHYSICAL ATTRIBUTES**

Spot chart 1 of 10 (upstream to downstream)	1	2	3	4	5	6	7	8	9	10
Material (M) (see code)	CA	EA	CC	EA						
Bank modification(s)	RS	RS	RL	RS						
Bank feature(s)	NO	NO								
Channel (C) (see code)	SI	AR	SI							
Substrate shape (S) (see code)	NA									
Flow type (F) (see code)	NP									
Channel modification(s)	NO	NO	CV	NO						
Channel feature(s)	NO									
RIGHT BANK TICK (if additional forms)										
Material (M) (see code)	EA	EA	CC	EA						
Bank modification(s)	RS	RS	RL	RS						
Bank feature(s)	NO									

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (tick as appropriate)**

Land use (choose one from BL, CL, OL, HL, SC, TH, UF, VC, FL, WL, OV, W)

LAND USE WITHIN 5m OF BANKTOP (L)	CU									
LEFT BANK TOP (structure within 1m) (B) (S)	U									
LEFT BANK FACE (structure) (B) (S)	U									
RIGHT BANK FACE (structure) (B) (S)	U									
RIGHT BANK TOP (structure within 1m) (B) (S)	U									
LAND USE WITHIN 5m OF BANK TOP (R)	TL									

**G. CHANNEL VEGETATION (tick as appropriate)**

NONE  PLANT GENERA - (see form)

Bryophytes/algae										
Emergent broad-leaved herbs										
Emergent submerged/floaters										
Flowering emergent (reeds)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged floaters										
Macrophyte algae										

**E. NO. 1499**

Disturbed wetland (DL)			Rough pasture (RP)		
Grass plantation (GP)			Improved/improved grass (IG)		
Wet (W)			Tilled land (TL)		E
Moist/flush (MU)			Wetland (eg bog, marsh, fen) (WE)		
Open water (OW)			Open water (OW)		
Water's edge vegetation (TE)			Suburban/urban development (SU)		E

**Natural/modified**

Natural/modified	L	R	Artificial/modified	L	R
Unmodified	L	R	Recessed		E
ad + low (>45°)			Recessed - whole bank		E
Grade			Recessed - top only		
Walls			Recessed - toe only		
			Artificial overtopping		
			Flushed		
			Embanked		
			Set back embankments		

**EXTENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2.11%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/canopy	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging branches	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATERBARS**

Waterbar(s)	None	Present E (2.11%)
Concrete(s)	<input type="checkbox"/>	<input type="checkbox"/>
Exposed(s)	<input type="checkbox"/>	<input type="checkbox"/>
Exposed borders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): \_\_\_\_\_

**RIFFLE SURVEY FORM ADDENDUMS AND MODIFICATIONS**

**PHYSICAL DIMENSIONS**

LEFT BANK	Banktop width (m)	8.0	RIGHT BANK	
	Banktop height (m)	2.25		Banktop height (m)
	Embankment height (m)			Embankment height (m)
	Water width (m)	1.5		Water depth (m)
	Water depth (m)	0.1		

If available lower than banktop level in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_  
 Bed material at site is: unconsolidated (compact)  unconsolidated (loose)  structure

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION FEATURES**

None  Number of Obstructions = \_\_\_\_\_ Width = \_\_\_\_\_ Outlets = \_\_\_\_\_ Pools = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**VEGETATION FEATURES**

None  Drooping  Mowing  Weed cutting   
 Embankment  Other? Stone

**FEATURES OF SPECIAL INTEREST (tick as appropriate)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bankside channels  Natural open water  Carr   
 Debris dams  Water meadows  Marsh   
 Lowly debris  Fens  Flats

**PROCESSED CHANNEL**

Is 33% or more of the channel channel with vegetation? NO  YES

**NOTABLE BANK VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  Rhododendron laureum

**MAJOR IMPACTS**

bankfill - silt - stone - silt - silt - pollution - drought - obstruction - mill - dam (and) - mill industry - housing - mining - quarrying - overtopping - afforestation - suburban encroachment - fishing - other? \_\_\_\_\_

Land Management: set aside - buffer strip (bankfill) - structural land - portland - MeO - other? \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey heron - mallard - heron - Ardeotis/Ardeotis/Ardeotis - other? \_\_\_\_\_

Other significant observations: \_\_\_\_\_

**S. ALDERS (tick appropriate box(es))**

Alters? None  Present  Extensive  Dominant Alters? None  Present  Extensive



BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6590  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: NENG  
 Date: 7/1/1996 Time: 5:00 Surveyor name: Accreditation code:

Adverse conditions affecting survey? No  Yes  If yes, state

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles Unvegetated point bars  
 Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use JHD) for: Riffles Pools Uvex side bars Veg point bars

B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only

Spot check 1 is: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional fence										
Material (VA, BA, CO, CE, EA, FE, GL, CC, SP, WF, GA, BR, RR, BW)	EA									
Bank modification(s) (NE, NO, AS, RI, FC, BN, ED)	RS									
Bank feature(s) (W, NO, EC, SC, PE, VP, SR, VS)	NO									

C CHANNEL (NEW = substrate shape codes = tick one box only)

Channel substrate (VA, BA, CO, CE, EA, FE, GL, CC, SP, WF, GA, BR, RR, BW)	S1									
Substrate shape (FL, OV, EL, SP, CU, PO, DL, Othrs - state)	NO									
Flow type (FF, CH, BR, UN, CE, RP, UP, SH, WF, NO)	NO									
Channel modification(s) (NE, NO, CV, AS, RI, DA, FO)	NO									
Channel feature(s) (W, NO, EC, SC, PE, VP, SR, VS)	NO									

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, NH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL									
LEFT BANK-TOP (structure within 1m) B/U/S/C	U									
LEFT BANK FACE (structure) B/U/S/C	U									
RIGHT BANK FACE (structure) B/U/S/C	U									
RIGHT BANK-TOP (structure within 1m) B/U/S/C	U									
LAND USE WITHIN 5m OF BANK TOP (R)	TL									

G CHANNEL VEGETATION TYPES (10m wide transect: E (>33% area) or tick (present) 500m reach only)

NONE / PLANT GENERA - list first 5	ALP, BR, C, ST, R, L, I, E, C, D, A, T, I, O, N
Bryophytes/lichens	
Emerg broad-leaved herbs	
Emerg reeds/sedges/rushes	
Floating-leaved (rooted)	
Free-floating	
Amphibious	
Submerged broad-leaved	
Submersed fine/linear-leaved	
Filamentous algae	

L LAND USE WITHIN 5m OF BANKTOP (tick one box only)

Broadleaf/mixed woodland (BL)						Rough pasture (RP)					
Coniferous plantation (CP)						Improved/semi-improved grass (IG)					
Orchard (OR)						Tilled land (TL)	E	E			
Moortand/heath (MH)						Wetland (eg bog, marsh, fen) (WL)					
Scrub (SC)						Open water (OW)					
Tall herbs' reed vegetation (TH)						Suburban/urban development (SU)					

M CHANNEL VEGETATION TYPES (tick one box only)

Natural/semi-modified						Artificial/modified					
Vertical/undercut						Reinforced	E	E			
Vertical + toe						Reinforced - whole bank					
Steep (>45°)						Reinforced - top only					
Scallop						Reinforced - toe only					
Composite						Artificial two-stage					
						Poached					
						Embanked					
						Set-back embankments					

N OCCURRENCE OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	None <input checked="" type="checkbox"/> Left <input type="checkbox"/> Right <input type="checkbox"/>	ASSOCIATED FEATURES (tick one box per feature)	None <input type="checkbox"/> Present E (>33%) <input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
		Coarse woody debris	<input type="checkbox"/>

O CHANNEL OBSTACLES AND POINTS

Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

J CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	6.0	RIGHT BANK
Banktop height (m)	Water width (m)		Banktop height (m)
Embanked height (m)	Water depth (m)		Embanked height (m)

If waterline lower than banktop break in slope, indicate: height (m) = width (m) =  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

K PARTICULAR FEATURES (tick appropriate box(es))

None  Number of Culverts = Weirs =  
 Footbridges = Roadbridges = Outfalls = Fords =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

L EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? Static

M FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

N CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

O NOTABLE NUISANCE PLANT SPECIES (tick one or more (>33% bank area) IFE note LARGE STANDS of others eg)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (Name) Rhododendron bracken

P OVERLOOKED HAZARD (tick one or more)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? =  
 Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =  
 Animals: otter - musk - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Other significant observations: 20m channel, 1500m

Q ALDERS (tick appropriate box(es))

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

**1996 RIVER HABITAT SURVEY** (with IFR means for plant species and canopy cover)

**A. BACKGROUND: MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary?  Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: **6591**  
 Mid-site grid reference of network site if differs from designated location: \_\_\_\_\_

Grid Reference: **TFC 30 280** River: \_\_\_\_\_  
 Date: **21/4/1996** Time: **14:30** Surveyor name: **C. COLEBY** Accreditation code: **PF 10**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFFLES, POOLS, UVEGETATED POINT BARS (tick one box only)**

Riffles  Uvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BH20 6SB

**1996 RIVER HABITAT SURVEY** (with IFR means for plant species and canopy cover)

**PHYSICAL ATTRIBUTES**

TALLY (see IFR) for - Riffles Pools Uveg. side bars Veg point bars

Spot check 1 is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK - MATERIAL	CA									
Bank modification(s)	RS									
Bank feature(s)	NO									
Channel substrate	SI									
Substrate shape	NA									
Flow type	SM									
Channel modification(s)	NO									
Channel feature(s)	NO									
RIGHT BANK - MATERIAL	CA									
Bank modification(s)	RS									
Bank feature(s)	NO SB NU NU NO NU SB NU NU AD									

**P. BANKTOP LAND USE AND VEGETATION STRUCTURE**

Land use: choose one from BL, CP, OR, UN, SC, TH, SF, IC, FL, WL, OR, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) BAUSC	TL									
LEFT BANK FACE (structure) BAUSC	U									
RIGHT BANK FACE (structure) BAUSC	U									
RIGHT BANK-TOP (structure within 1m) BAUSC	U									
LAND USE WITHIN 5m OF BANK TOP (R)	TL									

**Q. PLANT GENERA - list first 5**

PLANT GENERA	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens	ALAC									
Emergent broad-leaved herbs	ANAC									
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae	E									

**1996 RIVER HABITAT SURVEY** (with IFR means for plant species and canopy cover)

**VEGETATION WITHIN 5m OF BANKTOP**

	L	R	L	R
Broad/deciduous woodland (BL)				
Coniferous plantation (CP)				
Orchard (OR)				
Woodland/scrub (MH)				
Scrub (SC)				
Tall herbs' reed vegetation (TH)				
Natural/unmodified				
Vertical/undercut				
Vertical + toe				
Steep (>45°)				
Gentle				
Composite				

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Present E (≥ 33%)
Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**TREES (tick one box per bank)**

	None	Present E (≥ 33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overbank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Road(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**INDICATE PREDOMINANT FLOW SEQUENCE (select up to three features):**

**1996 RIVER HABITAT SURVEY** (with IFR means for plant species and canopy cover)

**PHYSICAL ATTRIBUTES**

**VEGETATION WITHIN 5m OF BANKTOP**

	L	R	L	R
Broad/deciduous woodland (BL)				
Coniferous plantation (CP)				
Orchard (OR)				
Woodland/scrub (MH)				
Scrub (SC)				
Tall herbs' reed vegetation (TH)				
Natural/unmodified				
Vertical/undercut				
Vertical + toe				
Steep (>45°)				
Gentle				
Composite				

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Present E (≥ 33%)
Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**TREES (tick one box per bank)**

	None	Present E (≥ 33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overbank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Road(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**INDICATE PREDOMINANT FLOW SEQUENCE (select up to three features):**



1996 RIVER HABITAT SURVEY: MID-REACH FOR PLANT GENERA AND GENUS

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6592  
 Mid-site grid reference of network site if differs from designated location: \_\_\_\_\_

Grid Reference: TF702 257 River: BABINGLEY  
 Date: 30/4/1996 Time: 11.40. Surveyor name: G. COLLETT Accreditation code: PF10

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. DOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl  
 (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles: 2 Unvegetated point bars: \_\_\_\_\_  
 Pools: \_\_\_\_\_ Vegetated point bars: \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expresses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: MID-REACH FOR PLANT GENERA AND GENUS

TALLY (see 2B) for: Riffles | Pools | Unveg. point bars | Veg. point bars

**BIOLOGICAL ATTRIBUTES (tick one box)**

Spot check 1 is: upstream  downstream

LEFT BANK	1	2	3	4	5	6	7	8	9	10
Material	CA	CA	CA	CA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	NO	RS	RS	NO	NO	RS	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	SC	SC	NO	NO	SC	EC
Channel substrate	GP	SM	SA	SA	GP	SM	GP	GP	SM	SA
Substrate shape	IR	NA	NA	NA	IR	NA	OV	IR	NA	NA
Flow type	RP	SM	RP	SM	SM	SM	RP	SM	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	TICK IF APPLICABLE (SEE 2B)									
Material	CA	CA	EA	EA	EA	EA	CA	EA	EA	EA
Bank modification(s)	RS	RS	RS	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	NO	NO	NO	NO	NO	VP	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (tick one box)**

Land use: choose one from BL, CP, OR, NH, SC, TL, RP, NO, IL, WL, OW, RU

LAND USE WITHIN 5m OF BANKTOP (L)	IL	TL	SC	RP	RP	RP	RP	RP	SC	BL
LEFT BANK-TOP (structure within 1m)	B	B	U	U	S	U	U	U	B	B
LEFT BANK FACE (structure)	B	B	S	U	S	S	U	U	S	B
RIGHT BANK FACE (structure)	B	B	S	S	S	S	S	S	U	S
RIGHT BANK-TOP (structure within 1m)	S	S	C	C	C	C	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	B	B	B	BL	BL	BL	BL	BL	SC	SC

**G. CHANNEL VEGETATION TYPES (tick one box)**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	1	Phacelia								
Emerg broad-leaved herbs	1	Carex								
Emerg rush/sedge/reeds	1	Phragmites								
Floating-leaved (rooted)	1	Potamogeton								
Free-floating	1	Algal								
Amphibious	1									
Submerged broad-leaved	1									
Submerged fine/linear-leaved	1									
Filamentous algae	1									

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**1996 RIVER HABITAT SURVEY: MID-REACH FOR PLANT GENERA AND GENUS**

**D. CHANNEL DIMENSIONS AND INFERRANCES**

LEFT BANK	Banktop width (m)	7.5	RIGHT BANK		
Banktop height (m)	2.2	Water width (m)	4.75	Banktop height (m)	0.6
Embankment height (m)		Water depth (m)	0.5	Embankment height (m)	

If traffic lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**E. BANKTOP LAND USE AND VEGETATION STRUCTURE (tick one box)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Ponds = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weirs/bars? No  Yes, <33% of site  >33% of site

**F. EVIDENCE OF RECENT MANAGEMENT (tick one box)**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**G. FEATURES OF SPECIAL INTEREST (tick one box)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**H. CHANNEL CHARACTERISTICS (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**I. CHANNEL VEGETATION (tick one box)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**J. MAJOR IMPACTS (tick one box)**

None  Intensity dipping - litter - sewage - pollution - drought - abstraction - spill - dam - road - rail - industry -  
 housing - mining - quarrying - overdrinking - afforestation - fisheries management - silting - other? \_\_\_\_\_  
 Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: \_\_\_\_\_

**K. VEGETATION (tick one box)**

Alders? None  Present  Extensive  Dispersed Alders? None  Present  Extensive

**L. ASSOCIATED FEATURES (tick one box per feature)**

None	Left	Right	Shading of channel	None	Percent E (2.33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-coalescent	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Palisade trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**M. FEATURES OF SPECIAL INTEREST (tick one box)**

None	Percent E	None	Percent E (2.33%)
Waterfall(s)	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	Unvegetated slide bar(s)	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	Vegetated slide bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): run - glide

6592

**1996 RIVER HABITAT SURVEY: MID-REACH FOR PLANT GENERA AND GENUS**

**D. CHANNEL DIMENSIONS AND INFERRANCES**

LEFT BANK	Banktop width (m)	7.5	RIGHT BANK		
Banktop height (m)	2.2	Water width (m)	4.75	Banktop height (m)	0.6
Embankment height (m)		Water depth (m)	0.5	Embankment height (m)	

If traffic lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**E. BANKTOP LAND USE AND VEGETATION STRUCTURE (tick one box)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Ponds = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weirs/bars? No  Yes, <33% of site  >33% of site

**F. EVIDENCE OF RECENT MANAGEMENT (tick one box)**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**G. FEATURES OF SPECIAL INTEREST (tick one box)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**H. CHANNEL CHARACTERISTICS (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**I. CHANNEL VEGETATION (tick one box)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**J. MAJOR IMPACTS (tick one box)**

None  Intensity dipping - litter - sewage - pollution - drought - abstraction - spill - dam - road - rail - industry -  
 housing - mining - quarrying - overdrinking - afforestation - fisheries management - silting - other? \_\_\_\_\_  
 Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: \_\_\_\_\_

**K. VEGETATION (tick one box)**

Alders? None  Present  Extensive  Dispersed Alders? None  Present  Extensive

**L. ASSOCIATED FEATURES (tick one box per feature)**

None	Left	Right	Shading of channel	None	Percent E (2.33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-coalescent	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Palisade trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**M. FEATURES OF SPECIAL INTEREST (tick one box)**

None	Percent E	None	Percent E (2.33%)
Waterfall(s)	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	Unvegetated slide bar(s)	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	Vegetated slide bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): run - glide

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6593  
 Mid-site grid reference of network site if differs from designated location:

Grid Reference: TF890234 River: WENSOM  
 Date: 02.5.1996 Time: 10.50 Surveyor name: G. CALVERT Accreditation code: PE10  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles | Unvegetated point bars  
 Pools | Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (use 0/1) for - Riffles Pools Unveg. side bars Veg point bars

**H. PHYSICAL ATTRIBUTES (to be assessed across channel width of 1m wide transect) (one entry only)**

Spot check 1 is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>	<b>TICK IF functional feature</b>									
Material <small>(W, BL, BO, CO, CS, EA, F, CL, CC, SP, WP, CL, BR, BE, BV)</small>	E	A	E	A	C	A	C	A	E	A
Bank modification(s) <small>(NE, NO, RS, RI, PC, BM, EM)</small>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <small>(M, NO, EC, SC, PR, VP, SB, VS)</small>	EC	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b>	<b>TICK IF functional feature</b>									
Channel substrate <small>(M, BL, BO, CO, CS, EA, F, CL, CC, SP, WP, CL, BR, BE, BV)</small>	GP	GP	GP	GP	SA	CO	CO	SA	GP	GP
Substrate shape <small>(FL, OV, EL, SP, CO, PO, DE, Other: none)</small>	IR	IR	IR	OV	NO	OV	OV	NO	IR	OV
Flow type <small>(FF, CL, BR, BV, CS, RP, UP, SM, NP, NO)</small>	NP	RP	RP	NP	NP	NP	SM	NP	NP	SM
Channel modification(s) <small>(NE, NO, RS, RI, PC, BM, EM)</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <small>(M, NO, EC, SC, PR, VP, SB, VS)</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>	<b>TICK IF functional feature</b>									
Material <small>(W, BL, BO, CO, CS, EA, F, CL, CC, SP, WP, CL, BR, BE, BV)</small>	E	A	E	A	C	A	C	A	E	A
Bank modification(s) <small>(NE, NO, RS, RI, PC, BM, EM)</small>	NO	NO	NO	NO	RS	NO	RS	NO	NO	NO
Bank feature(s) <small>(M, NO, EC, SC, PR, VP, SB, VS)</small>	NO	NO	NO	NO	EC	NO	NO	NO	NO	NO
<b>F BANKTOP LAND USE AND VEGETATION STRUCTURES (to be assessed over a 10m wide transect)</b>	Land use: choose one from EL, CL, OR, MH, SC, TH, RP, RL, TL, WL, OW, SU									
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) <small>(BU/S/C)</small>	B	B	U	B	U	U	U	U	U	U
LEFT BANK FACE (structure) <small>(BU/S/C)</small>	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) <small>(BU/S/C)</small>	U	S	B	S	B	B	B	U	B	U
RIGHT BANK-TOP (structure within 1m) <small>(BU/S/C)</small>	S	S	S	S	B	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	RT	TL	TL	TL	TL	TL
NONE	PLANT GENERA - list first 5	CLM	GRZ							
Bryophytes/lichens	ALC, G									
Emerg broad-leaved herbs	WAD, WPT, P									
Emerg roots/seed heads/rushes	Ap, L, M									
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

**SITE NO.**

Broadleaf/woodland (BL)	L	R	Rough pasture (RP)	L	R
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Woodland/heath (WH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs / reed vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/UNMODIFIED** | **ARTIFICIAL/MODIFIED**

Vertical/undrained	L	R	Reinforced	L	R
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Postbed		
			Embankment		
			Set-back embankments		

**PREVALENCE OF TREES AND ASSOCIATED FEATURES (tick one box per bank)**

None	Left	Right	Shading of channel	None	Present E (≥33%)
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**WATERFALLS AND OTHER FEATURES (tick one box per feature)**

Waterfall(s)	None	Present E (≥33%)	Marginal dead-water	None	Present E (≥33%)
Cascades(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Box(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glade(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):  
 Little flow

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES Page 3 of 4

**H CHANNEL DIMENSIONS (to be measured at one point across channel width of 10m)**

LEFT BANK	Banktop width (m)	3.5	RIGHT BANK	
Banktop height (m)	Water width (m)	0.45	Banktop height (m)	0.75
Embankment height (m)	Water depth (m)	1.00	Embankment height (m)	

If transect lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**I PHYSICAL FEATURES**

None  Number of Culverts = Weirs = Outfalls = } Fords =  
 Footbridges =  
 Other =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**J EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**K FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Brided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**L CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? No  Yes

**M KNOWLEDGE OF PLANT SPECIES (tick one box per species)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron bractea

**N OVERALL RISK RATING**

Major impacts: landfill - tipping - litter - sewage - pollution - (creek) abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - afforestation - fisheries management - silt - other =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations

**O ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

**BACKGROUND MAP BASIC INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary Navigation?  
 Site of source (a) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 5514  
 site grid reference of network site if different from designated location:  
 Grid Reference: 19992230 River: WENSON  
 Date: 25/11/1996 Time: 11:30 Surveyor name: Accreditation code:  
 Access conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 Single photograph general character? No  Yes  (tick one box)  
 replicate will be made by scanning?  
 and, as required, special feature? No  Yes  (tick one box)  
 Surveyed from left bank  right bank  channel  (tick as appropriate)

**DOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Is broad valley floor? No  Yes  IFE - VALLEY FORM NOTES:  
 NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)  
 Ribs Unvegetated point bars  
 Ribs Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 JAWSON, IFE, RIVER LABORATORY, EAST STOEVE, WAKARAMA, BR20 688

1996 RIVER HABITAT SURVEY: TWIN SPOT CHECKS Page 2 of 4

**B PHYSICAL ATTRIBUTES (to be measured across channel within 1m wide transects) - in same order only**

Spot check 1 - vegetation	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature										
Material	EA	BA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	VS	EC	EC	VS	NO	NO	NO	NO	VS
CHANNEL NEW - channel depth (cm)	SI	SI	SI	SI	SI	SI	SAG	SAG	PBP	SA
Channel substrate	NA	NA	NA	NA	NA	NA	NA	NA	IR	NA
Substrate shape	SM	SM	SM	SM	SM	SM	SM	SM	PR	UR
Bank type	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional feature										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	VS	EC	VS	NO	NO	VS	EC	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be measured over a 10m wide transect)**

Land use: choose one from R, O, OR, NR, R, PR, RL, RL, RL, OR, RI

LAND USE WITHIN 5m OF BANKTOP (L)	SC	RL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m) BANK	U	U	S	U	U	U	S	S	U	U
LEFT BANK FACE (structure) BANK	U	S	B	U	U	U	S	U	U	U
RIGHT BANK FACE (structure) BANK	U	B	U	U	U	U	S	U	U	U
RIGHT BANK TOP (structure within 1m) BANK	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SC	TH	TH	TH	TH	TH	TH	TH	TH	TH

**G CHANNEL VEGETATION COVER (YES/NO)**

NONE	PLANT GENERA - list here									
Bryophytes/lichens	Algae									
Emergent broad-leaved herbs	Phragmites									
Emergent narrow-leaved herbs	Veronica									
Flowering broad-leaved	Spartina									
Free-floating	Sparganium									
Amphibious										
Submerged broad-leaved										
Submerged fine-linear leaved										
Filamentous algae										

**CHANNEL CHARACTERISTICS SURVEY**

Left bank (L)	Right bank (R)	Left bank (L)	Right bank (R)
Vegetation (V)		Vegetation (V)	
Bank (B)		Bank (B)	
Channel (C)		Channel (C)	
Flow (F)		Flow (F)	
Substrate (S)		Substrate (S)	

**ARTIFICIAL/MODIFIED CHANNELS**

Left bank (L)	Right bank (R)	Artificial/modified (L)	Artificial/modified (R)
Reinforced - whole bank			
Reinforced - top only			
Reinforced - toe only			
Artificial impingement			
Poached			
Submerged			
Set back embankments			

**QUESTIONS OF TREES AND ASSOCIATED FEATURES**

Left	Right	None	Present E (2/11%)
Shading of channel			
Overhanging branches			
Exposed bankside roots			
Understorey tree roots			
Fallen trees			
Canopy woody debris			

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present E (2/11%)
Shading of channel	
Overhanging branches	
Exposed bankside roots	
Understorey tree roots	
Fallen trees	
Canopy woody debris	

**WATERFALLS AND OTHER FEATURES**

None	Present E (2/11%)
Marginal downwater	
Exposed bedrock	
Exposed boulders	
Unvegetated mid channel bar(s)	
Vegetated mid channel bar(s)	
Mature island(s)	
Unvegetated side bar(s)	
Vegetated side bar(s)	

**DOMINANT FLOW SEQUENCE (select up to three features)**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

LEFT BANK	Banktop width (m)	9.5	RIGHT BANK
Banktop height (m)	Water width (m)	9.5	Banktop height (m)
Embankment height (m)	Water depth (m)	0.5	Embankment height (m)

**IF BANKLINE LOWER THAN BANKTOP BREAK IN SLOPE, INDICATE: height (m) = width (m) =**

Bed material at site is: unconsolidated (rock)  consolidated (stone)

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHARACTERISTICS OF CHANNEL**

None  Number of Culverts = Water = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =  
 Is water impounded by weirs/bars? No  Yes, <33% of site  >33% of site

**SERVICES OF ECOSYSTEM MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Braided/wide channels  Natural open water  Carr   
 Debris dams  Water meadows  Marsh   
 Lively debris  Foss  Flush

**CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**PROTECTIVE MEASURES (tick appropriate box(es))**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick Rhododendron fructus)

**OVERLAPPING CHANNELS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry -  
 housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - bankland - abandoned land - parkland - MoD - other? =

Animals: water snail - water vole - bagfisher - dipper - grey wagtail - reed martin - heron - dragonfly/ladybird/stonefly

Other significant observations:

**ALTERS (tick appropriate box(es))**

Address: Name  Present  EARTHEN  DITCHED Address: Name  Present  EARTHEN

World map, Date of survey, Location of survey, Height of source, Reference network site number, Grid Reference, Date, Time, Surveyor name, Adverse conditions affecting survey, Bed of river visible, IFE single photograph, Site surveyed from

**1.2 FIELD SURVEY DETAILS**

Reference network site number **6515**

Mid-site grid reference of network site if different from designated location.

Grid Reference **003203** River **WERSUM**

Date **20/9/1996** Time **11:35** Surveyor name **P. Smith** Accreditation code **PF 55**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph general character? No  Yes  (tick one box) **25/1/96**  
(duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box) **1.1/1/96**

Site surveyed from: left bank  right bank  channel  (tick as appropriate) **6596**

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles  Unvegetated point bars

Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
F. H. DAWSON, IFE RIVER LABORATORY, EAST STOKE, WAREHAM, RI20 6RR

**2. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transects)**

Spot checks	1	2	3	4	5	6	7	8	9
<b>LEFT BANK STRUCTURE</b>	EA	EA	EA	EA	EA	EA	EA	EA	EA
<b>RIGHT BANK STRUCTURE</b>	EA	EA	EA	EA	EA	EA	EA	EA	EA
<b>Channel substrate</b>	SP	SI	SI	SI	SP	MU	MU	MU	SI
<b>Substrate shape</b>	FR	NA	NA	NA	IR	NA	NA	NA	NA
<b>Plan type</b>	SM	SM	SM	SM	SM	SM	SM	SM	SM
<b>Channel modifications</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Channel features</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK VEGETATION</b>	EA	EA	EA	EA	EA	EA	EA	EA	EA
<b>Bank modifications</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>Bank features</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO

**3. BANK TOP LAND USE AND VEGETATION STRUCTURE**

Land use: choose one from BE, CP, OR, NH, SC, TH, RP, RL, WL, OV, SU

LAND USE WITHIN 50m OF BANKTOP (L)	TH	RP	RL	BL	SU	CP	OR	NH	SC
<b>LEFT BANK-TOP (structure within 1m)</b>	S	S	S	S	S	S	S	S	S
<b>LEFT BANK FACE (structure)</b>	S	S	S	S	S	S	S	S	S
<b>RIGHT BANK FACE (structure)</b>	S	S	S	S	S	S	S	S	S
<b>RIGHT BANK-TOP (structure within 1m)</b>	S	S	S	S	S	S	S	S	S
<b>LAND USE WITHIN 50m OF BANK TOP (R)</b>	TH <td>TH <td>TH <td>RP <td>SU <td>CP <td>OR <td>NH <td>SC</td> </td></td></td></td></td></td></td>	TH <td>TH <td>RP <td>SU <td>CP <td>OR <td>NH <td>SC</td> </td></td></td></td></td></td>	TH <td>RP <td>SU <td>CP <td>OR <td>NH <td>SC</td> </td></td></td></td></td>	RP <td>SU <td>CP <td>OR <td>NH <td>SC</td> </td></td></td></td>	SU <td>CP <td>OR <td>NH <td>SC</td> </td></td></td>	CP <td>OR <td>NH <td>SC</td> </td></td>	OR <td>NH <td>SC</td> </td>	NH <td>SC</td>	SC

**4. BANK TOP VEGETATION TYPES**

NONE  PLANT GENERA - list first 5

TYPE	1	2	3	4	5
Bryophytes/lichens	/	/	/	/	/
Emerg broad leaved herbs	/	/	/	/	/
Emerg roots/algae/reeds	/	/	/	/	/
Floating leaved (rooted)	/	/	/	/	/
Free-floating	/	/	/	/	/
Amphibious	/	/	/	/	/
Submerged broad leaved	/	/	/	/	/
Submerged fine/linear leaved	/	/	/	/	/
Filamentous algae	/	/	/	/	/

**1. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or / if present)**

	L	R		L	R
Road/cut/grass - washed (BL)	/	/	Rough pasture (RP)	/	/
Coniferous plantation (CP)	/	/	Improved/semi-improved grass (IG)	/	E
Orchard (OR)	/	/	Tilled land (TL)	/	/
Moorland/heath (MH)	/	/	Wetland (eg bog, marsh, fen) (WL)	/	/
Scrub (SC)	/	/	Open water (OW)	/	/
Tall herbs and vegetation (TH)	/	/	Suburban/urban development (SU)	/	E

**2. MATERIALS AND MODIFICATIONS**

	L	R		L	R
Vertical/undercut	/	/	Artificial/modified	/	/
Vertical + toe	/	/	Resectioned	/	E
Slope (> 45°)	/	/	Reinforced - whole bank	/	/
Composite	/	/	Reinforced - top only	/	/
			Reinforced - toe only	/	/
			Artificial two-stage	/	/
			Poached	/	/
			Embanked	/	/
			Set-back embankments	/	/

**3. PREVALENCE OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
None	/	/	Shading of channel	/	/
Isolated/scattered	/	/	Overhanging boughs	/	/
Regularly spaced, single	/	/	Exposed bankside roots	/	/
Occasional clumps	/	/	Underwater tree roots	/	/
Semi-continuous	/	/	Fallen trees	/	/
Continuous	/	/	Coarse woody debris	/	/

	None	Present E (≥ 33%)
Waterfall(s)	/	/
Cascade(s)	/	/
Rapid(s)	/	/
Riffles(s)	/	/
Run(s)	/	/
Islet(s)	/	/
Old(s)	/	/
Point(s)	/	/

Indicate predominant flow sequence (select up to three features)

**1. CHANNEL DIMENSIONS (to be measured at the site on a straight uniform section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	10.0	RIGHT BANK
Banktop height (m)	0.90	4.5	Banktop height (m)
Embanked height (m)	0.40	0.40	Embanked height (m)

If trambline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**2. MATERIALS AND MODIFICATIONS**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_

Footbridges = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**3. EVIDENCE OF BENT MANAGEMENT**

None  Dredging  Mowing  Weed cutting

Enhancement  Other? State \_\_\_\_\_

**4. FEATURES OF SPECIAL INTEREST (if appropriate tick one box)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_

Bridled/side channels  Natural open water  Carr

Debris dams  Water meadow  Marsh

Loose debris  Fen  Flush

**5. CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**6. NOTABLE PLANT SPECIES**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? *North Rhododendron*

**7. MAJOR CHARACTERISTICS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction (mill) dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - silting - other? \_\_\_\_\_

Land Management: set-back - buffer strip - bowland - abandoned land - parkland - MoD - other? \_\_\_\_\_

Animals: otter - minnow - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: *Small fish, water voles, otters, kingfishers, dipper, grey wagtail, sand martin, heron, dragonfly/damselfly*

**8. ALDERS (tick appropriate box(es))**

Alters: None  Present  Damaged Alders: None  Present  Extensive

1996 RIVER HABITAT SURVEY: 500m SWEEP-UP SURVEY: PAGE 014

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/m) First category (1-10)  
 Valid prology code Lithology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**DESIGNATED SURVEY CONDITIONS**

Reference network site number: 6546  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: T 159299 River: Pure  
 Date: 20/9/1996 Time: 9:20 Surveyor name: P. Sedell Accreditation code: PF35

Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. IFE PREDOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS**

Rifles: Unvegetated point bars  
 Pools: Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES: PAGE 014

**CHANNEL DIMENSIONS** (to be measured at one site on a straight uniform section, preferably across a riffle)

Spot check 1 to upstream/downstream	1	2	3	4	5	6	7	8	9
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SI	SI	SP	SA	RP	SP	RP	RP	RP
Substrate shape	NA	NA	IR	NA	IR	IR	IR	IR	IR
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE WITHIN 5m OF BANKTOP**

LEFT BANK TOP (structure within 1m)	BL	BL	BL	IS	IS	TH	BL	BL	BL
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	B	S	S	S	S	U	S	S	S
RIGHT BANK TOP (structure within 1m)	S	S	S	U	U	U	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	IS	IS	IS	IS	TH	BL	BL

**PLANT AND ANIMAL SPECIES**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens  
 Emergent broad-leaved herbs  
 Emergent reeds/sedges/rushes  
 Floating-leaved (rooted)  
 Free-floating  
 Amphibians  
 Submerged broad-leaved  
 Submerged fine/linear-leaved  
 Filamentous algae

1996 RIVER HABITAT SURVEY: 500m SWEEP-UP SURVEY: PAGE 014

**LAND USE WITHIN 50m OF BANKTOP** (E, 2-3% bank(s) or 1/3 percent)

Bracken/maize woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/sown improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**CHANNEL DIMENSIONS** (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	4.76	RIGHT BANK
Banktop height (m)	2.4	Water width (m)	4.25
Embanked height (m)		Water depth (m)	2.4
		Embanked height (m)	

If trathline lower than banktop break in slope, indicate: height (m) = width (m) =  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown   
 Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL CHARACTERISTICS** (to be measured at one site on a straight uniform section, preferably across a riffle)

None  Number of Culverts = 2 Weirs = 1 Outfalls = 0  
 Footbridges = 2 Roadbridges = 0 Other =  
 Is water impounded by weirs/dams? No  Yes  < 33% of site  > 33% of site

**EVIDENCE OF BENT MANAGEMENT** (tick appropriate box(es))

None  Dredging  Mowing  Weed cutting  
 Enhancement  Other? State:

**FEATURES OF SPECIAL INTEREST** (tick appropriate box(es))

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Brackish/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE NUISANCE PLANT SPECIES** (tick appropriate box(es))

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron bract

**OVERALL CHARACTERISTICS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - tilting other:  
 Land Management: set aside - buffer strip - headland - abandoned land - perturbed MUD other:  
 Animals: other - mall - water vole - haddock - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly  
 Other significant observations:

**S. ALDERS** (tick appropriate box(es))

None  Present  Extensive  Dominant  None

1996 RIVER HABITAT SURVEY: 500m SWEEP-UP SURVEY: PAGE 014

**TRIEES** (tick one box per bank)

None	Left	Right	None	Present E (≥ 33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Course woody debris	<input checked="" type="checkbox"/>

**ASSOCIATED FEATURES** (tick one box per feature)

Waterfall(s)	None <input checked="" type="checkbox"/>	Present E <input type="checkbox"/>	Marginal dead-water	None <input checked="" type="checkbox"/>	Present E (≥ 33%) <input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features)





**BACKGROUND MAP-BASED INFORMATION**

Abundance:  None  Low  Medium  High

Soil geology code: \_\_\_\_\_

Stream geology code: \_\_\_\_\_

Distance from source (km): \_\_\_\_\_

Height of source (m): \_\_\_\_\_

Store (m/ft): \_\_\_\_\_

Drift geology code: \_\_\_\_\_

Significant tributary: \_\_\_\_\_

Water Quality Class: \_\_\_\_\_

Flow category (1-10): \_\_\_\_\_

Channel category: \_\_\_\_\_

Navigation: \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number: 6398

Mid-use grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: 46362 230 River: ANT

Date: 8.15.1996 Time: 15.00 Surveyor name: G. COLLIER Accreditation code: PF10

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
(duplicate will be made by scanning)

and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave-bottom (if U-shaped glacial valley - add 'U')

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. EVIDENCE OF DISTURBANCE TO CHANNEL FORMATION**

Riffling:  Unvegetated point bars

Pools:  Vegetated point bars

**SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.M. DAWSON, IFE, LIVER LABORATORY, EAST STOCK, WARRAM, 8830 668**

**1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS**

Site No: \_\_\_\_\_

**H. PHYSICAL ATTRIBUTES (to be assessed on the channel)**

Spot	1	2	3	4	5	6	7	8	9	10
Channel width (m)	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
Bank reinforcement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
Bank failure	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CLEANING	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Instream shape	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Per-sed	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel reinforcement	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel bank	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**I. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: check one from BL, CL, DL, EL, FL, GL, HL, IL, OL, PL, QL, RL, SL, TL, UL, VL, WL, XL, YL, ZL

Spot	1	2	3	4	5	6	7	8	9	10
Left Bank Top Structure	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Left Bank Face Structure	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Right Bank Face Structure	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Right Bank Top Structure	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

**J. CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

None  Plant cover: tick one box

Bryophytes/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent broad-leaved herbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent reed/bamboo/rushes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flowering aquatic (macro)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerg. Sarracenian-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerg. algae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SITE NO. 6398**

Feature	L	R	Description	L	R
Bank/Channel bank (BL)	E	C	Rough grasses (R)		
Canal/Grass (C)			Improved/improved grass (G)		
Orchard (O)			Field land (L)		
Moored/float (M)			Washed (by log, marsh, boat) (W)		
Scrub (S)			Open water (O)		
Tall herbs and vegetation (T)	<input checked="" type="checkbox"/>		Suburban/urban development (U)		

**Vertical features**

Feature	L	R	Description	L	R
Vertical + tree			Reinforced - whole bank		
Deep (>4.5)			Reinforced - top only		
Cracks			Reinforced - toe only		
Composite			Artificial structure		
			Poached		
			Embanked		
			Set back embankment		

**TREES (tick one box per bank)**

Tree	Left	Right	Associated Features (tick one box per feature)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel
Isolated/crowded	<input type="checkbox"/>	<input type="checkbox"/>	Overlapping branches
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots
Occasional change	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots
Small-medium	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Course woody debris

**WATERBODIES**

Waterbody	None	Present	None	Present
Marginal ditch/pond	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated acid channel bank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated acid channel bank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Natural channel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Man-made channel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bank	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Other predominant flow sequences (select up to three features):** NO (1)(1)(1)(1)(1)

**1996 RIVER HABITAT SURVEY: ADDITIONAL SPOT CHECKS**

**LEFT BANK**

Banking width (m): 33.0

Banking height (m): 0.5

Water width (m): 33.0

Water depth (m): 0.2

**RIGHT BANK**

Banking height (m): 0.2

Banking width (m): 33.0

Water depth (m): 0.2

If variations lower than banking bank in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site:  unconsolidated (loose)  unconsolidated (bound)  substrate

Location of unconsolidated:  little  one at side  other (tick one box)

**Channel Characteristics**

None  Number of Obstructions = \_\_\_\_\_

Fracturing = \_\_\_\_\_

Walls = \_\_\_\_\_

Roofs/bridges = \_\_\_\_\_

Outlets = \_\_\_\_\_

Forks = \_\_\_\_\_

Is water impounded by unobstructed?  No  Yes, <15% of site  >15% of site

**Channel Bank Characteristics**

None  Dredging  Mowing  Wood cutting

Embankment  Other? State: \_\_\_\_\_

**Channel Bank Vegetation**

None  Waterbodies > 5m high  Artificial open water  Big  Other (state)

Bankside channels  Natural open water  Cut

Debris dams  Water meadow  Marsh

Loose debris  Fine  Flank

**Channel Bank Structure**

In 33% or more of the channel checked with vegetation?  NO  YES

**Channel Bank Structure**

None  Giant Haystack  Giant Haystack  Aspen Cover  Other? State: \_\_\_\_\_

**Channel Bank Structure**

Major impacts: bankfill - tipping - litter - overgrazing - pollution - drainage - obstruction - wall - dam - road - rail - industry - burning - mining - quarrying - overexcavating - afforestation - suburban development - siting - other? -

Land Management: no side - buffer strip - bankfill - abandoned bank - partial - MoD - other? -

Animals: other - seal - water vole - crayfish - otter - grey squirrel - badger - marten - dragonfly/damselfly

Other significant observations: \_\_\_\_\_

**Channel Bank Structure**

None  Present  Extreme  Damaged  Other? State: \_\_\_\_\_

1996 RIVER HABITAT SURVEY with IFE mode for plant genera and (channel) Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6599 6599 - PHOTOGRAPH MAP OF LABELLED 6599  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: 1G468219 River: ~~100~~ HUNDRED STREAM  
 Date: 8.15.1996 Time: 3.00 Surveyor name: G. COLLETT Accreditation code: PF10  
 Adverse conditions affecting survey? No  Yes  If yes, state: EXTREME CLIMATE  
 Bod of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles Unvegetated point bars  
 Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
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1996 RIVER HABITAT SURVEY (TEN SPOT CHECKS) Page 2 of 4

TALLY (use IFE) for Rifles Pools Uavg. side bars Veg point bars

**E. PHYSICAL ATTRIBUTES (if assessed over a 10m wide transect)**

Spot check 1 is: upstream  downstream

LEFT BANK - TICK IF (functional feature)	1	2	3	4	5	6	7	8	9	10
Material (W,AE,NO,CO,CL,SL,FL,CL,CS,SP,GP,GA,MR,BW)	CA	EA	EA	EA	CA	CA				
Bank modification(s) (NE,NO,ES,NI,PC,BN,EN)	NO	NO	NO	NO	NO	NO				
Bank feature(s) (W,NO,EC,SC,FP,SP,SV)	NO	NO	NO	NO	NO	NO				
Channel substrate (W,AE,NO,CO,CL,SL,FL,CL,CS,SP,GP,GA,MR,BW)	S	S	S	S	S	S				
Substrate shape (FL,OV,EL,SP,CP,PO,DR,Other - see)	NO	NO	NO	NO	NO	NO				
Flow type (FF,CH,SN,UN,CF,AF,UP,SN,HP,NO)	NP	NP	NP	NP	NP	NP				
Channel modification(s) (NE,NO,ES,NI,PC,BN,EN)	NO	NO	NO	NO	NO	NO				
Channel feature(s) (W,NO,EC,SC,FP,SP,SV)	NO	NO	NO	NO	NO	NO				
RIGHT BANK - TICK IF (functional feature)										
Material (W,AE,NO,CO,CL,SL,FL,CL,CS,SP,GP,GA,MR,BW)	CA	EA	EA	EA	EA	EA				
Bank modification(s) (NE,NO,ES,NI,PC,BN,EN)	NO	NO	NO	NO	NO	NO				
Bank feature(s) (W,NO,EC,SC,FP,SP,SV)	NO	NO	NO	NO	NO	NO				

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (if assessed over a 10m wide transect)**

Land use: choose one from BE, CF, OR, NH, SC, TH, RP, IO, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1G	1G	1G	1G	1G					
LEFT BANK-TOP (structure within 1m) (MUS/SC)	U	U	U	U	U					
LEFT BANK FACE (structure) (MUS/SC)	U	U	U	U	U					
RIGHT BANK FACE (structure) (MUS/SC)	U	U	U	U	U					
RIGHT BANK-TOP (structure within 1m) (MUS/SC)	U	U	U	U	U					
LAND USE WITHIN 5m OF BANKTOP (R)	1G	1G	1G	1G	1G					

**G. CHANNEL VEGETATION TYPES (if assessed over a 10m wide transect)**

NONE / PLANT GENERA - list first 5										
Bryophytes/Lichens	1	Protonotia								
Emerg broad-leaved herbs	1	Najas								
Emerg reeds/sedge/rushes	1	Hippuris	✓	E	E	E	E	E	E	E
Floating-leaved (rooted)	1	Lemna								
Free-floating	1	Grass (subm)								
Amphibious				✓	✓	✓	✓	✓	✓	✓
Submerged broad-leaved										
Submerged fine/linear-leaved				E	E	E	E	E	E	✓
Filamentous algae										

SITE NO. 6599

**PERCENTAGE OF TREE AND ASSOCIATED FEATURES**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' rest vegetation (TR)			Suburban/urban development (SU)		

**CHARACTERISTICS OF CHANNEL BANKS**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut		✓	Reconciled		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)		E	Reinforced - top only		
Gentle		E	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**CHARACTERISTICS OF CHANNEL BANKS**

Waterfall(s)	None	Present E	Marginal deadwater	None	Present R (≥33%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bowl(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oxide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): No possible flow

1996 RIVER HABITAT SURVEY (DIMENSIONS AND CHANNEL CHARACTERISTICS) Page 3 of 4

**A. CHANNEL DIMENSIONS (if assessed over a 10m wide transect)**

LEFT BANK	Banktop width (m)	5.0	RIGHT BANK		
Banktop height (m)	0.25	Water width (m)	5.0	Banktop height (m)	0.2
Embanked height (m)		Water depth (m)	1.0	Embanked height (m)	

If trashing lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**B. CHANNEL CHARACTERISTICS**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**C. EVIDENCE OF RECENT MANAGEMENT (if assessed over a 10m wide transect)**

None  Dredging  Mowing  Wood-cuning   
 Enhancement  Other? State

**D. FEATURES OF SPECIAL INTEREST (if assessed over a 10m wide transect)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flint

**E. CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**F. OVERABUNDANCE OF NON-SPECIES (if assessed over a 10m wide transect)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**G. SPECIAL CHARACTERISTICS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =  
 Land Management: set-aside - buffer strip - woodland - abandoned land - putland - MoD - other? =  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin (heron) - dragonflies/damselflies  
 Other significant observations:

**H. ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY (with DIB modifications) - plant genera and features Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6600  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SH 637129 River: LIN-NAMES Trib of MAUNDACH.  
 Date: 21.5.1996 Time: 13.00 Surveyor name: N. GRIEVES Accreditation code: DF.12

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIPPLES, POOLS AND POINT BARS (indicate total number)**

Ripples: 24 Unvegetated point bars: /  
 Pools: 27 Vegetated point bars: \

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
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1996 RIVER HABITAT SURVEY - TEN SPOT CHECKBOXES Page 2 of 4

TALLY (use left for riffles, right for pools) (Use 'x' for 'no', 'y' for 'yes') (Use 'v' for 'vegetated', 'u' for 'unvegetated')

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transects) - one entry only.**

Spot check 1st upstream  downstream

LEFT BANK - TICK if functional fence	1	2	3	4	5	6	7	8	9	10
Material NY, AE, AO, CO, GS, PA, PE, O, CC, UF, WF, GA, BR, BR, BW	BO	SA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NY, AO, AS, RI, PC, BR, BR, BW	R	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) NY, MO, LC, SC, PB, VP, SB, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate NY, AE, AO, CO, GS, PA, PE, O, CC, UF, WF, GA, BR, BR, BW	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape FL, OV, FL, SP, CU, PO, IR, Othrs - note	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO
New type NY, CH, BW, LW, KE, RP, UP, SM, AP, PD	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s) NY, MO, LC, SC, PB, VP, SB, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NY, MO, LC, SC, PB, VP, SB, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RI, UF, UR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK TOP (structure within 1m) BU/SC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BU/SC	S	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BU/SC	B	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) BU/SC	S	S	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

**G. CHANNEL VEGETATION TYPES (tick 'present') (30m)**

NONE / PLANT GENERA - list first 5										
Bryophytes/turbans										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. 6600

**H. LAND USE WITHIN 50m OF BANKTOP (tick 'present')**

	L	R		L	R
Broadleaved/maized woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG) ?		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/maize vegetation (TH)			Suburban/urban development (SU)		

**I. CHANNEL VEGETATION TYPES (tick 'present')**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**J. PREVALENCE OF TREES AND ASSOCIATED FEATURES (tick one box per bank)**

TREES	None	Left	Right	ASSOCIATED FEATURES	None	Present E (≥33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**K. PREVALENCE OF SPECIAL FEATURES (tick one box per bank)**

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (≥33%)
Cascade(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bowl(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Manure island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Otlet(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RIFFLE - POOL - CASCADE  
 + STEP - POOL - Bottom 1/4

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INTERFERENCES

**L. CHANNEL DIMENSIONS (measurements taken at site)**

LEFT BANK	Banktop width (m)	1.9	RIGHT BANK	Banktop width (m)	1.9
Banktop height (m)	0.55	Water width (m)	0.75	Banktop height (m)	0.55
Embankment height (m)		Water depth (m)	0.06	Embankment height (m)	0.55

If transect lower than banktop break in slope, indicate: height (m) \_\_\_\_\_ width (m) \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M. CHANNEL VEGETATION TYPES (tick 'present')**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Roadbridges = 1  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**N. CHANNEL MANAGEMENT (tick 'present')**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**O. CHANNEL VEGETATION TYPES (tick 'present')**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P. CHANNEL CHOKING (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q. CHANNEL VEGETATION TYPES (tick 'present')**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**R. CHANNEL VEGETATION TYPES (tick 'present')**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? Sheep grazing

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Predominantly open reach, no trees + RP  
 However lower 1/4 = dramatic gradient - small + BL  
 > Upland Stream.

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

### BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

### FIELD SURVEY DETAILS

Reference network site number: 6601  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SH 746 123 River: FAWNOS  
 Date: 21/11/1996 Time: 15:45 Surveyor name: N. GREVE Accreditation code: PF 12

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

### PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

### NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 10 Unvegetated point bars \_\_\_\_\_  
 Pools 14 Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

### 1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (use TICS) for: Riffles 10 Pools 14 Unveg. side bars \_\_\_\_\_ Veg point bars \_\_\_\_\_

### F. PHYSICAL ATTRIBUTES (to be assessed across channel within 10m wide transects) = one tally only

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material <u>NY,AE,BO,CO,CS,GA,PE,CL,CC,SP,WP,GA,RR,RR,BW</u>	E	B	R	E	A	E	A	E	A	E
Bank modification(s) <u>NR,NO,AS,RL,PC,BL,EM</u>	N	C	R	R	N	O	N	O	N	O
Bank feature(s) <u>NY,NO,EC,SC,FP,VP,SB,VS</u>	N	O	N	O	N	O	N	O	N	O
<b>CHANNEL</b>										
Channel substrate <u>NY,AE,BO,CO,CP,SA,SI,CL,PE,AR</u>	C	O	C	O	C	O	C	O	C	O
Substrate shape <u>FL,OV,EL,SP,CU,PO,FR,Others: none</u>	P	O	C	O	P	O	C	O	P	O
Flow type <u>FF,CF,BW,UN,CF,RP,UP,SM,RP,NO</u>	U	W	L	W	U	W	L	W	U	W
Channel modification(s) <u>NR,NI,CV,AS,RL,DA,FD</u>	N	O	N	O	N	O	N	O	N	O
Channel feature(s) <u>NY,NO,RO,AR,VB,MI,TR</u>	N	O	N	O	N	O	N	O	N	O
<b>RIGHT BANK</b>										
Material <u>NY,AE,BO,CO,CS,GA,PE,CL,CC,SP,WP,GA,RR,RR,BW</u>	E	A	E	A	E	A	E	A	E	A
Bank modification(s) <u>NR,NO,AS,RL,PC,BL,EM</u>	N	O	N	O	N	O	N	O	N	O
Bank feature(s) <u>NY,NO,EC,SC,FP,VP,SB,VS</u>	N	O	N	O	N	O	N	O	N	O
LAND USE WITHIN 5m OF BANKTOP (L)	RP									
LEFT BANK TOP (structure within 1m) <u>BU/SUC</u>	U									
LEFT BANK FACE (structure) <u>BU/SUC</u>	U									
RIGHT BANK FACE (structure) <u>BU/SUC</u>	U									
RIGHT BANK TOP (structure within 1m) <u>BU/SUC</u>	U									
LAND USE WITHIN 5m OF BANK TOP (R)	RP									
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg roots/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

### 1996 RIVER HABITAT SURVEY - TICS (TICKS) FOR PLANT GENERA AND FUNCTIONAL GROUPS Page 3 of 4

### LAND USE WITHIN 50m OF BANKTOP (tick one box per species)

	L	R		L	R
road/mixed woodland (BL)			Rough (natural) <u>RP</u> EXTENSIVE <u>SCALE</u> <u>WLD</u>	E	E
moorland plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (NH)			Wetland (eg bog, marsh, fen) (WL)		
rub (SC)			Open water (OW)		
all herbs* rest vegetation (TH)			Suburban/urban development (SU)		

### ARTIFICIAL/MODIFIED CHANNELS (tick one box per species)

Natural/unmodified	L	R	Artificial/modified	L	R
ritical/undercut			Reinforced		
ritical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
aspondic			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

### EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per bank)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E (≥33%)
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Course woody debris		

### WATERFALLS AND ASSOCIATED FEATURES (tick one box per feature)

Waterfall(s) (f)	None	Present E	Marginal deadwater	None	Present E (≥33%)
Cascade(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid-channel bar(s)		
Ran(s)			Vegetated mid-channel bar(s)		
Box(s)			Mature island(s)		
Slide(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features):  
CASCADE - POOL - LONG RIFFLE

### 1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES Page 3 of 4

### CHANNEL DIMENSIONS (to be assessed across channel within 10m wide transects) = one tally only

LEFT BANK	Banktop width (m)	3.5	RIGHT BANK	Banktop width (m)	3.5
Banktop height (m)	0.8		Banktop height (m)	0.5	
Embanked height (m)	0.14		Embanked height (m)	0.5	
Water width (m)	0.2		Water depth (m)	0.2	

If trushline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown   
 Location of measurement is: riffle  run or glide  other  (tick one box)

### CHANNEL FEATURES (to be assessed across channel within 10m wide transects) = one tally only

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

### CHANNEL MANAGEMENT (tick one box per species)

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State: \_\_\_\_\_

### FEATURES OF SPECIAL INTEREST (tick one box per species)

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Branched/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

### CHANNEL CHOKING (tick one box per species)

Is 33% or more of the channel choked with vegetation? No  Yes

### NOTABLE VEGETATION (tick one box per species)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

### OVERALL RIVER QUALITY (tick one box per species)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? = \_\_\_\_\_  
 Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = SUCCEP CARWING  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Other significant observations: Upland stream, fast flow - steep gradient

### ALDERS (tick one box per species)

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE models for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6602  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: 3H 893 170 River: DYFI  
 Date: 22/5/1996 Time: 09:30 Surveyor name: N. RIEVE Accreditation code: PF 12

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (circle total number)**

Rifles 4 Unvegetated point bars 1  
 Pools 1 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (use IFE) for Rifles Pools Unveg side bars Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transects) = one tally only**

Spot check 1 is upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material <u>NY, NY, NO, CO, CS, EA, PE, CL, CC, SP, WF, GA, BR, RW</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NY, NO, AS, RI, PC, BR, RW</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>NY, NO, AS, RI, PC, BR, RW</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b>										
Channel substrate <u>NY, BE, NO, CO, CP, SA, SI, CL, PE, AR</u>	Z	C	C	B	C	C	C	C	C	C
Substrate shape <u>FL, FL, EL, SP, CU, PO, R, ON, S, -</u>	FL	EL	EL	EL	FL	FL	FL	FL	FL	FL
Flow type <u>FT, CL, BW, UN, CF, RP, UP, SM, JF, NO</u>	B	U	U	B	U	U	U	U	U	U
Channel modification(s) <u>NY, NO, AS, RI, PC, BR, RW</u>	M	U	U	B	U	U	U	U	U	U
Channel feature(s) <u>NY, NO, AS, RI, PC, BR, RW</u>	M	U	U	U	U	U	U	U	U	U
<b>RIGHT BANK</b>										
Material <u>NY, BE, NO, CO, CS, EA, PE, CL, CC, SP, WF, GA, BR, RW</u>	EA									
Bank modification(s) <u>NY, NO, AS, RI, PC, BR, RW</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>NY, NO, AS, RI, PC, BR, RW</u>	S	B	S	B	S	B	S	B	S	B
<b>F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)</b>										
Land use - choose one from <u>BL, CP, OR, MH, SC, TH, RP, IG, TL, WT, ON, SU</u>	BL	RP	RP	RP	RP	RP	RP	RP	RP	RP
LAND USE WITHIN 5m OF BANKTOP (L)	BL	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) <u>BR/SC</u>	S	U	U	S	U	S	S	U	S	U
LEFT BANK FACE (structure) <u>BR/SC</u>	U	S	B	B	S	C	C	C	S	
RIGHT BANK FACE (structure) <u>BR/SC</u>	S	S	S	S	U	U	C	C	S	
RIGHT BANK-TOP (structure within 1m) <u>BR/SC</u>	U	U	U	U	U	U	U	S	U	
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	RP	RP
<b>G. CHANNEL SUBSTRATION TYPES (circle)</b>										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Flotting-leaved (round)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. 6602

**H. CHANNEL DIMENSIONS AND INFLUENCES OF POINTEMENTS**

LEFT BANK	Banktop width (m)	14.75	RIGHT BANK
Banktop height (m)	1.10	Water width (m)	11.5
Embanked height (m)		Water depth (m)	0.45
		Banktop height (m)	1.10

If threshold lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**I. CHANNEL VEGETATION**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**J. CHANNEL MANAGEMENT**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State \_\_\_\_\_

**K. FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**L. CHOKED CHANNELS**

Is 33% or more of the channel choked with vegetation? No  Yes

**M. REMARKS ON SPECIAL PLANTS**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**N. RIVER BANK SHAPE CHARACTERISTICS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - musk - water vole - kingfisher (dipper) - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Tree-lined channel - see sign.

**O. CHANNEL VEGETATION**

Abundant? None  Present  Extensive  Discarded Alders? None  Present  Extensive

Indicate predominant flow sequence (select up to three features): LOW, RIFLES - RIFLES

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES OF POINTEMENTS

**H. CHANNEL DIMENSIONS AND INFLUENCES OF POINTEMENTS**

LEFT BANK	Banktop width (m)	14.75	RIGHT BANK
Banktop height (m)	1.10	Water width (m)	11.5
Embanked height (m)		Water depth (m)	0.45
		Banktop height (m)	1.10

If threshold lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**I. CHANNEL VEGETATION**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**J. CHANNEL MANAGEMENT**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State \_\_\_\_\_

**K. FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**L. CHOKED CHANNELS**

Is 33% or more of the channel choked with vegetation? No  Yes

**M. REMARKS ON SPECIAL PLANTS**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**N. RIVER BANK SHAPE CHARACTERISTICS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - musk - water vole - kingfisher (dipper) - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Tree-lined channel - see sign.

**O. CHANNEL VEGETATION**

Abundant? None  Present  Extensive  Discarded Alders? None  Present  Extensive

(Some Alders 0.5/2.5m)  
 100% DYFI 04/2002RA





1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing. Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6611  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 77186 River:  
 Date 15.4.1996 Time: 9.45 am. Surveyor name: [signature] Accreditation code: PF 36  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM: (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (use JHT) for: Riffles Pools Unveg. side bars Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is: upstream  downstream

LEFT BANK	1	2	3	4	5	6	7	8	9	10
Material <input checked="" type="checkbox"/> EA <input type="checkbox"/> NE <input type="checkbox"/> NO <input type="checkbox"/> CO <input type="checkbox"/> CS <input type="checkbox"/> EA <input type="checkbox"/> PE <input type="checkbox"/> CL <input type="checkbox"/> CC <input type="checkbox"/> SP <input type="checkbox"/> NP <input type="checkbox"/> GA <input type="checkbox"/> RR <input type="checkbox"/> BW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input type="checkbox"/> NE <input type="checkbox"/> NO <input type="checkbox"/> RS <input type="checkbox"/> RJ <input type="checkbox"/> PC <input type="checkbox"/> BM <input type="checkbox"/> EM	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <input type="checkbox"/> NY <input type="checkbox"/> NO <input type="checkbox"/> EC <input type="checkbox"/> SC <input type="checkbox"/> PR <input type="checkbox"/> VP <input type="checkbox"/> SB <input type="checkbox"/> VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL <input checked="" type="checkbox"/> NEW <input type="checkbox"/> SUBSIDING <input type="checkbox"/> (tick appropriate)										
Channel substrate <input type="checkbox"/> NY <input type="checkbox"/> NO <input type="checkbox"/> CO <input type="checkbox"/> SP <input type="checkbox"/> NP <input type="checkbox"/> GA <input type="checkbox"/> RR <input type="checkbox"/> BW	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape <input type="checkbox"/> FL <input type="checkbox"/> OV <input type="checkbox"/> EL <input type="checkbox"/> SP <input type="checkbox"/> CU <input type="checkbox"/> PO <input type="checkbox"/> IR <input type="checkbox"/> Others - see										
Flow type <input type="checkbox"/> FF <input type="checkbox"/> CH <input type="checkbox"/> BW <input type="checkbox"/> OV <input type="checkbox"/> CS <input type="checkbox"/> NP <input type="checkbox"/> UP <input type="checkbox"/> SM <input type="checkbox"/> NP <input type="checkbox"/> MD	SM	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) <input type="checkbox"/> NE <input type="checkbox"/> NO <input type="checkbox"/> CV <input type="checkbox"/> RS <input type="checkbox"/> RJ <input type="checkbox"/> DA <input type="checkbox"/> PD	CV	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <input type="checkbox"/> NY <input type="checkbox"/> NO <input type="checkbox"/> RO <input type="checkbox"/> AB <input type="checkbox"/> VB <input type="checkbox"/> MI <input type="checkbox"/> TR										
RIGHT BANK										
Material <input type="checkbox"/> EA <input type="checkbox"/> NE <input type="checkbox"/> NO <input type="checkbox"/> CO <input type="checkbox"/> CS <input type="checkbox"/> EA <input type="checkbox"/> PE <input type="checkbox"/> CL <input type="checkbox"/> CC <input type="checkbox"/> SP <input type="checkbox"/> NP <input type="checkbox"/> GA <input type="checkbox"/> RR <input type="checkbox"/> BW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input type="checkbox"/> NE <input type="checkbox"/> NO <input type="checkbox"/> RS <input type="checkbox"/> RJ <input type="checkbox"/> PC <input type="checkbox"/> BM <input type="checkbox"/> EM	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <input type="checkbox"/> NY <input type="checkbox"/> NO <input type="checkbox"/> EC <input type="checkbox"/> SC <input type="checkbox"/> PR <input type="checkbox"/> VP <input type="checkbox"/> SB <input type="checkbox"/> VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TL, RP, FL, N, W, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m) BR/SC	C	U	U	S	U	S	S	C	C	C
LEFT BANK FACE (structure) BR/SC	C	S	S	C	S	S	S	C	C	C
RIGHT BANK FACE (structure) BR/SC	C	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BR/SC	C	S	S	S	U	U	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

**G. CHANNEL VEGETATION TYPES (tick appropriate box(es))**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/bog/po/nutts										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. 6611

**PERCENTAGE OF TREES AND ASSOCIATED FEATURES**

Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Open water (OW)		
Tall herbs / rank vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/UNMODIFIED** **ARTIFICIAL/MODIFIED**

Vertical/undercut	<input checked="" type="checkbox"/>		Reconciled		E	E
Vertical + toe	<input checked="" type="checkbox"/>		Reinforced - whole bank		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sloep (>45°)	<input checked="" type="checkbox"/>		Reinforced - top only			
Gentle	<input checked="" type="checkbox"/>		Reinforced - toe only			
Composite	<input checked="" type="checkbox"/>		Artificial two-stage			
			Poached		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked			
			Set-back embankments			

**TREES (tick one box per bank)**

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None <input checked="" type="checkbox"/>	Present <input type="checkbox"/>	Marginal deadwater	None <input type="checkbox"/>	Present <input checked="" type="checkbox"/>
Caesades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapids(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffles(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ran(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): NO PERCEPTIBLE FLOW

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	5.0	RIGHT BANK	
Banktop height (m)	Water width (m)	2.0	Banktop height (m)	1.2
Embanked height (m)	Water depth (m)	0.5	Embanked height (m)	

If trawl line lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**MAN-MADE FEATURES**

None  Number of Culverts = / Weirs = / Outfalls = / Fords = /  
 Footbridges = / Roadbridges = /  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RIVER SYSTEM MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State:

**D. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Braided/eric channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CROCKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES  LOCALISE 50% OF CHANNEL

**QUANTIFIABLE NUISANCE PLANT SPECIES (tick appropriate box(es))**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other (North Rhododendron bracketed)

**GOVERNANCE CHARACTERISTICS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Little more than an extensive choked ditch. Apparently it does flow but this depends on whether or not a former UK is diverting water from it. Stream culverted under disused railway.

**ALDERS (tick appropriate box(es))**

Alders? None  Precal  Extensive  Diseased Alders? None  Present  Extensive

### A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

### B. FIELD SURVEY DETAILS

Reference network site number: 6614  
 Mid-site grid reference of network site if differs from designated location: \_\_\_\_\_

Grid Reference: 042194 River: TAE-R  
 Date: 21/5/1996 Time: 10:00 AM Surveyor name: lanthoms Accreditation code: PF36

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

### C. PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

### D. CHANNEL DIMENSIONS (m) (tick one box only)

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARHAM, BH20 6BB

### F. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transect) 1m grid only

Spot check 1 = upstream  downstream

Material	1	2	3	4	5	6	7	8	9	10
EA EA EA EA EA EA EA EA EA EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
RS RS RS RS RS RS RS RS RS RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
NO NO NO NO VS NO NO NO NO NO	NO	NO	NO	NO	VS	NO	NO	NO	NO	NO
NV NV NV NV NV NV NV NV NV NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
SM SM SM SM SM SM SM SM SM SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
NO NO NO NO NO NO NO NO NO NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
NO NO NO NO NO NO NO NO NO NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### G. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from TL, CL, DR, MH, SC, TH, RP, NO, FL, WL, OW, SI

LAND USE WITHIN 5m OF BANK TOP (L)	SC	SC	TL	TL	TL	TL	TL	TL	TL
LEFT BANK - TOP (structure within 1m) BUISC	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BUISC	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BUISC	B	C	C	S	C	S	S	S	S
RIGHT BANK - TOP (structure within 1m) BUISC	S	C	C	C	C	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	BL	BL	BL	BL	IG	IG	IG

### H. CHANNEL VEGETATION (tick one box only)

NONE  PLANT GENERA - list first 5

PLANT GENERA	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg root/rod/pushes	/	/		/	/		/	/	/	/
Flowering leaved (macro)										
Fern-leaving										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear leaved	/				/			/	/	/
Filamentous algae										

### E. CHANNEL DIMENSIONS AND VEGETATION

LEFT BANK	Banktop width (m)	20	RIGHT BANK	Banktop width (m)	20
Banktop height (m)	1.8	Water width (m)	16	Banktop height (m)	2
Embankment height (m)		Water depth (m)	NFTM <sup>R</sup>	Embankment height (m)	

If transect lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chalkdown

Location of measurement is: riffle  run or glide  other  (tick one box)

### I. CHANNEL VEGETATION

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = 2 Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = CANAL ABANDUCT

Is water impounded by weirs/bars? No  Yes, < 1% of site  > 1% of site

### J. CHANNEL CHANGES

None  Dredging  Moving  Wood cutting   
 Enhancement  Other? State: \_\_\_\_\_

### K. FEATURES OF SPECIAL INTEREST

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state): \_\_\_\_\_  
 Brided/tide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Lost debris  Fen  Flush

### L. CHANNEL CHANGES

Is 1% or more of the channel choked with vegetation? NO  YES

### M. CHANNEL CHANGES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick one box)  Rhododendron bractea

### N. CHANNEL CHANGES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - siting - other? = \_\_\_\_\_  
 Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: PONDING / ABANDUCT STN. U/S  
CANAL ABANDUCT (USED BY TOADS) CROSSES ABOVE RAIN STATION  
SPOTCHECK - 1A

### O. CHANNEL CHANGES

dominate predominant flow sequence (select up to three features): GLIDE

### P. CHANNEL CHANGES

TRIFTS (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2-11%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Inland/exposed	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional change	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pelican trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Waterfall(s)	None	Present E (2-11%)	Marginal deadwater	None	Present E (2-11%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oldie(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

diagnose predominant flow sequence (select up to three features): GLIDE

1996 RIVER HABITAT SURVEY WITH USE MODS FOR PLANT, SOILS AND FENCING Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6615  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 145165 River: Trent  
 Date: 21.5.1996 Time: 3pm Surveyor name: J. Harris Accreditation code: PF36

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (If U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. CHANNEL OBSTACLES, POOLS AND POINT BARS (indicate total)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
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1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use IFE) for: Riffles Pools Unveg. side bars Veg. point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - see key only**

Spot check 1st upstream 1st downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (structure within 1m) BUI/UC	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) NR, NO, RS, RP, CA, BM, EM	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) NY, NO, LC, SC, PB, VP, SB, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate NY, NR, NO, CO, CS, FA, FL, CL, CC, SP, WP, CA, BA, RA, RW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Substrate shape FL, OV, CL, SP, CU, PD, DR, OTHER - none										
New type? IF, CH, BW, LW, CF, AP, UP, SM, RP, NO	SM	SM	SM	SM	RP	RP	SM	SM	SM	SM
Channel modification(s) NR, NO, CV, RS, RL, DA, FO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) NY, NO, RS, RP, CA, BM, EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RL, LP, DR, MH, SC, TH, RP, IG, FL, WT, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) BUI/UC	S	S	S	S	C	S	S	U	U	S
LEFT BANK FACE (structure) BUI/UC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BUI/UC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BUI/UC	C	C	C	S	U	U	C	C	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

**G. VEGETATION RECORD (to be assessed over a 10m wide transect)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/wedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fin-linear-leaved										
Filamentous algae										

SITE NO. \_\_\_\_\_

**H. CHANNEL DIMENSIONS (to be assessed across channel within a 1m wide transect)**

LEFT BANK	Banktop width (m)	2.2	RIGHT BANK		
Banktop height (m)	1.75	Water width (m)	2.0	Banktop height (m)	1.75
Embanked height (m)		Water depth (m)	1.25	Embanked height (m)	

If trathline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**I. CHANNEL VEGETATION (to be assessed across channel within a 1m wide transect)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Foris = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

If water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**J. CHANNEL OBSTACLES (to be assessed across channel within a 1m wide transect)**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**K. FEATURES OF SPECIAL INTEREST (to be assessed across channel within a 1m wide transect)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state): \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**L. CHANNEL CHOKING (to be assessed across channel within a 1m wide transect)**

Is 33% or more of the channel choked with vegetation? NO  YES

**M. CHANNEL ENHANCEMENT (to be assessed across channel within a 1m wide transect)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name: Rhododendron treefern

**N. CHANNEL IMPACTS (to be assessed across channel within a 1m wide transect)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Lead Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Pair of swan mallards  
 Pair of swan mallards  
 Pair of swan mallards

**O. CHANNEL OBSTACLES (to be assessed across channel within a 1m wide transect)**

Alders? None  Present  Extensive  Damaged Alders? None  Present  Extensive

Indicate predominant flow sequence (select up to three features): GLIDE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND CHANNEL RECORDS Page 3 of 4

**H. CHANNEL DIMENSIONS (to be assessed across channel within a 1m wide transect)**

LEFT BANK	Banktop width (m)	2.2	RIGHT BANK		
Banktop height (m)	1.75	Water width (m)	2.0	Banktop height (m)	1.75
Embanked height (m)		Water depth (m)	1.25	Embanked height (m)	

If trathline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**I. CHANNEL VEGETATION (to be assessed across channel within a 1m wide transect)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Foris = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

If water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**J. CHANNEL OBSTACLES (to be assessed across channel within a 1m wide transect)**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**K. FEATURES OF SPECIAL INTEREST (to be assessed across channel within a 1m wide transect)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state): \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**L. CHANNEL CHOKING (to be assessed across channel within a 1m wide transect)**

Is 33% or more of the channel choked with vegetation? NO  YES

**M. CHANNEL ENHANCEMENT (to be assessed across channel within a 1m wide transect)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name: Rhododendron treefern

**N. CHANNEL IMPACTS (to be assessed across channel within a 1m wide transect)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Lead Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Pair of swan mallards  
 Pair of swan mallards  
 Pair of swan mallards

**O. CHANNEL OBSTACLES (to be assessed across channel within a 1m wide transect)**

Alders? None  Present  Extensive  Damaged Alders? None  Present  Extensive

### A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

### B. FIELD SURVEY DETAILS

Reference network site number: 6617  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 310123 River: Mease  
 Date: 21/5/1996 Time: 5pm Surveyor name: Lawthers Accreditation code: PF36

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

### C. PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

### D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 3 Unvegetated point bars 0  
 Pools 4 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

### B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)

TALLY (use IFE) for Riffles  Pools  Unveg. side bars  Veg point bars

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material <small>VE, NE, NO, CO, GS, FA, PE, CL, CC, SP, RP, CL, BR, RR, BB</small>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <small>NE, NO, RS, RP, PC, BM, EM</small>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <small>NY, NO, EC, SC, PB, VP, SB, VS</small>	NO	NO	NO	VP	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b>										
Channel substrate <small>NY, NE, NO, CO, GS, FA, PE, CL, CC, SP, RP, CL, BR, RR, BB</small>	NV	SI	SI	NV	NV	NV	SI	SI	SI	SI
Substrate shape <small>FL, OV, EL, SP, CU, PD, DR, DM, etc.</small>										
Flow type <small>FP, CL, BR, UW, CF, RP, UP, SM, NF, NO</small>	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) <small>NE, NO, RS, RP, PC, BM, EM</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <small>NY, NO, EC, SC, PB, VP, SB, VS</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>										
Material <small>VE, NE, NO, CO, GS, FA, PE, CL, CC, SP, RP, CL, BR, RR, BB</small>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <small>NE, NO, RS, RP, PC, BM, EM</small>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <small>NY, NO, EC, SC, PB, VP, SB, VS</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from TL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SH

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK TOP (structure within 1m) <small>BR/SC</small>	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) <small>BR/SC</small>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) <small>BR/SC</small>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) <small>BR/SC</small>	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

### G. CHANNEL VEGETATION

NONE / PLANT GENERA - list first 5

	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg broad-leaved forbs		✓	✓	✓		✓	✓	✓	✓	✓
Emerg roots/sedges/rushes		✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Submerged fine-leaved	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

### IFE NO.

### H. CHANNEL VEGETATION

	L	R		L	R
woodland/mixed woodland (WL)			Rough pasture (RP)		
oak/deciduous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
woodland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
arab (AC)			Open water (OW)		
all herbs' rest vegetation (TH)			Suburban/urban development (SU)		

### I. CHANNEL VEGETATION

	L	R	Artificial/modified	L	R
straw/woodchips	✓	✓	Reinforced	E	E
artificial + toe			Reinforced - whole bank	✓	✓
Slope (>45°)			Reinforced - top only		
otic			Reinforced - toe only		
embankment			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

### J. TREES (tick one box per bank)

	None	Left	Right	None	Present E (>33%)	
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### K. ASSOCIATED FEATURES (tick one box per feature)

	None	Present E (>33%)		None	Present E (>33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ohide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): GLIDE

### H. CHANNEL DIMENSIONS (to be assessed across channel within a 10m wide transect)

	Left Bank	Banktop width (m)	Right Bank
Banktop height (m)	1.5	4.5	1.5
Banktop height (m)	1.5	3.75	1.5
Embanked height (m)		0.25	

If bankline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box) (Reason of old bridge)

### I. CHANNEL VEGETATION

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Forbs = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

### J. CHANNEL VEGETATION

None  Overgrowing  Mowing  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

### K. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flub

### L. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO  YES

### M. CHANNEL VEGETATION

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

### N. MAJOR IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - siting - other? = \_\_\_\_\_

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: \_\_\_\_\_

### O. ALDERS (tick appropriate box(es))

Alders: None  Present  Extensive  Discarded Alders: None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE methods for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6618  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 413121 River:  
 Date 22.5.1996 Time: Surveyor name J. H. Thomas Accreditation code PT 36  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (tick one total number)**

Rifles 4 Unvegetated point bars 3  
 Pools 1 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS

TALLY (use IFE) for - Riffles  Pools  Unveg. side bars  Veg. point bars

**PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - use only one**

Spot check 1 is: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material <input checked="" type="checkbox"/> GA <input type="checkbox"/> EA <input type="checkbox"/> CA <input type="checkbox"/> BA <input type="checkbox"/> RA <input type="checkbox"/> CA <input type="checkbox"/> CA	GA	EA	CA	BA	RA	CA	CA	CA	CA	CA
Bank modification(s) <input checked="" type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input checked="" type="checkbox"/> NO <input type="checkbox"/> EC <input type="checkbox"/> SB <input type="checkbox"/> EC <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO	NO	EC	SB	EC	NO	NO	NO	NO	NO	NO
Channel substrate <input checked="" type="checkbox"/> CO <input type="checkbox"/> GP <input type="checkbox"/> GP <input type="checkbox"/> SI <input type="checkbox"/> NN <input type="checkbox"/> CO <input type="checkbox"/> CO <input type="checkbox"/> CO <input type="checkbox"/> GP <input type="checkbox"/> GP	CO	GP	GP	SI	NN	CO	CO	CO	GP	GP
Substrate shape <input checked="" type="checkbox"/> FL <input type="checkbox"/> OV <input type="checkbox"/> SP <input type="checkbox"/> CU <input type="checkbox"/> PO <input type="checkbox"/> DR <input type="checkbox"/> Other = none	FL	OV	SP	CU	PO	DR	Other = none	FL	OV	SP
Flow type <input checked="" type="checkbox"/> SM <input type="checkbox"/> RP <input type="checkbox"/> RP <input type="checkbox"/> SM <input type="checkbox"/> SM <input type="checkbox"/> RP <input type="checkbox"/> SM <input type="checkbox"/> SM <input type="checkbox"/> NP	SM	RP	RP	SM	SM	RP	SM	SM	NP	NP
Channel modification(s) <input checked="" type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <input checked="" type="checkbox"/> NO <input type="checkbox"/> TR <input type="checkbox"/> NO <input type="checkbox"/> TR <input type="checkbox"/> TR <input type="checkbox"/> TR <input type="checkbox"/> TR <input type="checkbox"/> TR	NO	TR	NO	TR	TR	TR	TR	TR	TR	TR

**RIGHT BANK (tick if functional fence)**

Material <input checked="" type="checkbox"/> GA <input type="checkbox"/> EA <input type="checkbox"/> CA <input type="checkbox"/> BA <input type="checkbox"/> RA <input type="checkbox"/> CA <input type="checkbox"/> CA	GA	EA	CA	BA	RA	CA	CA	CA	CA	CA
Bank modification(s) <input checked="" type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input checked="" type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**P. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use, choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WE, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	SC	TL	SC	SC	SC	TL	TL	TL
LEFT BANK TOP (structure within 1m) <input checked="" type="checkbox"/> BU/SC	S	S	S	C	C	E	S	C	C	C
LEFT BANK FACE (structure) <input checked="" type="checkbox"/> BU/SC	S	B	S	S	B	S	S	S	S	S
RIGHT BANK FACE (structure) <input checked="" type="checkbox"/> BU/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) <input checked="" type="checkbox"/> BU/SC	S	S	S	S	S	C	S	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	SC	SC	SC	SC	SC	SC	SC	SC	SC

**PLANT GENERA - list first 5**

NONE										
Bryophytes/Lichens										
Emerg broad-leaved herbs	/	/	/	/	/	/	/	/	/	/
Emerg reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	/	/	/	/	/	/	/	/	/	/

**SITE NO.**

**LAND USE WITHIN 5m OF BANKTOP (tick one total number)**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	/
Orchard (OR)			Tilled land (TL)	E	/
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	E	E	Open water (OW)		E
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/SEMI-NATURAL**

Natural/semi-nat	L	R	Artificial/modified	L	R
Vertical/undercut	/	/	Reconciled	E	E
Vertical + toe	/	/	Reinforced - whole bank	/	/
Slope (> 45°)	E	E	Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		/
			Set-back embankments		/

**TRIGS (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**WATERFALLS**

Waterfall(s)	None	Present E (≥ 33%)
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): CO, E, RP

**UPPER RIVER HABITAT SURVEY - DIMENSIONS AND TRENCHES**

**CHANNEL DIMENSIONS (to be measured on a straight section of channel - use only one)**

LEFT BANK	Banktop width (m)	2.5	RIGHT BANK	
Banktop height (m)	Water width (m)	2.25	Banktop height (m)	0.5
Embanked height (m)	Water depth (m)	0.1	Embanked height (m)	

If trashing lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURAL FEATURES**

None  Number of Culverts = Roadbridges = Outfalls = Fords =  
 Footbridges = Weirs =  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**CHANNEL MANAGEMENT**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State:

**CHARACTERISTICS OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Braided/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE NON-GRASSY PLANT GENERA**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  Notice Rhododendron bracken

**VEGETATION CHARACTERISTICS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - siltation - other? =

Land Management: set-side - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Site subject to wind ponds adjacent to a bank cut off by a dyke. 25m x 10m x 10m concrete works nearby. 25m x 10m x 10m concrete works nearby. A fishy lead stream flows on the bank of water.

**SPERMATOPHYTES (tick one total number)**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive



**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6619  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: S89149 River: Seark  
 Date: 22.15.1996 Time: 2:30 pm Surveyor name: Ian Horn Accreditation code: PF36  
 Adverse conditions affecting survey? No  Yes  If yes, state moderately cloudy  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**DIAGNOSIS OF CHANNEL TYPES AND POINT BARS (indicate tolerance)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARHAM, BH20 6BB

1996 RIVER HABITAT SURVEY WITH IFE MODELS FOR PLANT GENERA AND GENUS Page 2 of 4

**TALLY (use IFE) for: Riffles Pools Unveg side bars Veg point bars**

**PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) (1 = dominant only)**

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> (tick if functional)										
Material <u>VA, VE, VC, CL, PE, CE, CC, SP, GP, GR, BR, BW</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NR, NR, RS, RJ, PC, BA, EM</u>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <u>NY, NO, EC, SC, PR, VP, SB, VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b> (tick if functional)										
Channel substrate <u>NY, NE, NO, CO, GP, SA, SI, CL, PE, AR</u>	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape <u>FL, OV, EL, SP, CU, PO, DR, OTHER - none</u>										
Flow type <u>IF, CH, BR, UN, CF, RP, UP, SH, NP, ND</u>	R	R	R	R	R	R	R	R	R	R
Channel modification(s) <u>NR, NO, CV, RS, RJ, DA, JD</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>NY, NO, EC, SC, PR, VP, SB, VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b> (tick if functional)										
Material <u>VA, VE, VC, CL, PE, CE, CC, SP, GP, GR, BR, BW</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NR, NR, RS, RJ, PC, BA, EM</u>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <u>NY, NO, EC, SC, PR, VP, SB, VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, DR, MH, SC, TH, RP, IG, FL, WL, OW, SU

<b>LAND USE WITHIN 5m OF BANKTOP (L)</b>	TL	TL	TL	TL	TL	IG	IG	IG	IG	R
LEFT BANK TOP (structure within 1m) <u>BR/US/C</u>	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <u>BR/US/C</u>	U	U	B	C	S	B	U	S	S	S
RIGHT BANK FACE (structure) <u>BR/US/C</u>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) <u>BR/US/C</u>	U	U	S	S	S	S	U	U	U	U
<b>LAND USE WITHIN 5m OF BANK TOP (R)</b>	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

**CHANNEL VEGETATION (tick one box)**

NONE  PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/edges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear leaved										
Filamentous algae										

NOTE NO. 1

**VEGETATION TYPES AND ASSOCIATED FEATURES**

road/mixed woodland (RL)			Rough pasture (RP)		
uniform prairie (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	E	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
pond (OC)			Open water (OW)		
all herbs' rank vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/UNMODIFIED** **ARTIFICIAL/MODIFIED**

critical/undercut			Reinforced	E	E
critical + toe			Reinforced - whole bank		E
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
empirical			Artificial two-stage		
			Poached	E	
			Embanked		
			Set-back embankments		

**THRESSES (tick one box per bank)**

None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None <input type="checkbox"/>	Present E (≥33%) <input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Marginal deadwater	None <input checked="" type="checkbox"/>	Present E (≥33%) <input type="checkbox"/>
Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS (tick one box per bank)**

Waterfall(s)	None <input checked="" type="checkbox"/>	Present E <input type="checkbox"/>	Marginal deadwater	None <input checked="" type="checkbox"/>	Present E (≥33%) <input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s) <u>PROBABLY</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Slide??

1996 RIVER HABITAT SURVEY WITH IFE MODELS FOR PLANT GENERA AND GENUS Page 3 of 4

**CHANNEL DIMENSIONS (to be assessed across channel within a 10m wide transect)**

<b>LEFT BANK</b>	Banktop width (m)	<u>25</u>	<b>RIGHT BANK</b>
Banktop height (m)	Water width (m)	<u>21</u>	Banktop height (m)
Embanked height (m)	Water depth (m)	<u>NPTM</u>	Embanked height (m)

If trachee lower than banktop break in slope, indicate: height (m) =          width (m) =         

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown  LIX

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION FEATURES**

None  Number of Culverts =          Weirs =          Outfalls =          Fords =           
 Footbridges =          Roadbridges =          Other =         

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**VEGETATION MANAGEMENT**

None  Dropping  Mowing  Weed cutting   
 Enhancement  Other? State         

**CHARACTERISTICS OF SPECIAL INTEREST (tick one box per feature)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)           
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHANNEL CHOKED**

Is 33% or more of the channel choked with vegetation? NO  YES

**UNDESIRABLE VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**ENVIRONMENTAL IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - siting - other? =         

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =         

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: ? Part of gravel run canal - certainly used by otters - probably windy conditions - possible still fish type -

**SPECIAL INTEREST (tick one box per feature)**

Alders? None  Present  Extensive  Discussed Alders? None  Present  Extensive



1996 RIVER HABITAT SURVEY WITH IFE MODS FOR PLANT GENERA AND FENCING - Page 1 of 4

### A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

### B. FIELD SURVEY DETAILS

Reference network site number: 6620  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: 623128 River: Wreake  
 Date: 22.5.11996 Time: 1<sup>15</sup> pm Surveyor name: Lanterns Accreditation code: PF36

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

### C. PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/bowl (If U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

### D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total numbers)

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, B120 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT LIGHTS

FULLY (use IFE) for: Riffles Pools / Unveg side bars Veg point bars

### E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
Material <sup>NY, M, A, O, C, G, S, E, P, L, C, CC, SP, WP, GA, B, R, B, W</sup>	EA	GA	EA	GA	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>NE, NO, RS, RL, PC, BM, EM</sup>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <sup>NY, NO, EC, SC, PB, VP, SB, VS</sup>	NO	EC	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <sup>NY, M, A, O, C, G, S, E, P, L, C, CC, SP, WP, GA, B, R, B, W</sup>	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape <sup>FL, OV, EL, SP, CU, PD, RL, Other - none</sup>										
Flow type <sup>TF, CH, BW, LW, CS, RP, UF, SM, NF, NO</sup>	SM	NP	SM	SM	SM	NP	NP	NP	NP	NP
Channel modification(s) <sup>NE, NO, CV, RL, B, D, A, F, O</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <sup>NY, NO, B, A, B, V, B, A, T, R</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

### F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, CW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	IG	SC	IG	SU	SU	TL	TL	TL	TL
LEFT BANK TOP (structure within 1m) <sup>BL/SC</sup>	C	U	C	U	U	U	S	S	S	S
LEFT BANK FACE (structure) <sup>BL/SC</sup>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) <sup>BL/SC</sup>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) <sup>BL/SC</sup>	U	S	U	U	U	U	C	S	S	S

### G. BANKTOP VEGETATION (list first 5 PLANT GENERA)

NONE

PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. \_\_\_\_\_

### H. HABITAT TYPES AND THE PREVALENCE OF SPECIFIC PLANT GENERA (indicate total numbers)

	L	R	L	R
Broadleaf/mixed woodland (BL)				
Coniferous plantation (CP)				
Orchard (OR)				
Moorland/heath (MH)				
Scrub (SC)				
Tall herbs / rust vegetation (TH)				
Rough pasture (RP)				
Improved/semi-improved grass (IG)				
Tilled land (TL)				
Wetland (eg bog, marsh, fen) (WL)				
Open water (OW)				
Suburban/urban development (SU)				

### I. PREVALENCE OF TREES AND ASSOCIATED FEATURES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reactioned		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

### J. PREVALENCE OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

### K. PREVALENCE OF TREES AND ASSOCIATED FEATURES

	None	Present E (≥ 33%)	None	Present E (≥ 33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): NO VEGETABLE - SLIDE

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES

### L. CHANNEL DIMENSIONS (to be assessed across channel within a 10m wide transect)

LEFT BANK	Banktop width (m)	18	RIGHT BANK	
Banktop height (m)	2.0		Banktop height (m)	2.0
Embanked height (m)			Embanked height (m)	
	Water depth (m)	N/A		

If bankline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

### M. CHANNEL FEATURES

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Roadbridges = 1 Outfalls = 3 Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

### N. CHANNEL MANAGEMENT

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State: \_\_\_\_\_

### O. QUALITIES OF SPECIAL INTEREST (tick appropriate boxes)

None

Waterfalls > 5m high	<input type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Bog	<input type="checkbox"/>	Other (state)	
Bruided/side channels	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Carr	<input type="checkbox"/>		
Debris dams	<input type="checkbox"/>	Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>		
Leafy debris	<input type="checkbox"/>	Fen	<input type="checkbox"/>	Flush	<input type="checkbox"/>		

### P. CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO  YES

### Q. NOTABLE INFLUENCES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

### R. MAJOR IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - siting - other? = \_\_\_\_\_

Land Management: set-back - buffer strip - headland - abandoned load - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: 2.5m wide main run at a way point - debris garden in the SW at check 5 & 6. One outfall had a large oil-bean with wide outlet

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

**RIVER HABITAT SURVEY (with IFB mode for plan, general and fencing)** Page 1 of 4

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number: 6621

Mid-site grid reference of network site if differs from designated location: \_\_\_\_\_

Grid Reference: 77579 River: EYE

Date: 22.5.1996 Time: 10:50 Surveyor name: L. H. HARRIS Accreditation code: PF31

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**NUMBER OF RIFFLES, POOLS AND POINT BARS (reference valley numbers)**

Riffles 2 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

**RIVER HABITAT SURVEY (with IFB mode for plan, general and fencing)** Page 2 of 4

**PHYSICAL ATTRIBUTES (tick one box per feature)**

Sp. check 1st upstream  downstream

Material	1	2	3	4	5	6	7	8	9	10
EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	NV	CL	NV	NV	CO	CO	CO	NV	NV	NV
Substrate type	FL	OV	EL	SP	CU	PO	DL	DR	DR	DR
Flow type	SM	SM	NP	NP	SM	RP	SM	NP	NP	NP
Channel modification(s)	NC	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK - TICK if functional (tick one box)**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**E. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, AC, TL, DL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	SC	SC	BL	BL	BL	SC	TL	TL	TL
LEFT BANK-TOP (structure within 1m) BAUSC	C	S	S	C	C	C	S	S	S	S
LEFT BANK FACE (structure) BAUSC	S	S	S	S	C	C	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	C	S	C	S	C	C	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BAUSC	C	C	C	C	C	C	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	14	BL	SC	BL	BL	SC	14	14	14	14

**CHANNEL VEGETATION (tick one box per feature)**

NONE  PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs		✓	✓	✓						
Emerg reeds/wedges/rushes		✓	E	✓						
Floating-leaved (mosses)										
Free-floating										
Amphibious										
Submerged broad-leaved		E	✓	✓						
Submerged filamentous-leaved										
Filamentous algae			✓	✓	E	E	E			

**SITE NO.** \_\_\_\_\_

Irish/raised woodland (BL)	L	R	Rough pasture (RP)	L	R
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)	E	
Woodland/scrub (MH)			Wetland (eg bog, marsh, fen) (WL)		
Arb (AQ)	E	E	Open water (OW)		
All herbs' root vegetation (TH)			Substrate/artificial development (SU)		

**ARTIFICIAL/MODIFIED**

Standard/modified	L	R	Artificial/modified	L	R
Vertical/wooden	✓	✓	Reinforced	✓	✓
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Bank			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

**TREES (tick one box per bank)**

None	Left	Right	Associated features	None	Present E (≥33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Scrub continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATERBODIES**

Waterbodies	None	Present E	Marginal deadwater	None	Present E (≥33%)
Cascades(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapids(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffles(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Shoal(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mudflats (sand)	<input type="checkbox"/>	<input type="checkbox"/>
Obd(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

diagram predominant flow sequence (select up to three features): \_\_\_\_\_

**RIVER HABITAT SURVEY (with IFB mode for plan, general and fencing)** Page 3 of 4

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	8.0	RIGHT BANK	Banktop width (m)	8.0
Banktop height (m)	Water width (m)	5.25	Banktop height (m)	Water width (m)	5.25
Embanked height (m)	Water depth (m)	0.1	Embanked height (m)	Water depth (m)	0.1

If (treeline lower than banktop break in slope, indicate: height (m) = width (m) = Treeline higher than bank: \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chalk/stone

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL VEGETATION**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Fords = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**SURVEYOR'S COMMENTS/REMARKS**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: TRICE CLEARANCE, VISGOD, R-BANK

**CHARACTERISTICS OF SPECIAL INTERESTS (tick one box per feature)**

None  Waterfalls > 4m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Broad/steep channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Lofly debris  Fen  Flush

**EXCLUDED CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES  (if former is covered, check)

**DOMINANT VEGETATION STANDS**

None  Grass Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name: Rhodo-chondron bractea

**MAJOR IMPACTS**

Landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdrinking - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-aside - buffer strip - broadland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - minnow - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Some stone clearing, fallen trees etc. off the left bank, but the section should still be ready or better than last year. It is quite common along sites of this type, especially if you observe it carefully after a rain event.

**ALTERS (tick appropriate)**

Alders: None  Present  Extensive  Discarded Alders: None  Present  Extensive



**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number: 6623

Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: North Brook

Date: 6.1.1996 Time: 15.20 Surveyor name: WJL Accreditation code: (P44)

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**DOMINANT VALLEY FORMS (tick one box)**

shallow vee  concave/bowl  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**NUMBERS OF RIFLES, POOLS AND POINT BARS**

Rifles: 2 Unvegetated point bars: \_\_\_\_\_  
 Pools: \_\_\_\_\_ Vegetated point bars: 2

**END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB**

**1996 RIVER HABITAT SURVEY - TERN SPOT CHECK**

TALLY (use 228) for: Rifles: \_\_\_\_\_ Pools: \_\_\_\_\_ Unveg. side bars: \_\_\_\_\_ Veg. side bars: \_\_\_\_\_

**PHYSICAL ATTRIBUTES**

Spot check 1 is: upstream  downstream

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL ATTRIBUTES**

Channel substrate	SE	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	RP	SYM	UN	SN	RP	RP	SYM	RP	RP
Channel modification(s)	RS	RS	RS	RS	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK ATTRIBUTES**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE AND VEGETATION STRUCTURE**

Land use: choose one from RL, CL, OR, NOL, SC, TH, RP, NO, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP (structure within 1m)	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m)	U	U	S	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	IG	IG	IG	IG	IG

**NONB / PLANT GENERA - list first 5**

Bryophytes/lichens									
Emerg broad leaved herbs									
Emerg reeds/sedges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerged fine/linear-leaved									
Filamentous algae									

**1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES**

**CHANNEL DIMENSIONS** (to be measured to nearest 10cm unless otherwise specified)

LEFT BANK	Banktop width (m)	<u>1.7</u>	RIGHT BANK		
Banktop height (m)	<u>0.15</u>	Water width (m)	<u>1.0</u>	Banktop height (m)	<u>0.15</u>
Embanked height (m)		Water depth (m)	<u>0.15</u>	Embanked height (m)	

If threshold lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES**

None  Number of Culverts = 1 Weirs = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Other = \_\_\_\_\_ Fords = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**VEGETATION MANAGEMENT**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fea  Flush

**CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**DOWNSTREAM CHANGE IN VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick Rhododendron bracteata)

**OVERBANK VEGETATION**

Major issues: landfill - clipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry  
 burning - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? = \_\_\_\_\_  
 Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:  
small stream with fish (Ranunculus, may carr)

**Flow sequence**

Flow sequence (select up to three features): Glide Run Riffle

**EXISTENT TREES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

None	Left	Right	None	Present E (≥ 33%)
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Filken trees	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present E (≥ 33%)
Marginal dead-water	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>

**Flow sequence**

Waterfall(s)	None	Present E
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**BACKGROUND AND BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**SURVEY DETAILS**

Reference network site number: 6624  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: East Glen  
 Date 7.16.1996 Time: 9.40 Surveyor name WJL Accreditation code: PF03

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**DOMINANT VALLEY FORMS (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**RIFFLES AND POOLS (tick one box only)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 II. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARRERAM, BH20 6BB

**1990 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES**

TALLY (see RIF) for: Riffles Pools Uavg. side bars

**PHYSICAL ATTRIBUTES**

Spot check 1 is: upstream <input type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SE	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE AND VEGETATION STRUCTURE**

Land use: choose one from EL, CP, OR, ABL, SC, TH, AP, NO, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	L	L	L	L	L	L	L	L	L	L
LEFT BANK-TOP (structure within 1m) BRUSC	C	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BRUSC	U	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BRUSC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) BRUSC	U	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL

**CHANNEL VEGETATION**

NONE / PLANT GENERA - Est first 5

Bryophytes/lichens	Y	N	N	N	N	N	N	N	N	N
Emerg broad-leaved herbs	Y	N	N	N	N	N	N	N	N	N
Emerg needle/leaf/rushes	Y	N	N	N	N	N	N	N	N	N
Floating-leaved (rooted)	Y	N	N	N	N	N	N	N	N	N
Free-floating	Y	N	N	N	N	N	N	N	N	N
Amphibious	Y	N	N	N	N	N	N	N	N	N
Submerged broad-leaved	Y	N	N	N	N	N	N	N	N	N
Submersy fine/linear-leaved	Y	N	N	N	N	N	N	N	N	N
Filamentous algae	E	E	E	E	E	E	E	E	E	E

**1990 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	4.8	RIGHT BANK	Banktop width (m)	4.8
Banktop height (m)	0.95	Water width (m)	4.0	Banktop height (m)	0.95
Embankment height (m)	0.2	Water depth (m)	0.2	Embankment height (m)	0.2

If threshold lower than banktop break of slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown   
 Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = 1 Dr. 3rd (R-1) bridge  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**VEGETATION MANAGEMENT**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bruided/used channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**UNDESIRABLE INDIAN SPECIES**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? (Name Rhododendron bracken)

**GENERAL PARASITICUS**

Major impacts: landfill - tipping - lime - sewage - pollution - dredging - abstraction - mill - dam - road - rail - quarrying - housing - mining - quarrying - over-depositing - afforestation - fisheries management - silting - other? = \_\_\_\_\_  
 Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

**OTHER SIGNIFICANT OBSERVATIONS:**  
 1st half checked by streamer - second half open & checked with water bars

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (> 33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS AND ASSOCIATED FEATURES**

Waterfall(s)	None	Present E	Marginal dead-water	None	Present E (> 33%)
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Ch. 2

**1990 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	4.8	RIGHT BANK	Banktop width (m)	4.8
Banktop height (m)	0.95	Water width (m)	4.0	Banktop height (m)	0.95
Embankment height (m)	0.2	Water depth (m)	0.2	Embankment height (m)	0.2

If threshold lower than banktop break of slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown   
 Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = 1 Dr. 3rd (R-1) bridge  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**VEGETATION MANAGEMENT**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bruided/used channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**UNDESIRABLE INDIAN SPECIES**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? (Name Rhododendron bracken)

**GENERAL PARASITICUS**

Major impacts: landfill - tipping - lime - sewage - pollution - dredging - abstraction - mill - dam - road - rail - quarrying - housing - mining - quarrying - over-depositing - afforestation - fisheries management - silting - other? = \_\_\_\_\_  
 Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

**OTHER SIGNIFICANT OBSERVATIONS:**  
 1st half checked by streamer - second half open & checked with water bars

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (> 33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS AND ASSOCIATED FEATURES**

Waterfall(s)	None	Present E	Marginal dead-water	None	Present E (> 33%)
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Ch. 2



1996 RIVER HABITAT SURVEY with IFE methods for all genera and families Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6625  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: TF115159 River: GLEN  
 Date: 19.1.5/1996 Time: 14:50 Surveyor name: PHENIX Accreditation code: CE11  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles: 1 Unvegetated point bars: 0  
 Pools: 0 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (use JHS for Riffles) Pools Unveg. side bars Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide (riparian) zone only)**

Spot check 1 is upstream  downstream

LEFT BANK - TICK if functional slope	1	2	3	4	5	6	7	8	9	10
Material (M, NO, MO, CO, CS, CA, PL, CL, CC, SP, MP, GA, BR, BR, B, W)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (N, NO, RS, RP, PC, BM, JM)	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
Bank feature(s) (N, NO, EC, SC, PR, VP, SB, VS)	N	VS	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK - TICK if functional slope**

Material (M, NO, MO, CO, CS, CA, PL, CL, CC, SP, MP, GA, BR, BR, B, W)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (N, NO, RS, RP, PC, BM, JM)	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
Bank feature(s) (N, NO, EC, SC, PR, VP, SB, VS)	VS	VS	VS	VS	VS	VS	VS	VS	VS	VS

**F. BANKTOP LAND USE AND VEGETATION STRUCTURES (to be assessed over a 10m wide (riparian) zone)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RF, NG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
LEFT BANK-TOP (structure within 1m) (BL/SC)	4	4	4	4	4	4	4	4	4	4
LEFT BANK FACE (structure) (BL/SC)	4	4	4	4	4	4	4	4	4	4
RIGHT BANK FACE (structure) (BL/SC)	4	4	4	4	4	4	4	4	4	4
RIGHT BANK-TOP (structure within 1m) (BL/SC)	4	4	4	4	4	4	4	4	4	4
LAND USE WITHIN 5m OF BANK TOP (R)	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G

**G. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide (riparian) zone)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 6625 RIVER HABITAT SURVEY (DM SW/BD)

**H. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide (riparian) zone)**

Broadleaved/mixed woodland (BL)	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)		Improved/semi-improved grass (IG)	E	E
Orchard (OR)		Tilled land (TL)		E
Moorland/heath (MH)		Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)		Open water (OW)		
Tall herb/ reed vegetation (TH)		Suburban/urban development (SU)		

**I. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide (riparian) zone)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/embankment			Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embankment		
			Set-back embankments		

**J. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide (riparian) zone)**

TREES (tick one box per bank)

None	Left <input checked="" type="checkbox"/>	Right <input checked="" type="checkbox"/>	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (>33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Felkha trees	<input type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**K. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide (riparian) zone)**

Waterfall(s)	None <input type="checkbox"/>	Percent E	Marginal deadwater	None <input type="checkbox"/>	Percent E (>33%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): ghd

1996 RIVER HABITAT SURVEY - DIMENSIONS AND DIMENSIONS

**L. CHANNEL DIMENSIONS (to be assessed over a 10m wide (riparian) zone)**

LEFT BANK	Banktop width (m)	<u>21.0</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>7.0</u>	Banktop height (m)	<u>4.0</u>
Embanked height (m)	Water depth (m)	<u>0.30</u>	Embanked height (m)	<u>7.50</u>

If bankline lower than banktop break in slope, indicate: height (m) = 1.0 width (m) = 11.0

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide (riparian) zone)**

None  Number of Culverts = 1 Weirs = 1 Outfalls = 0 Ponds = 0  
 Footbridges = 0 Roadbridges = 0 Other = 0

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**N. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide (riparian) zone)**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**O. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide (riparian) zone)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide (riparian) zone)**

Is 33% or more of the channel choked with vegetation? NO  YES

**Q. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide (riparian) zone)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle, Rhododendron bracken

**R. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide (riparian) zone)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - silt - other? = land drainage  
 Land Management: set-back - buffer strip - headland - shade-wood land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - minx - water vole - kingfisher - dipper - grey wren - sand martin - bream - dragonflies/damselflies

Other significant observations: Removal of embankment near, shallow flow, and grass, used that area. Note that across river to create a run of bank can be high.

**S. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide (riparian) zone)**

Alders: None  Present  Extensive  Overcast Alders? None  Present  Extensive



**1996 RIVER HABITAT SURVEY - IFE FORM for plant genera and coding** Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B FIELD SURVEY DETAILS**

Reference network site number: 6626  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: \_\_\_\_\_ River: WELLAND  
 Date: 1/5/1996 Time: 8:40 Surveyor name: C. COLUCCI Accreditation code: 1710

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph - general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles \_\_\_\_\_ Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS** Page 2 of 4

TALLY (use IFE) for - Rifles Pools Unveg. side bars Veg point bars

**E PHYSICAL ATTRIBUTES (tick if observed across channel within 5m wide transect) - one entry only (1-10)**

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> - TICK if functional fence										
Material <u>NY, AO, RO, CO, CE, EA, FL, CL, CC, SF, WF, CL, BR, BR, BR</u>	RR	RR	EA							
Bank modification(s) <u>NE, NO, RS, RI, FC, BR, BR, BR</u>	RI	RI	NO							
Bank feature(s) <u>NY, AO, EC, SC, PR, VP, SB, VS</u>	NO	NO	SC	SC	SC	NO	CC			
<b>CHANNEL</b> - TICK if functional fence										
Channel substrate <u>NY, BR, RO, CO, CE, EA, FL, CL, CC, SF, WF, CL, BR, BR, BR</u>	SI									
Substrate shape <u>FL, OV, EL, SF, CE, FO, DL, Others - note</u>	NO									
Flow type <u>FF, CH, BR, UN, CF, RP, UP, SH, NP, ND</u>	NP									
Channel modification(s) <u>NE, NO, EV, RS, RI, DM, FO</u>	FO									
Channel feature(s) <u>NY, AO, RO, RS, VE, BR, BR</u>	NO									
<b>RIGHT BANK</b> - TICK if functional fence										
Material <u>NY, AO, RO, CO, CE, EA, FL, CL, CC, SF, WF, CL, BR, BR, BR</u>	RR									
Bank modification(s) <u>NE, NO, RS, RI, FC, BR, BR, BR</u>	RI									
Bank feature(s) <u>NY, AO, EC, SC, PR, VP, SB, VS</u>	NO									

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, NH, SC, TH, RP, AG, DL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU									
LEFT BANK TOP (structure within 1m) <u>BR, SC</u>	U									
LEFT BANK FACE (structure) <u>BR, SC</u>	B									
RIGHT BANK FACE (structure) <u>BR, SC</u>	B									
RIGHT BANK TOP (structure within 1m) <u>BR, SC</u>	U									
LAND USE WITHIN 5m OF BANK TOP (R)	TL									

**G CHANNEL VEGETATION TYPES (10m wide transect) - (tick appropriate box(es))**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens	<u>C, CYCERIA</u>									
Emerg broad-leaved herbs	<u>ALC, P, E</u>									
Emerg reeds/sedges/rushes	<u>P, Q, N, C, M, I, T, S</u>									
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

**1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES** Page 3 of 4

**H CHANNEL DIMENSIONS (10m wide transect)**

LEFT BANK	Banktop width (m)	<u>4.5</u> (D)	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>4.0</u> (D)	Banktop height (m)	<u>0.75</u>
Embanked height (m)	Water depth (m)		Embanked height (m)	<u>2</u>

If trashes lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width(m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**I ARTIFICIAL FEATURES (tick appropriate box(es))**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**J EVIDENCES OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**K FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brashed/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**L CROOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**M NOTABLE NUISANCE PLANT SPECIES (tick appropriate box(es))**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle, Rhododendron bracken

**N OVERALL CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: None

**O ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Disturbed Alders? None  Present  Extensive

**1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES** Page 4 of 4

**P PREVALENCE OF TREES AND ASSOCIATED FEATURES (tick one box per bank)**

TREES	Left		Right		ASSOCIATED FEATURES (tick one box per feature)	
	None	Present	None	Present	None	Present
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
					Coarse woody debris	<input type="checkbox"/>

**Q CHANNEL CHARACTERISTICS (tick one box)**

CHANNEL CHARACTERISTICS	None		Present	
	None	Present	None	Present
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Roll(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Marginal deadwater  Exposed bedrock  Exposed boulders  Unvegetated mid-channel bar(s)  Vegetated mid-channel bar(s)  Mature island(s)  Unvegetated side bar(s)  Vegetated side bar(s)

Indicate predominant flow sequence (select up to three features): NO PRECEPT



1996 RIVER HABITAT SURVEY WITH IFE AND IFC PLANT GENERA AND CHECKS Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6628  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: \_\_\_\_\_ River: NORTH LEVEL DRAW  
 Date 15.11.1996 Time: 13.35 Surveyor name: G. ILLIOTT Accreditation code: \_\_\_\_\_  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIPPLES, POOLS AND POINT BARS (indicate total number)**

Ripples \_\_\_\_\_ Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (use IFE) for: Riffles \_\_\_\_\_ Pools \_\_\_\_\_ Unveg. side bars \_\_\_\_\_ Veg point bars \_\_\_\_\_

**B. PHYSICAL ATTRIBUTES**

Spot check 1 is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material <u>NY, AE, BO, CO, CS, EA, FE, CL, CC, SP, WF, GA, BA, RB, RW</u>	CA									
Bank modification(s) <u>NE, NO, AS, BS, FC, BM, EM</u>	RS									
Bank feature(s) <u>NY, NO, EC, SC, PB, SP, SB, VS</u>	NC									
<b>CHANNEL</b>										
Channel substrate <u>NY, BE, BO, CO, GP, BA, B, CL, PL, EA, R</u>	SI									
Substrate shape <u>FL, OV, EL, SP, CU, PO, DR, OTHER</u>	SA									
Flow type <u>FT, CH, LW, LW, CT, AP, UT, DP, HP, HO</u>	NP									
Channel modification(s) <u>NE, NO, AS, BS, FC, BM, EM</u>	ND									
Channel feature(s) <u>NY, NO, AS, BS, FC, BM, EM</u>	ND									
<b>RIGHT BANK</b>										
Material <u>NY, AE, BO, CO, CS, EA, FE, CL, CC, SP, WF, GA, BA, RB, RW</u>	ED									
Bank modification(s) <u>NE, NO, AS, BS, FC, BM, EM</u>	RS									
Bank feature(s) <u>NY, NO, EC, SC, PB, SP, SB, VS</u>	ND									
LAND USE WITHIN 5m OF BANKTOP (L)	FL									
LEFT BANK-TOP (structure within 1m)	U									
LEFT BANK FACE (structure)	S									
RIGHT BANK FACE (structure)	U									
RIGHT BANK-TOP (structure within 1m)	U									
LAND USE WITHIN 5m OF BANK TOP (R)	FL									
NONE	PLANT GENERA - list last 5									
Bryophytes/lichens	<u>11</u>									
Emerg broad-leaved herbs	<u>6</u>									
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES Page 4 of 4

**I. CHANNEL DIMENSIONS (to be measured at one site on a straight section, preferably below a riffle)**

LEFT BANK	Banktop width (m)	<u>28.0</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>18.0</u>	Banktop height (m)	<u>2.0</u>
Embanked height (m)	Water depth (m)		Embanked height (m)	

If threshold lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (coarse)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**II. ARTIFICIAL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Ferds = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**III. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? Static

**IV. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**V. CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**VI. NOTABLE NUISANCE PLANT SPECIES (use I or E or C - 21% height) IFE has LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  Nettle/Rhododendron bracken

**VII. COVER AND BANK CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overexcavating - afforestation - fisheries management - siltation - other? \_\_\_\_\_

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: \_\_\_\_\_

**VIII. ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

6628

Indicate predominant flow sequence (select up to three features): \_\_\_\_\_

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and forcing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6629  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River MIDDLE MAIN DRAIN - GREAT CREEK  
 Date 7/16/1996 Time: 12:30 Surveyor name G. J. ... Accreditation code P. ...

Adverse conditions affecting survey? No  Yes  If yes, state

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles Unvegetated point bars  
 Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE) for Riffles Pools Unveg. side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within 5m wide transects) - one entry only**

Spot check 1 is upstream  downstream

Spot check	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>	TICK if functional fence									
Material <sup>NY,AL,BO,CO,GE,EA,FE,CL,OC,SP,VP,CL,RR,RL,RP</sup>	EA									
Bank modification(s) <sup>NE,NO,RS,RI,PC,BM,EM</sup>	RS									
Bank feature(s) <sup>NY,NO,EC,SC,FR,VP,SR,VS</sup>	EC	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b>	NEW									
Channel substrate <sup>NY,AL,BO,CO,GE,EA,FE,CL,OC,SP,VP,CL,RR,RL,RP</sup>	SI									
Substrate shape <sup>FL,OV,EL,SP,OU,PO,DR,Others:none</sup>	NO									
Flow type <sup>FF,CH,AW,UN,CF,SP,UP,SM,SP,NO</sup>	SM									
Channel modification(s) <sup>NE,NO,RS,RI,PC,BM,EM</sup>	NO									
Channel feature(s) <sup>NY,NO,EC,SC,FR,VP,SR,VS</sup>	NO									
<b>RIGHT BANK</b>	TICK if functional fence									
Material <sup>NY,AL,BO,CO,GE,EA,FE,CL,OC,SP,VP,CL,RR,RL,RP</sup>	EA									
Bank modification(s) <sup>NE,NO,RS,RI,PC,BM,EM</sup>	RS									
Bank feature(s) <sup>NY,NO,EC,SC,FR,VP,SR,VS</sup>	VS	SR	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CF, DR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU									
LEFT BANK-TOP (structure within 1m) <sup>BU/SC</sup>	U									
LEFT BANK FACE (structure) <sup>BU/SC</sup>	U									
RIGHT BANK FACE (structure) <sup>BU/SC</sup>	U									
RIGHT BANK-TOP (structure within 1m) <sup>BU/SC</sup>	U									
LAND USE WITHIN 5m OF BANK TOP (R)	SU									

**G CHANNEL VEGETATION (BU/SC) (tick one box, or tick (present) 50m transect)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens <sup>11 samples</sup>

Emerg broad-leaved herbs										
Emerg roots/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 1996 RIVER HABITAT SURVEY 2001

**C LAND USE WITHIN 5m OF BANKTOP (L)**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CF)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs / rank vegetation (TH)			Suburban/urban development (SU)	E	E

**D ARTIFICIAL/MODIFIED**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Recessed	E	E
Vertical + toe			Reinforced - whole bank		
Sloep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments	E	E

**E PRESENT OF TREES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>33%)
None	✓	✓	Shading of channel	✓	✓
Isolated/scattered	✓	✓	Overhanging boughs	✓	✓
Regularly spaced, single	✓	✓	Exposed bankside roots	✓	✓
Occasional clumps	✓	✓	Underwater tree roots	✓	✓
Semi-continuous	✓	✓	Fallen trees	✓	✓
Continuous	✓	✓	Coarse woody debris	✓	✓

**F CHANNEL DIMENSIONS AND INFLUENCES**

Banktop width (m)	75.0	RIGHT BANK	Banktop height (m)	4.0	
Banktop height (m)	5.0	Water width (m)	55.0	Banktop height (m)	4.0
Embanked height (m)	5.0	Water depth (m)		Embanked height (m)	5.0

If trouble line lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**G EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State

**H FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**I CHOKED CHANNEL (tick one box)**

Is 15% or more of the channel choked with vegetation? NO  YES

**J UNDESIRABLE NUISANCE PLANT SPECIES USE (tick appropriate box(es))**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**K MAJOR IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - afforestation - fisheries management - siltation - other? = LAND DRAINAGE

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

**L ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

**L CHANNEL DIMENSIONS AND INFLUENCES**

Banktop width (m)	75.0	RIGHT BANK	Banktop height (m)	4.0	
Banktop height (m)	5.0	Water width (m)	55.0	Banktop height (m)	4.0
Embanked height (m)	5.0	Water depth (m)		Embanked height (m)	5.0

If trouble line lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**G EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State

**H FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**I CHOKED CHANNEL (tick one box)**

Is 15% or more of the channel choked with vegetation? NO  YES

**J UNDESIRABLE NUISANCE PLANT SPECIES USE (tick appropriate box(es))**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**K MAJOR IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - afforestation - fisheries management - siltation - other? = LAND DRAINAGE

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:

**L ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and features Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6630  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: TF607178 River: NAR  
 Date: 30/1/1996 Time: 09:40 Surveyor name: G. COLLETT Accreditation code: P.L.V.C.  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles: 5 Unvegetated point bars:  
 Pools: Vegetated point bars:

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use IFE) for: Riffles  Pools  Unveg. side bars  Veg. point bars

**B: PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - 10m wide transect only**

Spot check 1 is: upstream  downstream

LEFT BANK	TICK if functional fence	1	2	3	4	5	6	7	8	9	10
Material <small>NY, NE, NO, CO, CS, EA, PE, CL, CC, SP, WP, GA, BA, RW, SW</small>		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <small>NE, NO, BA, RP, PC, BA, EM</small>		RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <small>NY, NO, EC, SC, PB, VP, SB, VS</small>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL <small>NEW - indicate shape codes</small>		SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Channel substrate <small>NY, NE, NO, CO, CP, SA, SI, CL, PL, AR</small>		SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape <small>FL, OV, EL, SP, CU, PO, BR, OTHER - name</small>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type <small>FF, CH, SW, UN, CT, RP, SM, NP, NO</small>		SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) <small>NE, NO, EV, BA, RP, BA, FO</small>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <small>NY, NO, BA, RP, VP, SB, VS</small>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	TICK if functional fence										
Material <small>NY, NE, NO, CO, CS, EA, PE, CL, CC, SP, WP, GA, BA, RW, SW</small>		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <small>NE, NO, BA, RP, PC, BA, EM</small>		RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <small>NY, NO, EC, SC, PB, VP, SB, VS</small>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, DR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RF	RP	RF	RP	RF	RP	RF	RP	RF
LEFT BANK-TOP (structure within 1m) BAUS/C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BAUS/C	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BAUS/C	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) BAUS/C	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RF	RP	RF	SU	SU	RP	SU	SU	SU

**G CHANNEL VEGETATION TYPES (10m wide transect: list 31% areas or tick (present) 50m wide transect)**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	ALGAE									
Emerg broad-leaved herbs	RANUNCULUS									
Emerg reeds/sedges/rushes	SPARGANIUM	✓								
Floating-leaved (rooted)										
Free-floating										
Amphibious									✓	✓
Submerged broad-leaved										
Submerg fine/linear-leaved		✓	✓	✓	✓	✓	✓	✓	✓	✓
filamentous algae		E	E	E	E	E	E	E	E	E

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 3 of 4

**A CHANNEL DIMENSIONS (10m wide transect)**

LEFT BANK	Banktop width (m)	14.0	RIGHT BANK
Banktop height (m)	3.0m	Water width (m)	7.0
Embanked height (m)	2.0m	Water depth (m)	0.35
		Banktop height (m)	2.25
		Embanked height (m)	2.0

If trashing lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**B CHANNEL FEATURES**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other = ARTIFICIAL FISH REFUGES  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**C EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State:

**D FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**E CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**F NOTABLE NUISANCE PLANT SPECIES (tick appropriate box(es))**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? *Veronica sp.*

**G CHANNEL CHARACTERISTICS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining (quarrying) - overstocking - afforestation - fisheries management - silting - other? = adjacent  
 Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = GRAVEL PIT  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Other significant observations:

**H ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

**A SITE NO.**

**B BANKTOP LAND USE WITHIN 5m OF BANKTOP (L)**

	L	R	L	R
Broadleaf/mixed woodland (BL)				
Coniferous plantation (CP)				
Orchard (OR)			E	E
Moorland/heath (MH)				
Scrub (SC)				
Tall herbs - rank vegetation (TH)				E
Rough pasture (RP)				
Improved/semi-improved grass (IG)				
Tilled land (TL)				
Wetland (eg bog, marsh, fen) (WL)				
Open water (OW)				
Suburban/urban development (SU)				

**C CHANNEL VEGETATION TYPES (10m wide transect: list 31% areas or tick (present) 50m wide transect)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/wadest			Recessed	✓	✓
Vertical + toe			Reinforced - whole bank		
Sloped (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		E
			Set-back embankments		E

**D PERCENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (> 33%)
None	✓	✓	Shading of channel	✓	✓
Isolated/scattered	✓	✓	Overhanging boughs	✓	✓
Regularly spaced, single	✓	✓	Exposed bankside roots	✓	✓
Occasional clumps	✓	✓	Underwater tree roots	✓	✓
Semi continuous	✓	✓	Fallen trees	✓	✓
Continuous	✓	✓	Coarse woody debris	✓	✓

**E PERCENT OF VEGETATED BANKTOP**

	None	Present E (> 33%)
Waterfall(s)	✓	✓
Cascades(s)	✓	✓
Rapids(s)	✓	✓
Riffle(s)	✓	✓
Run(s)	✓	✓
Pool(s)	✓	✓
Marginal deadwater	✓	✓
Exposed bedrock	✓	✓
Exposed boulders	✓	✓
Unvegetated mid-channel bar(s)	✓	✓
Vegetated mid-channel bar(s)	✓	✓
Mature island(s)	✓	✓
Unvegetated side bar(s)	✓	✓
Vegetated side bar(s)	✓	✓

Indicate predominant flow sequence (select up to three features):  
 Riffle - Run

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6631  
 Mid-site grid reference of network site if different from designated location:  
 100y SW on PARALLEL CHANNEL - ORIGINAL CHANNEL NO LONGER EXISTS

Grid Reference: TF70 17 River: MIDDLETON STOP DRAIN  
 Date 21/1/1996 Time: 15:00 Surveyor name G. COLLETT Accreditation code PF10

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (If U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 4 Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

TALLY (use dot) for Riffles |||| Pools \_\_\_\_\_ Unveg. side bars 4 Veg point bars \_\_\_\_\_

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)**

Spot check 1 is: upstream  downstream

LEFT BANK	TICK if functional fence	1	2	3	4	5	6	7	8	9	10
Material (VY, BE, RO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RW)		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE, NO, JS, RI, PC, BM, EM)		RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (NY, NO, EC, SC, PE, VP, SB, VS)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL** (NEW, Submerged, Partially Choked, Fully Choked, Other)

Channel substrate (NY, BE, RO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RW)	SI	SI	SI	SE	SI	SI	SI	GP	GP	GP	GP
Substrate shape (FL, OV, EL, SP, CU, PO, DR, Other)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type (FF, CH, SW, UN, CF, RP, UP, SM, RP, NO)	RF	SM	SH	SH	SM	SM	SM	RP	SM	RP	RP
Channel modification(s) (NE, NO, JS, RI, PC, BM, EM)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (NY, NO, EC, SC, PE, VP, SB, VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK** TICK if functional fence

Material (VY, BE, RO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RW)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE, NO, JS, RI, PC, BM, EM)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (NY, NO, EC, SC, PE, VP, SB, VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OH, MH, SC, TH, RP, NG, PL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	BL	BL
LEFT BANK-TOP (structure within 1m) (BU, SC)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) (BU, SC)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) (BU, SC)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) (BU, SC)	B	B	B	B	B	B	B	B	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	BL	BL

**G CHANNEL VEGETATION TYPES (tick appropriate box(es) or tick (green) for (green) or tick (brown) for (brown))**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens	ALGAE										
Emerg broad-leaved herbs	ARUM										
Emerg reeds/sedges/rushes	CASS										
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerg fine/linear-leaved											
Filamentous algae											

**H HABITAT SURVEY**

**I LAND USE AND VEGETATION**

Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs / wet vegetation (TH)			Suburban/urban development (SU)		

**J NATURAL / MODIFIED**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reconciled		E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Scallop			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**K LIST OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	ASSOCIATED FEATURES (tick one box per feature)
None <input type="checkbox"/>	Shading of channel <input type="checkbox"/>
Isolated/scattered <input type="checkbox"/>	Overhanging boughs <input type="checkbox"/>
Regularly spaced, single <input type="checkbox"/>	Exposed bankside roots <input type="checkbox"/>
Occasional clumps <input type="checkbox"/>	Underwater tree roots <input type="checkbox"/>
Semi-continuous <input type="checkbox"/>	Fallen trees <input type="checkbox"/>
Continuous <input type="checkbox"/>	Coarse woody debris <input type="checkbox"/>

**L CHANNEL CHARACTERISTICS**

Waterfall(s) <input type="checkbox"/>	Marginal deadwater <input type="checkbox"/>
Cascade(s) <input type="checkbox"/>	Exposed bedrock <input type="checkbox"/>
Rapid(s) <input type="checkbox"/>	Exposed boulders <input type="checkbox"/>
Riffle(s) <input type="checkbox"/>	Unvegetated mid-channel bar(s) <input type="checkbox"/>
Run(s) <input type="checkbox"/>	Vegetated mid-channel bar(s) <input type="checkbox"/>
Pool(s) <input type="checkbox"/>	Mature island(s) <input type="checkbox"/>
Slide(s) <input type="checkbox"/>	Unvegetated side bar(s) <input type="checkbox"/>
Foot(s) <input type="checkbox"/>	Vegetated side bar(s) <input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RIFFLE - LOW

**1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES** Page 3 of 4

**A CHANNEL DIMENSIONS (to be assessed at one riffle or other suitable location)**

LEFT BANK	Banktop width (m)	4.0	RIGHT BANK	
Banktop height (m)	Water width (m)	0.75	Banktop height (m)	1.4
Embanked height (m)	Water depth (m)	0.05	Embanked height (m)	

If bankline lower than banktop break in slope, indicate: height (m) = width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**B SPECIAL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = 2 Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**C EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State (MUNICIPAL SERVICE) \_\_\_\_\_

**D FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**E CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**F QUANTIFIABLE NUISANCE PLANT SPECIES (use 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**G GENERAL CHARACTERISTICS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other \_\_\_\_\_  
 Land Management: set-aside - buffer strip - bendland - abandoned land - parkland - MoD - other? = AGRICULTURAL RUNOFF  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Other significant observations: HARES

**H ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive









**BACKGROUND MAP BASED INFORMATION**

Reference network site number: **6635**

Did we find reference of network site if different from designated location

Grid Reference **Ty172 III** River: **TUD**

Date **5/7/1996** Time **06:55** Surveyor name **P. LeBlond** Accreditation code **PF35**

Adverse conditions affecting survey? No  Yes  If yes, state

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph general character? No  Yes  (tick one box)  
(duplicate will be made by scanning)  
and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

**DOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl  
(if U-shaped glacial valley add "U")

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIFLES POOLS SAND POINTS (tick one box only)

Rifles **2** Unvegetated point bars

Pools  Vegetated point bars

AND COMPLETED FORMS WHEEL plus all water samples and expenses claims TO  
H. DAWSON, IFE RIVER LABORATORY, EAST STOKE, WARRERAN, BR 10 688

**LAND USE WITHIN 50m OF BANK TOP (L)**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE WITHIN 50m OF BANK TOP (R)**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE WITHIN 50m OF BANK TOP (L)**

TH	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK TOP (structure within 1m) SUVC	S	S	U	U	U	U	U	U	U
LEFT BANK FACE (structure) SUVC	S	U	U	S	B	S	S	B	S
RIGHT BANK FACE (structure) SUVC	S	S	U	S	C	S	S	E	C
RIGHT BANK TOP (structure within 1m) SUVC	S	S	U	U	C	C	C	S	C
LAND USE WITHIN 50m OF BANK TOP (R)	SL	BL	TH	TH	RP	RP	RP	SU	SU

**DIAGNOSTIC RELATION CODES (tick one box)**

NONE	PLANT GENERAL	LA	LA	S
Bryophytes/lichens	/	/	/	/
Emergent broad-leaved herbs	/	/	/	/
Emergent reeds/sedges/rushes	/	/	/	/
Floating leaves (rooted)	/	/	/	/
Fresh-water	/	/	/	/
Amphibious	/	/	/	/
Submerged broad-leaved	/	/	/	/
Submerged float/leafy-leaved	/	/	/	/
Filamentous algae	/	/	/	/

**SITE NO 6635**

Material	L	R	Artificial/modified	L	R
Structuralized smoothed (RL)		/	Rough pasture (RP)	E	E
Terrestrial plantation (TP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Orch (OC)			Open water (OW)		
Wet heath, reed vegetation (TH)			Suburban/urban development (SU)		/

**NATURAL/ARTIFICIAL/MODIFIED**

Material/modified	L	R	Artificial/modified	L	R
critical + low	/	/	Reinforced - whole bank	/	/
scarp (> 45°)	/	/	Reinforced - top only	/	/
Grade	/	/	Reinforced - toe only	/	/
artificial	/	/	Artificial two-stage	/	/
			Poached	/	/
			Embanked	/	/
			Set back embankments	/	/

**TREES (tick one box per bank)**

Name	Left	Right	Associated Features	Name	Present E (%)
Uniform/mixed	/	/	Shading of channel		/
Regularly spaced, single	/	/	Overhanging branches		/
Occasional clumps	/	/	Exposed bankside roots		/
Scrub continuous	/	/	Underwater tree roots		/
Continuous	/	/	Fallen trees		/
	/	/	Coarse woody debris		/

**WATERBODIES AND ASSOCIATED FEATURES**

Name	Present E (%)	Name	Present E (%)
Marginal ditchwater	/	Exposed bedrock	/
Exposed bedrock	/	Exposed boulders	/
Exposed boulders	/	Ungrazed and channel bank(s)	/
Ungrazed and channel bank(s)	/	Vegetated and channel bank(s)	/
Vegetated and channel bank(s)	/	Mature ulmus(s)	/
Mature ulmus(s)	/	Unvegetated side bank(s)	/
Unvegetated side bank(s)	/	Vegetated side bank(s)	/
Vegetated side bank(s)	/		

Indicate predominant flow sequence (select up to three features)

**6635 RIVER HABITAT SURVEY DIMENSIONS AND FINDINGS**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	4.5	RIGHT BANK	
Banktop height (m)	Water width (m)	4.0	Banktop height (m)	0.75
Embanked height (m)	Water depth (m)	0.50	Embanked height (m)	

If embankment lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)   unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION FEATURES**

None  Number of Culverts = Weirs = Outfalls = Fords =  
Footbridges = Other =

In water impounded by weirs? No  Yes, <33% of site  >33% of site

**COVERAGE OF BANK AND CHANNEL**

None  Overhanging  Mowing  Wood cutting   
Enhancement  Other? Stuck

**QUALITY OF LOCAL WATERS**

Name

Waterfalls > 5m high  Artificial open water  Bog  Other (state)

Brick/ditch channels  Natural open water  Carr

Debris dams  Water meadow  Marsh

Loose debris  Foss  Flash

**PROTECTED CHANNELS**

Is 11% or more of the channel choked with vegetation? NO  YES

**PROBABLE BENTHIC INHABITANTS**

None  Oat Hopweed  Hairywax Balm  Lignose Encrusted  Other? Nettle Rhododendron bracken

**RECORD OF HUMAN INTERFERENCE**

Major impacts: landfill  tipping  litter  storage  pollution  drought  abstraction  mill  dam  road  rail  industry  housing  mining  quarrying  archaeology  afforestation  suburban development  other

Land Management: set aside  buffer strip  broadland  abandoned lead  parkland  MOD other?

Animals: other seal  water vole  fish  dipper  grey heron  sand martin  heron  dragonfly  damselfly

Other significant observations: *These young along edge of C.B. with pink and black catkins. rank along bank of P.B. (hence SU).*

Address: Name  Present  Former  Deceased Address: Name  Present  Former

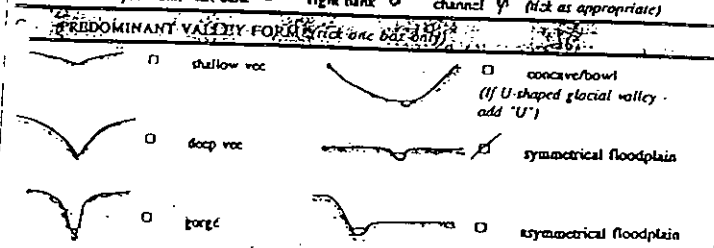
Reference network use number: 6636  
 Mid use and reference of network use if different from designated location

Grid Reference: T8 226176 River:  
 Date: 19/9/1996 Time: 14:15 Surveyor name: P. Sandlett Accreditation code: P1-35

Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box) 2 holes  
 and, as required, special feature? No  Yes  (tick one box) 2 holes

Site surveyed from: left bank  right bank  channel  (tick as appropriate)



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Number of riffles, pools and point bars (circle all that apply)  
 Riffles: Unvegetated point bars  
 Pools: Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 DR. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

6636 RIVER VALLEY FORMS (PAGE 2 OF 4)  
**LAND USE WITHIN 5m OF BANKTOP (Use E for 10m banktop if of all previous)**

	L	R		L	R
Woodland - woodland (WL)			Rough pasture (RP)		
Urban (UR)			Improved/well-maintained grass (IG)	E	
Arable (AR)			Tilled land (TL)	E	E
Wetland (W)			Wetland (eg bog, marsh, fen) (W)		
Open water (OW)	E		Open water (OW)		
Substrate/rock development (SU)			Substrate/rock development (SU)		

**NUMBER OF RIFFLES, POOLS AND POINT BARS (circle all that apply)**

	L	R		L	R
Artificial/modified			Recreated		
Recreated			Recreated - whole bank		
Recreated - top only	E		Recreated - toe only		
Artificial two-stage			Artificial two-stage		
Poached			Poached		
Embanked			Embanked		
Set-back embankments			Set-back embankments		

**EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per feature)**

TREES (tick one box per band)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (> 1%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Very continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	None	Present E (> 1%)		None	Present E (> 1%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scour(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scrap(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gravel(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mud channel bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Silt(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mud channel bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Stones	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature channel(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated silt bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated silt bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Predominant flow sequence (select up to three features)

**CHANNEL DIMENSIONS**

	1	2	3	4	5	6	7	8	9	10
Channel substrate	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Substrate shape	NA	NA	IR	NA	IR	NA	IR	IR	IR	IR
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE WITHIN 5m OF BANKTOP (L)**

	TL	TL	IS	IS	SU	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) BANC	S	S	S	S	S	S	S	C	S
LEFT BANK FACE (structure) BANC	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BANC	C	S	S	S	B	S	U	U	U
RIGHT BANK-TOP (structure within 1m) BANC	S	S	S	S	S	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	BL	SC	BL	TL	TL	TL

**VEGETATION TYPES**

	1	2	3	4	5	6	7	8	9	10
None										
Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent reed/sedge/rushes										
Flowering reed (matted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged free-floating										
Filamentous algae										

1996 RIVER ABILITY SURVEY - DIMENSIONS AND INFLUENCES. PAGE 4 OF 4

**CHANNEL DIMENSIONS**

	Left Bank	Right Bank
Banktop width (m)	3.0	3.0
Banktop height (m)	1.5	1.5
Embanked height (m)	0.5	0.5

If trapezoidal then banktop break in slope, indicate: height (m) = width (m) =  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  rap or glide  other  (tick one box)

**NUMBER OF CHANNELS**

None  Number of Channels = 1  
 Forks = 0  
 Water = 0  
 Roadbridges = 0  
 Other = 0  
 Is water impounded by weirs/dams? No  Yes, < 1% of site  > 1% of site

**EVIDENCE OF HUMAN INTERFERENCE**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State: \_\_\_\_\_

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Broadened/active channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foss  Flush

Is 1% or more of the channel choked with vegetation? NO  YES

**POTENTIAL RISK OF LANDSLIDES**

None  Great  High  Medium  Low  Other? State: \_\_\_\_\_

**RYE GRASS CHARACTERISTICS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - spill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - other? \_\_\_\_\_

Lead Management: set back - buffer strip - woodland - abandoned land - parkland - MoD - other? \_\_\_\_\_

Animals: none - mud - water vole - waterfowl - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly - other? \_\_\_\_\_

**S. ALDERS (tick appropriate box(es))**

None  Present  Other? State: \_\_\_\_\_

Reference network site number: 1137  
 And use grid reference of network site if different from designated location

Grid Reference: Q 372172 River: ANT  
 Date: 19/11/1996 Time: 16.00 Surveyor name: P. Kelt Accreditation code: PF35

Adverse conditions affecting survey? No  Yes  If yes, state

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIFLES POOLS AND POINT BARS (indicate total number)

Rifles: Unvegetated point bars

Pools: Vegetated point bars

NO COMPLETED FORMS WELLET plus all water samples and expenses claims TO H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, BH20 6BB

LAND USE WITHIN 50m OF BANKTOP (U)

TH	I1	I2	I3	I4	I5	I6	I7	I8	I9	I10
U	U	U	U	U	U	U	U	U	U	U

LEFT BANK TOP (structure within 5m) BASIC: U U U U U U U U U U

LEFT BANK FACE (structure) BASIC: U U U U U U U U U U

RIGHT BANK FACE (structure) BASIC: U U U U U U U U U U

RIGHT BANK TOP (structure within 5m) BASIC: U U U U U U U U U U

LAND USE WITHIN 50m OF BANK TOP (R)

TH	I1	I2	I3	I4	I5	I6	I7	I8	I9	I10
U	U	U	U	U	U	U	U	U	U	U

CHANNEL VEGETATION TYPES (tick one box)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emergent broad leaved herbs										
Emergent reeds and grasses										
Flowering tall reed (reed)										
Free floating										
Amphibious										
Submerged broad leaved										
Submerged fine leaved										
Filamentous algae										

LAND USE WITHIN 50m OF BANKTOP (tick one box)

L	R	L	R
Suburban - residential (SU)		Rough pasture (RP)	
Coastal plantation (CP)		Improved/mixed improved grass (IG)	
Orchard (OR)		Tilled land (TL)	
Woodland (WH)		Wetland (eg bog, marsh, fen) (WL)	
Open water (OW)		Open water (OW)	
Tall herb/ reed vegetation (TH)		Suburban/urban development (SU)	

Artificially modified

L	R	L	R
Unmodified		Reinforced	
Reinforced - whole bank		Reinforced - top only	
Reinforced - toe only		Reinforced - toe only	
Artificial two-stage		Patched	
Embanked		Set back embankments	

METHOD OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

None	Left	Right	None	Percent E (≥ 11%)
			Shading of channel	
			Overhanging boughs	
			Exposed bankside roots	
			Underwater tree roots	
			Fallen trees	
			Coarse woody debris	

ASSOCIATED FEATURES (tick one box per feature)

None	Percent E (≥ 11%)

WATERFALLS

None	Percent E (≥ 11%)

THE PREDOMINANT TREE SPECIES (select up to three features)

CHANNEL DIMENSIONS (tick one box)

LEFT BANK	Banktop width (m)	2.0	RIGHT BANK	Banktop height (m)	0
Banktop height (m)	0.50	Water width (m)	2.6	Banktop height (m)	0
Embanked height (m)	2.0	Water depth (m)	NK	Embanked height (m)	2

If width is lower than banktop width on slope, indicate: width (m) = width(m) \* cos(theta)

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

MARGINAL VEGETATION (tick one box)

None  Number of Cuttings =  Weirs =  Outfalls =  Fords =   
 Footbridges =  Roadbridges =  Other =

Is water impounded by weir/dam? No  Yes, < 11% of site  > 11% of site

EVIDENCE OF RECENT LANDSLIDES (tick one box)

None  Dredging  Moving  Weed cutting   
 Enhancement  Other:  Silt

FEATURES OF SPECIAL INTEREST (tick one box)

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Bankside channels  Natural open water  Carr   
 Debris dams  Water meadows  Marsh   
 Leafy debris  Foss  Flats

CHOKED CHANNELS (tick one box)

Is 11% or more of the channel choked with vegetation? NO  YES

PROBABLE REASON FOR CHOKING (tick one box)

None  Giant Hogweed  Humulus Salicis  Japanese Knotweed  Other?  (tick one box)

MAJOR IMPACTS (tick one box)

None  Landfill  Slipping  Water storage  Pollution  Drought  Obstruction  Mill  Dam  Road  End of railway   
 Banning  Mining  Quarrying  Overdigging  Afforestation  Fisheries management  Mining  Other

LAND MANAGEMENT (tick one box)

None  Buffer strip  Hedgerow  Abandoned land (ruralised MoD)  Other

ANIMALS (tick one box)

None  Otter  Mink  Water vole  Freshwater crayfish  Grey squirrel  Badger  Mole  Water snake  Frog  Dragonfly  Damselfly

OTHER REPTILES/OBSTRUCTIONS

None  Other

5 ALDERS (tick one box)

None  Other





**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. GRID SURVEY DETAILS**

Reference network site number: 6639  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SH 624033 River: FATHEV  
 Date: 22/5/1996 Time: 11:45 Surveyor name: J. ARIEVE Accreditation code: PC 12

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIPPLES, POOLS AND POINT BARS (indicate total number)**

Ripples 8 Unvegetated point bars 0  
 Pools 3 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

FALLY (use JMF) for Riffles  Pools  Unveg side bars  Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if functional fence										
Material <u>WV, BE, BO, CO, GS, EA, PE, LC, CP, WP, GA, AR, SE, SW</u>	SA	CO	EA	EA	EA	EA	CO	EA	EA	EA
Bank modification(s) <u>NE, NO, RS, RI, PC, BM, EM</u>	EA	EA	EM	EM	EM	EM	EM	EM	EM	EM
Bank feature(s) <u>WV, NO, EC, SC, PB, VP, SB, VS</u>	NO	SB	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b> TICK if functional fence										
Material <u>WV, BE, BO, CO, GS, EA, PE, LC, CP, WP, GA, AR, SE, SW</u>										
Bank modification(s) <u>NE, NO, RS, RI, PC, BM, EM</u>										
Bank feature(s) <u>WV, NO, EC, SC, PB, VP, SB, VS</u>										

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TI, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP (structure within 1m) <u>BL/US/SC</u>										
LEFT BANK FACE (structure) <u>BL/US/SC</u>										
RIGHT BANK TOP (structure within 1m) <u>BL/US/SC</u>										
RIGHT BANK FACE (structure) <u>BL/US/SC</u>										

**G. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect) - tick (present) only**

NONE / PLANT GENERA - list first 5

	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/edges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. 6639 1996 RIVER HABITAT SURVEY - CHANNEL VEGETATION

**LAND USE WITHIN 5m OF BANKTOP**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Fall herbs' rank vegetation (TH)			Suburban/urban development (SU)		

**CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect) - tick (present) only**

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Scalloped			Reinforced - toe only		
Impoundment			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**TREES (tick one box per bank)**

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2.33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CHARACTERISTICS OF SPECIAL INTEREST (tick one box per feature)**

	None	Present E (2.33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>
Glides(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): LONG RIFFLE, RAPID.

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES Page 3 of 4

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<u>8.3</u>	RIGHT BANK	Banktop height (m)
Banktop height (m)	<u>0.8</u>	Water width (m)	<u>5.75</u>	Banktop height (m)
Embanked height (m)	<u>1.2</u>	Water depth (m)	<u>0.01</u>	Embanked height (m)

If trashline lower than banktop break in slope, indicate: height (m) = 0.8 width (m) = 5.75

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES**

None  Number of Culverts = 0 Footbridges = 1 Weirs = 1 Roadbridges = 1 Outfalls = 0 Fords = 0

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**RECENT CHANNEL MANAGEMENT**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State:

**OPERATURES OF SPECIAL INTEREST (tick one box per feature)**

None  Waterfalls > 5m high  Artificial open water  Bog  (Other state) WETLANDS  
 Brided/side channels  Natural open water  Carr  + side channel  
 Debris dams  Water meadow  Marsh  (see 10/11)  
 Leafy debris  Pea  Flush

**CHOKED CHANNELS (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**UNUSUAL PLANT SPECIES (tick one box per species)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Notch Rhododendron bracken

**MAJOR IMPACTS** headfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying (overdeposition) - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - bandland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Channel 3rd 3rd - soil: EM

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

**1996 RIVER HABITAT SURVEY** with IFE mods for plant genera and fencing. Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6640  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SH 783002 River: CREW1  
 Date 23/5/1996 Time: 13:00 Surveyor name: N. CRIVEL Accreditation code: PF12

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl  
 (If U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box only)**

Riffles 0 Unvegetated point bars 1  
 Pools 4 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY** TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE for - Riffles) Pools Uveg. bars Veg point bars

**I PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transect) - one entry only**

Spot check 1 is: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material <u>NY,AE,BO,CO,GS,RA,PE,CL,CC,SP,WF,GA,BA,BS,SW</u>	S	S	E	E	FA	BE	FA	BE	BE	SA
Bank modification(s) <u>NE,NO,RS,RI,PC,BA,EM</u>	N	O	S	O	N	O	N	O	N	O
Bank feature(s) <u>NY,NO,EC,SC,FP,VP,SB,VS</u>	N	O	N	O	N	O	N	O	N	O
<b>CHANNEL</b>										
Channel substrate <u>NY,AE,BO,CO,GS,RA,PE,CL,CC,SP,WF,GA,BA,BS,SW</u>	S	O	E	E	FA	BE	FA	BE	BE	SA
Substrate shape <u>FL,OV,CL,SP,CU,PO,RI,OR,OV,OV,OV</u>	N	O	N	O	N	O	N	O	N	O
Flow type <u>FF,CL,SW,UV,CI,RP,UP,SM,FP,NO</u>	N	O	N	O	N	O	N	O	N	O
Channel modification(s) <u>NE,NO,RS,RI,PC,BA,EM</u>	N	O	N	O	N	O	N	O	N	O
Channel feature(s) <u>NY,NO,EC,SC,FP,VP,SB,VS</u>	N	O	N	O	N	O	N	O	N	O
<b>RIGHT BANK</b> <input checked="" type="checkbox"/> TICK IF functional fence										
Material <u>NY,AE,BO,CO,GS,RA,PE,CL,CC,SP,WF,GA,BA,BS,SW</u>	S	S	E	E	FA	BE	FA	BE	BE	SA
Bank modification(s) <u>NE,NO,RS,RI,PC,BA,EM</u>	N	O	N	O	N	O	N	O	N	O
Bank feature(s) <u>NY,NO,EC,SC,FP,VP,SB,VS</u>	N	O	N	O	N	O	N	O	N	O

**E BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP (structure within 1m) <u>BU/S/C</u>										
LEFT BANK FACE (structure) <u>BU/S/C</u>										
RIGHT BANK FACE (structure) <u>BU/S/C</u>										
RIGHT BANK TOP (structure within 1m) <u>BU/S/C</u>										
LAND USE WITHIN 5m OF BANK TOP (R)										

**F CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

NONE / PLANT GENERA - list first 5

	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg broad leaved herbs										
Emerg roots/sedge/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

**SITE NO. 6640 1996 RIVER HABITAT SURVEY** with IFE mods for plant genera and fencing. Page 1 of 4

**I BANK AND BANKTOP LAND USE AND VEGETATION (to be assessed across channel within 1m wide transect)**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)	E		Improved/semi-improved grass (IG)	N	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' rank vegetation (TH)			Suburban/urban development (SU)		

**II CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Recessed		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**III PERCENT OF TREES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

	Left	Right
None	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Present E (≥ 33%)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Course woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**IV CHANNEL CHARACTERISTICS**

	None	Present E (≥ 33%)
Waterfall(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features): LOW RIFFLES, CASCADES-POOL

**1996 RIVER HABITAT SURVEY** DIMENSIONS AND INFLUENCES Page 1 of 4

**I CHANNEL DIMENSIONS (to be measured at site on a straight section of channel with a uniform bed)**

LEFT BANK	Banktop width (m)	<u>3.0</u>	RIGHT BANK
Banktop height (m)	<u>1.05</u>	Water width (m)	<u>5.3</u>
Embanked height (m)		Water depth (m)	<u>0.12</u>
		Embanked height (m)	

If traskline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**II CHANNEL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**III EVIDENCE OF BENTHIC MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State \_\_\_\_\_

**IV FEATURES OF SPECIAL INTEREST (to be assessed over a 10m wide transect)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pea  Flush

**V CHANNEL CHOKING (tick one box)**

Is 33% or more of the channel choked with vegetation? No  Yes

**VI CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**VII MAJOR IMPACTS (to be assessed over a 10m wide transect)**

Major impacts: landfill - tipping  sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Flow - low channel, extensive blockages

**VIII ALDERS (to be assessed over a 10m wide transect)**

Alders: None  Present  Extensive  Disturbed Alders? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

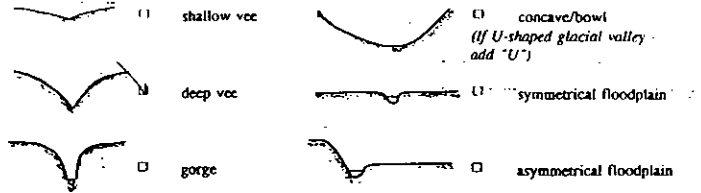
FIELD SURVEY DETAILS

Reference network site number: 6641  
 Mid-site grid reference of network site if differs from designated location:

Grid Reference: SH 888011 River: TWYMAN  
 Date: 24/5/1996 Time: 08:30 Surveyor name: N. FRIEVE Accreditation code: DC 12  
 Adverse conditions affecting survey? No  Yes  If yes, state: HEAVY OVERCAST RAIN

Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

D. NUMBER OF RIPPLES, POOLS AND POINT BARS (indicate total number)  
 Ripples: 4 Unvegetated point bars: 1  
 Pools: 1 Vegetated point bars: 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use IFE) for: Ripples Pools Unveg. side bars Veg point bars

B. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transects) - one entry only

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material (VA, BA, BO, CO, CS, EA, PE, CL, CC, SP, WY, GA, BR, AR, BW)	SA	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s) (NE, NO, NS, RI, FC, RM, EM)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (NY, NO, EC, SC, PB, VP, SB, VS)	SB									
Channel substrate (NV, BE, BO, CO, GP, SA, SL, CL, PEAR)	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Substrate shape (FL, OY, EL, SP, CU, PO, DR, Othert. none)	EL	EL	EL	EL	EL	EL	EL	EL	EL	EL
Flow type (SF, CH, SW, UN, CF, RF, UF, SM, SF, NO)	UF	UF	UF	UF	UF	UF	UF	UF	UF	UF
Channel modification(s) (NE, NO, NS, RI, FC, RM, EM)										
Channel feature(s) (NY, NO, BO, AR, VB, MI, TR)										

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TI, RP, IG, PL, WL, UM, SU

LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m) BU/SC										
LEFT BANK FACE (structure) BU/SC										
RIGHT BANK FACE (structure) BU/SC										
RIGHT BANK-TOP (structure within 1m) BU/SC										
LAND USE WITHIN 5m OF BANK TOP (R)										

G. CHANNEL VEGETATION TYPE (to be assessed over a 10m wide transect)

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/rushes/rubus										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO 6644 RIVER HABITAT SURVEY

A. LAND USE WITHIN 5m OF BANKTOP (to be assessed over a 10m wide transect)

	L	R		L	R
Broadleaved/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Crab (SC)			Open water (OW)		
All herbs' rank vegetation (TH)			Suburban/urban development (SU)		

B. CHANNEL DIMENSIONS AND INFLUENCES (to be assessed over a 10m wide transect)

Artificial/unmodified	L	R	Artificial/modified	L	R
critical/unobscured			Resealed		
critical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
cuttle			Reinforced - toe only		
composite			Artificial two-stage		
			Poached		
			Enhanced		
			Set back embankments		

C. PRESENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

D. CHANNEL CHOKED WITH VEGETATION

Is 33% or more of the channel choked with vegetation? NO  YES

E. CHANNEL STATUS AND INFLUENCES

None	Giant Hogweed	Himalayan Balsam	Japanese Knotweed	Other? Nettle Rhododendron bracken
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Caesalpin(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapids(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffles(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rim(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): LONG RIFLE/RIFLES

D. RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES

A. CHANNEL DIMENSIONS (to be measured at the banktop and/or bed, and/or at the water surface)

LEFT BANK	Banktop width (m)	14.75	RIGHT BANK		
Banktop height (m)	2.5	Water width (m)	9.5	Banktop height (m)	3.25
Embanked height (m)		Water depth (m)	0.4	Embanked height (m)	

If tracheal lower than banktop break in slope, indicate: height (m) = 1.05 width(m) = 0.8

B. WATER QUALITY AND VEGETATION

None  Number of Culverts = Footbridges = Weirs = Roadbridges = Outfalls = Fords =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

C. EVIDENCE OF BANK MANAGEMENT

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State:

D. OPERATIONAL OR ASSOCIATED FEATURES

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) ...  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh  (Ferry RD)  
 Leafy debris  Fen  Flush

E. CHOKED CHANNEL (to be assessed over a 10m wide transect)

Is 33% or more of the channel choked with vegetation? NO  YES

F. CHANNEL STATUS AND INFLUENCES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

G. MAJOR IMPACTS

Major impacts: landfill - tipping - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - siting - other? =

H. LAND MANAGEMENT

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

I. ANIMALS

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

J. OTHER SIGNIFICANT OBSERVATIONS

Other significant observations: Fish below weir

K. ALDERS

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6649  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 48449 648031 River: \_\_\_\_\_  
 Date: 20.5.1996 Time: 16:00 Surveyor name: lanthorn Accreditation code: 7F56

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 9 Unvegetated point bars 2  
 Pools 8 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 2

TALLY (use IFE) for Riffles  Pools  Unvegetated bars  Vegetated bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - 1m wide transect only**

Spot check 1 is upstream? <input type="checkbox"/> downstream? <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material <u>NY, BE, BO, CO, CS, EA, PE, CL, CP, PF, CL, BR, BR, BR</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NY, NO, AS, AL, PC, BM, EM</u>	NO	NO	NO	NO	NO	PC	NO	PC	NO	NO
Bank feature(s) <u>NY, NO, EC, SC, PB, VP, SB, VS</u>	NO	NO	NO	NO	EC	VE	NO	NO	NO	NO
<b>RIGHT BANK</b>										
Channel substrate <u>NY, BE, BO, CO, CP, SA, SI, CL, PEAR</u>	BE	SP	BE	CO	BE	GP	SI	SA	GP	GP
Substrate shape <u>FL, OV, EL, SP, CU, PO, TR, OTHER - none</u>										
Flow type <u>IF, CH, BR, UN, CF, RP, UP, SA, NP, NO</u>	CH	SM	FF	RP	CH	RP	SM	SM	UN	CH
Channel modification(s) <u>NY, NO, CV, AS, AL, EM, FO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>NY, NO, EC, SC, PB, VP, SB, VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)</b>										
Land use: choose one from BL, CP, UR, MH, SC, TL, RP, AG, FL, WL, OW, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	IG	BL	IG	WL	WL	BL	BL
LEFT BANK-TOP (structure within 1m) <u>BL/SC</u>	C	S	C	C	C	U	U	S	C	
LEFT BANK FACE (structure) <u>BL/SC</u>	S	S	C	C	S	U	S	S		
RIGHT BANK FACE (structure) <u>BL/SC</u>	S	S	S	C	C	R	U	S	S	
RIGHT BANK-TOP (structure within 1m) <u>BL/SC</u>	C	S	S	C	C	U	U	S	C	
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	IG	WL	WL	BL	BL
<b>G. CHANNEL VEGETATION TYPES (to be assessed across channel within a 1m wide transect)</b>										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens		✓	✓	✓	✓					✓
Emerg broad-leaved herbs						✓	E	✓		✓
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fascicular-leaved										
Filamentous algae										

SITE NO. 6649

**H. VEGETATION TYPES AND ASSOCIATED FEATURES**

Broadleaf/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/well-improved grass (IG)	✓	✓
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)	✓	✓
Scrub (SC)			Open water (OW)		
Tall herbs' reed vegetation (TH)			Suburban/urban development (SU)		

**I. CHANNEL DIMENSIONS AND ASSOCIATED FEATURES**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Reconciled		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)	E	E	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	✓	✓
			Embanked		
			Set-back embankments		

**J. TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**K. CHANNEL DIMENSIONS AND ASSOCIATED FEATURES**

None	Present E	None	Present E (>33%)		
Waterfall(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bowl(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RUN-CASCADE-GLIDE

**H. RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES**

**G. CHANNEL DIMENSIONS (to be measured across channel within a 1m wide transect)**

LEFT BANK	Banktop width (m)	<u>1.0</u>	RIGHT BANK		
Banktop height (m)	<u>0.3</u>	Water width (m)	<u>1.0</u>	Banktop height (m)	<u>0.3</u>
Embanked height (m)		Water depth (m)	<u>0.05</u>	Embanked height (m)	

If trushline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown   
 Location of measurement is: riffle  run or glide  other  (tick one box)

**H. CHANNEL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**I. EVIDENCE OF BED MANAGEMENT**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**J. FEATURES OF SPECIAL INTEREST (to be assessed across channel within a 1m wide transect)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) Wet grass bank  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**K. CHECKED CHANNEL**

Is 33% or more of the channel choked with vegetation? No  Yes

**L. SPECIAL INTEREST PLANT SPECIES**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle/Rhododendron/buckhorn

**M. CHANNEL ATTRIBUTES**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? = \_\_\_\_\_  
 Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wren - sand martin - heron - dragonflies/damselflies  
 Other significant observations: interesting/complex little woodland stream - debris dams - fallen trees in reach (compacted clay) cascades, v high steep bank - places to poaching - other - Poor str. due to flow 1-2m

**N. ALDERS (tick appropriate box)**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6650

Mid-site grid reference of network site if different from designated location:

Grid Reference: 763035 River: Worfe  
 Date: 21/5/1996 Time: 8:40 Surveyor name: ant hains Accreditation code: PF36

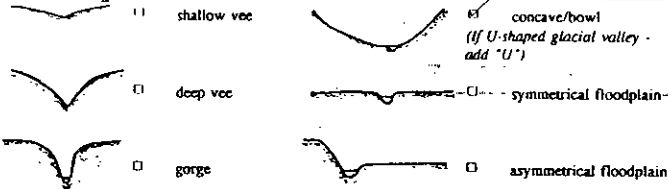
Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (see IFE for Riffles Pools & Unveg. point bars / Veg point bars)

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) (one entry only)

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if fractional fence										
Material <sup>NY, NE, NO, CO, CS, FA, FE, FC, CC, SP, GP, GA, BR, BR, BW</sup>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>NE, NO, AS, RI, PC, BM, SM</sup>	PC	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <sup>NY, NO, EC, SC, PB, VP, SB, VS</sup>	NO	NO	NO	NO	SB	SB	NO	NO	NO	NO
<b>CHANNEL</b> TBN										
Channel substrate <sup>NY, NE, NO, CO, CS, FA, FE, FC, CC, SP</sup>	SI	SI	SI	SI	CL	SI	SI	SI	SI	SI
Substrate shape <sup>FL, OV, EL, SF, CU, PO, DR, Others - none</sup>										
Flow type <sup>IF, CH, LW, LW, CF, RP, UP, SM, NP, NO</sup>	SM	SM	SM	SM	RP	SM	SM	SM	RP	SM
Channel modification(s) <sup>NE, NO, CV, AS, RI, DA, FO</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <sup>NY, NO, RO, AB, VE, MI, TR</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b> TICK if fractional fence										
Material <sup>NY, NE, NO, CO, CS, FA, FE, FC, CC, SP, GP, GA, BR, BR, BW</sup>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>NE, NO, AS, RI, PC, BM, SM</sup>	PC	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <sup>NY, NO, EC, SC, PB, VP, SB, VS</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	CP	CP	CP
LEFT BANK-TOP (structure within 1m) <sup>BL/USC</sup>	S	U	C	S	S	S	S	S	S	C
LEFT BANK FACE (structure) <sup>BL/USC</sup>	S	U	S	C	C	S	S	S	S	S
RIGHT BANK FACE (structure) <sup>BL/USC</sup>	B	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) <sup>BL/USC</sup>	U	S	S	S	S	C	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	BL

PLANT GENERA (list first 5)

NONE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bryophytes/lichens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emerg broad-leaved herbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emerg reeds/sedges/rushes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating-leaved (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerg fine/linear-leaved	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Woodland/mixed woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)	E		Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		<input checked="" type="checkbox"/>
Crab (SC)			Open water (OW)		
All herbs' rank vegetation (TH)			Suburban/urban development (SU)		

ARTIFICIAL/MODIFIED BANKS

Intact/unmodified	L	R	Artificial/modified	L	R
critical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input type="checkbox"/>	<input type="checkbox"/>
critical + toe	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input type="checkbox"/>
Slope (>45°)	E	E	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
cut	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
composite	<input type="checkbox"/>	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
			Poached	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input type="checkbox"/>	<input type="checkbox"/>
			Set back embankments	<input type="checkbox"/>	<input type="checkbox"/>

TREES (tick one box per bank) ASSOCIATED FEATURES (tick one box per feature)

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): GLIDE

CHANNEL DIMENSIONS AND INFLUENCES

<b>LEFT BANK</b>	Banktop width (m)	4.0	<b>RIGHT BANK</b>		
Banktop height (m)	Water width (m)	2.5	Banktop height (m)	0.6	
Embanked height (m)	Water depth (m)	0.2	Embanked height (m)		

If tradeline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  monocolonated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

LANDSCAPE FEATURES

None <input type="checkbox"/>	Number of Culverts =	Weirs =	Outfalls =	Fords =
	Footbridges = 1	Roadbridges =	Other =	

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

REQUIREMENTS FOR CHANNEL MANAGEMENT

None <input checked="" type="checkbox"/>	Dredging <input type="checkbox"/>	Mowing <input type="checkbox"/>	Weed-cutting <input type="checkbox"/>
	Enhancement <input type="checkbox"/>	Other? State	

FEATURES OF SPECIAL INTEREST (as appropriate tick one)

None <input type="checkbox"/>	Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state)
	Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Cart <input type="checkbox"/>	<u>Wet grassland</u>
	Debris dams <input checked="" type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
	Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	

CHOKED CHANNELS (as appropriate tick one)

Is 33% or more of the channel choked with vegetation? NO  YES

QUADRANT-BASED CHANNEL FEATURES (as appropriate tick one)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle (Rhododendron)

MAJOR CHARACTERISTICS (as appropriate tick one)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-deepening - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - partland - MOD - other? =

Animals: otter - eel - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: 1/5 end of section was private land. Hence Gifford's plant (Chamaeneris) & I knowled. Thus 1/5 end was extremely shaded - contrast to rest of site.

ALTERS (as appropriate tick one)

Alters? None  Present  Extensive  Discarded Alters? None  Present  Extensive





**BACKGROUND MATERIAL INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

Reference network site number: 6654

Mid-site grid reference of network site if differs from designated location: \_\_\_\_\_

Grid Reference: \_\_\_\_\_ River: \_\_\_\_\_

Date: 6/11/1996 Time: 10:40 Surveyor name: JL Accreditation code: 1905

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (check one)**

shallow vee  concave/dowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFB - VALLEY FORM NOTES:

Riffles \_\_\_\_\_ Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

DO NOT COMPLETE FORMS WEEKLY plus all water samples and expenses claims TO  
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BR20 6BS

**RIVER SURVEY DIMENSIONS AND FREQUENCIES**

TALLY (see 10) for - Riffles \_\_\_\_\_ Pools \_\_\_\_\_ Unveg. side bars \_\_\_\_\_ Veg point bars \_\_\_\_\_

Spot check 1 is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
Major modification(s)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SC	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Land use: choose one from SL, CL, OR, NR, SC, TH, RP, FL, RL, OW, SU

LAND USE WITHIN 5m OP BANKTOP (L)	SL	CL	OR	NR	SC	TH	RP	FL	RL	OW	SU
LEFT BANK TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OP BANK TOP (R)	SL	CL	OR	NR	SC	TH	RP	FL	RL	OW	SU

**PLANT GENERA - list first 5**

None  Bryophytes/lichens \_\_\_\_\_  
 Emerg broad leaved herbs \_\_\_\_\_  
 Emerg root/leaf/seed \_\_\_\_\_  
 Floating leaved (rooted) \_\_\_\_\_  
 Free-floating \_\_\_\_\_  
 Amphibious \_\_\_\_\_  
 Submerg god broad leaved \_\_\_\_\_  
 Submerg float/leaved \_\_\_\_\_  
 Filamentous algae \_\_\_\_\_

SITE NO. 6654

	L	R		L	R
Brom/Grassland woodland (BL)		E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs / mast vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/ENGINEERED**

	L	R	Artificial/modified	L	R
Vertical/wooded	L		Recoined		
Vertical + iron			Reinforced - whole bank		
Slope (> 45°)		E	Reinforced - top only		
Grass			Reinforced - toe only		
Concrete			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankment		

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (> 33%)
Isolated/western	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed herbaceous roots	<input type="checkbox"/>	<input type="checkbox"/>
Scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS AND OTHER FEATURES**

	None	Present E (> 33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input type="checkbox"/>	<input type="checkbox"/>
Point(s)	<input type="checkbox"/>	<input type="checkbox"/>

date predominant flow sequence (select up to three features): Grass Run

**RIVER SURVEY DIMENSIONS AND FREQUENCIES**

Channel dimensions: Banktop width (m) 4.5 RIGHT BANK \_\_\_\_\_  
 Banktop height (m) 1.0 Water width (m) 3.5 Banktop height (m) 1.0  
 Embankment height (m) \_\_\_\_\_ Water depth (m) 0.35 Embankment height (m) \_\_\_\_\_

If bankline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**NATURAL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Is water impounded by weirs? No  Yes, < 33% of site  Yes, > 33% of site

**RECENT VEGETATION MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**CHARACTERISTICS OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bridled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Ice  Flank

Is 33% or more of the channel choked with vegetation? NO  YES

**DIAGNOSTIC INDEX**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron bracken

**RECENT BANK MODIFICATION**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - siltation - other? = \_\_\_\_\_  
 Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - meadow pipit - heron - dragonfly/damselfly

Other significant observations:  
Small stream flowing through site  
3/10/96

**DIAGNOSTIC INDEX**

Alders: None  Present  Extensive  Diagonal Alders: None  Present  Extensive

**BACKGROUND/MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

Reference network site number: **6655**

Mid-site grid reference of network site if different from designated location:

Grid Reference: **SK 287-007** River: **ANKER**

Date: **26/01/1996** Time: **4.10** Surveyor name: **N. CREX** Accreditation code: **PE 12**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley, add 'U')   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

Mrs Whitman, Waters edge Farm lane, London, Wares CV9 5DR.  
 Requests R4S 94 95 booklet.

**RIVER HABITAT SURVEY BY THE RIVER SURVEYORS**

TABLE 1 (see 20) for - Riffles Pool Uveg side bars Veg point bars

Spot check 1 is upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material (M) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	NO	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (M) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (M) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Substrate shape (F) (O, P, Q, R, S, T, U, V, W, X, Y, Z)	OV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type (F) (O, P, Q, R, S, T, U, V, W, X, Y, Z)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) (M) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (M) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI
RIGHT BANK										
Material (M) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (M) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>BANKTOP LAND USE AND VEGETATION STRUCTURE</b>										
Land use: choose one from BL, CP, DR, MH, SC, TH, SP, AG, TL, WL, OP, SU										
LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP (structure within 1m) (M) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	LI	LI	LI	LI	LI	LI	LI	LI	LI	LI
LEFT BANK FACE (structure) (M) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) (M) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) (M) (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	S	LI	LI	LI	LI	LI	LI	LI	LI	LI
LAND USE WITHIN 5m OF BANK TOP (R)	S	LI	LI	LI	LI	LI	LI	LI	LI	LI
<b>QUANTIFYING VEGETATION</b>										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent root/rhizome herbs										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

**RIVER HABITAT SURVEY (RHS) DIMENSIONS AND DIVERSITY**

LEFT BANK	Banktop width (m)	15.0	RIGHT BANK		
Banktop height (m)	1.4	Water width (m)	12.5	Banktop height (m)	1.4
Embanked height (m)		Water depth (m)	0.75	Embanked height (m)	

If water level lower than banktop level in slope, indicate: height (m) = 1.3 width(m) = 13.0

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chalk/crumb

Location of measurement is: riffle  run or glide  other  (tick one box)

**MAN-MADE FEATURES**

None  Number of Culverts = Roadbridges = Outfalls = Fords =  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**WOODEN STRUCTURES**

None  Dredging  Moving  Wood cutting   
 Embankment  Other? State: tree planting (decid) (in garden)

**FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES

**NON-VASCULAR PLANT COMMUNITIES**

None  Diptera  Hymenoptera  Japanese Knotweed  Other? (North Woodcock/Redpoll)

**OVERALL HABITAT RATING**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - spill - dam - wind - mill - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - silting - other? =  
 Lead Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =  
 Club, Coal, Pite  
 Animals: A star - mist - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly - damselfly  
 Other significant observations: Mill e 4/5 end - otherwise uniform channel:  
 straight + RS bank, (mostly) GP ISA mix (substrate)  
 → Extensive algae

**ALTERS** None  Present  Extensive  Discarded Alters? None  Present  Extensive

**TRIBUTARY HABITAT SURVEY (RHS) DIMENSIONS AND DIVERSITY**

LEFT BANK	Banktop width (m)	15.0	RIGHT BANK		
Banktop height (m)	1.4	Water width (m)	12.5	Banktop height (m)	1.4
Embanked height (m)		Water depth (m)	0.75	Embanked height (m)	

If water level lower than banktop level in slope, indicate: height (m) = 1.3 width(m) = 13.0

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chalk/crumb

Location of measurement is: riffle  run or glide  other  (tick one box)

**MAN-MADE FEATURES**

None  Number of Culverts = Roadbridges = Outfalls = Fords =  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**WOODEN STRUCTURES**

None  Dredging  Moving  Wood cutting   
 Embankment  Other? State: tree planting (decid) (in garden)

**FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES

**NON-VASCULAR PLANT COMMUNITIES**

None  Diptera  Hymenoptera  Japanese Knotweed  Other? (North Woodcock/Redpoll)

**OVERALL HABITAT RATING**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - spill - dam - wind - mill - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - silting - other? =  
 Lead Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =  
 Club, Coal, Pite  
 Animals: A star - mist - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly - damselfly  
 Other significant observations: Mill e 4/5 end - otherwise uniform channel:  
 straight + RS bank, (mostly) GP ISA mix (substrate)  
 → Extensive algae

**ALTERS** None  Present  Extensive  Discarded Alters? None  Present  Extensive

Indicate predominant flow sequence (select up to three features): **SLIDE**

**BACKGROUND MATERIAL INFORMATION**

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source (km)	Significant tributary?	Navigation?
Height of source (m)	Water Quality Class	

**FIELD SURVEY DETAILS**

Reference network site number: 6656

Mid-site grid reference of network site if different from designated location:

Grid Reference: SK 333023 River: SENCE

Date: 26.6.1996 Time: 6.45 Surveyor name: N CREVE Accreditation code: PF12

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
(duplicate will be made by scanning)  
and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**DOMINANT VALLEY FORM**

<input type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl (if U-shaped glacial valley - add 'U')
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles 3 Unvegetated point bars \_\_\_\_\_

Pools 1 Vegetated point bars \_\_\_\_\_

**LAND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WAREHAM, B120 6BB**

**CHANNEL CHARACTERISTICS SURVEY**

TALLY (see 10) for: Riffles Pools Uavg. side bars Veg point bars

Sp4 check 1 is: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

**CHANNEL CHARACTERISTICS**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	RS	NO	RS	NO	RS	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Substrate shape	OV	OV	OV	OV	OV	OV	OV	OV	OV	OV
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIVER BANKS - VEGETATION**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	RS	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE WITHIN 50m OF BANKTOP**

LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S

**CHANNEL VEGETATION**

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reed/bamboo/straw										
Flooding-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

**CHANNEL CHARACTERISTICS SURVEY**

Broadleaved woodland (BL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Rough pasture (RP)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Coniferous plantation (CP)	<input type="checkbox"/>	<input type="checkbox"/>	Improved/scal-improved grass (IG)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Heathland (HR)	<input type="checkbox"/>	<input type="checkbox"/>	Tiled land (TL)	<input type="checkbox"/>	<input type="checkbox"/>
Moorland/heath (MH)	<input type="checkbox"/>	<input type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Orch (OC)	<input type="checkbox"/>	<input type="checkbox"/>	Open water (OW)	<input type="checkbox"/>	<input type="checkbox"/>
All herbs' rank vegetation (TH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Suburban/urban development (SU)	<input type="checkbox"/>	<input type="checkbox"/>

**NATURAL/UNMODIFIED**

artificial/modern	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Resectioned	<input type="checkbox"/>	<input checked="" type="checkbox"/>
artificial + toe	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input type="checkbox"/>
step (>45°)	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Grade	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
rapids	<input type="checkbox"/>	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
			Poached	<input type="checkbox"/>	<input type="checkbox"/>
			Embedded	<input type="checkbox"/>	<input type="checkbox"/>
			Set-back embankments	<input type="checkbox"/>	<input type="checkbox"/>

**TREES (tick one box per bank)**

None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None	Present <u>6</u> (2.11%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed buttress roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scattered clumps	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Palisade trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Present <u>0</u>	Marginal deadwater	None	Present <u>0</u> (2.11%)
Coarctate(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock (CLM)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rune(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bowl(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

date predominant flow sequence (select up to three features): GLIDE (L-R-F-E)

**CHANNEL CHARACTERISTICS SURVEY**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<u>7.0</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>5.8</u>	Banktop height (m)	<u>1.2</u>
Embanked height (m)	Water depth (m)	<u>0.13</u>	Embanked height (m)	

If trapezium lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL VEGETATION**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_  
Footbridges = \_\_\_\_\_ Roundbridges = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
Other = \_\_\_\_\_  
Is water impounded by weirs/dams? No  Yes < 33% of site  > 33% of site

**CHANNEL VEGETATION**

None  Dropping  Moving  Weed cutting   
Embankment  Other? FISHING AREAS CLOURED

**CHANNEL VEGETATION**

None   
Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
Braided/side channels  Natural open water  Carr   
Debris dams  Water meadow  Marsh   
Leafy debris  Pea  Flush

**CHANNEL VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

**CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Native Woodcock/ground bracken

**CHANNEL VEGETATION**

Major impacts: landfill - tipping - fire - sewage - pollution - drought - abstraction - mill - dam - wind - rail - factory - housing - cutting - quarrying - overtopping - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Lead Management: set-aside - buffer strip - headland - abandoned land - partitioned - MoD - other? = \_\_\_\_\_

Animals: other - mist - water vole - kingfisher - dipper - grey wagtail - meadow pipit - heron - dragonflies/leaves etc

Other significant observations: Mostly GP stream, BL wooding, Calopteryx sp. etc  
Some small WL on RHB.

**CHANNEL VEGETATION**

Alders? None  Present  Extensive  Disused Alders? None  Present  Extensive

**1996 RIVER HABITAT SURVEY WITH DIMENSIONS AND DIMENSIONS**

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6657  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: SK 434012 River: NORMANTON BROOK  
 Date: 26/6/1996 Time: 11:30 Surveyor name: N. CRIEVE Accreditation code: PK 12

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (If U-shaped glacial valley - add "U")   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (include dimensions)**

Rifles 14 Unvegetated point bars \_\_\_\_\_  
 Pools 5 Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY WITH DIMENSIONS AND DIMENSIONS**

**FALL VEGETATION (use IFE) for - Riffle 14 Pool 5 Unveg. side bars \_\_\_\_\_ Veg. point bars \_\_\_\_\_**

Spot check 1 is upstream  downstream

Material	FA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK - VEGETATION (use IFE)**

Material	FA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE TO LAND USE AND VEGETATION STRUCTURE (tick one box)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, FG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	BL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK TOP (structure within 1m) BUI/SUC	U	U	S	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BUI/SUC	U	U	S	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BUI/SUC	S	U	S	C	S	C	S	C	S	C
RIGHT BANK TOP (structure within 1m) BUI/SUC	U	U	U	S	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

**VEGETATION (use IFE)**

NONE / PLANT GENERA - list first 5										
Bryophytes/licheus										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

**1996 RIVER HABITAT SURVEY WITH DIMENSIONS AND DIMENSIONS**

**LAND USE WITHIN 5m OF BANKTOP (use IFE)**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ reed vegetation (TH)			Suburban/urban development (SU)		

**VEGETATION (use IFE)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**PRESENT TREES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None <input type="checkbox"/>	Present E (≥ 33%) <input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Marginal deadwater	None <input checked="" type="checkbox"/>	Present E (≥ 33%) <input type="checkbox"/>
Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS AND POOLS**

Waterfall(s)	None <input checked="" type="checkbox"/>	Present E <input type="checkbox"/>	Marginal deadwater	None <input checked="" type="checkbox"/>	Present E (≥ 33%) <input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Road(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scill(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RIFLE - GULF  
 (- POOL)

**1996 RIVER HABITAT SURVEY WITH DIMENSIONS AND DIMENSIONS**

**CHANNEL DIMENSIONS (use IFE)**

LEFT BANK	Banktop width (m)	5.5	RIGHT BANK	Banktop height (m)	1.3
	Banktop height (m)	1.55		Water width (m)	0.45
	Embanked height (m)			Water depth (m)	0.03
				Embanked height (m)	

If (bankline lower than banktop break in slope, indicate: height (m) = 0.6 width (m) = 2.6

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION (use IFE)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**VEGETATION (use IFE)**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State: \_\_\_\_\_

**VEGETATION (use IFE)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Floe  Flush

**CHOKE CHANNEL (use IFE)**

Is 33% or more of the channel choked with vegetation? NO  YES

**EXOTIC PLANT SPECIES (use IFE)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name: Phytolacca dioica

**OVERFLOW CHANNEL STATISTICS (use IFE)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-aside  buffer strip  headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Tree-lined RS channel. GP (with S) on top.

**VEGETATION (use IFE)**

Address? None  Present  Extensive  Discarded Address? None  Present  Extensive



**RIVER HABITAT SURVEY DATA SHEET**

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number: **6658**  
 Mid-site grid reference of network site (if different from designated location): \_\_\_\_\_

Grid Reference: **SK 552085** River: **ROTHLEY BROOK**

Date: **7/16/1996** Time: **15:00** Surveyor name: **N. CRIVS** Accreditation code: **PF12**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM** (tick one box)

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Teraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**CHANNEL FEATURES**

Riffles **4** Unvegetated point bars \_\_\_\_\_  
 Pools **1** Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

**RIVER HABITAT SURVEY DIMENSIONS AND BURGES**

TALLY (use P/B) for - Riffles  Pools  Using side bars \_\_\_\_\_ Veg point bars \_\_\_\_\_

**CHANNEL DIMENSIONS** (measurements taken at the same location as the IFE photograph)

Spot check 1 is: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material <b>W, M, S, G, C, L, F, P, B, D, O, D, P, C, A, B, R, S, V</b>	SA	EA	EA	SA	EA	BR	EA	EA	EA	SA
Bank modification(s) <b>W, M, S, G, C, L, F, P, B, D, O, D, P, C, A, B, R, S, V</b>	N	R	RS	RS	RS	R	N	RS	RS	N
Bank feature(s) <b>W, M, S, G, C, L, F, P, B, D, O, D, P, C, A, B, R, S, V</b>	N	V	S	N	N	V	N	N	N	N
Channel substrate <b>W, M, S, G, C, L, F, P, B, D, O, D, P, C, A, B, R, S, V</b>	S	F	P	P	C	G	S	A	P	C
Substrate shape <b>F, L, O, F, L, S, P, C, U, P, D, L, O, A, M, S, V, W</b>	W	N	N	N	P	O	V	N	A	N
Flow type <b>F, L, O, F, L, S, P, C, U, P, D, L, O, A, M, S, V, W</b>	S	M	S	M	R	P	U	S	M	S
Channel modification(s) <b>W, M, S, G, C, L, F, P, B, D, O, D, P, C, A, B, R, S, V</b>	R	S	RS	RS	N	RS	R	S	RS	RS
Channel feature(s) <b>W, M, S, G, C, L, F, P, B, D, O, D, P, C, A, B, R, S, V</b>	N	V	S	N	N	V	N	N	N	N

**RIGHT BANK VEGETATION** (measurements taken at the same location as the IFE photograph)

Material <b>W, M, S, G, C, L, F, P, B, D, O, D, P, C, A, B, R, S, V</b>	L	L	EA	EA	S	EA	EA	EA	EA	SA
Bank modification(s) <b>W, M, S, G, C, L, F, P, B, D, O, D, P, C, A, B, R, S, V</b>	N	V	N	RS	N	RS	N	RS	RS	N
Bank feature(s) <b>W, M, S, G, C, L, F, P, B, D, O, D, P, C, A, B, R, S, V</b>	N	V	S	N	N	V	N	N	N	N

**LAND USE WITHIN 50m OF BANKTOP (L)**

LAND USE WITHIN 50m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) <b>B, W, S, C, U, P, D, L, O, A, M, S, V, W</b>	U	U	S	U	B	S	U	U	U	U
LEFT BANK FACE (structure) <b>B, W, S, C, U, P, D, L, O, A, M, S, V, W</b>	C	U	S	U	B	S	U	U	U	U
RIGHT BANK FACE (structure) <b>B, W, S, C, U, P, D, L, O, A, M, S, V, W</b>	S	U	U	U	U	U	U	U	U	S
RIGHT BANK-TOP (structure within 1m) <b>B, W, S, C, U, P, D, L, O, A, M, S, V, W</b>	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 50m OF BANK TOP (R)	U	U	U	U	U	U	U	U	U	U

**PLANT GENERA** - list first 5

NONE	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/grass/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

**SITE NO. 6658 RIVER HABITAT SURVEY SITES WITHIN 50m OF BANKTOP**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tiled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/mud vegetation (TH)	E	N	Suburban/urban development (SU)	N	N

**NATURAL/MODIFIED**

	L	R		L	R
Vertical/vertical			Revetment		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Groynes			Reinforced - toe only		
Composts			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**TREES** (tick one box per bank)

None	Left	Right	None	Present E (≥ 33%)
Isolated/scattered			Overhanging boughs	
Regularly spaced, single			Exposed bankside roots	
Occasional clumps			Underwater tree roots	
Semi-cohesive			Pedon trees	
Cohesive			Coarse woody debris	

**ASSOCIATED FEATURES** (tick one box per feature)

Shading of channel	None	Present E (≥ 33%)
Exposed bedrock		
Exposed boulders		
Unvegetated mid-channel bar(s)		
Vegetated mid-channel bar(s)		
Mature island(s)		
Unvegetated side bar(s)		
Vegetated side bar(s)		

**WATERBARS**

Waterbar(s)	None	Present E	Marginal deadwater	None	Present E (≥ 33%)
Cascade(s)			Exposed bedrock (CLAY)		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid-channel bar(s)		
Road(s)			Vegetated mid-channel bar(s)		
Boil(s)			Mature island(s)		
Obide(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): **GLIDE (+ RIFLE)**

**RIVER HABITAT SURVEY DIMENSIONS AND BURGES**

**CHANNEL DIMENSIONS** (measurements taken at the same location as the IFE photograph)

LEFT BANK	Banktop width (m)	13.1	RIGHT BANK
Banktop height (m)	Water width (m)	4.15	Banktop height (m)
Embanked height (m)	Water depth (m)	0.22	Embanked height (m)

If treeless lower than banktop break in slope, indicate: height (m) = 1.0 width (m) = 5.25

Bed material at site: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Ponds = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**CHANNEL MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**CHANNEL FEATURES**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Briddled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pea  Flush

**CHANNEL VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

**CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? *Nettle Rhododendron bracken*

**CHANNEL VEGETATION**

Major impact: landfill - tipping  sewage  drought - abstraction - mill - dam  rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - nitrate - other? = \_\_\_\_\_

Land Management: set-back - buffer strip - headland - abandoned land -  MOD - other? *SPRINGERS*

Animals: other - snail - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies

Other significant observations: *Modified channel, running through open fields at top, near urban enclosures. Complementary Ischnura obj*

**CHANNEL VEGETATION**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive



**1996 RIVER HABITAT SURVEY with IFE mods for plant genera and percent** Page 1 of 2

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: **6659** ✓  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: **SK 671009** River: **SENCE**

Date: **15.7.1996** Time: **4.00** Surveyor name: **J. FRIESE** Accreditation code: **PF12**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS**

Riffles **3** Unvegetated point bars \_\_\_\_\_  
 Pools **5** Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY WITH SPOT CHECKS** Page 2 of 2

**TALLY (use IFE for Riffles)** Pools: \_\_\_\_\_ Unveg. side bars: \_\_\_\_\_ Veg. point bars: \_\_\_\_\_

**PHYSICAL ATTRIBUTES (tick one box per cell)**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material	EX	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	NO	RS	NO	RS	NO	RS
Bank feature(s)	NO	NO	NO	VS	NO	NO	NO	SB	NO	NO
<b>CHANNEL</b>										
Channel substrate	SI	SI	SI	SP	GP	CLS	SI	SI	SI	SI
Substrate shape	NA	NA	NA	OV	OV	NA	NA	NA	NA	NA
Flow type	NP	NP	NP	NP	NP	RP	NP	NP	NP	RP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**E. BANKTOP LAND USE AND VEGETATION STRUCTURE (tick one box per cell)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, RI, FL, WL, OW, SI

LAND USE WITHIN 5m OF BANKTOP (L)	IS	TH	IS	IS	IS	IS	IS	TH	IS
LEFT BANK TOP (structure within 1m) SU/SUC	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) SU/SUC	S	U	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) SU/SUC	U	S	U	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) SU/SUC	U	U	U	U	U	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	IS	IS	IS	IS	IS	IS	IS	SC

**F. CHANNEL VEGETATION (tick one box per cell)**

None  PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Ambitious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

**SITE NO. 6659** 1996 RIVER HABITAT SURVEY WITH SPOT CHECKS

**HABITAT AND VEGETATION (tick one box per cell)**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' and vegetation (TH)			Suburban/urban development (SU)		

**ARTIFICIAL/MODIFIED (tick one box per cell)**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reconditioned	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi-continuous			Underwater tree roots		
Continuous			Fallen trees		
			Coarse woody debris		

**WATERFALLS AND OTHER FEATURES (tick one box per cell)**

Waterfall(s)	None	Present E (≥ 33%)	Intergate downwater	None	Present E (≥ 33%)
Overfalls			Exposed bedrock (CLAV)		
Rapids			Exposed boulders		
Riffle(s)			Unvegetated mid-channel bar(s)		
Run(s)			Vegetated mid-channel bar(s)		
Boil(s)			Mature island(s)		
Slide(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): **SLACK (NA)**

**1996 RIVER HABITAT SURVEY WITH DIMENSIONS AND INFLUENCES** Page 2 of 2

**CHANNEL DIMENSIONS (tick one box per cell)**

LEFT BANK	Banktop width (m)	<b>6.5</b>	RIGHT BANK	
Banktop height (m)	Water width (m)	<b>2.0</b>	Banktop height (m)	<b>1.0</b>
Embanked height (m)	Water depth (m)	<b>0.04</b>	Embanked height (m)	

If trushline lower than banktop break in slope, indicate: height (m) = **0.9** width(m) = **6.0**

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**BAR AND GATE STRUCTURES (tick one box per cell)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Forde = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**EVIDENCE OF BEDFORM MANAGEMENT (tick one box per cell)**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? State \_\_\_\_\_

**CHARACTER OF SPECIAL INTEREST (tick one box per cell)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNELS (tick one box per cell)**

Is 33% or more of the channel choked with vegetation? No  Yes

**CHARACTER OF SPECIAL INTEREST (tick one box per cell)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  *Nettle Rhododendron bracken*

**OVERALL CHARACTERISTICS (tick one box per cell)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying  afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = **GRAZING**

Animals:  other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron  *Magpie*  *chambered*

Other significant observations: **RS, meandering channel.**

**ALDERS (tick one box per cell)**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

Altitude (m) \_\_\_\_\_ Slope (contour) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Soil geology code \_\_\_\_\_ Drain geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number: **6660**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

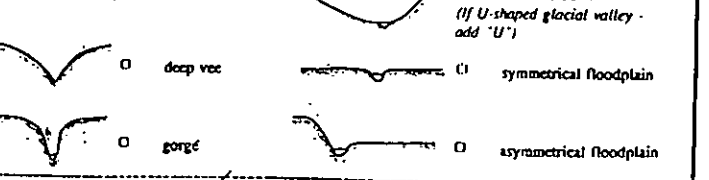
Grid Reference: **SK 786089** River Un named  
 Date: **21.9.1996** Time: **9:50** Surveyor name: **P. Abbott** Accreditation code: **PF 35**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles \_\_\_\_\_ Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRHAM, BH20 6AR

PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transect(s) if only one transect only)	1	2	3	4	5	6	7	8	9	10
Specialist (upstream / downstream)										
Material (W, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (W, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	RP	RP	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape (FL, OV, CL, SP, CU, PO, R, D, DM, ...)	IR	IR	MA	MA	MA	MA	MA	MA	MA	MA
Flow type (FT, CH, ST, UP, CF, SP, UP, SH, SP, ...)	SM	SM	NO	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material (W, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	PC	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Land use: choose one from (M, CP, OR, WH, BC, TH, RT, AL, FL, WL, OW, SI)										
LAND USE WITHIN 5m OF BANKTOP (L)	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS
LEFT BANK-TOP (structure within 1m) (BWSIC)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) (BWSIC)	S	C	S	C	C	S	U	U	C	S
RIGHT BANK FACE (structure) (BWSIC)	C	C	U	U	U	U	C	C	S	S
RIGHT BANK-TOP (structure within 1m) (BWSIC)	U	U	U	U	U	U	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emergent broad-leaved herbs			E							
Emergent reeds/edges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibians										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

**LAND USE WITHIN 50m OF BANKTOP (tick one box only)**

	L	R		L	R
Timber/semi-woodland (TL)			Rough pasture (RP)		
Cultivated plantation (CP)			Improved/semi-improved grass (IG)	E	E
Arable (AR)			Tilled land (TL)		
Woodland (WH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

ri/unnmodified	L	R	Artificial/modified	L	R
Vertical/obvious			Reinforced		
sl + toe			Reinforced - whole bank		
(>45°)			Reinforced - top only		
			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

**PERCENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

Waterfall(s)	None	Percent E	Marginal deadwater	None	Percent E (≥ 33%)
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffles(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Swif(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Shed(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): \_\_\_\_\_

**1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES**

LEFT BANK	Banktop width (m)	4.5	RIGHT BANK
Banktop height (m)	0.40	Water width (m)	0.30
Embankment height (m)		Water depth (m)	0.02
		Embankment height (m)	

If trapezium lower than banktop break in slope, indicate: height (m) = width (m) = \_\_\_\_\_  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown   
 Location of meanderpoint is: riffle  run or glide  other  (tick one box)

None  Number of Culverts = 1 Weirs = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State: \_\_\_\_\_

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bridled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pea  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

Major impacts: bedload - siltation - filter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? = \_\_\_\_\_  
 Land Management: set-aside - buffer strip - headland - shaded/wooded land - parkland - MoD - other? = \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant characteristics: \_\_\_\_\_

ALTERS (tick appropriate box(es))  
 Alter? None  Present  Extensive  Disposed Alter? None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6667  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: TWENTY FOOT RIVER  
 Date: 2.17.1996 Time: 16:20 Surveyor name: A. MASON Accreditation code: PFC4

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (COARSE SCALE)**

shallow vee  concave/bowl (If U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**CHANNEL DIMENSIONS, POOLS AND POINT BARS**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

IF COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**2000 RIVER HABITAT SURVEY, TEN SPONGHUCKS**

TALLY (use BIF) for: Riffles Pools Unveg. side bars Veg point bars

**CHANNEL ATTRIBUTES (to be measured in situ or estimated from aerial photography)**

Spot check 1 is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
Material	SA	CA	SA	CA	SA	CA	SA	CA	SA	CA
Bank modification(s)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	NU	NU	NU	NU	NU	NU	NU	NU	NU	NU
Substrate shape	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK**

Material	NU	NU	NU	NU	NU	NU	NU	NU	NU	NU
Bank modification(s)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**BANKTOP AND VEGETATION STRUCTURE (to be measured in situ or estimated from aerial photography)**

Land use, choose one from: BL, CP, OR, MN, SC, TH, RP, IG, FL, WL, OW, ST

LAND USE WITHIN 5m OF BANKTOP (L)	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
LEFT BANK TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

**CHANNEL VEGETATION (to be measured in situ or estimated from aerial photography)**

NONE  PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear leaved										
Filamentous algae										

SITE NO. 6667

**LAND USE WITHIN 50m OF BANKTOP**

Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Crab (SC)			Open water (OW)		
All herbs/semi-vegetation (TH)			Suburban/urban development (SU)		

**CHANNEL BANKS**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/bankcut			Reconciled	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Outside			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked	E	E
			Set-back embankments		

**TREES (tick one box per bank)**

None	Left	Right	Shading of channel	None	Percent E (>33%)
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Present E	Marginal deadwater	None	Percent E (>33%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): 6604

**2000 RIVER HABITAT SURVEY - DIMENSIONS AND BURGENS**

**CHANNEL DIMENSIONS (to be measured in situ or estimated from aerial photography)**

LEFT BANK	Banktop width (m)	15.0	RIGHT BANK	
Banktop height (m)	Water width (m)	12.0	Banktop height (m)	1.5
Embanked height (m)	Water depth (m)	2.5	Embanked height (m)	3.0

If embankment lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL OBSTACLES (estimate from aerial photography)**

None  Number of Outfalls = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Footbridges = 1 Roadbridges = 0 Other = 1 RAIL BRIDGE (014500)  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**EVIDENCE OF POINT SOURCE POLLUTION (estimate from aerial photography)**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**FEATURES OF CHANNEL BANKS (estimate from aerial photography)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braced/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pea  Flush

**CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**NON-VEGETATED CHANNEL BANKS (estimate from aerial photography)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Note Rhododendron tree trunk

**OVERALL SITE ASSESSMENT**

Major impacts: erosion  siltation  litter  sewage  pollution  drought  abstraction  mill  dam  canal  industry   
 logging  quarrying  over-depositing  afforestation  fisheries management  siltation  other? = \_\_\_\_\_  
 Land Management: set-aside  buffer strip  headland  abandoned land  parkland  MoD  other? = \_\_\_\_\_  
 Animals: otter  mink  water vole  kingfisher  dipper  grey wagtail  sand martin  heron  frog/toad/damselfly

Other significant observations: \_\_\_\_\_

**ALTERS (estimate from aerial photography)**

Alters? None  Present  Extensive  Discussed Alters? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6668  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: TF549031 River: WILLE CREEK  
 Date: 21.5.1996 Time: 09:30 Surveyor name: P. HENNELL Accreditation code: FF1

Adverse conditions affecting survey? No  Yes  If yes, state

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)  
 A1122 in left bank

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'H')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

A Road on left.

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (use DF) for - Rifles Pools Unveg. side bars Veg point bars

**PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)**

Spot check 1 is: upstream  downstream

Material	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank modification(s)	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
Bank feature(s)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Channel substrate	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
Channel feature(s)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**RIGHT BANK - TICK if fractional fence**

Material	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank modification(s)	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
Bank feature(s)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**F BANKTOP, LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use, choose one from: BL, CP, OR, MH, SC, TI, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK-TOP (structure within 1m) BR/SC	L	L	L	L	L	L	L	L	L	L
LEFT BANK FACE (structure) BR/SC	L	L	L	L	L	L	L	L	L	L
RIGHT BANK FACE (structure) BR/SC	L	L	L	L	L	L	L	L	L	L
RIGHT BANK-TOP (structure within 1m) BR/SC	L	L	L	L	L	L	L	L	L	L
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH

**G CHANNEL VEGETATION TYPES (tick all present)**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. 6668

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WT)		
Scrub (SC)			Open water (OW)		
Tall herbs + small vegetation (TH)			Suburban/urban development (SU)		E

**NATURAL/SEMIMODIFIED**

Vertical/undercut			Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Sloped (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Entrenched		
			Set-back embankments		

**POTENTIAL VEGETATION AND ASSOCIATED FEATURES**

<b>TREES (tick one box per bank)</b>	Left	Right	<b>ASSOCIATED FEATURES (tick one box per feature)</b>	None	Present E (>33%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS AND OTHER FEATURES**

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (>33%)
Canal(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): No Energy, little Flow

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 3 of 3

**EXPOSURE DIMENSIONS (to be assessed across channel within a 10m wide transect)**

LEFT BANK	Banktop width (m)	17.50	RIGHT BANK		
Banktop height (m)	2.0	Water width (m)	11.50	Banktop height (m)	1.25
Embankment height (m)	0.75	Water depth (m)	N/A	Embankment height (m)	0.75

If embankment lower than banktop break in slope, indicate: height (m) = 1.00 width(m) = 11.50

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION FEATURES**

None  Number of Culverts = Weirs = Roadbridges = 2 Outfalls = Fords =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**DEPENDENCE ON RIVER MANAGEMENT (tick appropriate box(es))**

None  Dropping Enhancement  Mowing  Wood-cutting  Other? State

**OPERATORS OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE OBSTACLES TO FLOW (tick appropriate box(es))**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (None) Rhododendron bracken

**MAJOR IMPACTS (tick appropriate box(es))**

Landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: A1122 on left bank. Downstream diversion from aqueduct tunnel along right bank with access road.

**ALTERS (tick appropriate box(es))**

Alters? None  Present  Extensive  Discarded Alters? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing. Page 1 of 4

### A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

### B. FIELD SURVEY DETAILS

Reference network site number: 6669  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: TF 603038 River: UN NAMED  
 Date: 13/5/1996 Time: 1630 Surveyor name: P. HENRIK Accreditation code: PS11  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

### C. PREDOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

### D. NUMBER OF RIPPLES, POOLS AND POINT BARS (indicate total number)

Ripples Unvegetated point bars  
 Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (use IFE) for: Ripples Pools Unveg. side bars Veg point bars

### E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) (tick one only, only)

Spot check 1: upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material <input type="checkbox"/> BB <input type="checkbox"/> BR <input type="checkbox"/> CR <input type="checkbox"/> CL <input type="checkbox"/> RR <input type="checkbox"/> RL <input type="checkbox"/> RR <input type="checkbox"/> RR <input type="checkbox"/> EA										
Bank modification(s) <input type="checkbox"/> ME <input type="checkbox"/> ND <input type="checkbox"/> RS <input type="checkbox"/> PC <input type="checkbox"/> BM <input type="checkbox"/> EM										
Bank feature(s) <input type="checkbox"/> NY <input type="checkbox"/> ND <input type="checkbox"/> EC <input type="checkbox"/> SC <input type="checkbox"/> PB <input type="checkbox"/> VP <input type="checkbox"/> SV <input type="checkbox"/> VS										
<b>RIGHT BANK</b>										
Material <input type="checkbox"/> BB <input type="checkbox"/> BR <input type="checkbox"/> CR <input type="checkbox"/> CL <input type="checkbox"/> RR <input type="checkbox"/> RL <input type="checkbox"/> RR <input type="checkbox"/> RR <input type="checkbox"/> EA										
Bank modification(s) <input type="checkbox"/> ME <input type="checkbox"/> ND <input type="checkbox"/> RS <input type="checkbox"/> PC <input type="checkbox"/> BM <input type="checkbox"/> EM										
Bank feature(s) <input type="checkbox"/> NY <input type="checkbox"/> ND <input type="checkbox"/> EC <input type="checkbox"/> SC <input type="checkbox"/> PB <input type="checkbox"/> VP <input type="checkbox"/> SV <input type="checkbox"/> VS										

### F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, DR, HM, SC, FI, RP, NL, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) BAUSIC										
LEFT BANK FACE (structure) BAUSIC										
RIGHT BANK FACE (structure) BAUSIC										
RIGHT BANK-TOP (structure within 1m) BAUSIC										
LAND USE WITHIN 5m OF BANK TOP (R)										

### G. CHANNEL VEGETATION TYPES (tick appropriate boxes or tick appropriate sites)

NONE	PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens											
Emerg broad-leaved herbs											
Emerg reeds/sedges/rushes											
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine/linear-leaved											
Filamentous algae											

SITE NO. 6669

### H. CHANNEL VEGETATION TYPES (continued)

None	L	R	Artificial/modified	L	R
Bracken/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - next vegetation (TH)			Suburban/urban development (SU)		

### I. CHANNEL VEGETATION TYPES (continued)

None	L	R	Artificial/modified	L	R
Vertical undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Sci-back embankments		

### J. CHANNEL VEGETATION TYPES (continued)

TREES (tick one box per bank)	None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scrub-coarse	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

### K. CHANNEL VEGETATION TYPES (continued)

Waterfall(s)	None	Present E (≥ 33%)	Marginal deadwater	None	Present E (≥ 33%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rue(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): glide

1996 RIVER HABITAT SURVEY - DIMENSIONS AND DIMENSIONS

### L. CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	7.0	RIGHT BANK	
Banktop height (m)	3.0	Water width (m)	6.0	Banktop height (m)
Embanked height (m)	3.5	Water depth (m)	NK	Embanked height (m)

If trachee lower than banktop break in slope, indicate: height (m) = 1.5 width (m) = 6.7

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

### M. CHANNEL VEGETATION TYPES (continued)

None  Number of Culverts = Weirs =  
 Footbridges = Railbridges = Outfalls = Fords =  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

### N. CHANNEL VEGETATION TYPES (continued)

None  Dredging : Mowing  Weed-cutting   
 Enhancement : Other? Stuck

### O. CHANNEL VEGETATION TYPES (continued)

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foss  Flush

### P. CHANNEL VEGETATION TYPES (continued)

Is 33% or more of the channel choked with vegetation? NO  YES

### Q. CHANNEL VEGETATION TYPES (continued)

None  Giant Hogwood  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

### R. CHANNEL VEGETATION TYPES (continued)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other =  
 Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other =  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Other significant observations: large log pile with high embankments, cattle, horses and sheep grazing embankment

### S. CHANNEL VEGETATION TYPES (continued)

Alders? None  Present  Extensive  Discontinued Alders? None  Present  Extensive







1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6672  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: TF 967015 River: WATTON BROOK  
 Date 3/7/1996 Time: 11.40 Surveyor name: N. GRIEVE Accreditation code: PF 12

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles \_\_\_\_\_ Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TWIN SPOT CHECKS Page 2 of 4

TALLY (see IFE) for Riffles Pools Unveg. side bars Veg point bars

**PHYSICAL ATTRIBUTES (to be assessed across channel width 10m wide transect). Use one tally only.**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK - TICK IF FUNCTIONAL (tick one)</b>										
Material (NY, AE, BO, CO, CL, LA, PL, CL, CL, SP, NY, CL, LA, BO, NY)	SA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE, NO, RS, RI, PC, BM, EX)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (NY, NO, EC, SC, PB, VP, SB, VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNELS</b>										
Channel substrate (NY, AE, BO, CO, CL, LA, PL, CL, CL, SP, NY, CL, LA, BO, NY)	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape (FL, OV, EL, SP, CU, PO, DL, OB, etc. - none)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type (FF, CH, SW, UN, CF, AF, UP, SH, NP, NO)	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) (NE, NO, RS, RI, PC, BM, EX)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) (NY, NO, EC, SC, PB, VP, SB, VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK - TICK IF FUNCTIONAL (tick one)</b>										
Material (NY, AE, BO, CO, CL, LA, PL, CL, CL, SP, NY, CL, LA, BO, NY)	SA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE, NO, RS, RI, PC, BM, EX)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (NY, NO, EC, SC, PB, VP, SB, VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK TOP (structure within 1m) BU/SC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BU/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BU/SC	S	U	S	S	S	C	C	C	S	S
RIGHT BANK TOP (structure within 1m) BU/SC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

**G CHANNEL VEGETATION (tick one)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 6672 1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES

**LAND USE AND VEGETATION (to be assessed over a 10m wide transect)**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' reed vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/UNMODIFIED**

	L	R	Artificial/modified	L	R
Vertical/undercut			Reconciled	E	E
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**TRACES (tick one box per bank)**

	Left	Right
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Present E (≥33%)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS AND ASSOCIATED FEATURES**

	None	Present E (≥33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): SLACK / STRAIGHT

**CHANNEL DIMENSIONS (to be measured at one place, or multiple uniform sections, preferably across 10m)**

LEFT BANK	Banktop width (m)	<u>5.55</u>	RIGHT BANK		
Banktop height (m)	<u>1.55</u>	Water width (m)	<u>2.55</u>	Banktop height (m)	<u>1.55</u>
Embanked height (m)		Water depth (m)	<u>0.25</u>	Embanked height (m)	

If trachea lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width(m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  / unconsolidated (loose)  / unknown

Location of measurement is: riffle  / run or glide  / other  (tick one box)

**VERTICAL FEATURES (tick one)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RIVER MANAGEMENT (tick one)**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State \_\_\_\_\_

**CHARACTER OF CHANNEL (tick one)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Broaded/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNEL (tick one)**

Is 33% or more of the channel choked with vegetation? NO  YES

**UNDESIRABLE PLANT SPECIES (tick one)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**OVERALL CHANNEL ATTRIBUTES (tick one)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying  afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: \_\_\_\_\_ other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: RS agricultural ditch

**ALDERS (tick one)**

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**SURVEY DETAILS**

Reference network site number: 6673  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: T4089051 River: TIFFEY  
 Date: 9.7.1996 Time: 16:00 Surveyor name: P. Smith Accreditation code: PF35

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**DIAGNOSIS OF RIFLES, POOLS AND POINT BARS**

Rifles Unvegetated point bars  
 Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**PHYSICAL ATTRIBUTES**

TALLY (see BH) for - Rifles Pools Unveg. side bars Veg point bars

Spot check 1 is: upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material (W, M, S, G, C, L, P, O, D, F, B, J, V, S, P)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	N	N	N	N	N	N	N	N	N	N
Bank feature(s)	N	N	N	N	N	N	N	N	N	N
Channel substrate (W, M, S, G, C, L, P, O, D, F, B, J, V, S, P)	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Substrate slope (F, O, N, E, S, P, O, D, Others - see)	SR	SR	SR	SR	SR	SR	SR	SR	SR	SR
Flow type (F, C, H, S, W, U, O, F, P, U, S, M, P, J, V, S, P)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	N	N	N	N	N	N	N	N	N	N
Channel feature(s)	N	N	N	N	N	N	N	N	N	N
Material (W, M, S, G, C, L, P, O, D, F, B, J, V, S, P)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	N	N	N	N	N	N	N	N	N	N
Bank feature(s)	N	N	N	N	N	N	N	N	N	N

**CHANNEL DIMENSIONS AND VEGETATION STRUCTURE**

Land use: (choose one from SL, CF, DR, NH, SC, TH, RP, HD, FL, WL, OW, SV)

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK-TOP (structure within 1m) AUSIC	S	S	U	R	B	U	S	S	S	U
LEFT BANK FACE (structure) AUSIC	U	S	S	S	S	B	U	S	S	S
RIGHT BANK FACE (structure) AUSIC	U	S	S	S	U	U	S	U	S	S
RIGHT BANK-TOP (structure within 1m) AUSIC	S	U	R	S	S	S	S	S	U	U
LAND USE WITHIN 5m OF BANKTOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

**VEGETATION RECORD**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibians										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. 6673

Broadleaved woodland (BL)			Rough pasture (RP)			E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)			E	E
Orchard (OR)			Tilled land (TL)				
Woodland/heath (WH)			Wetland (eg bog, marsh, fen) (WL)				
Scrub (SC)			Open water (OW)				
Fall herbs / scrub vegetation (TH)			Suburban/urban development (SU)				

**VEGETATION RECORD**

Vertical/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Terrace			Reinforced - toe only		
Composite			Artificial two-stage		
			Post-holed		
			Embanked		
			Set-back embankments		

**TREES (tick one box per bank)**

None	Left	Right	None	Percent S (2.33%)
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Felton trees	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Percent S (2.33%)
Margined deadwater	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>
Unvegetated side bar(s)	<input checked="" type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

**CHANNEL DIMENSIONS AND INFLUENCES**

LEFT BANK	Banktop width (m)	11.5	RIGHT BANK	
Banking height (m)	Water width (m)	11	Banktop height (m)	0.40
Embanked height (m)	Water depth (m)	1.0	Embanked height (m)	

If trapezoid lower than banktop break in slope, indicate: height (m) = width (m) = \_\_\_\_\_  
 Bed material (silt, loam, coarse/finned (compact)  unconsolidated (loose)  post-town

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION RECORD**

None  Number of Cutverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, <13% of site  >13% of site

**VEGETATION RECORD**

None  Dredging  Mowing  Weed-cutting   
 Embankment  Other? State \_\_\_\_\_

**VEGETATION RECORD**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bridled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Fresh

**VEGETATION RECORD**

Is 13% or more of the channel choked with vegetation? NO  YES

**VEGETATION RECORD**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**VEGETATION RECORD**

Major impacts: logging, dredging, lining, sewage, pollution, drought, abstraction, mill, dam, farm, rail, industry, quarrying, quarrying, overgrazing, afforestation, (Invasive management) filling, other = \_\_\_\_\_  
 Land Management: set-back, buffer strip, broadland, abandoned land, parkland, MoD, other = \_\_\_\_\_

Animals: otter, mink, water vole, kingfisher, dipper, grey wagtail, sand martin, heron, dragonfly/damselfly  
 Other significant observations: Dredged 1 month ago to improve fishing bank majority of L.B with numerous blints and freshwater mussel shells. L. Bank pit of TH through it & readily covered in debris along

Adlers? None  Present  Extensive  Discard Adlers? None  Present  Extensive

**RIVER ABILITY SURVEY (R.A.S.)**

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: **6674**

Mid-site grid reference of network site if different from designated location:

Grid Reference: **Ty102021** River: **TIFFEY**

Date: **5.7.1996** Time: **12:00** Surveyor name: **P. Little** Accreditation code: **PP35**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. DOMINANT VALLEY FORM** (tick one box only)

shallow vee  concave/bowl (If U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS**

Rifles: Unvegetated point bars  
 Pools: Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

**RIVER ABILITY SURVEY (R.A.S.)**

**TALLY (see IFE for - Rifles Pools Unveg. side bars Veg point bars)**

Spot check 1 is: upstream <input type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
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**LEFT BANK**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**E. CHANNEL AND CHANNEL MORTIFICATION STRUCTURE**

Land use: choose one from RL, CP, DR, NH, SC, TH, SP, AG, FL, WL, OW, SU

LAND USE WITHIN 3m OF BANKTOP (L)	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK-TOP (structure within 1m) BASIC	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BASIC	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BASIC	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BASIC	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 3m OF BANK TOP (R)	TH	TH	TH	TH	TH	TH	TH	TH	TH

**G. CHANNEL VEGETATION**

NONE / PLANT GENERA - list first 5

Bryophytes/lichen	/	/	/	/	/	/	/	/	/
Emerg broad-leaved herbs	/	/	/	/	/	/	/	/	/
Emerg reeds/sedges/rushes	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)	/	/	/	/	/	/	/	/	/
Free-floating	/	/	/	/	/	/	/	/	/
Amphibious	/	/	/	/	/	/	/	/	/
Submerged broad-leaved	/	/	/	/	/	/	/	/	/
Submerged fine-leaved	/	/	/	/	/	/	/	/	/
Filamentous algae	/	/	/	/	/	/	/	/	/

**SITE NO. 6674**

**VEGETATION**

Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/stead improved grass (IG)	E	E
Orchard (OR)			Tiled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - wet vegetation (TH)			Suburban/urban development (SU)		

**CHANNEL VEGETATION**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Sloep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankment		

**TRILES (tick one box per bank)**

None	Left	Right	None	Percent E (2-11%)
Unstable/unsettled			Shading of channel	
Regularly spaced, single			Overhanging boughs	
Occasional clumps			Exposed bankside roots	
Scam continuous			Underwater tree roots	
Continuous			Fallen trees	
			Course woody debris	

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present E (2-11%)
Marginal deadwater	
Exposed bedrock	
Exposed boulders	
Unvegetated mid channel bar(s)	
Vegetated mid channel bar(s)	
Mature island(s)	
Unvegetated side bar(s)	
Vegetated side bar(s)	

**WATERFALLS AND ASSOCIATED FEATURES**

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (2-11%)
Canoe(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid channel bar(s)		
Ram(s)			Vegetated mid channel bar(s)		
Bed(s)			Mature island(s)		
Slide(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features):

**RIVER ABILITY SURVEY (R.A.S.)**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	5.40	RIGHT BANK	Banktop height (m)	1.30
Banktop height (m)	Water width (m)	3.40	Banktop width (m)	Water depth (m)	0.25
Embankment height (m)	Water depth (m)	0.25	Embankment height (m)		

If waterline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**NATURAL FEATURES**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Rambridges = Other =

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**EVIDENCE OF ACTIVE MANAGEMENT**

None  Dredging  Moving  Weed-cutting   
 Enhancement  Other? State:

**CHARACTER OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) ...  
 Bridled/race channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHOKED CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES

**CHANNEL VEGETATION**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? Name Rhododendron bracken

**MAJOR IMPACTS**

landfill - tipping - liner - sewage - pollution - drought - abstraction - mill - dam - road - oil - industry - housing - retaining - quarrying - overtopping - afforestation - fisheries management - sluicing - other =

Land Management: set aside - buffer strip - headland - abandoned land - perturbed - MoD - other =

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: **Removal of very old Much Sparganium in some areas of the channel. PFTT open water is a drainage channel which gives the main channel.**

Address: None  Present  Extensive  Damaged Address? None  Present  Extensive

1990 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing. Page 1 of 4

### A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

### B. SPOTS SURVEY DETAILS

Reference network site number: **6675**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: **T3 23 2009** River: **TAS**  
 Date **3.17.1996** Time: **11.17** Surveyor name **P.S.** Accreditation code **PF35**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

### C. DOMINANT VALLEY FORM (tick one box only)

shallow vee  concave/bowl (If U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

### D. NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box only)

Riffles  Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1990 RIVER HABITAT SURVEY WITH SPOTCHECKS. Page 2 of 4

### E. PHYSICAL ATTRIBUTES (tick one box only)

Spot check 1 is upstream  downstream

Material (NY, BL, BO, CO, CL, CR, CP, CL, CC, CP, NY, GA, BR, RW)	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE, NO, AS, AL, PC, BM, EM)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (NY, NO, EC, SC, PR, VP, SR, VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (NY, BL, BO, CO, CL, CR, CP, CL, CC, CP, NY, GA, BR, RW)	SL	SL	SL	SL	SL	SP	SP	SL	SL
Substrate shape (F, OV, EL, SP, CU, PD, IL, Otherr - name)	NA	NA	NA	NA	NA	NA	IR	NA	NU
Flow type (FF, CH, SW, UN, CF, RP, UP, SM, NP, NO)	SM	SM	SM	SM	SM	SM	RO	SM	SM
Channel modification(s) (NE, NO, AS, AL, PC, BM, EM)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (NY, NO, EC, SC, PR, VP, SR, VS)	NO	NO	NO	NO	NO	NO	NO	NO	NO

### F. BANKTOP LAND USE AND VEGETATION STRUCTURE (tick one box only)

Land use: choose one from BL, CP, OR, NH, SC, TH, RP, AG, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	TH	BL	TH	SU	SU
LEFT BANK TOP (structure within 1m) (BU/SUC)	U	S	C	S	S	S	S	S	U	U
LEFT BANK FACE (structure) (BU/SUC)	U	S	C	S	S	S	S	U	U	U
RIGHT BANK FACE (structure) (BU/SUC)	S	S	S	B	S	S	B	S	S	S
RIGHT BANK TOP (structure within 1m) (BU/SUC)	U	U	U	B	U	U	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS

### G. PLANT GENERA (list first 5)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/bedges/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg float/linear-leaved										
Filamentous algae										

1990 RIVER HABITAT SURVEY WITH SPOTCHECKS. Page 3 of 4

### H. LAND USE WITHIN 50m OF BANKTOP (tick one box only)

Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	Rough pasture (RP)	<input checked="" type="checkbox"/>
Coniferous plantation (CP)	<input type="checkbox"/>	Improved/semi-improved grass (IG)	<input type="checkbox"/>
Orchard (OR)	<input type="checkbox"/>	Tilled land (TL)	<input type="checkbox"/>
Moorland/heath (MH)	<input type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input type="checkbox"/>
Scrub (SC)	<input type="checkbox"/>	Open water (OW)	<input type="checkbox"/>
Tall herb rank vegetation (TH)	<input type="checkbox"/>	Suburban/urban development (SU)	<input type="checkbox"/>

### I. CHANNEL DIMENSIONS AND ASSOCIATED FEATURES

Natural/unmodified	<input checked="" type="checkbox"/>	Artificial/modified	<input type="checkbox"/>
Vertical/undercut	<input checked="" type="checkbox"/>	Resectioned	<input type="checkbox"/>
Vertical + toe	<input type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>
Sloep (>45°)	<input type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>
Scute	<input type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>
Composite	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>
		Poached	<input type="checkbox"/>
		Embanked	<input type="checkbox"/>
		Set-back embankments	<input type="checkbox"/>

### J. TREES (tick one box per bank)

None	<input type="checkbox"/>	Left	<input checked="" type="checkbox"/>	Right	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>				
Regularly spaced, single	<input type="checkbox"/>				
Occasional clumps	<input type="checkbox"/>				
Semi-continuous	<input type="checkbox"/>				
Continuous	<input checked="" type="checkbox"/>				

### K. ASSOCIATED FEATURES (tick one box per feature)

Shading of channel	<input type="checkbox"/>	None	<input checked="" type="checkbox"/>	Present E (≥ 33%)	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>				
Exposed bankside roots	<input type="checkbox"/>				
Underwater tree roots	<input type="checkbox"/>				
Fallen trees	<input type="checkbox"/>				
Coarse woody debris	<input type="checkbox"/>				

### L. CHANNEL CHOKED WITH VEGETATION?

Is 33% or more of the channel choked with vegetation? NO  YES

### M. OTHER PLANT GENERA (list first 5)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nontk Rhododendron bracken

### N. MAJOR IMPACTS

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: *open water in pool channel, 1 day after visit. After rain in ground, hill, lot of grass growing by deeper flow place.*

1990 RIVER HABITAT SURVEY WITH SPOTCHECKS. Page 4 of 4

### O. CHANNEL DIMENSIONS AND INDIATORS

LEFT BANK	Banktop width (m)	4.60	RIGHT BANK		
Banktop height (m)	0.50	Water width (m)	3.10	Banktop height (m)	0.80
Embanked height (m)		Water depth (m)	0.30	Embanked height (m)	

If trushline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

### P. STRUCTURE CHARACTERISTICS

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

### Q. EVIDENCE OF RIVER MANAGEMENT

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

### R. FEATURES OF SPECIAL INTEREST

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flats

### S. CHANNEL CHOKED WITH VEGETATION?

Is 33% or more of the channel choked with vegetation? NO  YES

### T. OTHER PLANT GENERA (list first 5)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nontk Rhododendron bracken

### U. MAJOR IMPACTS

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: *open water in pool channel, 1 day after visit. After rain in ground, hill, lot of grass growing by deeper flow place.*

### V. CHANNEL CHOKED WITH VEGETATION?

Is 33% or more of the channel choked with vegetation? NO  YES



**5. RIVER HABITAT SURVEY FORM: PHYSICAL ATTRIBUTES**

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/Lm) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation?  Y  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: **6676**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: **TJ 329068** River: **YARE**  
 Date: **3.17.1996** Time: **17:20** Surveyor name: **P. Leith** Accreditation code: **PF35**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box)**

Riffles: \_\_\_\_\_ Unvegetated point bars: \_\_\_\_\_  
 Pools: \_\_\_\_\_ Vegetated point bars: \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

**6. RIVER HABITAT SURVEY FORM: DIMENSIONS AND INFLUENCES**

**PHYSICAL ATTRIBUTES**

TALLY (see PDF) for - Riffles Pools Unveg. side bars Veg. point bars

Spot check 1 (if upstream)	2	3	4	5	6	7	8	9	10
Material	NV	NV	NV	NV	NV	NV	NV	NV	NV
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Point bars	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE WITHIN 5m OF BANKTOP (L)**

LEFT BANK-TOP (structure within 1m)	BL	BL	TH	TH	BL	BL	TH	TH	BL
LEFT BANK FACE (structure)	S	BL	S	U	NV	S	S	S	S
RIGHT BANK FACE (structure)	S	C	S	S	S	S	U	U	U
RIGHT BANK-TOP (structure within 1m)	S	S	S	S	S	S	U	U	U

**LAND USE WITHIN 5m OF BANK TOP (R)**

TH	BL	BL	BL	BL	BL	TH	TH	TH	TH
----	----	----	----	----	----	----	----	----	----

**PLANT GENERA - list first 5**

Bryophytes/lichens									
Emerg broad-leaved herbs									
Emerg reeds/sedges/rushes									
Flowering-leaved (rooted)									
Free-flowering									
Amphibious									
Submerged broad-leaved									
Submerged fine/linear-leaved									
Filamentous algae									

**7. RIVER HABITAT SURVEY FORM: VEGETATION AND ASSOCIATED FEATURES**

**VEGETATION**

Broads/limited woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/local improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen) (WZ)		E
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**ARTIFICIAL/MODIFIED**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)		E	Reinforced - top only		
Geotile			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**TREES (tick one box per bank)**

None	Left	Right	Shading of channel	None	Percent E (2-11%)
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-contiguous			Fallen trees		
Continuous			Obtain woody debris		

**ASSOCIATED FEATURES (tick one box per feature)**

None	None	Percent E (2-11%)
Marginal deadwater		
Exposed bedrock		
Exposed boulders		
Unvegetated mid channel bar(s)		
Vegetated mid channel bar(s)		
Mature island(s)		
Unvegetated side bar(s)		
Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): \_\_\_\_\_

**8. RIVER HABITAT SURVEY FORM: SPECIAL INTEREST**

**EXTRAORDINARY DIMENSIONS**

LEFT BANK	Banktop width (m)	NV	RIGHT BANK	Banktop width (m)	NV
Banktop height (m)	Water width (m)	1.9	Banktop height (m)	Water width (m)	1.9
Embanked height (m)	Water depth (m)	NV	Embanked height (m)	Water depth (m)	NV

If trawl line then banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES**

None  Number of: Overtops = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**INFLUENCES OF SPECIAL INTEREST**

None  Dredging  Moving  Weir cutting   
 Enhancement  Other? State: \_\_\_\_\_

**GRANDS OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bridled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pan  Flush

**CHOKED CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES

**PROTECTED OR SENSITIVE AREAS**

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (Name Rhododendron bracken)

**MAJOR IMPACTS**

Major impacts: landfill tipping - litter - sewage - pollution - dredging - abstraction - mill - dam - road - mill industry - bombing - mining - quarrying - overstocking - afforestation - fisheries management - silting - other = \_\_\_\_\_

Land Management: set aside - buffer strip - heathland - abandoned land - parkland - MoD - other = \_\_\_\_\_

Animals: *great crested grebe* - water vole - kingfisher - dipper - grey wagtail - sand martin (breed) - dragonflies/damselflies

Other significant observations: *large river, much of LBP not visible. Numerous patches of algal mat, part of site inaccessible due to reed cover. One large water lily pond, one small pond dug by owner of land.*

Alford? None  Present  Extensive  Disused Alford? None  Present  Extensive



**1996 RIVER HABITAT SURVEY - BACKGROUND MAP-BASED INFORMATION**

Altitude (m) ... Slope (m/km) ... Flow category (1-10)  
 Solid geology code ... Drift geology code ... Platform category  
 Distance from source (km) ... Significant tributary? ... Navigation?  
 Height of source (m) ... Water Quality Class

Reference network site number: **6677**

Mid-site grid reference of network site if different from designated location:

Grid Reference: **Ty 426 094** River: **UN-NAMEO**  
 Date: **4.7.1996** Time: **11:20** Surveyor name: **P. Loritt** Accreditation code: **PF 35**

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM**

shallow vee  concave/bowl   
 deep vee  symmetrical floodplain   
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS**

Rifles Unvegetated point bars  
 Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. R. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY - SPOT CHECKS**

TALLY (see IFE) for - Rifles Pools Unveg. side bars Veg point bars

Spot check 1 is: upstream <input type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA							
Bank modification(s)	EM	EM	EM							
Bank feature(s)	NO	NO	NO							
Channel substrate	SI	SI	SI							
Substrate shape	NA	NA	NA							
Flow type	NO	NO	NO							
Channel modification(s)	RS	RS	RS							
Channel feature(s)	NO	NO	NO							
<b>RIGHT BANK</b>										
Material	EA	EA	EA							
Bank modification(s)	EM	EM	EM							
Bank feature(s)	NO	NO	NO							
<b>LEFT BANK</b>										
Material	EA	EA	EA							
Bank modification(s)	EM	EM	EM							
Bank feature(s)	NO	NO	NO							
<b>LAND USE WITHIN 5m OF BANKTOP (L)</b>	TH	SC	IS							
LEFT BANK-TOP (structure within 1m)	U	C	U							
LEFT BANK FACE (structure)	U	S	U							
RIGHT BANK FACE (structure)	U	S	U							
RIGHT BANK-TOP (structure within 1m)	U	U	U							
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH							
<b>VEGETATION</b>										
<b>NON-PLANT GENERA - list first 5</b>										
Bryophytes/lichens										
Emerg broad-leaved herbs	E	E	E							
Emerg reeds/sedges/rubus	E	E	E							
Floating leaved (rooted)										
Froo-floating										
Amphibious										
Submerged broad leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. **6677**

**VEGETATION**

	L	R		L	R
Branched/realized woodbed (BL)			Rough pasture (RP)	E	E
Coniferous plantations (CP)			Improved/mixed-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/ruft vegetation (TH)			Suburban/urban development (SU)		

**ARTIFICIAL/MODIFIED**

	L	R	Artificial/modified	L	R
Vertical/woodcut			Revetment	E	E
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Leads			Reinforced - toe only		
Logpoles			Artificial two-stage		
			Poached		
			Embankment		
			Set-back embankments		

**TRISES (tick one box per bank)**

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (2.33%)
None			Shading of channel		
Unladen/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi continuous			Fallen trees		
Continuous			Coarse woody debris		

**WATERBODIES**

	None	Percent E (2.33%)	None	Percent E (2.33%)
Waterfall(s)			Marginal deadwater	
Caecides(s)			Exposed bedrock	
Rapids(s)			Exposed boulders	
Riffles(s)			Unvegetated mid-channel bar(s)	
Ran(s)			Vegetated mid channel bar(s)	
Boil(s)			Mature island(s)	
Obide(s)			Unvegetated side bar(s)	
Pool(s)			Vegetated side bar(s)	

Indicate predominant flow sequence (select up to three features): **DRY CHANNEL**

**1996 RIVER HABITAT SURVEY - DIMENSIONS AND DRAINAGE**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	8.70	RIGHT BANK
Banktop height (m)	1.20	Water width (m)	4.70
Embankment height (m)		Water depth (m)	

If gradient lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**NOISE**

None  Number of Culverts =  Weirs =  Outfalls =  Fords =   
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site  **Widge**

**EVIDENCE OF DIRECT MANAGEMENT**

None  Dredging  Mowing  Weed-cutting   
 Embankments  Other? State:

**SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pea  Flush

**CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOISE**

None  Glass Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  **Mulla Rhododendro bractea**

Major impacts:  landfill  tipping  litter  sewage  pollution  drought  obstruction  mill  dam  rail  electricity  housing  mining  quarrying  overcropping  afforestation  fisheries management  tilting  other?

Land Management: set-aside  buffer strip  headland  abandoned land  parkland  MoD  other?

Animals: other  minx  water vole  kingfisher  dipper  grey rail  wood warbler  heron  (dragons/damselflies)

Other significant observations: **Dry channel lot of reeds (growing + remains of) Natural open water in channels along the river.**

Alders? None  Present  Extensive  Dispersed Alders? None  Present  Extensive

**1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing** Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6678  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SJ 677917 River: CLETWYR  
 Date 23.5.1996 Time 09.15 Surveyor name N. GRIEVE Accreditation code: F.12

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl  
 (if U-shaped glacial valley - add 'U')

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 7 Unvegetated point bars \_\_\_\_\_  
 Pools 30 Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS** Page 2 of 4

Fully (use IFE) for: Riffles Pools Unveg. side bars Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transect) - one entry only**

Spot check 1 is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
Material (W, B, SO, CO, CL, AL, LO, CC, SP, WP, GL, BR, RW)	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s) (NE, NO, AS, RP, CL, BM, EM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bank feature(s) (W, NO, EC, SC, PB, VP, SB, VS)	UN	UN	UN	UN	UN	UN	UN	UN	UN	UN
Channel substrate (W, BE, SO, CO, CL, AL, LO, CC, SP, WP, GL, BR, RW)	CL	CL	CL	CL	CL	CL	CL	CL	CL	CL
Substrate shape (FL, OV, EL, SP, CU, PO, B, Other = none)	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type (FF, CH, BW, UN, CF, RP, UP, SM, AR, NM)	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
Channel modification(s) (NE, NO, CV, AS, RP, CL, BM, EM)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Channel feature(s) (W, NO, RD, AB, VP, BM, EM)	UN	UN	UN	UN	UN	UN	UN	UN	UN	UN

**RIGHT BANK - TICK if functional fence**

Material (W, B, SO, CO, CL, AL, LO, CC, SP, WP, GL, BR, RW)  
 Bank modification(s) (NE, NO, AS, RP, CL, BM, EM)  
 Bank feature(s) (W, NO, EC, SC, PB, VP, SB, VS)

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, FH, RP, AG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	CP	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m) (W, U, S, C)	W	U	S	C	W	U	S	C	W	U
LEFT BANK FACE (structure) (W, U, S, C)	W	U	S	C	W	U	S	C	W	U
RIGHT BANK FACE (structure) (W, U, S, C)	W	U	S	C	W	U	S	C	W	U
RIGHT BANK TOP (structure within 1m) (W, U, S, C)	W	U	S	C	W	U	S	C	W	U
LAND USE WITHIN 5m OF BANK TOP (R)	CP	BL	BL	BL	BL	BL	BL	BL	BL	BL

**G. CHANNEL VEGETATION**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg broad leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad leaved										
Submerged fine/linear-leaved										
Filamentous algae										

**1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES** Page 3 of 4

**H. CHANNEL DIMENSIONS (to be measured in the narrowest channel section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	<u>5.0</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>2.2</u>	Banktop height (m)	<u>1.2</u>
Embanked height (m)	Water depth (m)	<u>0.14</u>	Embanked height (m)	

If trathline lower than banktop break in slope, indicate: height (m) = 0.8 width (m) = 4.3

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**I. NATURAL/SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**J. CHOKED CHANNELS (to be measured in the narrowest channel section)**

Is 33% or more of the channel choked with vegetation? NO  YES

**K. ORGANIC OBSTACLES (to be measured in the narrowest channel section)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**L. OVERALL CHANNEL PROPERTIES**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set-aside - buffer strip - headland - shapwood land - parkland - MoD - other? = GHYLL

Animals: otter - mink - water vole - kingfisher - dipper grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: 1. Shallow channel with wide shallow banks and some vegetation

**M. ALDERS (to be measured in the narrowest channel section)**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

**1996 RIVER HABITAT SURVEY - TREE AND ASSOCIATED FEATURES** Page 4 of 4

**N. TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees
			Course woody debris

**O. ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Present	E (2.33%)
Cascade(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**P. ASSOCIATED FEATURES (tick one box per feature)**

Marginal deadwater	None	Present	E (2.33%)
Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features): CASCADE

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing. Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B FIELD SURVEY DETAILS**

Reference network site number: 6679  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: SN 794978 River: DULAS (SOUTH)  
 Date: 23/5/1996 Time: 15:00 Surveyor name: J. FRIEVE Accreditation code: DF 12

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C DOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total)**

Rifles 7 Unvegetated point bars \_\_\_\_\_  
 Pools 2 Vegetated point bars \_\_\_\_\_

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (use IFE) for: Rifles \_\_\_\_\_ Pools \_\_\_\_\_ Unveg. side bars \_\_\_\_\_ Veg. point bars \_\_\_\_\_

**E PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transect) - one entry only**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
RIGHT BANK										
Material	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s)										
Bank feature(s)										
Channel substrate	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Substrate shape										
Flow type										
Channel modification(s)										
Channel feature(s)										
RIGHT BANK										
Material										
Bank modification(s)										
Bank feature(s)										

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from: BL, CP, OR, MH, SC, TH, RP, IG, FL, MW, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP (structure within 1m) BU/SC										
LEFT BANK FACE (structure) BU/SC										
RIGHT BANK FACE (structure) BU/SC										
RIGHT BANK-TOP (structure within 1m) BU/SC										
LAND USE WITHIN 5m OF BANK TOP (R)										

**G CHANNEL VEGETATION COVER (tick one box only)**

NONE										
Bryophytes/lichens										
Emerg broad leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

SITE NO. 6679 RIVER HABITAT SURVEY - CHANNEL VEGETATION

**H CHANNEL VEGETATION (tick one box per bank)**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
All herbs - rank vegetation (TH)			Suburban/urban development (SU)		

**I CHANNEL VEGETATION (tick one box per bank)**

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/erect			Erect/erect		
Vertical + toe			Reinforced - whole bank		
Slope (>45)			Reinforced - top only		
Gentle			Reinforced - toe only		
Topographic			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**J EXTENT OF TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 11%)
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Coarse woody debris		

**K CHANNEL VEGETATION (tick one box per bank)**

	None	Present E (≥ 11%)		None	Present E (≥ 11%)
Waterfall(s)			Marginal deadwater		
Cascades(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid-channel bar(s)		
Race(s)			Vegetated mid-channel bar(s)		
Boil(s)			Mature island(s)		
Slide(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): RAPID, LOW RIFFLE, 2 MUTE

1996 RIVER HABITAT SURVEY - DIMENSIONS AND DIMENSIONS Page 3 of 4

**K CHANNEL DIMENSIONS (to be assessed across channel within 1m wide transect)**

LEFT BANK	Banktop width (m)	<u>14.0</u>	RIGHT BANK		
Banktop height (m)	<u>2.2</u>	Water width (m)	<u>9.0</u>	Banktop height (m)	<u>2.2</u>
Embanked height (m)		Water depth (m)	<u>0.3</u>	Embanked height (m)	

If traskline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**L CHANNEL VEGETATION**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Foodbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**M CHANNEL VEGETATION MANAGEMENT**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? Slats

**N CHANNEL VEGETATION OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brakes/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**O CHANNEL VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**P CHANNEL VEGETATION**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - over-deepening - afforestation - fisheries management - silting - other = \_\_\_\_\_

Land Management: set-aside - buffer strip - bedland - abandoned land - parkland - MoD (Other) = Recent Arable on RD 20.215

Animals: otter - mink - water vole - kingfisher (dipper) - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Fast flow channel BS at top - water out  
at bank & water level low

**Q CHANNEL VEGETATION**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

(Some BD over!)

1996 RIVER HABITAT SURVEY with IFE forms for plant genera and function. Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B WATERSHED SURVEY DETAILS**

Reference network site number: 6680  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SN 873958 River: TWMMYN  
 Date: 24.5.1996 Time: 10:30 Surveyor name: GRIEVE Accreditation code: PF 12

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 4 Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (use 0/1 for riffles) Pools Unveg. indicators Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transect) - one survey only.**

Spot check 1 is: upstream  downstream

Spot check 1 is: upstream/downstream	1	2	3	4	5	6	7	8	9	10
Material <sup>NY, BE, BO, CO, CS, EA, FE, FL, CL, CC, SP, WF, GA, BR, RR, BW</sup>	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Bank modification(s) <sup>NE, NO, RS, RJ, PC, BM, EM</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <sup>NY, NO, EC, SC, PR, VP, SV, VS</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <sup>NY, BE, BO, CO, GP, SA, ST, CL, PE, AR</sup>	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape <sup>FL, OV, EL, SP, CU, PO, DL, Othrs - note</sup>	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type <sup>FF, CH, BW, UN, CS, AP, UP, SH, HP, NO</sup>	UN	UN	UN	UN	UN	UN	UN	UN	UN	UN
Channel modification(s) <sup>NE, NO, CV, RS, RJ, DA, FO</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <sup>NY, NO, RO, AB, VB, ML, TR</sup>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK** TICE if exceptional fence

Material <sup>NY, BE, BO, CO, CS, EA, FE, FL, CL, CC, SP, WF, GA, BR, RR, BW</sup>  
 Bank modification(s) <sup>NE, NO, RS, RJ, PC, BM, EM</sup>  
 Bank feature(s) <sup>NY, NO, EC, SC, PR, VP, SV, VS</sup>

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use, choose one from BL, CP, OR, NH, SC, TN, RP, IG, TL, ML, OW, SU

**LAND USE WITHIN 5m OF BANKTOP (L)**

LEFT BANK-TOP (structure within 1m) BAUSC										
LEFT BANK FACE (structure) BAUSC										
RIGHT BANK FACE (structure) BAUSC										
RIGHT BANK-TOP (structure within 1m) BAUSC										

**LAND USE WITHIN 5m OF BANK TOP (R)**

--	--	--	--	--	--	--	--	--	--	--

**G CHANNEL VEGETATION TYPES (flow)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Flowering leaved (rooted)										
Free-floating										
Ambiphorous										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. 6680

**H. BANKTOP VEGETATION AND ASSOCIATED FEATURES**

	L	R		L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/rust vegetation (TH)			Suburban/urban development (SU)		

**I. BANKTOP STRIPS AND ASSOCIATED FEATURES**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical undercut			Reconciled		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**J. TREES (tick one box per bank) ASSOCIATED FEATURES (tick one box per feature)**

None	Left	Right	None	Present E (≥ 33%)
Isolated/scattered			Shading of channel	
Regularly spaced, single			Overhanging boughs	
Occasional clumps			Exposed bankside roots	
Semi-continuous			Underwater tree roots	
Continuous			Fallen trees	
			Course woody debris	

**K. CHANNEL VEGETATION**

None	Present E	None	Present B (≥ 33%)
Waterfall(s)		Marginal deadwater	
Cascade(s)		Exposed bedrock	
Rapid(s)		Exposed boulders	
Riffle(s)		Unvegetated mid-channel bar(s)	
Rao(s)		Vegetated mid-channel bar(s)	
Boil(s)		Mature island(s)	
Slide(s)		Unvegetated side bar(s)	
Pool(s)		Vegetated side bar(s)	

Indicate predominant flow sequence (select up to three features): LOW FLOW RIFLES

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFERENCE Page 3 of 4

**L. CHANNEL DIMENSIONS (to be measured across channel within 1m wide transect)**

LEFT BANK	Banktop width (m)	<u>3.6</u>	RIGHT BANK
Banktop height (m)	Water width (m)	<u>6.1</u>	Banktop height (m)
Embanked height (m)	Water depth (m)	<u>0.3</u>	Embanked height (m)

If traskline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**M. CHANNEL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

None  Dredging  Mowing  Wood-cutting   
 Enhancement  > Other? State Channel dredged in 1960

**O. FEATURES OF SPECIAL INTEREST (to be reported in table below)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P. CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? No  Yes

**Q. SPECIAL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**R. MAJOR IMPACTS**

Major impacts: landfill  litter  sewage  pollution  drought  abstraction  mill  dam  road  rail  industry  housing  mining  quarrying  overtopping  afforestation  fisheries management  siltation  other? \_\_\_\_\_

Land Management: set-aside  buffer strip  woodland  abandoned land  partland  MoD  other? \_\_\_\_\_

Animals: otter  mink  water vole  kingfisher  dipper  grey wagtail  sand martin  heron  dragonflies/damselflies

Other significant observations:  
River was used for 0.3 m/s in 1960  
Dredged in 1960

**S. ALDERS (to be reported in table below)**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY DIMENSIONS AND FINE SCALES (Page 1 of 4)

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: **6683**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: **SO155903** River: **THE MALE**  
 Date: **5.1.1996** Time: **17:20** Surveyor name: **N. GRIEVE** Accreditation code: **PF12**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 (e.g. seat for some pools)

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)

and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORMS (tick one box only)**

shallow vcc  concave/bowl (if U-shaped glacial valley, add 'U')  
 deep vcc  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NO. OF RIFLES, POOLS AND POINT BARS**

Riffles **26** Unvegetated point bars \_\_\_\_\_  
 Pools **12** Vegetated point bars \_\_\_\_\_

AND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, DT12 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS (Page 2 of 4)

TALLY (see PDF) for - Riffles, Pools, Bars, Unveg. fish, herb, Veg. point bars

**PHYSICAL ATTRIBUTES (tick one box per cell)**

Spot check 1 is: upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material (M) A,B,C,D,E,F,G,H,I,J,K,L,M,N	SS	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification (M) A,B,C,D,E,F,G,H,I,J,K,L,M,N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature (F) A,B,C,D,E,F,G,H,I,J,K,L,M,N	VS	NO	NO	NO	NO	NO	EC	SB	NO	NO
Channel substrate (S) A,B,C,D,E,F,G,H,I,J,K,L,M,N	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape (FL) A,B,C,D,E,F,G,H,I,J,K,L,M,N	IR	NV	FL	NV	FL	NV	FL	IR	EL	EL
Flow type (T) A,B,C,D,E,F,G,H,I,J,K,L,M,N	UN	GM	UN	UN	UN	UN	UN	UN	UN	UN
Channel modification (M) A,B,C,D,E,F,G,H,I,J,K,L,M,N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature (F) A,B,C,D,E,F,G,H,I,J,K,L,M,N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK VEGETATION (tick one box per cell)**

Material (M) A,B,C,D,E,F,G,H,I,J,K,L,M,N	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification (M) A,B,C,D,E,F,G,H,I,J,K,L,M,N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature (F) A,B,C,D,E,F,G,H,I,J,K,L,M,N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE AND VEGETATION STRUCTURE (tick one box per cell)**

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, AG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	TL	AG	AG	AG	TH	AG	TL	TL
LEFT BANK TOP (structure within 1m) BASIC	C	C	C	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BASIC	S	C	B	C	C	S	B	S	S	U
RIGHT BANK FACE (structure) BASIC	S	S	S	C	S	U	S	S	S	S
RIGHT BANK TOP (structure within 1m) BASIC	S	S	S	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	TL	BL	TL	AG	AG	AG	AG	AG	AG

**VEGETATION WITHIN 5m OF BANKTOP (tick one box per cell)**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Acetabularia										
Submerged broad-leaved										
Submerged floating-leaved										
Filamentous algae										

SITE NO **6683** 1996 RIVER HABITAT SURVEY DIMENSIONS AND FINE SCALES (Page 3 of 4)

**LAND USE WITHIN 5m OF BANKTOP (tick one box per cell)**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' reed vegetation (TH)			Suburban/urban development (SU)		

**CHANNEL DIMENSIONS (tick one box per cell)**

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/vertical			Reinforced		
Vertical + toe			Reinforced - whole bank		
Sloped (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**TRUSS (tick one box per bank)**

	Left	Right		None	Present B (≥ 2.5%)
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Small continuous			Fallen trees		
Continuous			Covered woody debris		

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Present B (≥ 2.5%)
Waterfall(s)		
Canal(s)		
Rapid(s)		
Riffle(s)		
Ran(s)		
Pool(s)		
Obstacle(s)		
Pool(s)		

**INDICATE PREDOMINANT FLOW SEQUENCE (select up to three features):** RIFFLE - POOL

1996 RIVER HABITAT SURVEY DIMENSIONS AND FINE SCALES (Page 4 of 4)

**CHANNEL DIMENSIONS (tick one box per cell)**

LEFT BANK	Banktop width (m)	3.9	RIGHT BANK	Banktop width (m)	3.9
Banktop height (m)	2.1	Water width (m)	3.75	Banktop height (m)	0.7
Embanked height (m)		Water depth (m)	0.1	Embanked height (m)	

If embankment lower than banktop break in slope, indicate height (m) = 0.7 (min) = (2.996 channel !!)

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL VEGETATION (tick one box per cell)**

None	Number of Culverts =	Wires =	Outfalls =	Fords =
	Footbridges =	Roadbridges =	Other =	

Is water impounded by weirs/fords? No  Yes, < 33% of site  > 33% of site

**CHANNEL VEGETATION (tick one box per cell)**

None	Dredging <input type="checkbox"/>	Mowing <input type="checkbox"/>	Wood-cutting <input type="checkbox"/>
	Enhancement <input type="checkbox"/>	Other? State _____	

**MEASURES OF SPECIAL INTEREST (tick one box per cell)**

None	Waterfalls > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state) _____
	Brick/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	
	Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
	Leafy debris <input type="checkbox"/>	Pea <input type="checkbox"/>	Flush <input type="checkbox"/>	

**EXPOSED CHANNEL (tick one box per cell)**

Is 33% or more of the channel choked with vegetation? NO  YES

**PAVING/IMPROVING CHANNELS (tick one box per cell)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron baccata

**VEGETATION WITHIN 5m OF BANKTOP (tick one box per cell)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Lead Management: set-back - buffer strip - headland - stonehead lead - Portland - MoD - other? = \_\_\_\_\_

Animals: otter - minnow - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: GP substrate; RF - pool; siltance > 1m deep channel; set in wide (older) terrace.

**ALDERS (tick one box per cell)**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive





BACKGROUND MAP-BASED INFORMATION

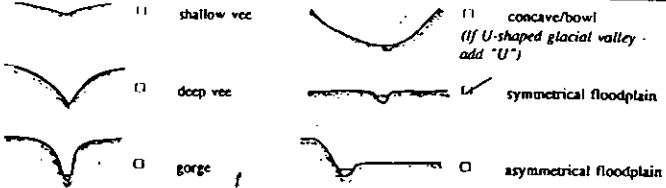
Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 6685  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: S0 391 928 River: CRIFTON BROOK  
 Date: 05/11/1996 Time: 16:15 Surveyor name: P. Lee Accreditation code: PF 35

Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)  
 Riffles 2 Unvegetated point bars 2  
 Pools 0 Vegetated point bars 0

DO NOT COMPLETE FORMS WEEKLY plus all water samples and expenses claims TO F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

TALLY (use IFE for riffles, pools, Unveg. side bars, Veg point bars)

B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is upstream / downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (functional escape)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL (NEW - substrate shape codes)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel substrate	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Substrate shape	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
New type	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if (functional focus)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, DR, MH, SC, TH, UP, RL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IS	IS	IS	IS	FP	IS	IS	SC	RP	RP
LEFT BANK-TOP (structure within 1m) BUI/SC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BUI/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BUI/SC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BUI/SC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IS	IS	IS	IS	FP	IS	IS	SC	RP	RP

G CHANNEL VEGETATION TYPES (10m wide transect; E (>33% area) or tick (present) 500m)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	✓	✓	E							
Emerg broad-leaved herbs										
Emerg roots/stems/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

TE NO. 6685 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (10m wide transect; E (>33% area) or tick (present) 500m)

LEFT BANK	Banktop width (m)	<u>2.90</u>	RIGHT BANK	Banktop width (m)	<u>2.90</u>
Banktop height (m)	<u>0.50</u>	Water width (m)	<u>2.10</u>	Banktop height (m)	<u>0.55</u>
Embanked height (m)		Water depth (m)	<u>0.10</u>	Embanked height (m)	

If trachee lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

STRUCTURAL ATTRIBUTES

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges =  
 In water imposed by weir/dam? No  Yes, <33% of site  >33% of site

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? Static

CHARACTERISTICS OF SPECIAL INTEREST (tick appropriate box(es))

None  Waterfalls > 5m high  Artificial open water  Bog  Other (static)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

NOTABLE RUSSIAN PLANTS (tick box(es)) (US: ONLY LARGE STANDS of others eg)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nordic Rhododendron bractea

MAJOR RIVER CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - quarrying - mining - quarrying - overstocking - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: small active channel, shallow.

ALDERS (tick appropriate box(es))

Alders? None  Present  Extensive  Discarded Alders? None  Present  Extensive

TRICES (tick one box per bank)

None	Left	Right	Shading of channel	None	Present E (>33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

None  Present E (>33%)

Marginal deadwater  Present  E (>33%)

Exposed bedrock  Present  E (>33%)

Exposed boulders  Present  E (>33%)

Unvegetated mid-channel bar(s)  Present  E (>33%)

Vegetated mid-channel bar(s)  Present  E (>33%)

Mature island(s)  Present  E (>33%)

Unvegetated side bar(s)  Present  E (>33%)

Vegetated side bar(s)  Present  E (>33%)

Waterfall(s)  Present E

Cascade(s)  Present E

Rapid(s)  Present E

Riffle(s)  Present E

Run(s)  Present E

Brill(s)  Present E

Slide(s)  Present E

Pool(s)  Present E

date predominant flow sequence (select up to three features): run / slide

**1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing**, Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: **6686**  
 Mid-site grid reference of network site if different from designated location.

Grid Reference: **S0462954** River: **COJAO BROOK**  
 Date: **7.15.1996** Time: **18:00** Surveyor name: **P. Scudlark** Accreditation code: **PF35**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles: **9** Unvegetated point bars: \_\_\_\_\_  
 Pools: \_\_\_\_\_ Vegetated point bars: \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS**, Page 2 of 4

DATE: **7/15/96** TIME: **18:00** SURVEYOR: **P. Scudlark** ACCREDITATION: **PF35**

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)** - macrolith only

Site no. & 10m upstream	1	2	3	4	5	6	7	8	9	10																																																							
LEFT BANK TICK if functional fence	<table border="1"> <tr><td>Material</td><td>EA</td><td>EA</td><td>EA</td><td>EA</td><td>EA</td><td>EA</td><td>EA</td><td>EA</td><td>EA</td><td>EA</td></tr> <tr><td>Bank modifications</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td></tr> <tr><td>Bank features</td><td>NO</td><td>NO</td><td>SB</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td></tr> </table>										Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	Bank modifications	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Bank features	NO	NO	SB	NO	NO	NO	NO	NO	NO	NO																						
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA																																																							
Bank modifications	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO																																																							
Bank features	NO	NO	SB	NO	NO	NO	NO	NO	NO	NO																																																							
CHANNEL NEW - substrate shape codes =	<table border="1"> <tr><td>Channel substrate</td><td>YP</td><td>SP</td><td>BE</td><td>BP</td><td>RP</td><td>PP</td><td>PP</td><td>PP</td><td>PP</td><td>PP</td></tr> <tr><td>Substrate shape</td><td>IR</td><td>IR</td><td>IR</td><td>IR</td><td>IR</td><td>IR</td><td>IR</td><td>IR</td><td>IR</td><td>IR</td></tr> <tr><td>Flow type</td><td>SM</td><td>RP</td><td>RP</td><td>RP</td><td>RP</td><td>SM</td><td>SM</td><td>SM</td><td>SM</td><td>SM</td></tr> <tr><td>Channel modifications</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td></tr> <tr><td>Channel features</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td></tr> </table>										Channel substrate	YP	SP	BE	BP	RP	PP	PP	PP	PP	PP	Substrate shape	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR	Flow type	SM	RP	RP	RP	RP	SM	SM	SM	SM	SM	Channel modifications	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Channel features	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	YP	SP	BE	BP	RP	PP	PP	PP	PP	PP																																																							
Substrate shape	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR																																																							
Flow type	SM	RP	RP	RP	RP	SM	SM	SM	SM	SM																																																							
Channel modifications	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO																																																							
Channel features	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO																																																							
RIGHT BANK TICK if functional fence	<table border="1"> <tr><td>Material</td><td>EA</td><td>EA</td><td>EA</td><td>EA</td><td>EA</td><td>EA</td><td>EA</td><td>EA</td><td>EA</td><td>EA</td></tr> <tr><td>Bank modifications</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td></tr> <tr><td>Bank features</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td><td>NO</td></tr> </table>										Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	Bank modifications	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	Bank features	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO																						
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA																																																							
Bank modifications	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO																																																							
Bank features	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO																																																							

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, IM, MH, SC, III, RP, SG, ST, WT, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP (structure within 1m) BAUSC	U	S	S	S	S	U	U	U	U	U
LEFT BANK FACE (structure) BAUSC	U	U	U	S	S	U	S	U	U	U
RIGHT BANK FACE (structure) BAUSC	U	B	B	S	S	E	S	U	U	U
RIGHT BANK TOP (structure within 1m) BAUSC	U	U	U	S	S	S	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	U	U	BL	SC	BL	U	S	SU	RP	RP

**G CHANNEL VEGETATION TYPES (10m wide transect: E (≥ 33% area) or tick (sprays) 500m catch-all)**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg roots/edges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

**SITE NO. 6686** RIVER HABITAT SURVEY

**H CHANNEL DIMENSIONS AND FEATURES**

LEFT BANK	Banktop width (m)	<b>4.55</b>	RIGHT BANK	Banktop width (m)	<b>4.55</b>
Banktop height (m)	Water width (m)	<b>4.10</b>	Banktop height (m)	Water depth (m)	<b>0.50</b>
Embanked height (m)	Water depth (m)	<b>0.40</b>	Embanked height (m)		

If transect lower than banktop break in slope, indicate: height (m) = width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**I CHANNEL VEGETATION (tick one box per feature)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = 1 Roadbridges = 1  
 In water impounded by weir/dam? No  Yes, < 33% of site  > 33% of site

**J EVIDENCE OF BEST MANAGEMENT**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State \_\_\_\_\_

**K FEATURES OF SPECIAL INTEREST (tick one box per feature)**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**L CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**M NOTABLE PLANT SPECIES (tick one box per feature)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

**N OVERLOOKING FEATURES**

Major aspects: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - siting - other? = \_\_\_\_\_

Leed Management: set-back - buffer strip - headland - abandoned land - partland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: **At half is shallow rapid flowing with riffles through sheep grazing - then run through grasses where flow is slower (glides), and deeper.**

Alders? None  Present  Extensive  Disturbed Alders? None  Present  Extensive

**INDICATED VEGETATION OF BANKS**

	L	R		L	R
Broadleaved woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)	<input checked="" type="checkbox"/>	
Coniferous plantation (CP)			Improved/poorly improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Orchard (OK)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	<input checked="" type="checkbox"/>		Open water (OW)		
Tall herbs - next vegetation (TH)			Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**INDICATED VEGETATION OF CHANNEL**

	L	R	Artificial/modified	L	R
Natural/unmodified			Reinforced		
Vertical/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Slope (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only		
Geotile		<input checked="" type="checkbox"/>	Artificial two-stage		
Composite			Poached	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked		
			Set-back embankments		

**INDICATED PRESENT OR TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)		ASSOCIATED FEATURES (tick one box per feature)	
None	<input checked="" type="checkbox"/>	Shading of channel	None <input type="checkbox"/> Present <input checked="" type="checkbox"/> E (≥ 33%)
Isolated/scattered	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/> <input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/> <input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/> <input type="checkbox"/>
Semi continuous	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/> <input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/> <input type="checkbox"/>

**INDICATED PRESENT OR CHANNEL FEATURES**

None		Marginal dead-water		None	Present
Waterfall(s)	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>				

Indicate predominant flow sequence (select up to three features):

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m)	Slope (m/km)	Flow category (1-10)
Soil geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary?	Navigation?
Height of source (m)	Water Quality Class	

**FIELD SURVEY DETAILS**  
 Reference network site number: 6687  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 50508911 River: LAKE HOUSE DRUM  
 Date: 21.5.1996 Time: 15:30 Surveyor name: P. Beckett Accreditation code: PF35

Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee	concave bowl (if U-shaped glacial valley, add 'U')
deep vee	<input checked="" type="checkbox"/> symmetrical floodplain
gorge	<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles 4 Unvegetated point bars 1  
 Pools 1 Vegetated point bars 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEKE, WAREHAM, BH20 6BB

**6 PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - 1 = once only**

Spot check 1-10 upstream - downstream	1	2	3	4	5	6	7	8	9	10
---------------------------------------	---	---	---	---	---	---	---	---	---	----

**LEFT BANK TICK if functional fence**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	RE	NO	NO	NO	NO
Bank feature(s)	EC	NO	NO	NO	EC	NO	NO	NO	NO	NO

**CHANNEL - NEW - substrate shape code =** FL FL FL FL FL FL FL FL FL FL FL

**RIGHT BANK TICK if functional fence**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	EC	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use choose one from: BL, CF, HR, ML, OC, TH, RP, SL, TL, WV, WV, WV, WV

LAND USE WITHIN 5m OF BANKTOP (L)	I	I	I	I	I	I	I	I	I	I
LEFT BANK TOP (structure within 1m) <u>BL/OC</u>	U	S	S	U	U	S	U	U	U	S
LEFT BANK FACE (structure) <u>BL/OC</u>	B	B	B	U	U	S	S	S	S	S
RIGHT BANK FACE (structure) <u>BL/OC</u>	U	U	S	B	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) <u>BL/OC</u>	U	U	U	U	S	S	U	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	I	I	I	I	I	I	I	I	I	I

**G CHANNEL VEGETATION TYPES (10m wide transect: E for 33% area) or tick (present) 500m reach only**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg roots/sedges/rushes										
Flowering leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

**LAND USE WITHIN 5m OF BANKTOP**

	L	R		L	R
wood/mixed woodland (BL)			<input checked="" type="checkbox"/>		
rough pasture (RP)					
improved/semi-improved grass (IG)				<input checked="" type="checkbox"/>	
Orchard (OR)					<input checked="" type="checkbox"/>
Moorland/heath (MH)					
Wetland (eg bog, marsh, fen) (WL)					
Open water (OW)					
Substratum/urban development (SU)					

**ARTIFICIAL/MODIFIED**

	L	R		L	R
Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Artificial two-stage					
Pounded			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Embarked					
Set-back embankments					

**TREATMENT OF TREES AND ASSOCIATED FEATURES**

<b>TREES (tick one box per bank)</b>	None	Left	Right	<b>ASSOCIATED FEATURES (tick one box per feature)</b>	None	Present	E (2-33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<b>Waterfall(s)</b>	None	Present	E	<b>Marginal deadwater</b>	None	Present	E (2-33%)
<b>Cascade(s)</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Exposed bedrock</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Rapid(s)</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Exposed boulders</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Riffle(s)</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Unvegetated mid-channel bar(s)</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Run(s)</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Vegetated mid-channel bar(s)</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Boul(s)</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Mature island(s)</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Slide(s)</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>Unvegetated side bar(s)</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Pool(s)</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Vegetated side bar(s)</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

etc predominant flow sequence (select up to three features):

**CHANNEL DIMENSIONS**

<b>LEFT BANK</b>	Banktop width (m)	<u>5.20</u>	<b>RIGHT BANK</b>		
Banktop height (m)	<u>1.10</u>	Water width (m)	<u>4.40</u>	Banktop height (m)	<u>1.00</u>
Embanked height (m)		Water depth (m)	<u>0.40</u>	Embanked height (m)	

If embankment lower than banktop break in slope, indicate: height (m) =          width (m) =         

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURAL FEATURES**

None  Number of Culverts = 1 Weirs = 1 Outfalls =          Fords =           
 Footbridges =          Roadbridges =          Other =           
 Is water impounded by weir/dam? No  Yes: <33% of site  >33% of site

**RECORDS OF RECENT MANAGEMENT ACTIONS (last 5 years)**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State:         

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Big Carr  Other (state)           
 Braided/side channels  Natural open water  Marsh   
 Debris dams  Water meadow  Flush   
 Leafy debris  Fen

**F CLOSED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE NUISANCE PLANT SPECIES (tick appropriate box(es))** IFE Site LABORATORIES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle/Rhododendron bractea

**MAJOR IMPACTS** bankfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siltation - other? =         

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD other? =         

Animals: other - minc - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: weir made from culverts/artificial

**ALDERS (tick appropriate box(es))**

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive



**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: **6689**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: **S0719930** River: **SEVERN**  
 Date: **6/5/1996** Time: **19:00** Surveyor name: **P. Scallan** Accreditation code:  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIPPLES, POOLS AND POINT BARS (indicate total number)**

Ripples: \_\_\_\_\_ Unvegetated point bars: \_\_\_\_\_  
 Pools: \_\_\_\_\_ Vegetated point bars: \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
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**1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS** Page 2 of 4

TALLY (see IFE) for: Ripples Pools Unveg. side bars Veg. point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

Spot check 1: upstream downstream

LEFT BANK	TICK if functional fence	1	2	3	4	5	6	7	8	9	10
Material (see IFE)		BR	CC	CC	BR	BR	EA	EA	EA	EA	EA
Bank modification(s)		RI	RI	RI	RI	NO	NO	NO	NO	NO	NO
Bank feature(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**CHANNEL** NEW - substrate shape code: **Flow Obd. Elongated Striped Channel Polyhedral Irregular Other - note**

Channel substrate		RP	NJ	RP	RP	RP	RP	RP	RP	RP	RP
Substrate shape		IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type		RP	RP	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)		MS	MS	MS	MS	NO	NO	NO	NO	NO	NO

**RIGHT BANK** TICK if functional fence

Material (see IFE)		BR	NV	NV	BR	BR	BR	NV	BR	CC	NV
Bank modification(s)		RI	NK	NK	RI	RI	NK	RI	RI	RI	NK
Bank feature(s)		NO	NK	NK	NO	NO	NK	NO	NO	NO	NK

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from R, CT, MH, NH, SC, TH, RP, R2, R3, W2, LW, S1

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK TOP (structure within 1m)	NU/SU	S	B	B	B	U	S	U	B	S	S
LEFT BANK FACE (structure)	NU/SU	U	B	U	B	S	S	S	S	S	S
RIGHT BANK FACE (structure)	NU/SU	NK	NK	NK	B	B	NV	NV	NV	NV	NV
RIGHT BANK TOP (structure within 1m)	NU/SU	NK	NK	NK	R	B	NV	NV	NV	NV	NV
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU

**G CHANNEL VEGETATION TYPES (10m wide transect: E (c. 33% areas) or tick (present) 500m catch-all)**

NONE	PLANT GENERA - list first 5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/lichens											
Emerg broad-leaved herbs											<input checked="" type="checkbox"/>
Emerg rush/sedge/rushes											
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine/linear-leaved											
Filamentous algae											

IFE NO. **6689**

**LAND USE WITHIN 50m OF BANKTOP**

	L	R		L	R
woodland (WL)			Rough pasture (RP)		
improved/mixed woodland (ML)			Improved/well-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
moor (MO)			Open water (OW)		
fl heath/moor vegetation (TH)			Suburban/urban development (SU)	E	E

**ARTIFICIAL/MODIFIED FEATURES**

	L	R	Artificial/modified	L	R
canal/modified			Reinforced		
riparian/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
riparian + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
spoil			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**PERCENT OF TREES AND ASSOCIATED FEATURES**

**TREES (tick one box per bank)**

None	Left	Right	Shading of channel	None	Percent E (≥33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scattered continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present E (≥33%)
Waterfall(s)	<input type="checkbox"/>
Caerdrost(s)	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>
Run(s)	<input type="checkbox"/>
Silt(s)	<input checked="" type="checkbox"/>
Slide(s)	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

**1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES**

**A CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	NK	RIGHT BANK	
Banktop height (m)	2.40	Water width (m)	NK	Banktop height (m)
Embanked height (m)		Water depth (m)	NK	Embanked height (m)

If bankline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**B CHANNEL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**C CHANNEL MANAGEMENT**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State: \_\_\_\_\_

**D FEATURES OF INTEREST (tick appropriate label(s))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**E CHOKED CHANNEL (see IFE)**

Is 33% or more of the channel choked with vegetation? NO  YES

**F RIVER BANKS AND ISLANDS**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick Rhododendron track) \_\_\_\_\_

**G MAJOR IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail industry - housing - mining - quarrying - over-depositing - afforestation - fisheries management - other? = **beating stanks**

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = **Pointing**

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly  
 (tick those above)

Other significant observations:  
 much flow flowing thru below, where it is shallow and fast flowing; also below the mid point it is very large, water level high as built on a small rise channel built in the  
 (tick those above)

Address? None  Present  Extensive  Disused Address? None  Present  Extensive





**BACKGROUND MAP-BASIS INFORMATION**

Altitude (m) Slope (m/m) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

Reference network site number: 6695  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SP 364928 River: ANKER  
 Date: 25/6/1996 Time: 12:15 Surveyor name: N. GRIEVE Accreditation code: PF 12

Adverse conditions affecting survey? No  Yes  If yes, state: .....

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**DOMINANT VALLEY FORMS** (tick one box)

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

Riffles | Unvegetated point bars  
 Pools | Vegetated point bars

**D COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 8BB**

**CHANNEL SURVEY DATA SURVEY DIMENSIONS AND VEGETATION**

FALLY (see 211) for - Riffles Pools Unveg. side bars Veg. point bars

SPIN check 1 = upstream 2 = downstream

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

**LEFT BANK**

Material: EA EA EA SP EA EA EA EA EA EA  
 Bank modification(s): NO R3 NO R1 RS RS RS RS RS RS  
 Bank feature(s): NO NO NO NO VS NO VS NO NO NO

Channel substrate: SI SP SP NN CL CL GP GP GP GP  
 Substrate shape: FL OV EL D CU PO EL OWH ...  
 Flow type: FL OH OH OF SF SF SF SF SF SF SF SF

Channel modification(s): RS RS RS RS RS RS RS RS RS RS  
 Channel feature(s): NO NO TR NO NO NO NO TR NO NO

**RIGHT BANK**

Material: EA EA EA SP EA EA EA EA EA EA  
 Bank modification(s): RS RS RS R1 RS RS RS RS RS RS  
 Bank feature(s): NO NO NO NO NO NO NO NO NO NO

**LAND USE WITHIN 50m OF BANKTOP (L)**

LEFT BANK TOP (structure within 1m)	WASC	1	1	3	5	5	1	1	1	1
LEFT BANK FACE (structure)	WASC	5	5	5	5	5	5	5	5	5
RIGHT BANK FACE (structure)	WASC	5	5	5	5	5	5	5	5	5
RIGHT BANK TOP (structure within 1m)	WASC	1	1	1	1	1	1	1	1	1
LAND USE WITHIN 50m OF BANK TOP (R)		5	5	5	5	5	5	5	5	5

**VEGETATION**

MONS / PLANT GENERA - list form 5

Bryophytes/lichens										
Emerg broad leaved herbs										
Emerg reed/sedge/rushes										
Floating leaved (rooted)										
Free-floating										
Aquatic										
Submerged broad leaved										
Submerged fasciculate-leaved										
Epiphytic algae										

**VEGETATION AND ASSOCIATED FEATURES**

Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/well-improved grass (IG)	E	E
Inchard (OR)			Tidal land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
All herbs' reed vegetation (TR)			Suburban/urban development (SU)	E	E

**Natural/modified**

Vertical/horizontal			Reinforced		
artificial + toe			Reinforced - whole bank	E	E
top (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embedded		
			Set back/contaminated		

**TREES** (tick one box per bank)

None	Left	Right	Shading of channel	None	Percent B (≥ 33%)
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Some continuous			Pelvic trees		
Continuous			Coarse woody debris		

**ASSOCIATED FEATURES** (tick one box per feature)

Marginal deadwood	None	Percent B (≥ 33%)
Exposed bedrock (CLAN)		
Exposed boulders		
Unvegetated mid-channel bar(s)		
Vegetated mid-channel bar(s)		
Mature island(s)		
Unvegetated side bar(s)		
Vegetated side bar(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Old(s)		
Pool(s)		

**Flow** (tick one box per bank)

Waterfall(s)	None	Percent B
Cascade(s)		
Rapid(s)		
Riffle(s)		</



**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6097  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SP554989 River: SOAR  
 Date: 27.6.1996 Time: 11:40 Surveyor name: N. CRIEVE Accreditation code: FE 12

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**DOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFB - VALLEY FORM NOTES:

Rifles | Unvegetated point bars  
 Pools 3 | Vegetated point bars

D COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO P. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**PHYSICAL CHARACTERISTICS**

TALLY (see IFE) for: Rifles | Pools | Unveg. side bars | Veg point bars

Spec check 1 vs upstream	1	2	3	4	5	6	7	8	9	10
Material	CA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	NO	RS	NO	NO	NO	RS	NO	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	GP	NO	GP	NO	CL	CL	NO	NO	NO	NO
Substrate shape	FL	OV	CL	CU	PO	BL	Down			
Flow type	1	2	3	4	5	6	7	8	9	10
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK**

Material	CA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	NO	RS	NO	RS	NO	RS	NO	RS	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE WITHIN 5m OF BANKTOP (L)**

1	2	3	4	5	6	7	8	9	10
1	1	1	1	1	1	1	1	1	1

**LAND USE WITHIN 5m OF BANKTOP (R)**

1	2	3	4	5	6	7	8	9	10
1	1	1	1	1	1	1	1	1	1

**PLANT GENERA - list first 5**

None									
Bryophytes/Lichens									
Emerg broad-leaved herbs									
Emerg reed/grass/herb									
Floating leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerged fine-leaved									
Filamentous algae									

RS = Overdraped channel

SITE NO: 6074

**VEGETATION**

Woodland/wetland (WL)			Rough pasture (RP)		
Coarse grass (CG)			Improved/mix-improved grass (IG)		
Inland (IL)			Tidal land (TL)		
Woodland/bush (WB)			Wetland (eg bog, marsh, fen) (WL)		
Open (O)			Open water (OW)		
Shrub (S)			Suburban/urban development (SU)		

**NATURAL/ARTIFICIAL**

Natural/woodland	L	R	Artificial/modified	L	R
Artificial/woodland			Reinforced		
Artificial + line			Reinforced - whole bank		
Artificial (>45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Open			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankment		

**TRACES (tick one box per bank)**

None	Left	Right	None	Present E (≥ 1%)
Inland/restricted			Shading of channel	
Regularly spaced, single			Overhanging boughs	
Occasional change			Exposed bankside roots	
Semi-confusion			Undercover tree roots	
Confusion			Fallen trees	
			Coarse woody debris	

**ASSOCIATED FEATURES (tick one box per feature)**

Marginal ditchwater	None	Present E (≥ 1%)
Exposed bedrock (CLAV)		
Exposed boulders		
Unvegetated mid-channel bar(s)		
Vegetated mid-channel bar(s)		
Mature island(s)		
Unvegetated side bar(s)		
Vegetated side bar(s)		

**WATERBARS**

Waterbar(s)	None	Present E
Cascade(s)		
Rapid(s)		
Rifle(s)		
Ram(s)		
Boil(s)		
Obil(s)		
Pool(s)		

Most predominant flow sequence (select up to three features): SLIDE

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	13.0	RIGHT BANK	
Banktop height (m)	Water width (m)	9.4	Banktop height (m)	1.55
Embanked height (m)	Water depth (m)	0.26	Embanked height (m)	

If waterline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  banktop  U

Location of measurement is: riffle  rap or glide  other  (tick one box)

**STRUCTURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = 2 \_\_\_\_\_ Piers = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Is water impounded by weir/bank? No  Yes, < 33% of site  > 33% of site

**MAINTENANCE**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? Stone

**FEATURES OF OCCURRENCE**

None  Waterfalls > 3m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bridled/wide channels  Natural open water  Carr   
 Debris dams  Water escrows  Marsh   
 Leafy debris  Piles  Flush

**VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

**PROBABLE CAUSES**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other (state) Hedera Andropogon bractea

**LOVE/SPERMATOPHYTES**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying (overdrainage) - afforestation - fisheries management - silt - other? \_\_\_\_\_

Land Management: set-back - buffer strip - headland woodland - parkland - MoD - other? \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - reed marten - heron - dragonfly damselfly

Other significant observations: Abundant channel macrophytes - Elodea algae Callitriche sp.

Address? None  Present  Extensive  Discussed Address? None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Plainform category  
 Distance from source (km) Significant tributary ? Navigation ?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6698  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: SP 615965 River: SENCE  
 Date: 27/10/1996 Time: 09:30 Surveyor name: N. GRIEVE Accreditation code: PF.12

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**DIFFERENCE BETWEEN BANKS**

Riffles 3 Unvegetated point bars \_\_\_\_\_  
 Pools 2 Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WALKERHAM, BN20 6BB

**RIVER LABORATORY SURVEY - SPOT CHECK**

FULLY (see BS) for R.M.S. Pools: \_\_\_\_\_ Using side bars \_\_\_\_\_ Veg point bars \_\_\_\_\_

**SPOT CHECK 1 m upstream**

Spot	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SI	SP	SP	SP	SP	SP	SP	SP	SP	SP
Substrate shape	NA	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type	JSP	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK SPOT CHECK**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LEFT BANK SPOT CHECK**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE WITHIN 5m OF BANKTOP (L)**

Spot	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 5m) BASIC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BASIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BASIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 5m) BASIC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	S	U	U	U	U	U	U	U	U	U

**PLANT GENERA - list first 5**

None										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/irises/rushes	E	N	E	E	E	N	N	E	E	E
Flowering forest (road)										
Free-floating										
Amphibians										
Submerged broad-leaved										
Submerged floating-leaved										
Filamentous algae										

**TRIBUTARY VEGETATION**

	L	R		L	R
Branched/limited woodbed (BL)			Rough pasture (RP)		
Coarse/low vegetation (CV)			Improved/semi-improved grass (IG)	E	E
Orchard (OK)			Tilled land (TL)		E
Moorland/heath (MH)			Wooded (eg bog, marsh, fen) (WL)		E
Scrub (SC)			Open water (OW)		
Tall herbs + mud vegetation (TH)			Suburban/urban development (SU)		

**ARTIFICIAL/MODIFIED**

Material/structure	L	R	Artificial/modified	L	R
Vertical/hedgebank	L	R	Recessed		E
Vertical + toe			Reinforced - whole bank		E
Slope (>45°)			Reinforced - top only		
Grate			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embedded		
			Set-back embankments		

**TRIGS (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (2.11%)
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-coalescent	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**TRIGS (tick one box per bank)**

Waterfall(s)	None	Percent E	Marginal disturbance	None	Percent E (2.11%)
Concrete(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Chick(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): GLIDE / SLACK

**RIVER LABORATORY SURVEY - DIMENSIONS AND DIMENSIONS**

**GLANNED DIMENSIONS**

LEFT BANK	Banktop width (m)	<u>10.5</u>	RIGHT BANK	
	Banktop height (m)	<u>1.2</u>		Banktop height (m) <u>1.2</u>
	Embedded height (m)	<u>0.06</u>		Embedded height (m) <u>0.06</u>

If embankment lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of embankment is: riffle  run or glide  other  (tick one box)

**NATURAL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**CAUTIONS**

None  Dredging  Moving  Wood cutting   
 Embankment  Other? State: \_\_\_\_\_

**NATURAL FEATURES**

None  Waterfalls > 3m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fan  Flush

**CHOSED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTICE**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick)  *Indofedorus bicolor*

**OTHER SIGNIFICANT FEATURES**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - wind - rail - industry - quarrying - quarrying - afforestation - fertilizer management - sludge - other? = \_\_\_\_\_  
 Land Management: set aside - buffer strip - biofield - abandoned land - partition - MoD - other? = \_\_\_\_\_  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly - damselfly  
 Other significant observations: RS channel + banks. Calopharyx sp. sp.

**ALTERNATIVE**

Alters? None  Present  Extensive  Diverted Alters? None  Present  Extensive

BACKGROUND MAP BASED INFORMATION

Altitude (m) Shape (m) Direction of flow (100)  
 Soil geology code Drain geology code Mainstem category  
 Distance from source (km) Significant tributary? Major stream?  
 Height of source (m) Water Quality Class

Reference network site number **6699**

Mid-site grid reference of network site if different from designated location:

Grid Reference **SP 713486** River **Burton Brook**  
 Date **20/9/1996** Time **14:14** Surveyor name **P. Kettle** Accreditation code **PF35**

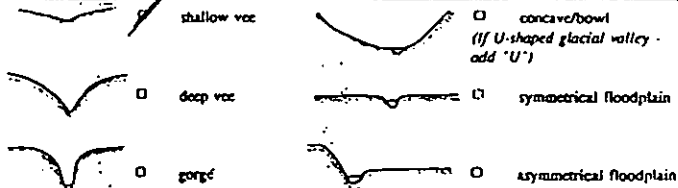
Adverse conditions affecting survey? No  Yes  If yes, state

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)



Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)

Rifles  Unvegetated point bars  
 Pools **3** Vegetated point bars

DO NOT COMPLETE FORMS WEEKLY plus all water samples and expenses claims TO  
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1996 RIVER QUALITY SURVEY DIMENSIONS AND INFLUENCES Page 2 of 2

PHYSICAL ATTRIBUTES (to be assessed across channel width in wide (upstream) sites only)

Spot check 1 is representative of downstream	1	2	3	4	5	6	7	8	9	10
Material by <b>W, R, B, O, C, G, L, U, P, S, M, J, F, C, A, M, I, N</b>	BY	LN	LN	LN	LN	LN	LN	LN	LN	LN
Bank modification(s)	N	N	N	N	N	N	N	N	N	N
Bank feature(s)	N	N	N	N	N	N	N	N	N	N
Channel substrate <b>W, R, B, O, C, G, L, U, P, S, M, J, F, C, A, M, I, N</b>	SP	SI	SI	SI	SI	SI	SI	SI	SI	SI
Selective shape <b>F, L, O, B, P, C, U, P, S, M, J, F, C, A, M, I, N</b>	ER	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type <b>F, L, O, B, P, C, U, P, S, M, J, F, C, A, M, I, N</b>	SM	NA	NA	NA	NA	NA	NA	NA	NA	NA
Channel modification(s)	N	N	N	N	N	N	N	N	N	N
Channel feature(s)	N	N	N	N	N	N	N	N	N	N

RIGHT BANK VEGETATION (restricted to 10m from bank)

Material by <b>W, R, B, O, C, G, L, U, P, S, M, J, F, C, A, M, I, N</b>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	N	N	N	N	N	N	N	N	N	N
Bank feature(s)	N	N	N	N	N	N	N	N	N	N

LAND USE: choose one from **BL, C, O, R, H, K, M, P, R, S, T, U, V, W, X, Y, Z**

LAND USE WITHIN 50m OF BANKTOP (L)	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS
LEFT BANK TOP (structure within 1m) <b>BL, C, O, R, H, K, M, P, R, S, T, U, V, W, X, Y, Z</b>	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <b>BL, C, O, R, H, K, M, P, R, S, T, U, V, W, X, Y, Z</b>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) <b>BL, C, O, R, H, K, M, P, R, S, T, U, V, W, X, Y, Z</b>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) <b>BL, C, O, R, H, K, M, P, R, S, T, U, V, W, X, Y, Z</b>	C	C	C	C	C	C	C	C	C	C
LAND USE WITHIN 50m OF BANK TOP (R)	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS

PLANT GENERAL - list first 5

NONE	/	/	/	/	/	/	/	/	/	/
Bryophytes/lichens										
Emerg broad-leaved herbs	/	/	E							
Emerg reeds/sedges/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved	/	/	/	/	/	/	/	/	/	/
Filamentous algae	/	/	/	/	/	/	/	/	/	/

STANDARD USE WITHIN 50m OF BANKTOP (tick one box per feature)

	L	R		L	R
Rough grassland (BL)			Rough pasture (RP)		
Shrub plantation (CF)			Improved/semi improved grass (IG)	L	E
Hard (DR)			Filled bed (TL)	/	/
Orchard/haugh (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	/	/	Open water (OW)		
Herbs' mud separation (TH)			Suburban/urban development (SU)		
Artificial/modified	L	R	Artificial/modified	L	R
Vertical/undercut	/	/	Reinforced		
bed + toe	/	/	Reinforced - whole bank	/	/
> (>45)	E	E	Reinforced - top only		
side	/	/	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	/	/
			Embanked	/	/
			Set back embankments	/	/

TREES (tick one box per bank)

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (> 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scrub continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WATER QUALITY ATTRIBUTES

	None	Present E (> 33%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>
Canal(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rap(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

State predominant flow sequence (select up to three features)

1996 RIVER QUALITY SURVEY DIMENSIONS AND INFLUENCES Page 2 of 2

MEASURED DIMENSIONS (to be completed on one run on a straight, uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	<b>2.75</b>	RIGHT BANK
Banktop height (m)	Water width (m)	<b>1.0</b>	Banktop height (m)
Embanked height (m)	Water depth (m)		Embanked height (m)

If artificial lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

None  Number of Culverts = **4** Weirs = **1** Outfalls = **1** Fords = **1**  
 Footbridges = **1** Roadbridges = **1** Other = **1**

Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

EVIDENCE OF RIVER MANAGEMENT (tick one box per feature)

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? State

FEATURES OF SPECIAL INTEREST (tick one box per feature)

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Loose debris  Pool  Flush

CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO  YES

NOTABLE RIVER BANK VEGETATION (tick one box per feature)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name *Rhododendron bracteatum*

NOTABLE CHANNEL FEATURES (tick one box per feature)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - factories - manure - sludge - other? =

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - minnow - water vole - kingfisher - dipper - grey wagtail - sand martin - brown dragonfly/damselfly

Other significant observations: channel is mostly dry/low flow

ALTERS (tick appropriate box(es))

None  Present  Extensive  Disused Alters? None  Present  Extensive

**A. BACKGROUND MAP BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Soil geology code \_\_\_\_\_ Soil geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6700  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_  
 Grid Reference: SP889951 River: WELLAND  
 Date: 20/9/1996 Time: 16:00 Surveyor name: P. Leach Accreditation code: PF35  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bod of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles \_\_\_\_\_ Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**E. CHANNEL VEGETATION (tick if functional feature)**

Spot check 1 in upstream direction	2	3	4	5	6	7	8	9	10
Material <u>WV,AL,NO,CO,CS,CA,PE,CL,CC,SP,WF,GR,BA,RP</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>WE,MO,RS,RI,FL,BA,JA</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>WV,MO,EC,SC,PA,VP,SB,VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. CHANNEL VEGETATION (tick if functional feature)**

Material <u>WV,AL,NO,CO,CS,CA,PE,CL,CC,SP,WF,GR,BA,RP</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>WE,MO,RS,RI,FL,BA,JA</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>WV,MO,EC,SC,PA,VP,SB,VS</u>	NO	EC	NO	NO	NO	NO	NO	NO	NO

**G. BANKTOP LAND USE AND VEGETATION STRUCTURE (tick as assessed over a 10m wide transect)**

Land use: choose one from RL, CF, OR, MH, SC, TH, RP, RD, FL, ML, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) BAUSC	C	S	S	U	S	S	S	U	U
LEFT BANK FACE (structure) BAUSC	S	S	S	S	S	S	U	U	S
RIGHT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BAUSC	S	S	S	S	S	S	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	TH	TH	TH	TH	TH	TH	TH	TH

**H. CHANNEL VEGETATION (tick if functional feature)**

NONE / PLANT GENERA - list first 5									
Bryophytes/lichens									
Emerg broad-leaved herbs									
Emerg roots/stems/rhizomes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submersy float-leaved									
Filamentous algae									

**I. LAND USE WITHIN 50m OF BANKTOP (tick if 1% banklength or if present)**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (og bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs / reed vegetation (TH)			Suburban/urban development (SU)		

**J. CHANNEL VEGETATION (tick if functional feature)**

Natural/modified	L	R	Artificial/modified	L	R
Vertical/wendcut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Flat			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

**K. EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per bank)**

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E (≥33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**L. EXTENT OF CHANNEL VEGETATION**

	None	Present E (≥33%)		None	Present E (≥33%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwaters	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rap(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Shoal(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features)

**M. CHANNEL DIMENSIONS (tick if measured at this site on a straight section, preferably across a riffle)**

LEFT BANK	Banktop width (m)	<u>11.50</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>3.00</u>	Banktop height (m)	<u>1.20</u>
Embanked height (m)	Water depth (m)	<u>0.20</u>	Embanked height (m)	

If trushline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  shaly

Location of measurement is: riffle  run or glide  other  (tick one box)

**N. CHANNEL VEGETATION (tick if functional feature)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Foodbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**O. PREVALENCE OF DOMINANT MANAGERIAL PRACTICES (tick appropriate class(es))**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other?  Stake

**P. FEATURES OF SPECIAL INTEREST (tick appropriate bar(s))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**Q. CHOKED CHANNEL (tick if present)**

Is 33% or more of the channel choked with vegetation? NO  YES

**R. QUANTIFIABLE RUISSANCE FACTORS (tick appropriate bar(s))**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? Nettle Rhododendron fraxinifolius

**S. GENERAL BANK VEGETATION**

Major impacts: landfill - tipping - sewer - sewage - pollution - trough - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdeepening - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set aside - buffer strip - hedland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - stone martin - heron - dragonflies/damselflies

Other significant observations: UIS ...

**T. ALDERS (tick appropriate bar(s))**

Alders: None  Present  Extensive  (Decayed Alders) None  Present  Extensive



**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6701  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SP989468 River: Willow Brook  
 Date: 11/15/1996 Time: 1100 Surveyor name: P. Heston Accreditation code: 0111

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/howl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles 2 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - SPOT CHECKS Page 2 of 4

FALLY (use IFE for Rifles) Pools Unveg. side bars Veg plain bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) (1 = no entry only)**

Spot check 1 is upstream  downstream

LEFT BANK	1	2	3	4	5	6	7	8	9	10
Material <sup>W, M, SO, CO, CL, EA, PE, CL, CC, SP, PP, CA, M, RR, BV</sup>	EA	EA	EA	CL	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>WE, MO, AS, RI, PC, AN, EM</sup>	N/S	N/S	U/O	RS	RS	RS	RE	RS	N/S	N/S
Bank feature(s) <sup>W, MO, EC, SC, P, R, VP, SB, VS</sup>	N/O	W/S	N/O	VS	N/O	N/O	N/O	N/O	EC	N/S
Channel substrate <sup>W, M, SO, CO, CL, EA, PE, CL, CC, SP, PP, CA, M, RR, BV</sup>	GP	GP	CL	CL	CL	AP	CO	CL	CO	CL
Substrate shape <sup>FL, OY, EL, IF, CU, PO, R, Othrs - see</sup>	IR	IR	IA	NA	NA	IR	FL	NA	FL	NA
Flow type <sup>FF, CH, EM, UP, CF, SF, UF, SH, SP, MO</sup>	SM	SM	SM	SM	SM	RP	LU	SM	RP	SM
Channel modification(s) <sup>WE, MO, AS, RI, PC, AN, EM</sup>	N/S	N/S	N/S	RS	N/O	N/O	N/O	RS	N/O	N/O
Channel feature(s) <sup>W, MO, EC, SC, P, R, VP, SB, VS</sup>	N/S	N/S	N/O	N/S	N/O	N/O	N/O	N/O	N/S	N/O

**RIGHT BANK** TICK if functional group

Material <sup>W, M, SO, CO, CL, EA, PE, CL, CC, SP, PP, CA, M, RR, BV</sup>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>WE, MO, AS, RI, PC, AN, EM</sup>	N/S	N/S	N/S	N/O	N/S	FL	RS	N/S	N/S	N/S
Bank feature(s) <sup>W, MO, EC, SC, P, R, VP, SB, VS</sup>	N/O	N/S	N/O	N/O	N/O	N/O	N/O	N/O	N/S	N/O

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, MH, SC, FN, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TH	TL	TL	TH	TL	TH	TL
LEFT BANK-TOP (structure within 1m) <sup>BU/S/C</sup>	U	S	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <sup>BU/S/C</sup>	U	U	S	U	U	U	U	U	B
RIGHT BANK FACE (structure) <sup>BU/S/C</sup>	U	U	U	U	U	U	U	U	S
RIGHT BANK-TOP (structure within 1m) <sup>BU/S/C</sup>	U	U	S	U	U	U	U	U	S

**G. BANKTOP VEGETATION (tick one box)**

NONE / PLANT GENERA - list first 5

Bryophytes/lichens									
Emerg broad leaved herbs									
Emerg reeds/sedges/rushes <sup>from emerg. zone</sup>									
Flowering leaved (rooted)									
Free-floating									
Amblyops									
Submerged broad leaved									
Submerged fine/linear leaved									
Pinnaceous algae									

SITE NO. 6701

Vegetation	L	R	Vegetation	L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/mixed-improved grass (IG)		
Deciduous (DN)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Fall herbs and vegetation (FH)			Suburban/urban development (SU)		

**NATURAL/UNMODIFIED** **L** **R** **ARTIFICIAL/MODIFIED** **L** **R**

Vertical/undrained			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**TREES (tick one box per bank)** **ASSOCIATED FEATURES (tick one box per feature)**

None	<input type="checkbox"/>	Left	<input type="checkbox"/>	Right	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	None	<input type="checkbox"/>	Present	<input type="checkbox"/>	E (≥ 33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS** **None** **Present** **E**

Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Concave(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ran(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): (Gh):

1996 RIVER HABITAT SURVEY - DIMENSIONS AND ENERGIES Page 2 of 4

**D. STANNED DIMENSIONS (to be assessed at the same spot as the physical attributes)**

LEFT BANK	Banktop width (m)	<u>4.75</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>3.25</u>	Banktop height (m)	<u>0.75</u>
Embankment height (m)	Water depth (m)	<u>0.25</u>	Embankment height (m)	

If suitable lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**E. CHANNEL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**F. CHANNEL MANAGEMENT**

None  Dredging  Moving  Wood-cutting   
 Enhancement  Other? State \_\_\_\_\_

**G. CHANNEL OBSTRUCTIONS**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foa  Flank

Is 33% or more of the channel choked with vegetation? NO  YES

**H. CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick) Nitella Rhododendron fraxion

**I. CHANNEL IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - spill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Local Management: set aside (buffer strip)  landfilled - abandoned lead - parkland - MoD - other? = \_\_\_\_\_

Animals: other - mist - water vole - kingfisher - dipper - grey wagtail - sand martin (none) dragonflies/damselflies

Other significant observations: Presence but not reliability of willow cover of bank as they are as dense - almost solid with weeds. Intensive mowing from bank and road edge.

Alters? None  Present  Extensive  Damaged Alters? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mode for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Navigation?  
 Distance from source (km) Significant tributary? Platform category?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6702  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: TLO53908 River: NCCN  
 Date: 15/5/1996 Time: 0900 Surveyor name: P. H. DAWSON Accreditation code:  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bod of river visible? No  partially  entirely  (tick one box)  
 IFE angle photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/hoar (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:  
 NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate local numbers)  
 Riffles 0 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARWICK, CV35 9EF

1996 RIVER HABITAT SURVEY DIM SPOT CHECKS Page 2 of 4

TALLY (use 00) for Riffles Pools Unveg side bars Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel width of 10m wide transects)**

Spot check 1 is upstream	2	3	4	5	6	7	8	9	10
<b>LEFT BANK TYPICAL CHECKS (functional code)</b>									
Material	CA	GA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bank feature(s)	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>CHANNEL CHARACTERISTICS</b>									
Channel substrate	NA	NA	NA	NA	NA	NA	NA	NA	NA
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	NA	NA	NA	NA	NA	NA	NA	NA	NA
Channel modification(s)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Channel feature(s)	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>RIGHT BANK TYPICAL CHECKS (functional code)</b>									
Material	CA	GA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bank feature(s)	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>TOP BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)</b>									
Land use: choose one from RL, CP, GR, NH, SC, TN, RP, R, G, H, W, OW, SH									
LAND USE WITHIN 5m OF BANKTOP (L)	AG	IG	IG	TH	TL	SW	SH	IG	IG
LEFT BANK TOP (structure within 1m)	NA	NA	NA	NA	NA	NA	NA	NA	NA
LEFT BANK FACE (structure)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RIGHT BANK FACE (structure)	NA	NA	NA	NA	NA	NA	NA	NA	NA
RIGHT BANK TOP (structure within 1m)	NA	NA	NA	NA	NA	NA	NA	NA	NA
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP
<b>PLANT GENERA (list first 5)</b>									
NONE									
Bryophytes/lichens									
Emerg broad-leaved herbs									
Emerg reeds/wet pool/rushes									
Fluving-leaved (round)									
Free-fluving									
Amphibious									
Submerged broad-leaved									
Submerged fine/linear-leaved									
Filamentous algae									

1996 RIVER HABITAT SURVEY DIM SPOT CHECKS Page 3 of 4

LAND USE WITHIN 5m OF BANKTOP (L)

	L	R		L	R
Broadleaf/mixed woodland (BL)		E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/mast vegetation (TH)			Suburban/urban development (SU)	E	
<b>NATURAL/UNMODIFIED</b>					
Natural/semi-natural	L	R	Artificial/modified	L	R
Vertical/erosion			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>4:1)		E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		
<b>TREES (tick one box per bank)</b>					
	Left	Right	ASSOCIATED FEATURES (tick one box per feature)		
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None <input type="checkbox"/> Present E (≥ 33%) <input type="checkbox"/>	
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	
	None	Present E		None	Present E (≥ 33%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Caricade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Race(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Glade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

1996 RIVER HABITAT SURVEY DIMENSIONS AND DIMENSIONS Page 4 of 4

**CHANNEL DIMENSIONS**

LEFT BANK	Backstop (m)	25.0	RIGHT BANK
Backstop height (m)	2.0	Water width (m)	2.4
Embankment height (m)		Water depth (m)	NK
		Embankment height (m)	

If trouble lower than backstop break in slope, indicate: height (m) = 1.0 width (m) = 2.6.0

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURAL FEATURES**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Ferds = 0  
 Footbridges = 0 Roadbridges = 0 Other = 0

Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**OTHER FEATURES OF SPECIAL INTEREST**

None  Artificial open water  Bog  Other (state)   
 Broad/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHANNEL CHARACTERISTICS**

Is 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  (Native/Rhododendron bracken)

**MAJOR IMPACTS**

Major impacts: landfill - tipping - litter - storage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? = None

Land Management: set-back buffer strip landfill abandoned land parkland MoD other? = None

Animals: otter min water vole kingfisher dipper grey wagtail rust martin heron dragonflies/damselflies

Other significant observations: Large reed near gutter in 7 morning in Sept 1996  
Large tree planting site in 15m well side of road (100) probably damaged stream.

**ALTERS**

Alters? None  Present  Extensive  Dammed Alters? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE nodes for plant covers and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6703  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 139981 River: NEENG  
 Date: 15/5/1996 Time: 12:25 Surveyor name: P. HENNIG Accreditation code: 11

Adverse conditions affecting survey? No  Yes  If yes, state

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate solid numbers)**

Rifles:  Unvegetated point bars:   
 Pools:  Vegetated point bars:

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 5BB

1996 RIVER HABITAT SURVEY - TWIN SPOT CHECKS Page 2 of 4

FALLY (see IFE) for - Riffles Pools Unveg side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - see IFE only**

Spot check 1 (1) upstream Downstream (1) 1 2 3 4 5 6 7 8 9 10

**LEFT BANK - TICK if functional (100%)**

Material:  A  EA  EA  EA  EA  EA  EA  EA  EA  EA  
 Bank modification(s):  NO  N1  N2  N3  N4  N5  N6  N7  N8  N9  N10  
 Bank feature(s):  N1  N2  EC  N3  N4  N5  N6  N7  N8  N9  N10  
 Channel substrate:  N1  N2  N3  N4  N5  N6  N7  N8  N9  N10  
 Substrate shape:  FL  OV  EL  SP  CU  PO  B  Other:   
 Flow type:  FL  CH  SW  UP  CL  SP  UF  SL  NP  NO

**RIGHT BANK - TICK if functional (100%)**

Material:  A  EA  EA  EA  EA  EA  EA  EA  EA  
 Bank modification(s):  NO  N1  N2  N3  N4  N5  N6  N7  N8  N9  N10  
 Bank feature(s):  N1  N2  N3  N4  N5  N6  N7  N8  N9  N10

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use (choose one from BL, CP, OR, MH, SC, PL, RP, R1, R2, WL, OW, SU)

LAND USE WITHIN 5m OF BANKTOP (L) 1G 1G 1G 1G 1G 1G 1G 1G 1G 1G  
 LEFT BANK TOP (structure within 5m) BUI/SC S S S S S S S S S S  
 LEFT BANK FACE (structure) BUI/SC S S S B A S S S S S  
 RIGHT BANK FACE (structure) BUI/SC U U U U U U U U U U  
 RIGHT BANK TOP (structure within 5m) BUI/SC U U U U U U U U U U  
 LAND USE WITHIN 5m OF BANK TOP (R) 1G 1G 1G 1G 1G 1G 1G 1G 1G 1G

**G CHANNEL VEGETATION INDEX (IFE)**

NONE / PLANT GENERA - list first 5

Eryophytes/lichens:   
 Emergent broad-leaved herbs:   
 Emergent reeds/sedges/rushes:   
 Floating-leaved (rooted):   
 Free floating:   
 Amphibious:   
 Submerged broad-leaved:   
 Submerged fine/linear-leaved:   
 Filamentous algae:

SITE NO. 6703

**H CHANNEL DIMENSIONS (to be measured at a point)**

LEFT BANK: Banktop width (m) 27.0 RIGHT BANK: Banktop width (m) 14.0  
 Banktop height (m) 1.00 Water width (m) 2.5 Banktop height (m) 1.00  
 Embankment height (m) Water depth (m) NK Embankment height (m)

If embankment lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffles  run or glide  other  (tick one box)

**I CHANNEL VEGETATION**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**J VEGETATION OF SPECIAL INTEREST**

None  Dredging  Moving  Wood cutting  
 Embankment  Other? State

**K FEATURES OF SPECIAL INTEREST (to be measured at a point)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Braided/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fca  Flank

**L CHANNEL CHOKED**

Is 33% or more of the channel choked with vegetation? NO  YES

**M CHANNEL VEGETATION**

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bractea

**N CHANNEL VEGETATION**

Major impacts: landfill - tipping - Eiter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry  
 housing - mining - quarrying - overstocking - afforestation - fisheries management - siting - other? =

Lead Management: set-back - buffer strip - broadland - abandoned land - parkland MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - meadow pipit - heron - dragonflies/damselflies

Other significant observations: Country Park on left (1G) Slag rising up bank with Pileus Fulvipes  
 Sluggers, lady mag flies, wild all deeper run initially denuded / dry

**O CHANNEL VEGETATION**

Alders? None  Present  Extensive  Dispersed Alders? None  Present  Extensive

indicate predominant flow sequence (select up to three features): No Perennial Flow

**H CHANNEL DIMENSIONS (to be measured at a point)**

LEFT BANK: Banktop width (m) 27.0 RIGHT BANK: Banktop width (m) 14.0  
 Banktop height (m) 1.00 Water width (m) 2.5 Banktop height (m) 1.00  
 Embankment height (m) Water depth (m) NK Embankment height (m)

If embankment lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffles  run or glide  other  (tick one box)

**I CHANNEL VEGETATION**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**J VEGETATION OF SPECIAL INTEREST**

None  Dredging  Moving  Wood cutting  
 Embankment  Other? State

**K FEATURES OF SPECIAL INTEREST (to be measured at a point)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Braided/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fca  Flank

**L CHANNEL CHOKED**

Is 33% or more of the channel choked with vegetation? NO  YES

**M CHANNEL VEGETATION**

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bractea

**N CHANNEL VEGETATION**

Major impacts: landfill - tipping - Eiter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry  
 housing - mining - quarrying - overstocking - afforestation - fisheries management - siting - other? =

Lead Management: set-back - buffer strip - broadland - abandoned land - parkland MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - meadow pipit - heron - dragonflies/damselflies

Other significant observations: Country Park on left (1G) Slag rising up bank with Pileus Fulvipes  
 Sluggers, lady mag flies, wild all deeper run initially denuded / dry

**O CHANNEL VEGETATION**

Alders? None  Present  Extensive  Dispersed Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and faunas. Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6704  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 252466 River: KINGS DIKE  
 Date: 15/11/1996 Time: 1435 Surveyor name: P. HENRIE Accreditation code: PF 11  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bod of river visible? No  partially  entirely  (tick one box)  
 IFE: single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles: 0 Unvegetated point bars: 0  
 Pools: 0 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expresses claims TO  
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1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (see IFE) for: Rifles Pools Unveg side bars Veg point bars

**B: PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - 1 = one, only only**

Spot check 1 is upstream? 2 downstream?	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> (structure within 1m) BRUSC	EA	LA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) ME NO AS AI PC BA EM	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) NY NO EC SC PR PB SL VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b> (structure within 1m) BRUSC	CL	SL	SL	SL	SL	SL	SL	SL	SL	SL
Substrate type FL OV EL SP CU PD R Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type FT CH SW UN CT RP UP SH RP MD	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) ME NO AS AI PC BA EM	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) NY NO EC SC PR PB SL VS	N7	N7	N7	N7	N7	N7	N7	N7	N7	N7
<b>RIGHT BANK</b> (structure within 1m) BRUSC	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Bank modification(s) ME NO AS AI PC BA EM	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) NY NO EC SC PR PB SL VS	N5	N5	N5	N5	N5	N5	N5	N5	N5	N5

**F BANKTOP, LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use (choose one from: B, CT, TH, MH, SC, TR, RP, R, FL, WL, OW, U)

LAND USE WITHIN 5m OF BANK TOP (L)	T1	T4	T4	T4	T4	T4	T4	T4	T4	T4
LEFT BANK TOP (structure within 1m) BRUSC	L	B	L	L	L	L	L	L	L	L
LEFT BANK FACE (structure) BRUSC	L	L	L	L	L	L	L	L	L	L
RIGHT BANK FACE (structure) BRUSC	B	R	L	L	L	L	L	L	L	L
RIGHT BANK TOP (structure within 1m) BRUSC	L	L	L	L	L	L	L	L	L	L
LAND USE WITHIN 5m OF BANK TOP (R)	SW	TH	TH	TH	TH	TH	TH	TH	TH	TH

**PLANT GENERA (tick first 5)**

PLANT GENERA	1	2	3	4	5
Bryophytes/lichens					
Emerg broad leaved herbs					
Emerg reeds/sedges/rushes					
Floating leaved (rooted)					
Free-floating					
Amphibious					
Submerged broad leaved					
Submerge fine/needle leaved					
Filamentous algae					

SITE NO. 6704

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' reed vegetation (TE)	E		Suburban/urban development (SU)	E	

**NATURAL/SEMI-NATURAL**

	L	R	Artificial/modified	L	R
Vertical/handcut			Reinforced	E	E
Vertical + toe			Reinforced - whole bank		E
Steep (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Entrenched		
			Set-back embankment		

**TREES (tick one box per bank)**

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (≥33%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATERBODIES AND RELATED FEATURES**

	None	Percent E		None	Percent E (≥33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overbank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapids(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffles(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Manure island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): No Periphyton

1996 RIVER HABITAT SURVEY: DIMENSIONS AND ENGINEERING

**CHANNEL DIMENSIONS (to be assessed across channel within a 10m wide transect)**

LEFT BANK	Banktop width (m)	Water width (m)	RIGHT BANK
Banktop height (m)	0.50	0.50	Banktop height (m)
Embankment height (m)	0.50	0.50	Embankment height (m)

If banktop lower than banktop break in slope, indicate: height (m) = 0.30 width(m) = 1.2.0

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**ENGINEERING OPERATIONS**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State

**CHARACTERISTICS OF SPECIAL INTEREST (to be assessed across channel within a 10m wide transect)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Ripid/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**VEGETATED CHANNELS**

Is 33% or more of the channel choked with vegetation? NO  YES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron berberis

Major impacts: bankfill - sipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail industry -  
 boating - mining - quarrying - overtopping - afforestation - fisheries management - silting - other? =  
 Land Management: set-back - buffer strip - bankland - abandoned land - pasture - MoD - other? =

Animals: water - mist - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Downy Doler Right bank to left R. E. S. with silt  
 Artificial channel. Track on right bank, large clay pit and bank on left

Address? None  Present  Extensive  Disused Address? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFE mod for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6706  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: River: SIXTEEN FOOT DRAIN  
 Date: 15/11/1996 Time: 10:15 Surveyor name: J. HENNILLAS Accreditation code: CF 11  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box for total number)**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - BEN SPOT CHECKS Page 2 of 2

TALLY (use JHF for riffles) Plants Unveg. side bars Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within 5m wide transect) - use only only**

Spot check 1 in upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material	RF	RA	RR	RE	EA	EA	EA	EA	CC	RR
Bank modification(s)	RI	RA	RE	RE	RE	RE	RE	RE	RE	RE
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b>										
Channel substrate	NV	SD	SD	SD	SD	SD	SD	SD	SD	SD
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>										
Material	A	CC	CC	CC	CC	CC	CC	CC	CC	CC
Bank modification(s)	RI	RA	RE	RE	RE	RE	RE	RE	RE	RE
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RL, CP, OR, NH, SC, TH, NP, RI, IL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK TOP (structure within 1m) BUI/SC	2	2	2	2	2	2	2	2	2	2
LEFT BANK FACE (structure) BUI/SC	2	2	2	2	2	2	2	2	2	2
RIGHT BANK FACE (structure) BUI/SC	2	2	2	2	2	2	2	2	2	2
RIGHT BANK TOP (structure within 1m) BUI/SC	2	2	2	2	2	2	2	2	2	2
LAND USE WITHIN 5m OF BANK TOP (R)	2	2	2	2	2	2	2	2	2	2

**G. CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

NONE / PLANT GENERA - list first 5

Bryophytes/Lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floting leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear-leaved										
Filamentous algae										

SITE NO. 6706

**A. CHANNEL DIMENSIONS (to be assessed across channel within 5m wide transect)**

LEFT BANK	Banktop width (m)	<u>25.0</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>18.0</u>	Banktop height (m)	<u>2.50</u>
Embanked height (m)	Water depth (m)	<u>NK</u>	Embanked height (m)	

If bankline lower than banktop break in slope, indicate: height (m) = 19.0

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Chalky

Location of measurement is: riffles  run or glide  other  (tick one box)

**B. CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges =  
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**C. CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State:

**D. FEATURES OF VEGETATION (to be assessed over a 10m wide transect)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Broad/steep channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**E. CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

Is 33% or more of the channel choked with vegetation? NO  YES

**F. CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Note: Rhododendron bracken

**G. CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? =  
 Land Management: set-back - buffer strip - headland - abandoned land - pasture - MoD - other? =  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly  
 Other significant observations: left bank by mud bank required for channel to function with large current zones. debris getting in 2 loc. returns of right bank

**H. CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

Alders? None  Present  Extensive  Disposed Alders? None  Present  Extensive

Indicate predominant flow sequence (select up to three features): glides No rapids

**A. CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

	L	R		L	R
Broad/linear woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' reed vegetation (TH)			Suburban/urban development (SU)		

**B. CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

Natural/unmodified	L	R	Artificial/unmodified	L	R
Vertical/recessed			Recessed		E
Vertical + toe			Reinforced - whole bank		E
Slope (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		E
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**C. CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

**TREES (tick one box per bank)**

None	Left	Right	Shading of channel	None	Percent E (2-33%)
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi-continuous			Fallen trees		
Continuous			Course woody debris		

**ASSOCIATED FEATURES (tick one box per feature)**

Marginal dead-water	None	Percent E (2-33%)
Exposed bedrock		
Exposed boulders		
Unvegetated mid channel bar(s)		
Vegetated mid channel bar(s)		
Mature island(s)		
Unvegetated side bar(s)		
Vegetated side bar(s)		

**D. CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

Waterfall(s)	None	Percent E	Marginal dead-water	None	Percent E (2-33%)
Cascade(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid channel bar(s)		
Run(s)			Vegetated mid channel bar(s)		
Bank(s)			Mature island(s)		
Slide(s)			Unvegetated side bar(s)		
Ohole(s)			Vegetated side bar(s)		
Pool(s)					



**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6707  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: TL 596903 River: Great Ouse  
 Date: 11.5.1996 Time: 10.15 Surveyor name: P. Henning Accreditation code: YF11

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (add total number)**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**PHYSICAL ATTRIBUTES (to be measured across channel within 10m wide transects) - one transect only**

Spot check 1 is upstream of downstream

Spot check	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>	TICK if functional (code)									
Material	CA	FA	EA	EA	EA	EA	EA	EA	EA	SP
Bank modification(s)	EM	EM	EM	EM	EM	EM	EM	EM	EM	EM
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>	TICK if functional (code)									
Material	CA	FA	EA	EA	EA	EA	EA	EA	EA	SP
Bank modification(s)	EM	EM	EM	EM	EM	EM	EM	EM	EM	EM
Bank features(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from BL, CP, OR, NH, SC, TH, RP, IG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK TOP (structure within 1m) BUI/SC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BUI/SC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) BUI/SC	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) BUI/SC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH

**G. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect)**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerging broad leaved herbs										
Emerging reeds/edges/rushes										
Flowering leaved (rooted)										
Free floating										
Amphiphous										
Submerged broad leaved										
Submerged fine/linear leaved										
Filamentous algae										

SITE NO. 6707 RIVER HABITAT SURVEY DIMENSIONS AND FEATURES

LAND USE WITHIN 5m OF BANKTOP (L)	L	R	LAND USE WITHIN 5m OF BANKTOP (R)	L	R
Broadleaved/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (NH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/semi vegetation (TH)	E	E	Suburban/urban development (SU)		

**VEGETATION STRUCTURE AND ASSOCIATED FEATURES**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut		E	Reinforced		
Vertical + toe			Reinforced - whole bank		E
Steep (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage	E	E
			Punched		
			Embanked	E	E
			Set-back embankments		

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent	% (2.33%)
Isolated/scattered			Shading of channel			
Regularly spaced, single			Overhanging boughs			
Occasional clumps			Exposed bankside roots			
Scrub continuous			Underwater tree roots			
Overgrown			Fallen trees			
			Cones woody debris			

**WATERBARS AND ASSOCIATED FEATURES**

Waterbar(s)	None	Percent	% (2.33%)	Waterbar(s)	None	Percent	% (2.33%)
Cascade(s)				Marginal dead-water			
Rapid(s)				Exposed bedrock			
Riffle(s)				Exposed boulders			
Run(s)				Unvegetated mid-channel bar(s)			
Bank(s)				Vegetated mid-channel bar(s)			
Obide(s)				Mature island(s)			
Pool(s)				Unvegetated side bar(s)			
				Vegetated side bar(s)			

Indicate predominant flow sequence (select up to three features): No perceptible flows

**VEGETATION DIMENSIONS**

LEFT BANK	Banktop width (m)	<u>3.5</u>	RIGHT BANK	Banktop width (m)	<u>3.5</u>
	Banktop height (m)	<u>0.50</u>		Banktop height (m)	<u>0.50</u>
	Embanked height (m)	<u>2.50</u>		Embanked height (m)	<u>2.0</u>
	Water depth (m)	<u>3.0</u>		Water depth (m)	<u>3.0</u>

If available lower than banktop break in slope, indicate: height (m) = 0.00 width(m) = 3.5

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 In water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**VEGETATION MANAGEMENT**

None  Dredging  Mowing  Wood cutting   
 Embankment  Other? State \_\_\_\_\_

**VEGETATION SPECIAL INTERESTS**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Broadleaved channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Peat  Flash

**VEGETATION CHARACTERISTICS**

Is 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION MANAGEMENT**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other  (tick one box)

**VEGETATION IMPACTS**

Major impacts: landfill - slippage - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry -  
 bombing - mining - quarrying - overgrazing - deforestation - fabric management - siting - other? = \_\_\_\_\_

Land Management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dapper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Strongly dense Rye grass sward with a few  
subtle areas of mowing. Depth 1.2m at bank

Alters? None  Present  Extensive  Damaged Alters? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE grids for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6708  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: TF64695 River: CWT OF CHANNEL  
 Date: 17.5.1996 Time: 1530 Surveyor name: P. HENNING Accreditation code: PF11

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - SPOT CHECKS Page 2 of 4

TALLY (see IFE) for - Riffles Pools Unveg side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be measured across channel within a 1m wide transect) (if not, see tally only)**

Spot check 1 is upstream  down-stream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	EA	NV	NV	NV	UV	EA	EA	NV	NV	UV
Bank modification(s) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	TV	NV	NV	NV	CL	CL	CL	CL	CL	CL
Substrate shape <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	NA	NA	NA	NA	UA	UA	UA	UA	UA	UA
Flow type <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>										
Material <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	EA	NV	NV	NV	UV	EA	EA	NV	NV	UV
Bank modification(s) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from H, CF, IM, MH, SC, TH, RP, NG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	SC	SC	SC	SC	SC	SC	SC
LEFT BANK TOP (structure within 1m) BA/SC	U	U	U	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BA/SC	S	S	S	C	C	C	C	C	C	C
RIGHT BANK FACE (structure) BA/SC	S	S	C	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BA/SC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	U	U	U	U	U	U	U	U	U	U

**G PLANT GENERA TYPES**

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Flowering (rooted)										
Free-floating										
Amphibious										
Submerg broad leaved										
Submerg fine-leaved										
Filamentous algae										

SITE NO. 6708

**LAND USE WITHIN 5m OF BANKTOP**

	L	R		L	R
Broad/mailed woodland (BL)	E		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Oakland (OK)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	E		Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**ARTIFICIAL/MODIFIED BANKS**

Natural/semi-modified	L	R	Artificial/modified	L	R
Vertical/median			Recessed		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embedded		
			Set back embankments		

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi continuous			Underwater tree roots		
Continuous			Fallen trees		
			Coarse woody debris		

**WATERFALLS AND CHANNEL FEATURES**

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (≥ 33%)
Cascade(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid-channel bar(s)		
Run(s)			Vegetated mid-channel bar(s)		
Bank(s)			Mature island(s)		
Ohole(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): gully

1996 RIVER HABITAT SURVEY BY DIMENSION AND INFLUENCES

**MEASURED DIMENSIONS**

LEFT BANK	Banktop width (m)	<u>3.6</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>4.0</u>	Banktop height (m)	<u>1.0</u>
Embankment height (m)	Water depth (m)	<u>NK</u>	Embankment height (m)	<u>1.0</u>

If transect lower than banktop break in slope, indicate: height (m) =  $C \cdot D$  width (m) =  $L \cdot 1 \cdot 0$

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL FEATURES**

None  Number of Obverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weir/dam? No  Yes < 33% of site  > 33% of site

**MANAGEMENT OF BANKS/CHANNELS**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State \_\_\_\_\_

**CHARACTER OF BANK/CHANNELS**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Broad/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fens  Flush

**IS 33% OR MORE OF THE CHANNEL CHECKED WITH VEGETATION?** NO  YES

**VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  Nettle Rhododendron Invasives

**MAJOR IMPACTS**: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - siting - other? = \_\_\_\_\_

**LAND MANAGEMENT**: set-back - buffer strip - broadland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

**ANIMALS**: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Very large Artificial River High bank tall side - Fungus gully grass - right bank, also debanking willows. Irrigation pump outlet - north bank

Address? None  Present  Extensive  Channel Address? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE modification plan, fences and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6709  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 732994 River: WISSEY  
 Date: 10/15/1996 Time: 12:00 Surveyor name: P.H. HILL Accreditation code:

Adverse conditions affecting survey? No  Yes  If yes, state:

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total numbers)**

Riffles  Uegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.N. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

**FULLY (see JRF) for - Riffles Pools Ueveg side bars Veg point bars**

**E. PHYSICAL ATTRIBUTES (to be assessed across channel within 20m wide transects)**

Spot check 1 is: upstream  downstream

1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	11	11	11	11	11	11	11	11	11
Bank feature(s)	11	11	11	11	11	11	11	11	11
Channel substrate	11	11	11	11	11	11	11	11	11
Substrate shape	11	11	11	11	11	11	11	11	11
Flow type	11	11	11	11	11	11	11	11	11
Channel modification(s)	11	11	11	11	11	11	11	11	11
Channel feature(s)	11	11	11	11	11	11	11	11	11

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from RL, CL, PL, MH, VC, TH, SP, RT, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) BR/SC	11	11	11	11	11	11	11	11	11	11
LEFT BANK FACE (structure) BR/SC	11	11	11	11	11	11	11	11	11	11
RIGHT BANK FACE (structure) BR/SC	11	11	11	11	11	11	11	11	11	11
RIGHT BANK-TOP (structure within 1m) BR/SC	11	11	11	11	11	11	11	11	11	11
LAND USE WITHIN 5m OF BANK TOP (R)	11	11	11	11	11	11	11	11	11	11

**G. CHANNEL VEGETATION TYPES (tick one box only)**

NONE  PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/mudgrasses										
Floating-leaved (rooted)										
Frac-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear leaved										
Filamentous algae										

SITE NO. 6709

**H. LAND USE WITHIN 50 METERS**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OK)			Tilled land (TL)		E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs/mast vegetation (TH)			Suburban/urban development (SU)		

**I. ARTIFICIAL STRUCTURES**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E		Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Sea-bank embankments		

**J. TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 1%)
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi-continuous			Underwater tree roots		
Continuous			Fallen trees		
			Coarse woody debris		

**K. CHANNEL VEGETATION**

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (≥ 1%)
Cascade(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Uevegetated mid channel bar(s)		
Bank(s)			Vegetated mid channel bar(s)		
Bank(s)			Natural island(s)		
Island(s)			Uevegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): *gully*

1996 RIVER HABITAT SURVEY - DIMENSIONS AND FENCING Page 3 of 4

**K. CHANNEL DIMENSIONS (to be assessed across channel within 20m wide transects)**

LEFT BANK	Banktop width (m)	10.50	RIGHT BANK		
Banktop height (m)	1.0	Water width (m)	13.50	Banktop height (m)	2.50
Embanked height (m)		Water depth (m)	0.60	Embanked height (m)	1.0

If streamflow lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**L. CHANNEL VEGETATION**

None  Number of Culverts = Weirs = Overfalls = Fords =  
 Footbridges = Roadbridges = Other =  
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**M. CHANNEL VEGETATION**

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? State:

**N. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Broad/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Lushy debris  Fen  Flush

**O. CHANNEL VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

**P. CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other: (tick appropriate box(es))

**Q. CHANNEL VEGETATION**

Major impacts: headfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fabrications management - sitting - other? =

Load Management: set aside - buffer strip - headland - abandoned land - partland - MoD - other? =

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - moor martin - heron - dragonflies/damselflies

Other significant observations: *Very high bank on right side of channel. Some water in gully. Some water in gully. Some water in gully.*

**R. CHANNEL VEGETATION**

Adlers? None  Present  Extensive  Diamond Adlers? None  Present  Extensive

**A BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6710  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: TL 805945 River: WISSEY  
 Date 2/21/1996 Time: 6:45 Surveyor name: N. FRIEVE Accreditation code: PF12

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley, add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)**

Riffles 3 Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY STEIN SPOTLIGHT Page 2 of 2

TALLY (use this for riffles) Point Unveg side bars Veg point bars

**I. PHYSICAL ATTRIBUTES (to be checked across channel within 1m wide transects)**

Spot check 1 is upstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	C	W	F	P	E	A	E	A	E	A
Bank modification(s)	R	I	R	I	R	S	N	R	S	R
Bank feature(s)	N	O	S	B	V	S	N	O	S	N
RIGHT BANK										
Material	C	E	A	E	A	E	A	E	A	E
Bank modification(s)	R	I	N	O	R	S	N	O	R	S
Bank feature(s)	N	O	N	O	N	O	N	O	N	O

**II. CHANNEL CHARACTERISTICS (to be checked across a 10m wide transect)**

Land use: choose one from RL, CP, DR, MH, SC, TH, RP, AG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	S	U	S	U	T	L	S	L	K	M	H	A	L	L	S
LEFT BANK TOP (structure within 1m)	B	U	U	U	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	B	U	U	U	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	B	C	S	S	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m)	B	S	U	U	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	S	U	L	K	M	H	A	L	L	S					

**III. CHANNEL VEGETATION (to be checked across a 10m wide transect)**

NONE															
Bryophytes/lichens															
Emergent broad-leaved herbs															
Emergent root/leaf/rhizomes															
Floating-leaved (rooted)															
Free-floating															
Amphibious															
Submerged broad-leaved															
Submerged filiculous-leaved															
Filamentous algae															

SITE NO 6710

**IV. CHANNEL VEGETATION (to be checked across a 10m wide transect)**

Broadleaved/woolbed woodland (BL)															
Coniferous plantation (CP)															
Orchard (OR)															
Moorland/heath (MH)															
Scrub (SC)															
Tall herbs/mast vegetation (TH)															
Natural/semi-nat															
Vertical/undercut															
Vertical + toe															
Steep (>45°)															
Gentle															
Composite															

**V. CHANNEL VEGETATION (to be checked across a 10m wide transect)**

None															
Isolated/scattered															
Regularly spaced, single															
Occasional clumps															
Semi-continuous															
Continuous															

**VI. CHANNEL VEGETATION (to be checked across a 10m wide transect)**

None															
Shading of channel															
Overhanging boughs															
Exposed bankside roots															
Underwater tree roots															
Fallen trees															
Coarse woody debris															

**VII. CHANNEL VEGETATION (to be checked across a 10m wide transect)**

None															
Marginal deadwater															
Exposed bedrock (CLAV)															
Exposed boulders															
Unvegetated mid-channel bar(s)															
Vegetated mid-channel bar(s)															
Mature island(s)															
Unvegetated side bar(s)															
Vegetated side bar(s)															

**VIII. CHANNEL VEGETATION (to be checked across a 10m wide transect)**

None															
Waterfall(s)															
Cascade(s)															
Rapid(s)															
Riffle(s)															
Run(s)															
Pool(s)															

Indicate predominant flow sequence (select up to three features): GLIDE (REF)

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES

**IX. CHANNEL DIMENSIONS (to be measured at 10m wide transect on parallel uniform section, preferably across riffle)**

LEFT BANK	Banktop height (m)	Banktop width (m)	RIGHT BANK	Banktop height (m)
	0.8	12.5		0.8
	Water width (m)	10.5		Banktop height (m)
	Embankment height (m)	0.1		Embankment height (m)

If bankline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**X. CHANNEL FEATURES (to be checked across a 10m wide transect)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weirs? No  Yes, <33% of site  >33% of site

**XI. CHANNEL FEATURES (to be checked across a 10m wide transect)**

None  Dredging  (Bank Top) Moving  Wood cutting   
 Enhancement  > Other? State WEED SPRAYING (Bank Margins)

**XII. CHANNEL FEATURES (to be checked across a 10m wide transect)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pool  Flush

**XIII. CHANNEL FEATURES (to be checked across a 10m wide transect)**

Is 33% or more of the channel choked with vegetation? NO  YES

**XIV. CHANNEL FEATURES (to be checked across a 10m wide transect)**

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other (None)  Rhododendron bractea

**XV. CHANNEL FEATURES (to be checked across a 10m wide transect)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management (cutting) other? = \_\_\_\_\_

Lead Management: set-back - buffer strip - headland - abandoned land - putland - MoD - other? = FISH (GR)

Animals: otter - minck - water vole - kingfisher - dipper - grey wagtail - moor martin - heron - dragonfly

Other significant observations: Survey reach operated as Trout fishery.  
 > River suffering from low flows

Alerts? None  Present  Extreme  Discard Alerts? None  P

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m)	Slope (m/km)	Flow category (1-10)
Soil geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary	Navigation
Height of source (m)	Water Quality Class	

**FIELD SURVEY DATA**

Reference network site number: **6711**

Mid-site grid reference of network site if different from designated location.

Grid Reference: **TL 991008** River: **THET.**

Date: **3.7.1996** Time: **16.00** Surveyor name: **N. GRIEVE** Accreditation code: **PC 12**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character?  No  Yes  (tick one box)  
(duplicate will be made by scanning)  
and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

<input type="checkbox"/> shallow vee		<input type="checkbox"/> concave/bowl (if U-shaped glacial valley - add 'U')
<input type="checkbox"/> deep vee		<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge		<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles	Unvegetated point bars
Pools	Vegetated point bars

COMPLETED FORMS MUST be filled plus all water samples and expenses claim TO DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH10 6SB

**1996 RIVER HABITAT SURVEY ATIN STOK, GLEICKS**

1:1000 scale plan for riffles

**PHYSICAL ATTRIBUTES**

Bank material	1	2	3	4	5	6	7	8	9	10
Bank modification(s)	SA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SD	PS	SA	AP	SI	SI	SI	GP	GP	SI
Substrate shape	NU	PO	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SA	SA	SA	SA	SA	SA	SA	SA	SA
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK**

Bank material	SA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**PLANT COMMUNITY AND VEGETATION STRUCTURE**

Land use: choose one from B, O, CR, WH, SC, TH, SP, SL, PL, W, OW, D

LAND USE WITHIN 5m OF BANKTOP (L)	LG	IG	TL	IG	IG	IG	IG	IG	TL
LEFT BANK TOP (structure within 1m) BUSIC	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BUSIC	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BUSIC	S	C	U	S	S	U	S	S	S
RIGHT BANK TOP (structure within 1m) BUSIC	S	S	U	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	BL	TL	TL	TL	TL	TL	TL	BL

**PLANT COMMUNITY**

NONE	PLANT GENERA - list first 5								
Bryophytes/lichens									
Emergent broad leaved herbs									
Emergent reed/sedge/rushes	N	N	N	N	N	N	N	N	N
Flowering leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad leaved									
Submerged fan-leaved									
Filamentous algae									

+ = SEA level - 0.5m from channel banktop (0.25 x 0.5m)

**6711**

Disturbed woodland (DL)	L	R	Rough pasture (RP)	L	R
Scrub plantation (SP) and (SD)			Improved/semi-improved grass (IG)		E
Woodland/scrub (WD)			Tidal land (TL)		N
Open water (OW)			Wetland (eg bog, marsh, fen) (WL)		
Urban/semi-urban (US)			Open water (OW)		
Urban/semi-urban (US)			Suburban/urban development (SU)		

**NATURAL/REINFORCED**

Natural/reinforced	L	R	Artificial/maint flood	L	R
Reinforced			Reinforced - whole bank		
Reinforced - top only			Reinforced - toe only		
Artificial two-stage			Artificial two-stage		
Embanked			Embanked		
Set back embankments			Set back embankments		

**TREES (tick one box per bank)**

None	Left	Right	None	Percent	5 (2-11%)
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging branches		
Occasional clumps			Stripped bankside roots		
Small continuous			Underwater tree roots		
Continuous			Fallen trees		
			Overhanging debris		

**ASSOCIATED FEATURES (tick one box per feature)**

None	Percent	5 (2-11%)
Marginal deadwood		
Exposed bankrock		
Exposed boulders		
Unvegetated mid channel bar(s)		
Vegetated mid channel bar(s)		
Mature island(s)		
Unvegetated side bar(s)		
Vegetated side bar(s)		

**WATERBODIES**

None	Percent	5 (2-11%)
Overhead		
Surface		
Riffle		
Road		
Bank		
Channel		
Pool		

**IC** predominant flow sequence (select up to three features): **GLIDE**

**CHANNEL DIMENSIONS AND FLOWING**

LEFT BANK	Banktop width (m)	13.5	RIGHT BANK	Banktop width (m)	13.5
Banktop height (m)	2.0	Water width (m)	5.75	Banktop height (m)	2.0
Embanked height (m)	2.25	Water depth (m)	NK	Embanked height (m)	2.5

If embankment lower than banktop break in slope, indicate height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_ NO OBS/ON TL

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  tick one box

**CHANNEL VEGETATION**

None  Number of Cutters = \_\_\_\_\_ Weirs = \_\_\_\_\_ Overfalls = \_\_\_\_\_ Pools = \_\_\_\_\_  
Pond/bridge = \_\_\_\_\_  
Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**CHANNEL MANAGEMENT**

None  Dredging  Mowing  Wood cutting   
Enhancement  Other  State \_\_\_\_\_

**CHANNEL CHARACTERISTICS**

None  Weirfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
Bank/side channel  Natural open water  Carr   
Debris dams  Water meadow  Marsh   
Landy debris  Pox  Flank

**CHANNEL VEGETATION**

Is 33% or more of the channel choked with vegetation? NO  YES

**CHANNEL VEGETATION**

None  Giant Hogweed  Equisetum hyemale  Japanese Knotweed  Other (tick one box) \_\_\_\_\_

**MAJOR IMPACTS**

landfill - clipping - litter - storage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying (excavation) - afforestation - fisheries management - zebra - other = \_\_\_\_\_

Land Management: on-site - buffer strip - bankline - abandoned land - portland - MoD - other? = \_\_\_\_\_

Animals: \_\_\_\_\_ over - mist - water vole - kingfisher - dipper - grey wagtail - mallard - heron - dragonfly/damselfly

Other significant observations: **RS channel - steep, high banks (0.5m x 0.5m)**

**CHANNEL VEGETATION**

Advers? None  Percent  Extensive  Damaged Advers? None  Percent  Extensive





**WATER QUALITY SURVEY WITH THE MODS FOR PLANT SCORING AND TENDING**

**BACKGROUND, MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow Category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Planform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**Reference network site number:** 6713  
**Mid-site grid reference of network site if different from designated location:**

**Grid Reference:** TMI46915 **River:** UN-NAMED  
**Date:** 9/7/1996 **Time:** 13:15 **Surveyor name:** P. Edelt **Accreditation code:** PF35

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**NUMBER OF RIFFLES, POOLS AND VEGETATED POINT BARS (indicate total number)**

Riffles: 3 Unvegetated point bars \_\_\_\_\_  
 Pools: \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAKEHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY DIVISIONS AND DIFFERENCES**

**TALLY (see DM) for - Riffles** Pools Unveg. side bars Veg point bars

**LEFT BANK**

Site check 1-10	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	RS	NO	RS	RS	NO	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SP	SP	SP	SP	S1	S1	SP	SP	S1	S1
Substrate slope	IR	IR	IR	IR	MA	MA	RA	RA	NA	NA
Plan type	SM	RP	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	MR	NO	NO	NO	NO	NO	NO	NO	NO

**RIGHT BANK**

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	RS	RS	RS	RS	NO	RS
Bank feature(s)	NO	SB	SB	NO	NO	NO	NO	NO	NO	NO

**LAND USE WITHIN 5m OF BANK TOP (L)**

IS	IS	IS	IS	IS	IS	IS	IS	IS	IS
LEFT BANK TOP (structure within 1m)	S	S	S	U	S	S	U	S	S
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	S	S	S	S	U	S	S	S	S
RIGHT BANK TOP (structure within 1m)	S	S	S	S	S	S	S	S	U

**LAND USE WITHIN 5m OF BANK TOP (R)**

IS	IS	IS	IS	IS	IS	IS	IS	IS	IS
RIGHT BANK TOP (structure within 1m)	S	S	S	S	S	S	S	S	U

**PLANT GENERA - list first 5**

Bryophytes/lichens	/	/	/	/	/	/	/	/	/
Emergent broad-leaved herbs	/	/	/	/	/	/	/	/	/
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/
Flowering leaved (rooted)	/	/	/	/	/	/	/	/	/
Free-floating	/	/	/	/	/	/	/	/	/
Amphibious	/	/	/	/	/	/	/	/	/
Submerged broad leaved	/	/	/	/	/	/	/	/	/
Submerged fine-leaved	/	/	/	/	/	/	/	/	/
Filamentous algae	/	/	/	/	/	/	/	/	/

**NO. 6713**

**LAND USE RECORD (L = Left, R = Right)**

Deciduous woodland (DL)	L	R	Rough pasture (RP)	L	R
Low plantation (LP)			Improved/semi-improved grass (IG)	E	E
Ground (GR)			Tidal land (TL)		
Moorland/heath (MR)			Wetland (eg bog, marsh, fen) (WZ)		
Open water (OW)			Open water (OW)		/
Urban/road vegetation (UR)	E		Suburban/urban development (SU)		/

**Natural/unmodified** **L** **R** **Artificial/modified** **L** **R**

Unreinforced	/	/	Reinforced	E	E
6+ toe	/	/	Reinforced - whole bank	/	/
Steep (>45°)	/	/	Reinforced - top only	/	/
Gentle	/	/	Reinforced - toe only	/	/
Site	/	/	Artificial two-stage	/	/
	/	/	Poached	/	/
	/	/	Embanked	/	/
	/	/	Set back embankments	/	/

**TREES (tick one box per bank)** **ASSOCIATED FEATURES (tick one box per feature)**

None	Left	Right	Shading of channel	None	Percent E (2-11%)
Isolated/scattered	/	/	Overhanging boughs	/	/
Regularly spaced, single	/	/	Exposed bankside roots	/	/
Occasional clumps	/	/	Underwater tree roots	/	/
Scrub/scrubland	/	/	Fallen trees	/	/
Continuous	/	/	Coarse woody debris	/	/

**WATERFALLS (s)** **None** **Present E** **Marginal deadwater** **None** **Present E (2-11%)**

Concealed	/	/	Exposed bedrock	/	/
Rapid	/	/	Exposed boulders	/	/
Riffle	/	/	Unvegetated mid channel bar(s)	/	/
Ram	/	/	Vegetated mid channel bar(s)	/	/
Bank	/	/	Mature island(s)	/	/
Channel	/	/	Unvegetated side bar(s)	/	/
Pool	/	/	Vegetated side bar(s)	/	/

**predominant flow sequence (select up to three features):**

**CHANNEL DIMENSIONS (measure at banktop or 1m from banktop unless stated otherwise)**

LEFT BANK	Banktop width (m)	3.70	RIGHT BANK	Banktop height (m)	1.10
	Banktop height (m)	1.0		Water width (m)	1.70
	Embanked height (m)	Water depth (m)		Embanked height (m)	
		0.10			

If embankment lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (concrete)  unconsolidated (stone)  unknown

Location of measurement is: riffle  rap or glide  other  (tick one box)

**VEGETATION**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by vegetation? No  Yes, <33% of site  >33% of site

**WIDER CHANNELS (measure at banktop)**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State \_\_\_\_\_

**VEGETATION OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Briddled/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CROPPED CHANNELS (s)**

Is 33% or more of the channel choked with vegetation? NO  YES

**NOTABLE OBSTRUCTIONS**

None  Giant Hogweed  Humulus lupulus  Japanese Knotweed  Other? Nettle, Eleocharis acicularis

**SPECIAL CHANNEL FEATURES**

Major impacts: landfill  tipping  litter  pollution  dredging  abstraction  mill  dam  road  railway   
 housing  mining  quarrying  overdevelopment  afforestation  fisheries management  other

Land Management: set aside  buffer strip  headland  abandoned land  partitioned  MoD  other? \_\_\_\_\_

Animals: other  minil  water vole  kingfisher  dipper  grey wagtail  mud martin  heron  (Anas platyrhynchos)

Other significant observations: retained open water is a bathing lake on the R.B.  
First part of surrounding timber on left bank, near a flow  
into main open riverbed. Much tall willow on the R.B.

Alfalfa? None  Present  Extensive  Dispersed Alfalfa? None  Present  Extensive

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/A) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6714  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: TM 209951 River: HENPHALL BECK  
 Date: 3.7.1996 Time: 13:15 Surveyor name: P. Go. Wt Accreditation code: PF 35

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. DOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley, add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. NUMBER OF RIFLES, POOLS AND POINT BARS**

Rifles: \_\_\_\_\_ Unvegetated point bars: \_\_\_\_\_  
 Pools: \_\_\_\_\_ Vegetated point bars: \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and exposure chains TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STONE, WAREHAM, BH20 6SS

**3. RIVER HABITAT SURVEY ADDITIONAL DIMENSIONS AND DIFFERENCES**

LEFT BANK: Banktop width (m) 3.20 Banktop height (m) 0.50  
 Bank height (m) 0.70 Water width (m) 2.50 Water depth (m) 0.25  
 Embankment height (m) \_\_\_\_\_

If bankline lower than banktop level in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (homogeneous)  unconsolidated (heterogeneous)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**MINOR CHANNEL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Folds = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Embankments = \_\_\_\_\_  
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

**WATER MANAGEMENT OPERATIONS**

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? State: \_\_\_\_\_

**SPECIAL INTEREST FEATURES**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brackish/side channels  Natural open water  Carr   
 Oxbow dams  Water meadows  Marsh   
 Leafy debris  Pits  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

**WATER MANAGEMENT OPERATIONS (continued)**

None  Open Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name: Nettle, Rhododendron fructus

**MAJOR OPERATIONS**

Major impacts: (tick one or more) litter - average; pollution - drought; abstraction; mill; dam; road; full discharge;  
 (tick one or more) banking; dredging; quarrying; embankment; afforestation; fabricate management (CMA) - which = \_\_\_\_\_

Land Management: (tick one or more) buffer strip; headland; abandoned land; portland; MeD; other = \_\_\_\_\_

Animals: (tick one or more) water vole; kingfisher; dipper; grey heron; mallard; water thrush; dragonfly/stonefly  
 Other significant observations: 150m water meadows with reeds down and  
 100m water meadows with reeds down and  
 100m water meadows with reeds down

Abandon? None  Present  Extensive  Disposed Abandon? None  Present  Extensive

**IFE AND VEGETATION**

Structurally modified woodland (BL)	L	R		L	R
Coniferous plantation (CP)			Rough pasture (RP)	E	E
Orchard (OR)			Improved/semi-improved grass (IG)		
Moorland/heath (AG)			Tidal land (TL)		
Scrub (SC)			Wetland (eg bog, sedge, fen) (WL)		
Tall herbs and vegetation (TH)			Open water (OW)		
			Suburban/urban development (SU)		

**ARTIFICIAL MODIFIED**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/unobscured			Embankment		
Vertical + obs			Reinforced - whole bank		
Slope (> 4:1)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial terracing		
			Pitched		
			Embanked		
			Set back embankment		

**TILES (tick one box per bank)**

None	Left	Right
Lined/uncoated	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional change	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scal/continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Shading of channel	None	Present E (2:1)E
Overhanging banks	<input type="checkbox"/>	<input type="checkbox"/>
Ergodic bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Pedlar trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Channel woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATERBODIES**

Waterfall(s)	None	Present E (2:1)E
Concave(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oxbow(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

**MARGINAL FEATURES**

Marginal scrubland	None	Present E (2:1)E
Exposed bankbed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated acid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated acid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): \_\_\_\_\_

**WATERBODIES**

Waterfall(s)	None	Present E (2:1)E
Concave(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Oxbow(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

**MARGINAL FEATURES**

Marginal scrubland	None	Present E (2:1)E
Exposed bankbed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bankside	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated acid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated acid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): \_\_\_\_\_



**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/m) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Manform Category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation?  Y  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number 6716  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: TM409908 River: WAVENEY  
 Date: 1.7.1996 Time: 8.50 Surveyor name: L. Lohr Accreditation code: PF35

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM**

shallow vee  concave/bowl (if U-shaped glacial valley, add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D. FORMS OF POINT BARS, POOLS AND POINT BARS**

Riffles  Unvegetated point bars  
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and laboratory claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WALKERH, SH10 6BE

**WAVENEY RIVER QUALITY SURVEY - DIMENSIONS AND INFLUENCES**

TABLE 1 (see 2.1) for: Riffles Points Unveg. side bars Veg. point bars

**VEGETATION ATTRIBUTES (to be filled in by the surveyor)**

Site check 1 is: <input checked="" type="checkbox"/> riparian <input type="checkbox"/> non-riparian	1	2	3	4	5	6	7	8	9	10
Macrophyte abundance (0-10)	SP	SP	SP	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate slope	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bank face(s)	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	EM	EM	EM	EM	EM	EM	EM	EM	EM	EM
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE WITHIN 5m OF BANKTOP (L)**

	TH	TH	TH	TH	NV	TH	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m) BASIC	S	U	U	U	S	U	S	S	S	S
LEFT BANK FACE (structure) BASIC	B	S	S	U	U	U	S	S	S	S
RIGHT BANK FACE (structure) BASIC	U	U	U	U	S	U	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BASIC	S	U	U	U	S	U	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	UL	UL	UL	UL	BL	UL	BL	UL	UL	BL

**PLANT GENERA (list first 5)**

NONE  PLANT GENERA - list first 5

Bryophytes/Lichens \_\_\_\_\_  
 Emerging broad-leaved herbs \_\_\_\_\_  
 Emerging sedge/grass/reeds \_\_\_\_\_  
 Floating-leaved (round) \_\_\_\_\_  
 Free-floating \_\_\_\_\_  
 Amphibious \_\_\_\_\_  
 Submerged broad-leaved \_\_\_\_\_  
 Submerged fan-leaved \_\_\_\_\_  
 Filamentous algae \_\_\_\_\_

**SITE NO. 6716**

**VEGETATION ATTRIBUTES**

	L	R		L	R
Broadleaved woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tidal land (TL)	E	
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WZ)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)	<input checked="" type="checkbox"/>		Suburban/urban development (SU)		

**NATURAL/UNMODIFIED**

	L	R	Artificial/modified	L	R
Vertical/undrains	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		
Vertical + bar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank		E
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Coarse	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite			Artificial toe-slope		
			Pitched		
			Embankment		E
			Set back embankment		E

**TRACES (tick one box per bank)**

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2/1/4)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging banks	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed backside rocks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Small continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pulver trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATERBARS**

	None	Present E (2/1/4)
Waterbar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Concrete(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riprap(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rock(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chute(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): \_\_\_\_\_

**WAVENEY RIVER QUALITY SURVEY - DIMENSIONS AND INFLUENCES**

**VEGETATION ATTRIBUTES**

LEFT BANK	Banktop width (m)	25.5	RIGHT BANK
Banktop height (m)	0.60	Water width (m)	2.5
Embankment height (m)		Water depth (m)	NV
		Embankment height (m)	1.50

If location lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: unconsolidated (compact)  unconsolidated (loose) - Checkpoint

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION ATTRIBUTES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by vegetation? No  Yes <33% of site  >33% of site

**VEGETATION ATTRIBUTES**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**VEGETATION ATTRIBUTES**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brashed/side channels  Natural open water  Carr   
 Debris dams  Water cascades  Marsh   
 Leafy debris  Pile  Flush

**VEGETATION ATTRIBUTES**

Is 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION ATTRIBUTES**

None  Great Hayward  Hemlock Blinn  Japanese Knotweed  Other? North Rhododendron fructus

**VEGETATION ATTRIBUTES**

Major impacts: building - house - garage - garden - fence - driveway - road - rail - industry - track - bridge - culvert - weir - dam - embankment - vegetation - other? \_\_\_\_\_  
 Lead Management: ad-side - buffer strip - banked - abandoned land - parkland - MoD - other? \_\_\_\_\_

Animals: water - bank - near-side - bankside - upper - pool - rapid - sand - mud - silt - gravel - other? \_\_\_\_\_

Other significant observation: High bank vegetation with trees will result in the bank eroding. The new is banked. Corr in some places, in water character. Poles & roots of water ways.

Alarm? None  Present  Extreme  Occasional Alarm? None  Present  Extreme

**BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/Lm) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6717  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SN627882 River: LERI  
 Date: 22/5/1996 Time: 6.00 Surveyor name: N. CREW Accreditation code: PF.12

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**DOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box only)**

Rifles 5 Unvegetated point bars \_\_\_\_\_  
 Pools 2 Vegetated point bars \_\_\_\_\_

COMPLETED FORMS WEEKLY plus all water samples and exposures claims TO  
 JAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY SPOT CHECKS** Page 2 of 4

TALLY (see Ref) for Riffles: Pools: Uveg side bars Veg point bars

**PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transects) - one entry only**

Spot check 11 upstream	1	2	3	4	5	6	7	8	9	10
Material	W	A	B	C	D	E	F	G	H	I
Bank modification(s)	1	2	3	4	5	6	7	8	9	10
Bank feature(s)	1	2	3	4	5	6	7	8	9	10
Channel substrate	1	2	3	4	5	6	7	8	9	10
Substrate shape	1	2	3	4	5	6	7	8	9	10
Flow type	1	2	3	4	5	6	7	8	9	10
Channel modification(s)	1	2	3	4	5	6	7	8	9	10
Channel feature(s)	1	2	3	4	5	6	7	8	9	10

**RIGHT BANK: TICK if functional feature**

Material W A B C D E F G H I  
 Bank modification(s) 1 2 3 4 5 6 7 8 9 10  
 Bank feature(s) 1 2 3 4 5 6 7 8 9 10

**BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

LAND USE WITHIN 5m OF BANKTOP (L) 1 2 3 4 5 6 7 8 9 10  
 LEFT BANK TOP (structure within 1m) 1 2 3 4 5 6 7 8 9 10  
 LEFT BANK FACE (structure) 1 2 3 4 5 6 7 8 9 10  
 RIGHT BANK FACE (structure) 1 2 3 4 5 6 7 8 9 10  
 RIGHT BANK TOP (structure within 1m) 1 2 3 4 5 6 7 8 9 10  
 LAND USE WITHIN 5m OF BANK TOP (R) 1 2 3 4 5 6 7 8 9 10

**CHANNEL VEGETATION (tick one box only)**

NONE / PLANT GENERA - list first 5

Bryophytes/algae	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent broad-leaved herbs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent reeds/cyperus/rushes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Floating-leaved (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged fine-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NO. 6717

**CHANNEL DIMENSIONS (m)**

LEFT BANK	Banktop width (m)	<u>9.0</u>	RIGHT BANK
Banktop height (m)	Water width (m)	<u>6.6</u>	Banktop height (m)
Embankment height (m)	Water depth (m)	<u>0.14</u>	Embankment height (m)

If waterline lower than banktop height in slope, indicate: height (m) = 1.0 width (m) = 9.5  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  bankrock   
 Location of measurement is: cliffs  run or glide  other  (tick one box)

**WATER QUALITY**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? Stone \_\_\_\_\_

**VEGETATION OF CHANNEL BANKS**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braked/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foa  Flush

**CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Mistle Rhododendron brachylobos

**MAJOR IMPACTS**

landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying overgrazing - afforestation - fisheries management - silting - other? \_\_\_\_\_  
 Lead Management: no side - buffer strip - headland - abandoned bed - partition - MoD - other? CARJAN BARR LUR  
 Animals: otter - mist - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Other significant observations: CO siltation, with 3-4m deep  
EM side bar - R - P - 2 - 100m - 1

**TREES (tick one box per bank)**

None	Left	Right	Shading of channel	None	Percent E (2.33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed buttress roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Small continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Causes woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Percent E (2.33%)	Marginal dead-water	None	Percent E (2.33%)
Concave(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Low(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Side(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

predominant flow sequence (select up to three features): REFLE - GIDE - GLIDE

**1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES** NO. 6717

**CHANNEL DIMENSIONS (m)**

LEFT BANK	Banktop width (m)	<u>9.0</u>	RIGHT BANK
Banktop height (m)	Water width (m)	<u>6.6</u>	Banktop height (m)
Embankment height (m)	Water depth (m)	<u>0.14</u>	Embankment height (m)

If waterline lower than banktop height in slope, indicate: height (m) = 1.0 width (m) = 9.5  
 Bed material at site is: consolidated (compact)  unconsolidated (loose)  bankrock   
 Location of measurement is: cliffs  run or glide  other  (tick one box)

**WATER QUALITY**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

None  Dredging  Mowing  Weed cutting   
 Embankment  Other? Stone \_\_\_\_\_

**VEGETATION OF CHANNEL BANKS**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braked/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foa  Flush

**CHOKED CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Mistle Rhododendron brachylobos

**MAJOR IMPACTS**

landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying overgrazing - afforestation - fisheries management - silting - other? \_\_\_\_\_  
 Lead Management: no side - buffer strip - headland - abandoned bed - partition - MoD - other? CARJAN BARR LUR  
 Animals: otter - mist - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies  
 Other significant observations: CO siltation, with 3-4m deep  
EM side bar - R - P - 2 - 100m - 1

**TREES (tick one box per bank)**

None	Left	Right	Shading of channel	None	Percent E (2.33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed buttress roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Small continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Causes woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Percent E (2.33%)	Marginal dead-water	None	Percent E (2.33%)
Concave(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Low(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Side(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

predominant flow sequence (select up to three features): REFLE - GIDE - GLIDE





**BACKGROUND MAP-BASED INFORMATION**

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Planform category
Distance from source (km)	Significant tributary?	Navigation?
Height of source (m)	Water Quality Class	

**FIELD SURVEY DETAILS**

Reference network site number: 6719

Mid-site grid reference of network site if different from designated location.

Grid Reference: SN 872865 River: SEVERN

Date: 24/5/1996 Time: 12:45 Surveyor name: N. GRIEVE Accreditation code: 0512

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph, general character? No  Yes  (tick one box)  
(duplicate will be made by scanning)

and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

<input checked="" type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl (if U-shaped glacial valley - add "U")
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**DISTRIBUTION OF RIFLES, POOLS AND POINT BARS (indicate total channel)**

Rifles  Unvegetated point bars

Pools  Vegetated point bars

UNCOMPLETED FORMS PLEASE plus all water samples and expenses claims TO  
P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

TALLY (see left for Riffles) Pools Unveg side bars Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only**

Spot check	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material <input type="checkbox"/> M <input type="checkbox"/> S <input type="checkbox"/> G <input type="checkbox"/> C <input type="checkbox"/> P <input type="checkbox"/> CL <input type="checkbox"/> SL <input type="checkbox"/> PL <input type="checkbox"/> GR <input type="checkbox"/> BR <input type="checkbox"/> B	E	S	G	C	P	CL	SL	PL	GR	B
Bank modification <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> B <input type="checkbox"/> D	N	N	N	N	N	N	N	N	N	N
Bank features <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> B <input type="checkbox"/> D	N	N	N	N	N	N	N	N	N	N
<b>CHANNEL</b>										
Channel substrate <input type="checkbox"/> M <input type="checkbox"/> S <input type="checkbox"/> G <input type="checkbox"/> C <input type="checkbox"/> P <input type="checkbox"/> CL <input type="checkbox"/> SL <input type="checkbox"/> PL <input type="checkbox"/> GR <input type="checkbox"/> BR <input type="checkbox"/> B	B	O	A	M	B	C	C	E	B	E
Substrate shape <input type="checkbox"/> P <input type="checkbox"/> O <input type="checkbox"/> S <input type="checkbox"/> L <input type="checkbox"/> C <input type="checkbox"/> P <input type="checkbox"/> B <input type="checkbox"/> O <input type="checkbox"/> B <input type="checkbox"/> O <input type="checkbox"/> B	P	O	S	L	C	P	B	O	B	O
Flow type <input type="checkbox"/> L <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/> C <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> P	S	W	C	P	C	P	C	P	C	P
Channel modification <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> B <input type="checkbox"/> D	N	N	N	N	N	N	N	N	N	N
Channel features <input type="checkbox"/> M <input type="checkbox"/> H <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> P <input type="checkbox"/> C <input type="checkbox"/> M <input type="checkbox"/> B <input type="checkbox"/> D	N	N	N	N	N	N	N	N	N	N

**P. BANKTOP LAND USE AND VEGETATION STRUCTURES (to be assessed over a 10m wide transect)**

Land use: choose one from M, EP, OR, MH, SC, TH, RP, PG, FL, WS, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK TOP (structure within 1m) BWS/C										
LEFT BANK FACE (structure) BWS/C										
RIGHT BANK FACE (structure) BWS/C										
RIGHT BANK TOP (structure within 1m) BWS/C										
LAND USE WITHIN 10m OF BANK TOP (R)										

**CHANNEL VEGETATION SYSTEMS (tick all that apply)**

NONE	PLANT GENERA - list first 5									
Bryophytes/algae										
Emergent broad leaved herbs										
Emergent reed/sedge/rushes										
Floating leaved (free float)										
Free floating										
Amphiphores										
Submerged broad leaved										
Submerged fine/linear leaved										
Filamentous algae										

**10.6719 RIVER HABITAT SURVEY DIMENSIONS AND INTRUSIONS**

	L	R		L	R
Wetland (W)			Rough pasture (RP)		
Open plantation (OP)			Improved/semi-improved grass (IG)		
Overland (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Soil (SO)			Open water (OW)		
Urban/semi-urban (TU)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vegetation			Reinforced		
Vegetation + bank			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Construction			Artificial two-stage		
			Patched		
			Embedded		
			Set back embankments		

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 33%)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Material(s)	None	Present E (≥ 33%)	Marginal deadwater	None	Present E (≥ 33%)
Concave(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Griff(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Islet(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Channel(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

predominant flow sequence (select up to three features): RAPID, CASCADE

**10.6719 RIVER HABITAT SURVEY DIMENSIONS AND INTRUSIONS**

LEFT BANK	Banktop width (m)	13.0	RIGHT BANK
Banktop height (m)	0.45	Water width (m)	11.0
Banktop height (m)		Water depth (m)	0.45
Banktop height (m)		Banktop height (m)	0.45

If banktop lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  boulders

Location of measurement is: riffle  run or glide  other  (tick one box)

**STATISTICAL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_

Featherbridges = \_\_\_\_\_

Is water impounded by weirs/dams? No  Yes, < 33% of site  33% of site

None  Dredging  Moving  Wood cutting

Embankment  Other? State \_\_\_\_\_

**OPERATIONAL OR SPECIAL ADJUSTMENTS**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) POOLS

Brick/side channels  Natural open water  Carr  (artificial)

Debris dams  Water meadow  Marsh  Salt Horsetails

Leafy debris  Foss  Flush  (artificial)

Is 33% or more of the channel choked with vegetation? NO  YES

None  Oist Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

Major impacts: landfill - tipping - enter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - woodland - abandoned bed - pasture - MoD - other? = FORESTRY

Animals: otter - mink - water vole - kingfisher - dipper (grey wagtail) - mud snail - bream - dragonfly/damselfly

Other significant observations: 1200m east channel - good water quality - some open bog vegetation with a few trees

Adverse? None  Present  Extensive  Damaged Adverse? None  Present  Extensive



**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Planform category  
 Distance from source (km) Significant tributary Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: **6723**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: **294813** River: **CLUN**  
 Date: **8/5/1996** Time: **12:00** Surveyor name: **P. Scoble** Accreditation code: **IF35**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley add 'U')  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: *alluvial silt & fine gravel*

**NUMBER OF RIPPLES, POOLS AND POINT BARS (indicate total number)**

Ripples: **6** Unvegetated point bars: **1**  
 Pools: **2** Vegetated point bars: **0**

IF COMPLETED FORMS WEEKLY plus all water samples and expenses claim to F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

**TALLY (see IFE) for** Riffles  Pools  Unveg. side bars  Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed every channel within a 1m wide transect) \* = one entry only**

Spot check (1 in upstream)	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if functional										
Material (M, A, CO, CS, CL, PL, CC, SF, W, G, B, M, B, W)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b> TICK if functional										
Channel substrate (M, A, CO, CS, CL, PL, CC, SF, W, G, B, M, B, W)	CO	CO	RP	CO	RP	CO	RP	CO	CO	CO
Substrate slope (FL, OV, EL, SP, CU, PD, R, D, W, M, W)	FL	FL	EL	FL	EL	FL	EL	FL	FL	FL
Flow type (FL, OV, EL, SP, CU, PD, R, D, W, M, W)	RP	SM	RP	SM	RP	SM	RP	SM	RP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b> TICK if functional										
Material (M, A, CO, CS, CL, PL, CC, SF, W, G, B, M, B, W)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed every 10m wide transect)**

Land use: choose one from (L, CP, CR, WH, SC, TR, RP, IG, FL, W, OV, R)

LAND USE WITHIN 5m OF BANKTOP (L)	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS
LEFT BANK TOP (structure within 1m) BAUSC	U	U	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

**G. CHANNEL VEGETATION TYPES (tick one box only) (see IFE for list of genera) \* = tick (genera) \* 100%**

NONE	PLANT GENERA - list first 5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bryophytes/lichens		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent broad-leaved herbs	<i>to the</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent reeds/sedges/rushes		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating-leaved (rooted)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged fine/linear-leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ENO **6723**

	L	R		L	R
Streamlined woodland (SL)			Rough pasture (RP)		
Forest plantation (CP)			Improved/semi-improved grass (IG)	E	E
Art (AR)			Tilled land (TL)		E
Macroturbate (MT)			Wetland (eg bog, marsh, fen) (WZ)		
Scrub (SC)			Open water (OW)		<input checked="" type="checkbox"/>
Herbs' root vegetation (TR)			Suburban/urban development (SU)		

**CHANNEL VEGETATION TYPES (tick one box only)**

Natural/unmodified	L	R	Artificial/modified	L	R
all-natural	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		<input checked="" type="checkbox"/>
all + low (>45)	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - whole bank		<input checked="" type="checkbox"/>
Grass	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		<input checked="" type="checkbox"/>
rocks	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - toe only		<input checked="" type="checkbox"/>
			Artificial two-stage		<input type="checkbox"/>
			Poached		<input type="checkbox"/>
			Embanked		<input type="checkbox"/>
			Sci track embankments		<input type="checkbox"/>

**TREES (tick one box per bank)**

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (≥33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Some continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**WATERFALLS AND ASSOCIATED FEATURES**

Waterfall(s)	None	Percent E	Marginal dead-water	None	Percent E (≥33%)
Concave(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapids(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffles(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marsh island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

etc predominant flow sequence (select up to three features): *glide / rille*

**1996 RIVER HABITAT SURVEY: CHANNEL DIMENSIONS AND INFLUENCES**

<b>LEFT BANK</b>	Banktop width (m)	<b>6.10</b>	<b>RIGHT BANK</b>	
Banktop height (m)	Water width (m)	<b>5.60</b>	Banktop height (m)	<b>0.80</b>
Embanked height (m)	Water depth (m)	<b>0.40</b>	Embanked height (m)	

If bankline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  uncompacted (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**STRUCTURAL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Feeds = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RECENT MANAGEMENT**

None  Dredging  Moving  Weed-cutting   
 Enhancement  Other? State \_\_\_\_\_

**OPERATIONS OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Curt   
 Debris dams  Water meadows  Marsh   
 Lusty debris  Flats  Flush

**CHOKED CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**DIPOLOID PLANT STANDS (tick one box)**

None  Obit Hayward  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron bracteata

**MAJOR IMPACTS:** landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? = \_\_\_\_\_

**LAND MANAGEMENT:** set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

**ANIMALS:** otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations on your visit: *left bank riffle with 20m gulle and the top bedded for stability. open water on left is separate water channel.*

ALDER (tick appropriate box(es))

Alders' None  Present  Extensive  Dissected Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with ITR, mods for plant genera and fencing Page 1 of 4

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Ortho geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number **6724**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: **S0 357828** River: **KEMP**  
 Date: **8.1.1996** Time: **14:10** Surveyor name: **P. Leadley** Accreditation code: **PF 35**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C. PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/bowl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:

**D. NUMBER OF RIFLES, POOLS AND POINT BARS (tick total number)**

Rifles: \_\_\_\_\_ Unvegetated point bars: \_\_\_\_\_  
 Pools: \_\_\_\_\_ Vegetated point bars: \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
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1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

FULLY (see ITR) for: Riffles / Pools Unveg side bars Veg point bars

**G. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - see entry only**

Spot check 1 to 10 upstream	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TYPIC if functional fence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Material <i>W, M, R, O, C, G, E, L, S, P, J, K, D, F, W, G, A, B, H, U, N</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>W, M, R, O, C, G, E, L, S, P, J, K, D, F, W, G, A, B, H, U, N</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <i>W, M, R, O, C, G, E, L, S, P, J, K, D, F, W, G, A, B, H, U, N</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b> TYPIC if functional fence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Channel substrate <i>W, M, R, O, C, G, E, L, S, P, J, K, D, F, W, G, A, B, H, U, N</i>	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Substrate shape <i>FL, O, EL, SF, CU, PO, R, O, W, N, S, T, W, G, A, B, H, U, N</i>	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type <i>FL, O, EL, SF, CU, PO, R, O, W, N, S, T, W, G, A, B, H, U, N</i>	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) <i>W, M, R, O, C, G, E, L, S, P, J, K, D, F, W, G, A, B, H, U, N</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <i>W, M, R, O, C, G, E, L, S, P, J, K, D, F, W, G, A, B, H, U, N</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b> TYPIC if functional fence	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Material <i>W, M, R, O, C, G, E, L, S, P, J, K, D, F, W, G, A, B, H, U, N</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>W, M, R, O, C, G, E, L, S, P, J, K, D, F, W, G, A, B, H, U, N</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <i>W, M, R, O, C, G, E, L, S, P, J, K, D, F, W, G, A, B, H, U, N</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from *BL, CP, DR, NH, SC, TH, RP, AG, FL, RL, OW, SU*

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP (structure within 1m) BAUSC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES

**G. CHANNEL VEGETATION TYPES (tick all present) (see ITR for details) or tick (present) 50% tick all**

NONE / PLANT GENERA - tick Gen 5	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. **6724**

**INDICATE PRESENCE OF PLANT GENERA (tick all present) (see ITR for details) or tick (present) 50% tick all**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Caulerious plantation (CP)			Improved/mixed-improved grass (IG)	E	E
Orchard (OR)			Tidal land (TL)		
Moorland/heath (MR)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - mud vegetation (TH)			Suburban/urban development (SU)		

**TRACES (tick one box per bank)**

	L	R	Artificial/modified	L	R
Natural/unmodified			Reinforced		
Vertical/bedrock			Reinforced - whole bank		
Vertical - toe			Reinforced - top only		
Slope (>45°)			Reinforced - toe only		
Grade			Artificial two-stage		
Composite			Poached		
			Embarked		
			Set-back construction		

**TRACES (tick one box per bank)**

	None	Left	Right	None	Present E (>33%)
Unstable/eroded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

	None	Present E (>33%)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS (tick one box per bank)**

	None	Present E (>33%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>
Caution(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Race(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rail(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

**Marginal deadwater**

	None	Present E (>33%)
Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Man-made island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **glide/run**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

**LEFT BANK**

Banktop width (m)	5.75	<b>RIGHT BANK</b>	
Banktop height (m)	0.60	Banktop height (m)	0.55
Embankment height (m)		Water width (m)	5.05
		Water depth (m)	0.50

If banktop lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**VEGETATION**

None  Number of Culverts = \_\_\_\_\_ Weirs = **2** Outfalls = \_\_\_\_\_ Fens = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weirs? No  Yes, <33% of site  >33% of site

**VEGETATION CHARACTERISTICS**

None  Dredging  Mowing  Wind cutting   
 Embankment  Other? State: \_\_\_\_\_

**OPERATION OF SPECIAL INTEREST**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**CHANNEL CHANNEL**

Is 33% or more of the channel choked with vegetation? NO  YES

**VEGETATION CHARACTERISTICS**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? *Notio Rhododendron fructus*

**MAJOR IMPACTS**

bedfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - habitat management - silt - other? = \_\_\_\_\_

Land Management: set-back - buffer strip - landward - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: **open water is small pond on RB (which looks like mud) at larger pond area on RB with silt**

Address? None  Present  Extensive  Discard Address? None  Present  Extensive



1996 RIVER HABITAT SURVEY with IFE mods for plant genera and fencing Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-11)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number **6726**  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference **S0 50385** River **CORVE**  
 Date **10/5/1996** Time **10:20** Surveyor name **P. Fenwick** Accreditation code **PF 35**  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)  
 Site surveyed from left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/hoop  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES:  
**D NUMBER OF RIFFLES, POOLS AND POINT BARS (Indicate total number)**

Riffles **3** Unvegetated point bars  
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

DATE: 10/5/96 SITE NO: 6726 RIVER: CORVE

**G PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

TYPE CHECK	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> TICK if functional fence										
Material (see notes on p. 1)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification	N	N	N	N	N	N	N	N	N	N
Bank features	N	N	N	N	N	N	N	N	N	N
<b>CHANNEL</b> NEW - substrate shape codes										
Channel substrate	PP	PP	PP	PP	PP	PP	PP	PP	PP	PP
Substrate shape	NV	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type	SM	PP	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification	N	N	N	N	N	N	N	N	N	N
Channel features	N	N	N	N	N	N	N	N	N	N
<b>RIGHT BANK</b> TICK if functional fence										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification	N	N	N	N	N	N	N	N	N	N
Bank features	N	N	N	N	N	N	N	N	N	N

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

Land use: choose one from M, LP, MH, W, P, R, H, S, T, L, C, S, U, V

LAND USE WITHIN 5m OF BANKTOP (L)	TR	TH	TL	TH	TL	TH	TL	TH	TL
LEFT BANK TOP (structure within 1m) BAUSE	U	U	S	S	S	U	U	U	U
LEFT BANK FACE (structure) BAUSE	S	S	C	S	U	S	S	S	S
RIGHT BANK FACE (structure) BAUSE	S	C	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BAUSE	U	S	S	S	U	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	S	S	TH	TH	TH	TH	TH	TH	TH

**G CHANNEL VEGETATION TYPES (10m wide transect; E (2-3% area) or tick (present) 500m reach only)**

NONE	PLANT GENERA (see first 5)	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens											
Emergent broad-leaved herbs											
Emergent reed/sedge/rushes											
Flowering dicotyledonous											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine-leaved											
Filamentous algae											

SITE NO: 6726 RIVER: CORVE

**CHANNEL DIMENSIONS AND INFLUENCE**

LEFT BANK	Banktop width (m)	7.60	RIGHT BANK	Banktop width (m)	1.80
Banktop height (m)	2.18	Water width (m)	4.60	Banktop height (m)	1.80
Embanked height (m)		Water depth (m)	0.40	Embanked height (m)	

If bankline lower than banktop break in slope, indicate: height (m) = 4.50 width (m) = 8.10

Soil material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL CHARACTERISTICS**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = Other =  
 Is water impounded by weirs? No  Yes, <33% of site  >33% of site

**EVIDENCE OF CHANNEL MAINTENANCE**

None  Dredging  Mowing  Weed-cutting   
 Embankment  Other? State:

**FEATURES OF SPECIAL INTEREST (tick appropriate box(es))**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Loose debris  Fen  Flush

**SECOND CHANNEL (tick one box)**

Is 33% or more of the channel choked with vegetation? NO  YES

**PLANT GENERA (tick appropriate box(es))**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle/Rhododendron/bracken

**MAJOR IMPACTS** (tick appropriate box(es))

landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - mowing - other? =

Land Management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey heron - moorhen - grebe - dragonfly/damselfly

Other significant observations: **mostly deep high water, cattle drink!**

**ALGAE (tick appropriate box(es))**

Algae? None  Present  Extensive  Diatoms? None  Present  Extensive

**INDICATOR TREES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2-33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/occasional	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Under-water tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Canopy woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**WATERBODIES**

Waterbodies	None	Present E	None	Present E (2-33%)
Wetland(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	<input type="checkbox"/>
Canal(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):



**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6727  
 Mid-site grid reference of network site if different from designated location.

Grid Reference: Sd 654831 River: REA  
 Date: 7.5.1996 Time: 09:30 Surveyor name: P. L. [unclear] Accreditation code: PF35

Adverse conditions affecting survey? No  Yes  If yes, state

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)  
 and, as required, special feature? No  Yes  (tick one box)

Site surveyed from left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/howl (if U-shaped glacial valley add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: asymmetrical at start

**D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)**

Rifles: 6 Unvegetated point bars  
 Pools: Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TGN SPOT CHECKS Page 2 of 4

FAMILY (use IFE) for Riffles  /  /  /  Pools Unveg. side bank Veg. point bar

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) \* = one entry only**

Spot check 1 m upstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICEK if functional fence										
Material (VA, BA, CO, CS, CA, PL, CL, CC, SP, CP, CA, MA, BA, BA)	EA	ENEA	EA	ENEA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NE, NO, AS, BS, PS, BM, BM	N	M	N	N	N	N	N	N	N
Bank feature(s)	NO, NO, EC, SC, PV, PV, PV	N	N	N	N	N	N	N	N	N
CHANNEL (NEW - substrate type code)										
Channel substrate (VA, BA, CO, CS, CA, PL, CL, CC, SP, CP, CA, MA, BA, BA)	CO	IP	CO	CO	IP	IP	IP	IP	IP	IP
Substrate shape (S, O, V, E, SP, CO, PO, B, O, O, O, O)	IR	IR	FL	IR	IR	IR	IR	IR	IR	IR
Flow type (S, O, V, E, SP, CO, PO, B, O, O, O, O)	SM	SM	SM	SM	RP	SM	SM	SM	SM	SM
Channel modification(s)	NE, NO, AS, BS, PS, BM, BM	N	N	N	N	N	N	N	N	N
Channel feature(s)	NO, NO, AS, BS, PS, BM, BM	N	N	N	N	N	N	N	N	N
RIGHT BANK TICEK if functional fence										
Material (VA, BA, CO, CS, CA, PL, CL, CC, SP, CP, CA, MA, BA, BA)	BR	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NE, NO, AS, BS, PS, BM, BM	N	N	N	N	N	N	N	N	N
Bank feature(s)	NO, NO, AS, BS, PS, BM, BM	N	N	N	N	N	N	N	N	N
LAND USE WITHIN 5m OF BANKTOP (L)	IP	IP	IP	SC	SC	IP	IP	IP	IP	IP
LEFT BANK TOP structure within 1m	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m)	S	S	S	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANKTOP (R)	S	RP	SC	IP	IP	IP	IP	IP	IP	IP
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/wedges/rushes										
Floating-leaved (monocot)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear leaved										
Filamentous algae										

NO. 6727

	L	R		L	R
Deciduous woodland (DL)					
Open plantation (OP)					
Woodland/scrub (WH)					
Wetland (eg bog, marsh, fen) (WL)					
Open water (OW)					
Suburban/urban development (SU)					

	L	R		L	R
Recessed					
Reinforced - whole bank					
Reinforced - top only					
Reinforced - toe only					
Artificial two-stage					
Poached					
Embanked					
Set-back embankments					

**TRACES (tick one box per bank)**

None	Left	Right	None	Present E (≥ 33%)
Isolated/scattered			Shading of channel	
Regularly spaced, single			Overhanging boughs	
Occasional clumps			Exposed bankside roots	
Semi continuous			Underwater tree roots	
Continuous			Fallen trees	
			Course woody debris	

**ASSOCIATED FEATURES (tick one box per feature)**

None	Present E (≥ 33%)
Marginal downwater	
Exposed bedrock	
Exposed boulders	
Unvegetated mid channel bar(s)	
Vegetated mid channel bar(s)	
Moisture island(s)	
Unvegetated side bar(s)	
Vegetated side bar(s)	

**WATERFALLS**

None	Present E (≥ 33%)
Concealed	
Exposed	
Riffle	
Bank	
Bank	
Old	
Pool	

to predominant flow sequence (select up to three features):

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 3 of 4

**LEFT BANK**

Banktop width (m)	11.10	<b>RIGHT BANK</b>	
Banktop height (m)	1.30	Water width (m)	9.20
Banktop height (m)		Banktop height (m)	1.20
Embedded height (m)		Water depth (m)	0.07
Embedded height (m)		Embedded height (m)	

If trapezium lower than banktop level in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact)  unconsolidated (loose)  Rock/stone

Location of measurement is: riffle  run or glide  other  (tick one box)

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Footbridges = Roadbridges = 1 Other = railway bridge

Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site  (disused)

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? Stone

**OPPORTUNITIES FOR SPECIAL INTEREST (tick appropriate box(es))**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Loose debris  Fox  Flush

Is 33% or more of the channel choked with vegetation? NO  YES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle/Rhododendron bractea

Major impacts: bankfill - clipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? =

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: other - mist - water vole - long-fingered (dipper) grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Creek through former lowe. S. of bridge. The bank of ridge now not deeper, cut & intercalated with silt.

Address? None  Present  Extensive  Disused Address? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and forcing. Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Drift geology code \_\_\_\_\_ Platform Category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B FIELD SURVEY DETAILS**

Reference network site number **6728**  
 Mid-site grid reference of network site if differs from designated location: \_\_\_\_\_

Grid Reference: **S0717853** River: **FORLE BROOK**  
 Date: **6.1.1996** Time: **17:00** Surveyor name: **P. Scalett** Accreditation code: **PF35**

Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_

Bed of river visible? No  partially  entirely  (tick one box)

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning) and, as required, special feature? No  Yes  (tick one box)

Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C PREDOMINANT VALLEY FORM (tick one box only)**

shallow vee  concave/howl (if U-shaped glacial valley - add "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  IFE - VALLEY FORM NOTES: \_\_\_\_\_

**D NUMBER OF RIPPLES, POOLS AND POINT BARS (indicate total number)**

Ripples **9** Unvegetated point bars **2**  
 Pools **1** Vegetated point bars **1**

SEND COMPLETED FORMS WEEKLY plus all water samples and apparatus claims TO  
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

DATE: (see IFE for details) (Time: 17:00) (Site: 6728)

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only**

LEFT BANK	TICK if functional force:	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL - NEW - substrate shape codes =	Plan: (tick one)	SP	SP	SP	SP	SP	SP	SP	SP	SP
Channel substrate	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Substrate shape	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
Channel modification	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel features	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	TICK if functional force:	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank features	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)**

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m)	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m)	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

**G CHANNEL VEGETATION TYPES (10m wide transect: E (2-3% areas) or tick (present) 500m 'catch-all')**

NONE	/	PLANT GENERA	last first							
Bryophytes/lichens	/									
Emerg broad-leaved herbs	/									
Emerg reeds/sedges/rushes	/									
Floating-leaved (macro)	/									
Frac floating	/									
Amphibious	/									
Submerged broad-leaved	/									
Submerged fine/linear-leaved	/									
Filamentous algae	/									

SITE NO. **6728**

**CHANNEL DIMENSIONS AND INFLUENCES**

LEFT BANK	Banktop width (m)	<b>7.0</b>	RIGHT BANK	Banktop width (m)	<b>1.0</b>
Banktop height (m)	Water width (m)	<b>5.5</b>	Banktop height (m)	Water depth (m)	<b>0.10</b>
Embankment height (m)	Water depth (m)	<b>0.10</b>	Embankment height (m)	Banktop height (m)	<b>1.0</b>

If available, lower than banktop level in slope, indicate: height (m) = **0.75** width (m) = **6.00**

Bed material at site is: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL VEGETATION**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, <33% of site  >33% of site

**CHANNEL VEGETATION MANAGEMENT**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? State: \_\_\_\_\_

**CHANNEL VEGETATION CHARACTERISTICS**

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Broad/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fens  Flash

**CHANNEL VEGETATION INFLUENCES**

Is 33% or more of the channel choked with vegetation? NO  YES

**CHANNEL VEGETATION CHARACTERISTICS**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? - Nettle, Rhododendron fructus

**CHANNEL VEGETATION INFLUENCES**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - fishing - other? = \_\_\_\_\_

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper - grey heron - mallard - heron - dragonflies/damselflies

Other significant observations: **Some tree planting on right bank. A number of fallen trees in channel - some large.**

Indicate predominant flow sequence (select up to three features):

**TRUNKS (tick one box per bank)**

None	Left	Right	None	Percent E (2-33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>
			Coarse woody debris	<input checked="" type="checkbox"/>

**ASSOCIATED FEATURES (tick one box per feature)**

None	Percent E (2-33%)
Marginal dead-water	<input type="checkbox"/>
Exposed bedrock	<input checked="" type="checkbox"/>
Exposed boulders	<input checked="" type="checkbox"/>
Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>
Vegetated mid channel bar(s)	<input type="checkbox"/>
Mature island(s)	<input checked="" type="checkbox"/>
Unvegetated side bar(s)	<input checked="" type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>

**WATERFALLS (s)**

None	Percent E
Cascades	<input type="checkbox"/>
Rapids	<input type="checkbox"/>
Riffles	<input type="checkbox"/>
Runs	<input type="checkbox"/>
Boils	<input type="checkbox"/>
Obdies	<input type="checkbox"/>
Pools	<input type="checkbox"/>

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Institute of Hydrology  
Institute of Terrestrial Ecology  
Institute of Virology & Environmental Microbiology

**Natural Environment Research Council**