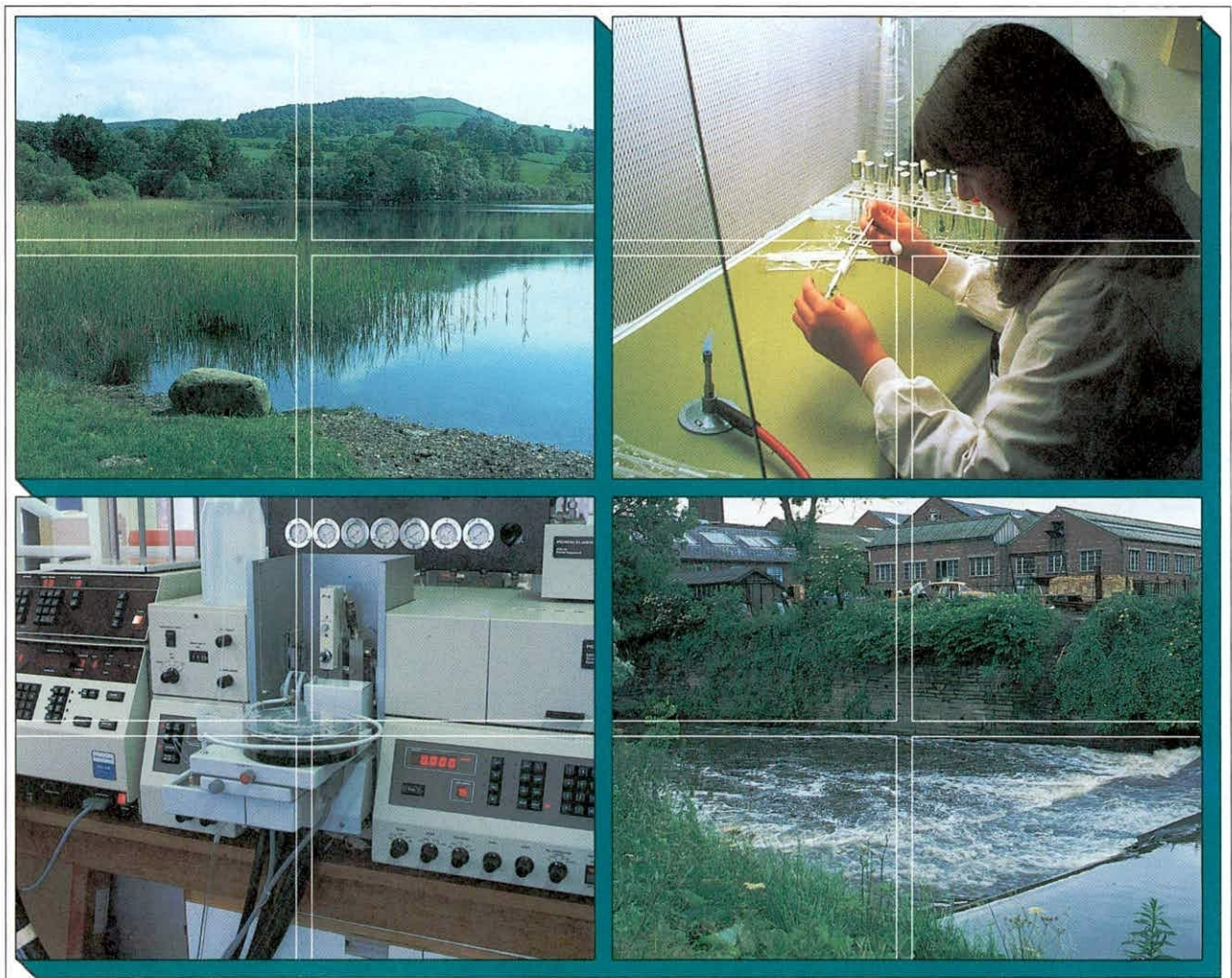


# RIVER HABITAT SURVEY 1996

## Quality Assurance

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I.T.B. Harris MSc; P. Henville; D.D. Hornby MSc;  
J.J. Leach MSc; N. Nicolson BSc**

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





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**RIVER HABITAT SURVEY 1996**

**Quality Assurance**

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G. Collett HND; M. Deville BSc; N.J. Grieve BSc;  
I.T.B. Harris MSc; P. Henville; D.D. Hornby MSc;  
J.J. Leach MSc; N. Nicolson BSc**

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 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: 6103  
 Mid-site grid reference of network site if differs from designated location:

Grid Reference: River: AIRA BETU  
 Date 31.5.1996 Time: 11:30 Surveyor name DEVILS 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  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

**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 functional feature	1	2	3	4	5	6	7	8	9	10
Material	BE CO BE BE BE BE BE BE BO CO										
Bank modification(s)	NE, NO, AS, RI, PC, BA, EM										
Bank feature(s)	MY, NO, EC, SC, PR, VP, SB, VS										
CHANNEL: (NEW or existing) shape codes	FL, OL, EL, SP, CU, PO, TR, Oth. -										
Channel substrate	BE BO CO GP SA SI CL PL AR										
Substrate shape	FL, OL, EL, SP, CU, PO, TR, Oth. -										
Flow type	FF, CH, BW, UM, CF, RP, UP, SM, NP, NO										
Channel modification(s)	NE, NO, CV, AS, RI, DA, FO										
Channel feature(s)	MY, NO, RO, MI, RB, RI, TR										
RIGHT BANK	TICK if functional feature										
Material	BE BO CO GP SA SI CL PL AR										
Bank modification(s)	NE, NO, AS, RI, PC, BA, EM										
Bank feature(s)	MY, 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 BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	TH	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m)	S	U	S	S	B	B	S	U	S	S
LEFT BANK FACE (structure)	S	B	S	U	S	R	S	U	U	S
RIGHT BANK FACE (structure)	S	U	U	S	B	B	S	U	S	S
RIGHT BANK-TOP (structure within 1m)	U	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 (10m wide transect: E (2-33% bank length) or tick (present) 500m catch-all)**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	E	✓	✓	✓	✓					
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. 6103 1996 RIVER HABITAT SURVEY: 500M SWEEP UP Page 3 of 4

**H BANK LAND USE WITHIN 5m OF BANKTOP (Use E (2-33% bank length) or tick (present) 500m catch-all)**

	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)		
Woodland/booth (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' and vegetation (TH)	✓		Suburban/urban development (SU)		

**I ARTIFICIAL FEATURES (tick one box per feature)**

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

**J EXTENT 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 (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 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"/>
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 type="checkbox"/>	<input checked="" type="checkbox"/>

**K SPECIAL CHANNEL FEATURES**

Waterfall(s)	None	Present E	Marginal dead-water	None	Present E (2-33%)
Caecae(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 checked="" type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Glidet(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): CASCADE / RAP / 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)**

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 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)

**M ARTIFICIAL FEATURES (tick one box per feature)**

None  Number of Culverts = Weirs =  
 Footbridges = 1 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  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 (2-33% bank length) IFE note LARGE STANDS of others eg**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron (tick one)

**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 - overdeepening - afforestation - fisheries management - silting - other? =  
 NATIONAL TEST - TOUJISM  
 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 STEEP GRADIENT DOWN WHOLE AREA RUN BY NATIONAL TEST AS A TOUJISM ATTRACTION DUE TO HIGH MOISTURE CONTENT. LOTS OF EROSION ON BANK TOPS DUE TO PRESSURE OF PEDESTALIAN TRAFFIC.

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

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 \_\_\_\_\_ 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: QA

Grid Reference: NY 401208 River: AIRA BECK  
 Date: 9/7/1996 Time: 09:15 Surveyor name: N. G. B. V. E. Accreditation code: PF 17

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

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

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be 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)**

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 20 Vegetated point bars \_\_\_\_\_

NO COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO V. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BS

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

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

Spot check 10m upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material (W, M, G, C, L, P, O, S, F, W, G, L, M, B, Y)	BO	BO	BO	BE	BE	BE	BO	BO	BE	BE
Bank modification(s) (N, H, D, E, L, P, C, M, B, H, D, H)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (W, H, D, E, C, F, P, V, F, S, V, F)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>										
Material (W, M, G, C, L, P, O, S, F, W, G, L, M, B, Y)	BO	BO	BO	BE	BE	BE	BO	BO	BE	BE
Bank modification(s) (N, H, D, E, L, P, C, M, B, H, D, H)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (W, H, D, E, C, F, P, V, F, S, V, F)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE WITHIN 5m OF BANKTOP (L)**

	R	L	B	L	T	B	L	B	L	B
LEFT BANK TOP (structure within 1m) (A, U, Z, C)	S	U	C	S	S	U	S	C	C	C
LEFT BANK FACE (structure) (A, U, Z, C)	S	S	C	C	C	S	S	C	S	C
RIGHT BANK FACE (structure) (A, U, Z, C)	S	C	C	S	C	C	C	S	S	S
RIGHT BANK TOP (structure within 1m) (A, U, Z, C)	U	C	S	S	S	U	C	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	I	G	B	L	R	P	H	B	L	S

**PLANT GENERA - list first 5**

NONE	/									
Bryophytes/lichens		✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibians										
Submerged broad-leaved										
Submersy fine/linear-leaved										
Filamentous algae										

SITE NO: 6103 1996 RIVER HABITAT SURVEY - 300M SWEEP UP

**LAND USE WITHIN 50m OF BANKTOP (tick one box)**

	L	R		L	R
Broadleaf/mixed woodland (BL)	✓	✓			
Grass plantation (GP)					
Wood (OW)					
Wetland (eg bog, marsh, fen) (WL)					
Scrub (SC)					
Open water (OW)					
Suburban/urban development (SU)					

**ARTIFICIAL/MODIFIED**

	L	R		L	R
Vertical/embankment	✓	✓			
Reinforced - whole bank					
Reinforced - top only					
Reinforced - toe only					
Artificial two-stage					
Postbed					
Embankment					
Set-back embankments					

**TREES (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 checked="" type="checkbox"/>	<input checked="" 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"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

	None	Present E (≥ 33%)
Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed boulders	<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 type="checkbox"/>	<input checked="" type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unvegetated 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): PA 30/35

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES Page 3 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>3.5</u>	RIGHT BANK	Banktop width (m)	<u>3.5</u>
Banktop height (m)	Water width (m)	<u>2.5</u>	Banktop height (m)	Water width (m)	<u>0.52</u>
Embankment height (m)	Water depth (m)	<u>0.08</u>	Embankment height (m)	Water depth (m)	<u>0.08</u>

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

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

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 weir/dam? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RECENT MANAGEMENT**

None  Drugging  Mowing  Wood cutting   
 Enhancement  Other? State \_\_\_\_\_

**CHARACTERS OF LOCAL 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

**OTHER RELEVANT INFORMATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick one box) \_\_\_\_\_

**MAJOR IMPACTS**

landfill - tipping - litter - sewage - pollution - drought - abstraction - silt - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Lead Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? = NT

Animals: other - minx - water vole - kingfisher - lappet - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Excellent upland stream, good wildlife habitat.

**ADDITIONAL NOTES (tick one box per feature)**

Alders? None  Present  Extensive  Willow  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 ?(N)  
 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: **6.5.1996** Time: **09.25** Surveyor name: **DUNNAN** 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 **11** 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 STOLE, WAREHAM, BH20 6BB

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

TALLY (use only for reference) Unveg. side face Veg. point bars

**E. PHYSICAL ATTRIBUTES (to be assessed across channel width at 1m wide transects) - in one only only**

Spot check 1 m upstream of downstream	1	2	3	4	5	6	7	8	9	10
Material	BR	EA	EA	EP	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	IC	NO	LC	VC	NO	NO	NO
Channel substrate	GP	GS	GS	EP	GP	GP	GP	CO	CO	ES
Substrate shape	TR	NA	NA	TR	TR	TR	TR	TR	TR	NA
Flow type	RP	RP	SM	RP	SM	RP	UW	UW	UW	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	RO	NO	NO	NO	RO	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	ED	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, CP, OR, NH, SC, FI, RP, HG, FL, WL, OW, SU

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

**G. CHANNEL VEGETATION NOTES**

NONE  PLANT GENERA - list first 5

Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious	E	V		E	V	V	V	V	E	V
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae	E	V	V	V	V	V	V	V	V	V

SITE NO. **6236**

**H. CHANNEL VEGETATION (tick one box per bank)**

Broad/mailed woodland (BL)						
Coniferous plantation (CP)						
Oakland (OR)						
Moorland/heath (MH)						
Scrub (SC)						
Tall herb meadow vegetation (TH)						
Natural/unmodified						
Vertical/undercut						
Vertical + toe						
Steep (>45°)						
Grade						
Composite						

**I. CHANNEL VEGETATION (tick one box per bank)**

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						
Reinforced - whole bank						
Reinforced - top only						
Reinforced - toe only						
Artificial two-stage						
Poached						
Embanked						
Set-back embankments						

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

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

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

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

**L. CHANNEL VEGETATION (tick one box per bank)**

Waterfall(s)						
Overbank(s)						
Rapid(s)						
Riffle(s)						
Ram(s)						
Box(s)						
Slide(s)						
Pool(s)						

Indicate predominant flow sequence (select up to three features): **Left - Right**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

**M. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	<b>1.45</b>	RIGHT BANK	
	Banktop height (m)	<b>0.1</b>		
	Water width (m)	<b>1.45</b>		
	Embanked height (m)	<b>X</b>		
	Water depth (m)	<b>0.06</b>		
	Banktop height (m)			<b>0.45</b>
	Embanked height (m)			<b>X</b>

If transverse 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 (tick one box per bank)**

None  Number of Culverts = **0** Weirs = **0** Outfalls = **1** Fords = **0**  
 Footbridges = **1** Roadbridges = **0** Other = **0**

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

**O. CHANNEL VEGETATION (tick one box per bank)**

None  Drugging  Mowing  Weed cutting   
 Enhancement  Other? State:

**P. CHANNEL VEGETATION (tick one box per bank)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick) **Rhynchospora bracteata**

**Q. CHANNEL VEGETATION (tick one box per bank)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - industry - housing - mining (quarrying) - overtopping - siltation - afforestation - fisheries management - other - other?

Land Management: set aside - buffer strip - headland - shaded/wooded land - parkland - MoD - other?

Animals: other - snail - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: **Not of site (1/2 mends) between railway & quarry off flow with garden distant small of sample? up has great diversity of bank side plants, quite pretty**

Alders? None  Present  Extensive  Decayed Alders? None  Present  Extensive





1996 RIVER HABITAT SURVEY with 1991 mods for plant species 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 Manure 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: **6238**  
 Mid-site grid reference of network site if different from designated location:  
 Grid Reference: River: **CRIMPLE BECK**  
 Date: **11/5/1996** Time: **16:09** Surveyor name: **DUNNAN** Accreditation code: **FF27**  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph; general character? No  Yes  (tick one box)  
 (duplicate will be 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 20 Uegetated point bars 0  
 Pools 3 Vegetated point bars 0

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

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 2

Left bank (left side of channel) Right bank (right side of channel)

### PHYSICAL ATTRIBUTES (to be checked across channel profile in 1m wide transects) - one entry only

Spot check 1 in upstream	2	3	4	5	6	7	8	9	10
Material (M) (M, S, G, C, F, P, L, R, U, W, B, J, N, H, K)	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification (M)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature (F)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (S)	CO	RO	CO	GP	ST	CO	CO	CO	WV
Substrate shape (P)	IR	PL	IR	IR	IR	NA	IR	IR	NA
Flow type (F)	PP	PP	PP	PP	PP	PP	PP	PP	PP
Channel modification (M)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature (F)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Right bank (right side of channel)	TICK if functional feature								
Material (M)	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification (M)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature (F)	NO	NO	NO	NO	NO	NO	NO	NO	NO

### BANKTOP LAND USE AND VEGETATION STRUCTURES (to be assessed over a 10m wide transect)

Land use: choose one from M, L, U, W, B, J, N, H, K, C, F, P, L, R, U, W, B, J, N, H, K

LAND USE WITHIN 5m OF BANKTOP (L)	SC	BC	SC	SH	BL	BL	BL	IS	IG	IS
LEFT BANK TOP (structure within 1m)	B	S	S	U	U	S	S	U	U	U
LEFT BANK FACE (structure)	U	S	S	U	S	S	S	U	S	U
RIGHT BANK FACE (structure)	U	S	S	U	S	S	S	U	S	U
RIGHT BANK TOP (structure within 1m)	U	S	U	S	U	B	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IS	SC	IS	SC	BL	BL	BL	IS	IG	IS

### VEGETATION STATES

NONE	PLANT GENERA - 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"/>
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"/>
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"/>
Flowering 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"/>
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"/>
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 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 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. **6238**

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

### WATERWAY CHARACTERISTICS

	L	R	Artificial/modified	L	R
Vertical/embankment			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (> 45°)	E	E	Reinforced - top only		
Grade			Reinforced - toe only		
Compound			Artificial two-stage		
			Punished		
			Embanked		
			Soil bank embankments		

### TESS (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"/> None <input type="checkbox"/> Present E (2/3/5) <input type="checkbox"/>
Lowland/wooded	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging banks <input type="checkbox"/> <input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside trees <input type="checkbox"/> <input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots <input type="checkbox"/> <input type="checkbox"/>
Sand accumulations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Pollen trees <input type="checkbox"/> <input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Canoe weedy debris <input type="checkbox"/> <input type="checkbox"/>

### WATERWAY CHARACTERISTICS (continued)

	None	Present E (2/3/5)	None	Present E (2/3/5)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marginal dead water	<input type="checkbox"/>
Crocodile(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"/>
Rune(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"/>
Channel(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): **Run - ...**

1996 RIVER HABITAT SURVEY DIMENSIONS AND DIMENSIONS

### STANDARD DIMENSIONS (to be measured at first and last transect)

LEFT BANK	Backstop width (m)	1.00	RIGHT BANK	Backstop width (m)	1.00
Backstop height (m)	Water width (m)	0.75	Backstop height (m)	Water width (m)	0.75
Embankment height (m)	Water depth (m)	0.05	Embankment height (m)	Water depth (m)	0.05

If condition lower than backstop level 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)

### VEGETATION ATTRIBUTES

None  Number of Channels = 0 Trains = 0 Outlets = 1 Fords = 0  
 Footbridges = 0 Roadbridges = 1 Other = 0  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

### WATERWAY CHARACTERISTICS

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? Dam

### WATERWAY CHARACTERISTICS (continued)

None  Waterfalls > 5m high  Artificial open water  Bay  Other   
 Broad/side channels  Natural open water  Carr   
 Debris dams  Water window  Marsh   
 Leafy debris  Flea  Flush

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

### WATERWAY CHARACTERISTICS (continued)

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  (tick one box)

### WATERWAY CHARACTERISTICS (continued)

Major impacts: landfill - tipping - litter - (over) pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - woodland - abandoned land - partial - Mod - other? = **Agriculture**

Animals: otter - mink - water vole - kingfisher - dipper - grey heron - sand martin - tern - grebe/duck/dunduck

Other significant observations: **11 mung ditch > 1 a small weir with 4 vibs. rocks in pool**

### STATISTICS (tick one box)

None  Present  Extensive  Disputed  None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

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

Reference network site number: **6238**

Mid-site grid reference of network site (if different from designated location): **QA**

Grid Reference: **SE 274527** River: **CRINGLE BECK**

Date: **10/7/1996** Time: **12:45** 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)

**VALLEY FORM**

shallow vee  concave/bowl (U-shaped glacial valley - add 'U')

deep vee  symmetrical floodplain

gorge  asymmetrical floodplain

Tarned valley floor? No  Yes  IFFI - VALLEY FORM NOTES:

Riffles **5** Uevegetated point bars \_\_\_\_\_

Pools **5** Vegetated point bars \_\_\_\_\_

NO COMPLETED FORMS WEELT plus all water samples and expense claims TO  
 P. R. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

**PHYSICAL ATTRIBUTES** (to be measured across channel, 5m wide transects) - one transect

Spot check 1 is upstream, 10 downstream

Material (M) M1-M10	E A E A E A E A E A E A E A E A
Bank modification (S) M1-M10	NO YES NO YES NO YES NO YES NO YES NO YES NO YES NO
Bank feature (F) F1-F10	NO NO NO YES NO YES NO YES NO YES NO YES NO YES NO
Channel substrate (C) C1-C10	S I C C C C C C C C C C C C C C C C
Substrate shape (D) D1-D10	N A C U C U F D F D F D N A M U P O F D
Flow type (T) T1-T10	N P R P N P R P S M S U R P N P R P
Channel modification (M) M1-M10	R S R S R S R S R S R S R S R S R S
Channel feature (C) C1-C10	NO NO NO NO NO NO NO NO NO NO NO NO

**RIGHT BANK**

Material (M) M1-M10	E A E A E A E A E A E A E A E A
Bank modification (S) M1-M10	R S R S R S R S R S R S R S R S R S
Bank feature (F) F1-F10	NO NO NO YES NO YES NO YES NO YES NO YES NO YES NO

**LAND USE WITHIN 5m OF BANKTOP (L)**

LEFT BANK TOP (structure within 1m) A/B/C/D	G G G G G G B L R P T A B L T A
LEFT BANK FACE (structure) A/B/C/D	S S U S U S U U S U
RIGHT BANK FACE (structure) A/B/C/D	S S S S S U B B S S
RIGHT BANK TOP (structure within 1m) A/B/C/D	U U U U S U U U U U
LAND USE WITHIN 5m OF BANK TOP (R)	T L T L G N L S G S G S G

**NON-PLANT GENERA - list first 5**

Bryophytes/lichens					
Emergent broad-leaved herbs					
Emergent reed/bamboo/grasses					
Floating-leaved (rooted)					
Free-floating					
Amphibians					
Submerged broad-leaved					
Submerged fine/linear-leaved					
Filamentous algae					

**TE 6238 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES**

**CHANNEL DIMENSIONS** (to be measured across channel, 5m wide transects)

LEFT BANK	Banktop width (m)	<b>2.25</b>	RIGHT BANK	Banktop width (m)	<b>2.25</b>
Banktop height (m)	<b>0.6</b>	Water width (m)	<b>1.1</b>	Banktop height (m)	<b>0.5</b>
Embedded height (m)	<b>0.07</b>	Water depth (m)	<b>0.07</b>	Embedded height (m)	<b>0.07</b>

If available lower than banktop level in slope, indicate: height (m) = **0.4** width (m) = **2.0**

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

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

**CHANNEL CHARACTERISTICS**

Moist  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Rambridges = \_\_\_\_\_ Other = \_\_\_\_\_

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

**MANAGEMENT**

None  Dredging  Moving  Wood cutting   
 Enhancement  Other? State \_\_\_\_\_

**MANAGEMENT**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Briddled/side channels  Natural open water  Carr  Marsh  (Swamp)  
 Debris dams  Water meadow  Flack   
 Loose debris  Fens  Flack

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

None	Left	Right	Associated Features (tick one box per feature)
Leafless/castored	<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"/>	Fallen trees
			Coarse woody debris

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

None	Present	None	Present
Waterfall(s)	<input type="checkbox"/>	Exposed bedrock (clay)	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Rapids(s)	<input type="checkbox"/>	Uevegetated mid channel bar(s)	<input type="checkbox"/>
Riffles(s)	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	Natural island(s)	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	Uevegetated side bar(s)	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>		

Indicate predominant flow sequence (select up to three features): **SMALL RIMS/SLOPE & SLACK (U)**

**TE 6238 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES**

**CHANNEL DIMENSIONS** (to be measured across channel, 5m wide transects)

LEFT BANK	Banktop width (m)	<b>2.25</b>	RIGHT BANK	Banktop width (m)	<b>2.25</b>
Banktop height (m)	<b>0.6</b>	Water width (m)	<b>1.1</b>	Banktop height (m)	<b>0.5</b>
Embedded height (m)	<b>0.07</b>	Water depth (m)	<b>0.07</b>	Embedded height (m)	<b>0.07</b>

If available lower than banktop level in slope, indicate: height (m) = **0.4** width (m) = **2.0**

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

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

**CHANNEL CHARACTERISTICS**

Moist  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Rambridges = \_\_\_\_\_ Other = \_\_\_\_\_

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

**MANAGEMENT**

None  Dredging  Moving  Wood cutting   
 Enhancement  Other? State \_\_\_\_\_

**MANAGEMENT**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Briddled/side channels  Natural open water  Carr  Marsh  (Swamp)  
 Debris dams  Water meadow  Flack   
 Loose debris  Fens  Flack

Major impacts: bankfill - clipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry -  
 browsing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? = \_\_\_\_\_

Land Management: set aside - buffer strip (swamp) - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: otter - mink - water vole - kingfisher - dipper (very scarce) - sand martin - heron - dragonfly/damselfly

Other significant observations: **lots of algae (although spot checks were in more shady areas)**

Actions? None  Present  Extensive  (Standard Action) None  Present  Extensive

1996 RIVER HABITAT SURVEY: TEN SPOT CHUCKS 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 category  
 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: 64 River: WHARFE  
 Date: 19.5.1996 Time: 12:22 Surveyor name: DAWSON 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**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

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

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

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

Spot check 1-10 (see section IV) Row number: 1 2 3 4 5 6 7 8 9 10

**LEFT BANK** (Tick if functional)

Material NY, NO, ND, CO, CL, PE, CE, CP, PY, CLM, BL, BV  
 Bank modification(s) NY, NO, ND, CO, CL, PE, CE, CP, PY, CLM, BL, BV  
 Bank feature(s) NY, NO, ND, CO, CL, PE, CE, CP, PY, CLM, BL, BV

**RIGHT BANK** (Tick if functional)

Material SA, BE, BE, EA, BE, BE, 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 wide transect)**

Land use: choose one from BL, CL, GR, HR, SC, TR, SP, H, HL, OH, SU

LAND USE WITHIN 5m OF BANKTOP (L) BL TR BL BL TH BL BL BL BL BL  
 LEFT BANK TOP (structure within 1m) BANKSC S S S S S S S S S S  
 LEFT BANK FACE (structure) BANKSC U G S S S S S S C C  
 RIGHT BANK FACE (structure) BANKSC P S C S S S S S C C  
 RIGHT BANK TOP (structure within 1m) BANKSC S C C C C C S S C S  
 LAND USE WITHIN 5m OF BANK TOP (R) BL BL BL BL BL BL BL BL BL BL

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

NONE  PLANT GENERA - list first 5

Bryophytes/lichens       
 Emergent broad-leaved herbs       
 Emergent reeds/sedges/rushes       
 Floating-leaved (rooted)       
 Free-floating       
 Amphiphilous       
 Submerged broad-leaved       
 Submerged fine-leaved       
 Filamentous algae

SITE NO. 6258

**RIVER HABITAT SURVEY: CHANNEL VEGETATION**

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

**NATURAL/UNMODIFIED** L R **ARTIFICIAL/MODIFIED** L R

Vertical/horizontal      
 Vertical + top   Reinforced - whole bank    
 Sharp (>45°)   Reinforced - top only    
 Gentle   Reinforced - toe only    
 Composite   Artificial two-stage    
 Pooled    
 Embanked    
 Set back embankments

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

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 25%)
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 checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS**

	None	Present E (≥ 25%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overhead(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapids(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffles(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"/>

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

1996 RIVER HABITAT SURVEY: CHANNEL VEGETATION AND DIMENSIONS

**CHANNEL DIMENSIONS**

LEFT BANK: Banktop height (m) 0.6 Banktop width (m) 32.0 RIGHT BANK: Banktop height (m) 0.6  
 Embankment height (m) 0.6 Water width (m) 31.0 Embankment height (m) 0.6  
 Water depth (m) NK

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

Soil 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 = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Roadbridges = 0 Other = 0  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**VEGETATION PROPORTION AND INTERFERENCE**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other  State 4P in Veget. Rev. Interf.

**QUALITATIVE OBSERVATIONS**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Buried/silt channels  Natural open water  Can   
 Debris dams  Water meadows  Marsh   
 Leafy debris  Fens  Flood

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

**MAJOR IMPACTS** landfill - tipping - litter - sewage - pollution - drought - obstruction - mill dam - road - rail industry - bombing - mining - quarrying - overtopping - afforestation - electricity management - siting - other? = \_\_\_\_\_

**LAND MANAGEMENT** set-aside - 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 Large ms. weed by arches x Dy water, pocket flax  
to re

Abbey? Name  Present  Extensive  Disused Abbey? Name  Present  Extensive

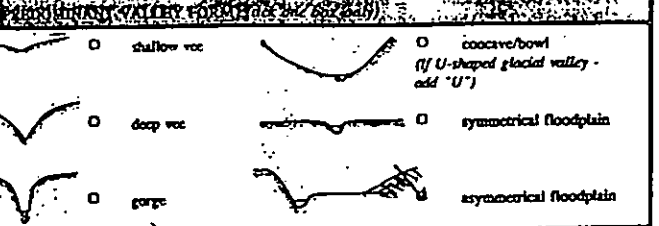
BACKGROUND MAP-BASED INFORMATION

Altitude (m) Shape (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: 6258 QA  
 Mid-site grid reference of network site (if different from designated location):

Grid Reference: SE 369467 River: WHARFE  
 Date 10.21.1996 Time 5:30 Surveyor name N. COLEVE Accreditation code P. 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 features? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)



Riffles | U unvegetated point bars  
 Pools | Vegetated point bars  
 END COMPLETED FORMS PLEASE plus all water samples and express claims TO  
 F. R. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 4BB

CHANNEL DIMENSIONS (to be checked across channel width of 1m wide transects) - one transect only

Spot check (1 in upstream 1 downstream)	1	2	3	4	5	6	7	8	9	10
Material (W, B, G, O, C, S, P, L, D, M, F, N)	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	SB	VS	NO	NO	NO	NO	NO	NO	NO
Channel substrate (W, B, G, O, C, S, P, L, D, M, F, N)	BO	BO	CO	CO	CO	SP	SP	SP	SP	SP
Substrate shape (FL, OV, EL, FC, PO, BL, Oth, ...)	FL	CUI	IR	IR	SP	OV	OV	OV	OV	OV
Flow type (FL, OV, EL, FC, PO, BL, Oth, ...)	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	RO	NO	RO	NO	NO	NO	NO	NO
Material (W, B, G, O, C, S, P, L, D, M, F, N)	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	VS	VS	VS	VS	VS	VS	VS	VS	VS

Land use: choose one from BL, CP, CL, M, SC, TK, TP, RL, WL, OW, ST

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m) BOSC	C	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure) BOSC	C	C	C	C	C	C	C	C	C	C
RIGHT BANK FACE (structure) BOSC	C	C	C	S	S	S	S	S	S	C
RIGHT BANK-TOP (structure within 1m) BOSC	S	S	S	C	C	C	C	C	C	C
LAND USE WITHIN 5m OF BANK TOP (U)	TL	TL	TL	BL	BL	BL	BL	BL	BL	BL

NONE / PLANT GENERA - Set first 5

None / Plant Genera	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"/>
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 rush/sedge/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"/>	<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 type="checkbox"/>	<input type="checkbox"/>	<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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<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"/>

ITEM NO. 6258 RIVER HABITAT SURVEY

	L	R		L	R
Broad/leaved 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/mixed-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Orchard (OR)	<input type="checkbox"/>	<input type="checkbox"/>	Tilled land (TL)	<input checked="" type="checkbox"/>	<input checked="" 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 and vegetation (TH)	<input type="checkbox"/>	<input type="checkbox"/>	Suburban/urban development (SU)	<input type="checkbox"/>	<input type="checkbox"/>

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/obscure	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input type="checkbox"/>	<input type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input type="checkbox"/>
Slope (>4°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Grade	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
			Perched	<input type="checkbox"/>	<input type="checkbox"/>
			Embanked	<input type="checkbox"/>	<input type="checkbox"/>
			Set-back embankments	<input type="checkbox"/>	<input type="checkbox"/>

TYRES (tick one box per bank) ASSOCIATED FEATURES (tick one box per feature)

None	Left	Right	None	Percent E (2-11%)
<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"/>	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"/>	Fallen trees	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>

None	Percent E (2-11%)	None	Percent E (2-11%)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS (to be checked across channel width of 1m wide transects) - one transect only

LEFT BANK	Banktop width (m)	32.4	RIGHT BANK	Banktop width (m)	37.5
Banktop height (m)	18.5	Water width (m)	18.2	Banktop height (m)	19.1
Embanked height (m)	18.2	Water depth (m)	0.28	Embanked height (m)	19.1

If gradient lower than banktop break in slope, indicate: height (m) = 3.75 (32.4m - 32.0)  
 Bed material at site in: consolidated (compact)  unconsolidated (loose)  unknown

Location of measurement in: riffle  run or glide  other  (tick one box)  
 None  Number of Culverts = Footbridges = Weirs = Outfalls = Ponds =  
 Roadbridges = Other =  
 Is water impounded by weirs? No  Yes, < 33% of site  > 33% of site

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

ARTIFICIAL IMPROVEMENTS

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"/>	Cut <input type="checkbox"/>	
Braked/side channels <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
Debris dams <input type="checkbox"/>	Pan <input type="checkbox"/>	Flank <input type="checkbox"/>	
Leafy debris <input checked="" type="checkbox"/>			

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

None  Great Bogwood  Humulus lupulus  Ilex aquifolium  Other? *Methia Rhododendron brachy*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - cell industry -  
 burning - mining - quarrying - overgrazing - afforestation - fisheries management - other? =

Land Management: at site - buffer strip - broadland - checkered land - purified - MoD - other? =  
 Animals: *Trot (Brown)* other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly *damselfly*

Other significant observations: Large scale river, with BL. *...tolerance ss.*  
*...Is this site*  
 V. Steep bank LWS.

Address? None  Present  Extensive   
 Circumstances? None  Present  Extensive

**1996 RIVER HABITAT SURVEY SPEN RIVER**

**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: 6295  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SE228 209 River: SPEN  
 Date: 27/6/1996 Time: 13-45 Surveyor name: LYNNE SPEIGHT

Accredited Surveyor? No  Yes  If yes, state number: AS3

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

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

Duplicate photographs: general character? 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

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

Rifles: 6 Unvegetated point bars: 0  
 Pools: 0 Vegetated point bars: 0

SEND COMPLETED FORM TO BUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BERTH 48B

**1996 RIVER HABITAT SURVEY SPEN RIVER SPOT CHECKS**

Spot check 1 is at upstream end  downstream end  of site (tick one box)

**PHYSICAL ATTRIBUTES (to be assessed across channel, within a 100m wide transect)**

one entry only

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>	EA	ER	EA	CL	CL	CC	EA	BR	BO	CA
Bank modification(s)	RS	NO	NO	NO	NO	RI	NO	RL	NO	NO
Bank feature(s)	NO	EC	EC	EC	EC	NO	EC	NO	NO	NO
<b>CHANNEL</b>	CO	CO	CO	CO	NY	NY	NY	PO	CO	NY
Flow type	UW	UW	SM	SM	SM	SM	SM	UW	UW	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	RS	NO	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>	EA	EA	EA	EA	EA	EA	EA	EA	EA	QA
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

**LAND USE AND VEGETATION STRUCTURE**

Land use: choose one from BL, CF, OR, NL, SC, RL, RP, N, IL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1G	1G	1G	1G	1G	1G	1G	BL	BL	TH
LEFT BANK-TOP (structure within 1m) SU/SC	B	U	U	U	U	S	S	S	S	U
LEFT BANK FACE (structure) SU/SC	S	U	U	U	U	S	S	B	B	S
RIGHT BANK FACE (structure) SU/SC	S	S	S	S	S	S	S	S	S	B
RIGHT BANK-TOP (structure within 1m) SU/SC	C	C	C	C	C	C	C	S	C	B
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	SU	SU	SU	SU

**CHANNEL VEGETATION (assess only if channel is not too shallow to wade)**

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"/>
Liverworts/mosses/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 reeds/sedges/cattails	<input type="checkbox"/>	<input type="checkbox"/>	<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"/>	<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"/>
Phanerogam 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"/>

Use and 'catch-all' columns for types not occurring in spot checks as well as overall assessment over 500m (use B or C)

**1996 RIVER HABITAT SURVEY SPEN RIVER**

**LAND USE WITHIN 5m OF BANKTOP (tick one box per bank)**

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Rough pasture (RP)	<input type="checkbox"/>	<input type="checkbox"/>
Coniferous plantation (CF)	<input type="checkbox"/>	<input type="checkbox"/>	Improved/semi-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 type="checkbox"/>
Scrub (SC)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Open water (OW)	<input type="checkbox"/>	<input type="checkbox"/>
Tall herbs - rural vegetation (TH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Suburban/urban development (SU)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**BANK PROFILES (tick one box per bank)**

	L	R		L	R
Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical/undercut	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input checked="" type="checkbox"/>
50% (1-45%)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gentle	<input type="checkbox"/>	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
Composite	<input type="checkbox"/>	<input type="checkbox"/>	Poached	<input type="checkbox"/>	<input type="checkbox"/>
			Embanked	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			Set-back embankments	<input type="checkbox"/>	<input type="checkbox"/>

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

	Left	Right	None	Present E (2.33%)
None	<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 checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

	None	Present E (2.33%)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**STATE OF CHANNEL FEATURE**

	None	Present E (2.33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**MARGINAL FEATURES**

	None	Present E (2.33%)
Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed boulders	<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 type="checkbox"/>	<input checked="" type="checkbox"/>
Measure island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unvegetated 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): RIFLE, GLIDE

**1996 RIVER HABITAT SURVEY SPEN RIVER CHANNEL DIMENSIONS AND IN-TOPINGS**

	LEFT BANK	RIGHT BANK
Banktop width (m)	10	
Banktop height (m)	2.5	6
Water width (m)		2.5
Water depth (m)	0.5	
Embanked height (m)		4

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)

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

None  Number of Culverts = 2 Weirs = 0 Outfalls = 2 Ponds = 0  
 Floodbridges = 2 Roadbridges = 0 Other = OVERFLOW FROM A POND

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  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) .....

Residual/side channels  Natural open water  Pools at falls  Carr   
 Debris dams  Water meadow  2.5m  Marsh   
 Lumpy debris  Fan  Flash

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

**NOTABLE PLANT SPECIES (tick one box per species)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? State: .....

**OVERALL APPRAISAL OF STRUCTURE**

Major impacts: (landfill) tipping (lime) sewage pollution drought - abstraction - mill - dam - road - rail - industry - boat - mining - quarrying - overstepping - alteration - fisheries management - silt

Land Management: us - aside - buffer strip - headland - abandoned land (barland) MoD

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

Other significant observations: Photos taken at sites 2, 6, 8, 10 - site 6 was an outfall.

**ALDERS (tick appropriate box)**

Alders? None  Present  Extensive  Disused Alders? None  Present  Extensive

**BACKGROUND MAP-BASIS INFORMATION**

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

**FIELD SURVEY DETAILS**

Reference network site number 6295  
 Mid-site grid reference of network site if different from designated location: QA

Grid Reference: SE 228209 River: SPEN BROOK  
 Date: 9.1.1996 Time: 16:35 Surveyor name: GRIEVE Accreditation code: 0512

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)  
 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**

Riffles 7 Unvegetated point bars \_\_\_\_\_  
 Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

NO COMPLETED FORMS WEELE! plus all water samples and expenses claims TO  
 P.R. DAWSON, IFE, LYER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

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

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

Spot check 1 to 10 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)	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	PSA	FP	NV	FP	NV	CO	CO	FP	FP
Substrate slope	FD	TR	NA	FO	NA	TR	NA	FO	CU	TR
Pool type	LN	LN	SM	LN	SM	SM	LN	LN	SM	LN
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	TR	TR	TR	TR	TR	TR	NO	TR	TR	TR
RIGHT 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 feature(s)	NO	NO	VS	NO	NO	SC	SC	NO	NO	NO

**7-BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed from 10m wide transect)**

Land use: choose one from R, C, O, N, H, B, T, P, G, U, W, D, S

LAND USE WITHIN 5m OF BANKTOP (U)	T1	T2	T3	T4	T5	T6	T7	T8	T9	SC
LEFT BANK-TOP (structure width 1m) BWSIC	U	U	U	U	S	S	S	S	S	S
LEFT BANK FACE (structure) BWSIC	S	S	S	S	S	S	S	S	B	S
RIGHT BANK FACE (structure) BWSIC	S	S	S	S	S	S	S	B	U	U
RIGHT BANK-TOP (structure width 1m) BWSIC	U	S	S	U	U	U	U	S	S	U
LAND USE WITHIN 5m OF BANK TOP (U)	T1	T2	T3	T4	T5	T6	T7	T8	T9	SC

**VEGETATION**

NONE / PLANT GENERA - 5m line S

Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibians										
Submerged broad-leaved										
Submerged fan-linear-leaved										
Filamentous algae	E	E	E	N	N	S	E	E	E	E

NO. 6295 1996 RIVER HABITAT SURVEY: 500m SWEEP SURVEY SPEN BROOK

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

LEFT BANK	Banktop width (m)	<u>7.2</u>	RIGHT BANK	Banktop width (m)	<u>7.0</u>
Banktop height (m)	Water width (m)	<u>7.0</u>	Banktop height (m)	Water depth (m)	<u>0.4</u>
Embarked height (m)	Water depth (m)	<u>0.4</u>	Embarked height (m)		

If waterline lower than banktop break in slope, indicate: height (m) =  $1.45 \times \text{width (m)} = \underline{7.0}$

Bed material at site is: coarse/bedrock (compact)  unconsolidated (loose)  unknown

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

**III CHANNEL FEATURES**

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

**IV CHANNEL VEGETATION**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other?  \_\_\_\_\_

**VEGETATION OF SPECIAL INTEREST (tick one box per feature)**

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

**VEGETATION INFLUENCES**

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

**VEGETATION SPECIES**

None  Giant Hogweed  (Hemlock)  Japanese Knotweed  Other? (tick) Rhododendron bracken

**MAJOR IMPACTS**

landfill  quarry  sewage  dredging  abstraction  dam  sea  road  rail  industry  bombing  mining  quarrying  overgrazing  afforestation  fisheries management  other  \_\_\_\_\_

Land Management: set aside  buffer strip  boundary  (wooded bank)  MoD  other? \_\_\_\_\_

Animals: other  mink  water vole  kingfisher  dipper  grey heron  sand martin  heron  dragonfly/damselfly

Other significant observations: Shallow banks, wandering - lots of trash.

**IC PREDOMINANT FLOW SEQUENCE (select up to three features):** DOWN-DRIFT FLISE

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 3 of 4

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

LEFT BANK	Banktop width (m)	<u>7.2</u>	RIGHT BANK	Banktop width (m)	<u>7.0</u>
Banktop height (m)	Water width (m)	<u>7.0</u>	Banktop height (m)	Water depth (m)	<u>0.4</u>
Embarked height (m)	Water depth (m)	<u>0.4</u>	Embarked height (m)		

If waterline lower than banktop break in slope, indicate: height (m) =  $1.45 \times \text{width (m)} = \underline{7.0}$

Bed material at site is: coarse/bedrock (compact)  unconsolidated (loose)  unknown

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

**III CHANNEL FEATURES**

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

**IV CHANNEL VEGETATION**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other?  \_\_\_\_\_

**VEGETATION OF SPECIAL INTEREST (tick one box per feature)**

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

**VEGETATION INFLUENCES**

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

**VEGETATION SPECIES**

None  Giant Hogweed  (Hemlock)  Japanese Knotweed  Other? (tick) Rhododendron bracken

**MAJOR IMPACTS**

landfill  quarry  sewage  dredging  abstraction  dam  sea  road  rail  industry  bombing  mining  quarrying  overgrazing  afforestation  fisheries management  other  \_\_\_\_\_

Land Management: set aside  buffer strip  boundary  (wooded bank)  MoD  other? \_\_\_\_\_

Animals: other  mink  water vole  kingfisher  dipper  grey heron  sand martin  heron  dragonfly/damselfly

Other significant observations: Shallow banks, wandering - lots of trash.

**IC PREDOMINANT FLOW SEQUENCE (select up to three features):** DOWN-DRIFT FLISE

**RIVER HABITAT SURVEY**

See check 1 is at upstream end  downstream end  of site (tick one box)

**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

**FIELD SURVEY DETAILS**

Reference network site number: 6351  
 Add the grid reference of network site if different from designated location:

Grid Reference: GJ 740911 River: CAJLEY BROOK  
 Date: 24/06/1996 Time: 10.30 Surveyor name: TIM RICKERING  
 Accredited Surveyor? No  Yes  If yes, state number: 01415  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bed of river visible? No  partially  entirely  (tick one box)  
 Duplicate photographs, general character? No  Yes  (tick one box) (1+2+5)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**PREDOMINANT CHANNEL FORM (tick one box only)**

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

Terraced valley floor? No  Yes

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

Riffles: 1 Unvegetated point bars: 0  
 Pools: 1 Vegetated point bars: 0

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARHAM, BH10 6BB

**RIVER HABITAT SURVEY - SPOT CHECKS**

See check 1 is at upstream end  downstream end  of site (tick one box)

**GENERAL INFORMATION**

Material: CA CA CA SP CA CA CA CC CC  
 Bank modification(s): RS RS RS RS RS RS RS RS  
 Bank feature(s): NO NO NO NO NO NO NO NO

**CHANNEL DIMENSIONS**

Channel substrate: S1 S1 S1 S1 S1 S1 S1 S1 S1 S1  
 Flow type: SM SM SM SM SM SM SM SM SM SM  
 Channel modification(s): RS RS RS RS RS RS RS RS  
 Channel feature(s): NO NO NO NO NO NO NO NO

**VEGETATION**

Material: NV NV NV NV NV NV NV NV NV NV  
 Bank modification(s): RS RS RS RS RS RS RS RS  
 Bank feature(s): NO NO NO NO NO NO NO NO

**LAND USE WITHIN 5m OF BANKTOP (L)**

TH	TL	TR	TL	TR	TL	TR	TL	TR
S	U	U	S	U	U	U	U	U
S	U	U	S	U	U	U	U	U
U	U	U	U	S	U	U	U	U
U	U	U	U	S	S	S	U	U
TH	TH	TH	TH	TH	TH	TH	TH	TH

**CHANNEL VEGETATION SPOTS (tick one box only)**

NONE   
 Liverwort/mosses/tubers   
 Emergent broad-leaved herbs   
 Emergent reeds/sedges/reeds   
 Floating-leaved (rooted)   
 Free-floating   
 Amphibious   
 Submerged broad-leaved   
 Submerged fine/linear-leaved   
 Filamentous algae

Use and 'tick-off' columns for types not occurring in spot checks as well as overall assessment over 50m (sum & or %)

**RIVER HABITAT SURVEY - CHANNEL VEGETATION**

Site No. 120101

**LAND USE WITHIN 5m OF BANKTOP (L & R)**

	L	R		L	R
Broadleaf/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/unimproved grass (IG)	<input checked="" type="checkbox"/>	
Orchard (OU)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (e.g. bog, marsh) (W)		
Sarai (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Open water (OW)		
Turf heath - non vegetation (TH)	E	E	Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

**BANK PROFILES**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undrained	<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"/>
Quays			Reinforced - top only		
Composite			Reinforced - toe only		
			Artificial two-stage		
			Poached		
			Embanked		
			Soil bank embankments		

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

None	Left	Right	None	Present B (>1%)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging branches	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bankside roots	<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"/>	Floating trees	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>

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

None	Present B (>1%)	None	Present B (>1%)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (tick up to three features): G1, B6

**RIVER HABITAT SURVEY - DIMENSIONS AND DIFFERENCES**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	SM	RIGHT BANK	
Banktop height (m)	1.5	SM	Banktop height (m)	1.5
Embanked height (m)		0.25	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)

**ARTIFICIAL FEATURES**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 1 Ponds = 0  
 Footbridges = 1 Roadbridges = 1 Other = 0  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**EVIDENCE OF RIVER MANAGEMENT (tick one box only)**

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  Pits  Flush

**IS 33% OR MORE OF THE CHANNEL CHOKED WITH VEGETATION?** NO  YES

**NOVEL PLANT SPECIES**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? State: /

**MAJOR IMPACTS** (landfill) tipping - litter (sewage) pollution - droughts - abstraction - mill - dam - road - rail - industry - house - mining - quarrying - overgrazing - afforestation - fisheries management - affog

Least Management: set aside - buffer strip - headland - abandoned land - parkland - MoD  
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: HEAVILY RESILIENT STREAM THROUGH LANDFILL SITE RECEIVING DISCHARGE FROM LARGE STW.

**SPERMATOPHYTES**

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: 6366  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 207990 River: WHITE BECK  
 Date: 11/6/1996 Time: 12:15 Surveyor name: JAN HALL 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)  
 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 2 Unvegetated point bars   
 Pools 0 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO:  
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, BH20 6BE

**1996 RIVER HABITAT SURVEY - UN SPOT CHECK**

TALLY (use IFE for - Riffles) Pools Unveg. 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 <u>WV,NE,NO,CO,GR,SL,PL,CL,SP,WP,GA,BA,DU,FW</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NE,NO,SL,PL,CL,SP,WP,GA,BA,DU,FW</u>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <u>WV,NE,NO,CO,GR,SL,PL,CL,SP,WP,GA,BA,DU,FW</u>	NO	SB	NO	NO	NO	NO	NO	NO	NO	VS
Channel substrate <u>WV,NE,NO,CO,GR,SL,PL,CL,SP,WP,GA,BA,DU,FW</u>	SA	SA	GP	GP	GP	GP	SA	GP	SA	GP
Substrate shape <u>FL,OV,EL,SP,CU,PO,SL,CH,SM,CH,SM</u>	/	/	NA	NA	NA	NA	/	NA	/	NA
Flow type <u>FF,CH,SM,UN,OF,UF,UF,UF,UF,UF,UF,UF</u>	SM	SM	SM	RP	SM	SM	SM	RP	SM	RP
Channel modification(s) <u>NE,NO,CO,GR,SL,PL,CL,SP,WP,GA,BA,DU,FW</u>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) <u>WV,NE,NO,CO,GR,SL,PL,CL,SP,WP,GA,BA,DU,FW</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK FACE (structure)	SM	SM	SM	RP	SM	SM	SM	RP	SM	RP
Material <u>WV,NE,NO,CO,GR,SL,PL,CL,SP,WP,GA,BA,DU,FW</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NE,NO,SL,PL,CL,SP,WP,GA,BA,DU,FW</u>	NO	NO	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <u>WV,NE,NO,CO,GR,SL,PL,CL,SP,WP,GA,BA,DU,FW</u>	NO	NO	VS	NO	NO	VS	NO	NO	NO	NO

**D. CHANNEL BED AND VEGETATION CHARACTERISTICS**

Land use: choose one from SL, CP, OR, HT, SC, TR, RP, IG, TL, WL, OW, BU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) BASIC	S	S	S	S	C	S	U	S	S	U
LEFT BANK FACE (structure) BASIC	S	S	S	C	C	S	S	C	C	S
RIGHT BANK FACE (structure) BASIC	S	C	S	C	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BASIC	C	S	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	TL

**E. CHANNEL BED AND VEGETATION CHARACTERISTICS (cont.)**

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

SITE NO. 6366

**LAND USE WITHIN 5m OF BANKTOP**

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

**NATURAL/UNMODIFIED**

	L	R	Artificial/modified	L	R
Vertical/vertical			Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Grass			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 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 checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scattered continuous	<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 checked="" type="checkbox"/>

**WATERFALLS**

	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"/>
Chutes(s)	<input checked="" 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 checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Runs(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boll(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Obd(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 type="checkbox"/>	<input type="checkbox"/>

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

**1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES**

**CHANNEL DIMENSIONS** (measurements in m unless stated otherwise)

LEFT BANK	Banktop width (m)	<u>7.75</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>2.75</u>	Banktop height (m)	<u>1.5</u>
Embanked height (m)	Water depth (m)	<u>0.15</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)

**VEGETATION CHARACTERISTICS**

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

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

**BRIDGE OR OBSTACLE CHARACTERISTICS**

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

**WATERFALLS/SCALING INTEREST**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bridd/side 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

**OTHER SIGNIFICANT FEATURES**

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

**OVERALL CHANNEL CHARACTERISTICS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overflooding - 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 - mead martin - heron - dragonflies/damselflies

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

Alders? None  Present  Extensive  Decayed Alders? None  Present  Extensive

1976 RIVER HABITAT SURVEY SPOT CHECKS Page 2 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10) Platform category Navigation?

Solid geology code Drift geology code

Distance from source (km) Significant tributary? Water Quality Class

Height of source (m)

Reference network site number: 6366

Mid-site grid reference of network site if different from designated location: QA

Grid Reference: TF 207990 River: WAITHE BECK

Date: 25/1/1996 Time: 12:00 Surveyor name: P. EVERECCREDENTIATION CODE: P. 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)

Channel planform: 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 3 Unvegetated point bars

Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses direct TO P.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAKEHAM, BR20 6BS

TABLE 1 (see 200 for Reflex) Pools Slag side bars VEG point bars

II. PHYSICAL ATTRIBUTES (to be checked in order channel width 1m wide transects) - one entry only

Type check 1 in upstream 2 in downstream

Material (W, M, S, G, O, D, L, P, C, F, B, U, R, L, S, P)	1	2	3	4	5	6	7	8	9	10
Bank modification(s)	SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	SA	SP	SP	SI	GP	RP	SP	SI	SI	SI
Substrate slope	NA	OV	PO	NA	PO	PO	NA	NA	NA	NA
Flow type	SM	RP	WS	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 AND VEGETATION (to be checked in order)

Land use: choose one from SL, CP, OR, SR, SC, TR, SF, GL, RL, OR, BU

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP (structure within 1m) B03C	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) B03C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) B03C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) B03C	S	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

NONE / PLANT GENERA - list first 5

Byssobryozoa	<input checked="" type="checkbox"/>									
Emergent broad-leaved herbs (Sp. lotium)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<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/rushes (Spergularia)	<input checked="" type="checkbox"/>									
Flowering-leaved (rooted)										
Free-floating										
Amphibium		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<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										
Submerged fascicular-leaved										
Filamentous algae										

NO. 6366 1976 RIVER HABITAT SURVEY SPOT CHECKS

LAND USE WITHIN 5m OF BANKTOP (L)

Brook/mixed woodland (BL)										
Tree plantation (PT)										
ard (OR)										
Moorland/heath (MZ)										
Scrub (SC)										
herb and vegetation (H)										

LAND USE WITHIN 5m OF BANKTOP (R)

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/unmodified

Vertical meadows										
ard + toe										
(> 4.5)										
Coasts										
Composite										

Artificial/modified

Reinforced - whole bank										
Reinforced - top only										
Reinforced - toe only										
Artificial two-stage										
Paired										
Embedded										
Set-back embankment										

TREES (tick one box per bank)

None										
Inclined/overhanging										
Regularly spaced, single										
Occasional clumps										
Semi-cohesive										
Cautious										

ASSOCIATED FEATURES (tick one box per feature)

Shading of channel										
Overhanging boughs										
Exposed herbicide roots										
Underwater tree roots										
Pileon trees										
Coarse woody debris										

Waterbirds (tick one box per bank)

None										
Cuckoo(s)										
Reed(s)										
Riffle(s)										
Run(s)										
Flow(s)										
Old(s)										
Pool(s)										

Marginal deadwater

None										
Exposed bedrock (C.L.V)										
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): SLIDE (+ RF)

1976 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES

EXCHANGE DIMENSIONS

LEFT BANK	Banktop width (m)	5.8	RIGHT BANK	Banktop width (m)	5.8
Banktop height (m)	1.15	Water width (m)	3.3	Banktop height (m)	1.15
Embankment height (m)		Water depth (m)	0.06	Embankment height (m)	

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

Bed material at site is: unconsolidated (scrap)  consolidated (stone)  banktop

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

None  Number of Culverts = Footbridges = Weirs = Outfalls = Piers =

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

WIDENING/REINFORCEMENT/STABILIZATION (S/G)

None  Dredging  Moving  Wood-cutting

Embankment  Other 1 Stone

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) .....

Bridle/side channels  Natural open water  Carr

Debris dams  Water meadow  Marsh

Leafy debris  Pile  Flank

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

None  Great Hogweed  Filipendula vulgaris  Sparganium  Other? Nettle Rhododendron bractea

Major impacts: landfill - tipping - silt - sewage - pollution - drought - abstraction - spill - dam - road - mill - factory - housing - mining - quarrying - overtopping - afforestation - fisheries management - silted - other? =

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

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - moorhen - heron - dragonfly/damselfly

Other significant observations: Straight, uniform RS channel.

Alters? None  Present  Extensive (L) Disturbed Alters? None  Present  Extensive



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 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: 6376  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SJ676807 River: Alley Brook  
 Date: 23/6/1996 Time: 15.00 Surveyor name: NAURA  
 Accredited Surveyor? No  Yes  If yes, state number: P.F.5  
 Adverse conditions affecting survey? No  Yes  If yes, state:  
 Bod of river visible? No  partially  entirely  (tick one box)  
 Duplicate photographs: general character? 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

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

Rifles 0 Unvegetated point bars 0  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARHAM, BH20 4BB

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

Spot check 1 to 10 upstream and 10 downstream and 10 of site (tick one box)

**E. PHYSICAL ATTRIBUTES (to be assessed across channel width's 1m wide sections)**

Material: EA EA EA CL EA WP CA LA E: EA  
 Bank modification(s) RS RS RS RS NO RI NO NO RS RS  
 Bank feature(s) NO NO NO NO NO NO NO NO NO NO  
 Channel substrate: SA SP GP SA SA SA SA SA GP SA  
 Flow type: SM SM SM SM SM SM SM SM SM  
 Channel modification(s) RS RS RS RS RS RS RS RS RS  
 Channel feature(s) NO NO NO NO NO NO NO NO NO

**F. CHANNEL TOP AND VEGETATION STRUCTURE (to be assessed over 20m wide sections)**

Land use: choose one from BL, CL, CR, GR, H, K, TH, M, N, O, T, U, V, W, X, Y, Z

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	IG	BL	IG	IG	IG
LEFT BANK-TOP (structure within 1m) BASIC	S	S	C	S	S	U	U	U	U	U
LEFT BANK FACE (structure) BASIC	U	S	S	S	U	U	U	U	U	U
RIGHT BANK-TOP (structure) BASIC	U	S	U	U	U	U	S	U	U	U
RIGHT BANK FACE (structure) BASIC	S	S	U	B	U	U	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (U)	TH	BL	TH	IG	BL	IG	BL	IG	IG	IG

**G. CHANNEL VEGETATION TYPES (assessed over 20m wide sections)**

NONE										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent rush/sedge/grasses										
Flowering-leaved (rooted)										
Free-floating										
Algae										
Submerged broad-leaved										
Submerged fine-leaved										
Phanerogam algae										

Use the "tick-all" column for types not occurring in spot checks as well as overall assessment over 500m (see E or F)

1996 RIVER HABITAT SURVEY: SPOOD SWEEP-UP Page 3 of 4

**H. LAND USE NOTED (5m OF BANKTOP)**

	L	R		L	R
Brown/deciduous woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/well-improved grass (IG)	E	
Orchard (OA)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SQ)			Open water (OW)		
Tidal berms - mud vegetation (TB)			Suburban/urban development (SU)		

**I. BANK PROFILES (tick one box)**

Natural/unmodified	L	R	Artificial/unmodified	L	R
Vertical/barecut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45)			Reinforced - toe only		
Gully			Reinforced - toe only		
Compound			Artificial two-stage		
			Pneched		
			Embanked		
			Set-back embankments		

**J. EXTENT OF TREES AND ASSOCIATED FEATURES (tick one box per feature)**

None	Left	Right	None	Percent E (2/118)
Isolated/scattered			Shading of channel	
Regularly spaced, slight			Overhanging boughs	
Occasional clumps			Exposed bankside roots	
Scrub continuous			Underwater tree roots	
Continuous			Fallen trees	
			Obvious woody debris	

**K. EXTENT OF CHANNEL FEATURES (tick one box per feature)**

None	Percent E	None	Percent E (2/118)
Waterfall(s)		Marginal deadwater	
Cascade(s)		Exposed bedrock	
Rapid(s)		Exposed boulders	
Riffle(s)		Unvegetated mid-channel bar(s)	
Roc(s)		Vegetated mid-channel bar(s)	
Bank(s)		Mudbars (bank(s))	
Grill(s)		Unvegetated side bar(s)	
Pool(s)		Vegetated side bar(s)	

Indicate predominant flow sequence (select up to three features): 6L1DE

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

**L. CHANNEL DIMENSIONS (to be measured at one site for a straight uniform section, preferably across 100%)**

LEFT BANK	Banktop width (m)	4	RIGHT BANK	
Banktop height (m)	Water width (m)	2.75	Banktop height (m)	2
Embankment height (m)	Water depth (m)	0.15	Embankment height (m)	

If banktop lower than banktop break in slope, indicate: height (m) = 1 width (m) = 3.5

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

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

**M. ARTIFICIAL FEATURES (tick one box)**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 1 Ponds = 0  
 Footbridges = 1 Roadbridges = 0 Other = 0  
 Is water impounded by weirs? No  Yes < 33% of site  > 33% of site

**N. EVIDENCE OF RECENT MANAGEMENT (tick one box)**

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

**O. FEATURES OF SPECIAL INTEREST (tick one box)**

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

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

**P. NOTABLE NUISANCE PLANT SPECIES (tick one box)**

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

**Q. OVERALL CHARACTERISTICS (tick one box)**

Major impacts: landfill - debris - litter - sewage  abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - siltation - fisheries management  other \_\_\_\_\_

Land Management: set-back - buffer strip - banked - abandoned land  MoD

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Shallow water - deep pool channel - low water level - county estate - old mill - and its outflow - end of site

**R. VALDES (tick appropriate box)**

Abundant? None  Present  Extensive  Diminished (state) 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: **6394**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: **9 GREAT CR**  
 Date: **24/5/1996** 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. DOMINANT VALLEY FORM (tick one box only)**

1 shallow vee 2 concave/bowl (if U-shaped glacial valley - add 'U')   
 3 deep vee 4 symmetrical floodplain   
 5 gorge 6 asymmetrical floodplain

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

**D. NUMBER OF RIFFLES, POOLS**

Riffles | Unvegetated point bars  
 Pools | Vegetated point bars

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

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

Spot check 1 m upstream	downstream	1	2	3	4	5	6	7	8	9	10
Material (M) (M1-M10)		EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification (B)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature (F)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (S)		S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Substrate shape (SH)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type (FT)		SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification (M2)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature (F2)		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 M, CP, CH, NH, SC, TH, AP, AS, R, WL, DW, SI

LAND USE WITHIN 5m OF BANKTOP (L)	EG	SG	YG	BG	YG	YG	YG	YG	YG	YG	YG
LEFT BANK-TOP (structure within 1m) (AUSIC)	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) (AUSIC)	S	S	U	U	S	S	U	U	U	U	U
RIGHT BANK FACE (structure) (AUSIC)	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) (AUSIC)	U	V	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	U

**PLANT COMMUNITY (tick one box)**

NONE | PLANT GENERA - list first 5

Bryophytes/lichens											
Emergent broad leaved herbs											
Emergent reeds/sedges/rushes											
Phloating sea-weed (revived)											
Free-floating											
Adaptogens											
Submerged broad leaved											
Submerged fine-leaved											
Filamentous algae											

**SITE NO. 6394**

**LANDING POINTS AND BANKS**

	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 herb sward vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/UNMODIFIED** | **ARTIFICIAL/MODIFIED**

	L	R		L	R
Vertical/retained	2	2	Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Genie			Reinforced - toe only		
Composite			Artificial two-stage		
			Precast		
			Embedded		
			Self-lock embankment		

**TRIGS (tick one box per bank)** | **ASSOCIATED FEATURES (tick one box per feature)**

None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	None	<input type="checkbox"/>	Percent E (2-11%)	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging banks	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Some continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**WATERFALLS AND ASSOCIATED FEATURES**

Waterfall(s)	None	<input checked="" type="checkbox"/>	Percent E (2-11%)	<input type="checkbox"/>
Concave(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Run(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"/>
Old(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Pool(s)	<input 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):

**1996 RIVER HABITAT SURVEY - DIMENSIONS AND DIMENSIONS**

LEFT BANK	Banktop width (m)	12.00	RIGHT BANK	Banktop width (m)	12.00
Banktop height (m)	2.10	Water width (m)	6.00	Banktop height (m)	2.10
Embedded height (m)	1.5	Water depth (m)	0.15	Embedded height (m)	2.0

If width is 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 ATTRIBUTES**

None  Number of Oververts =  Weirs =  Outfalls =  Fords =   
 Footbridges =  Roundabouts =  Other =

Is water impounded by weirs? No  Yes, < 11% of site  > 11% of site

**RECORD OF SPECIAL INTEREST**

None  Overlapping  Moving  Wood-cutting   
 Embankment  Other? Static

**RECORD OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Bricked/ude channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Loose debris  Pile  Flush

Is 11% or more of the channel checked with vegetation? NO  YES

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 - overlandspilling - afforestation - fisheries management - silting - other? =

**LAND MANAGEMENTS**

set-back - buffer strip - banked - streambed lead - putland - MoD - other? =

**ANIMALS**

other - mist - water vole - long-finger - dipper - grey wagtail - wood martin (none) dragonflies/damselflies

Other significant observations:  
 Initial site extremely well-maintained (embanked).  
 Signs of fairly recent dredging on banks, open water  
 & 2 small channels on either side of river.

Abbers' Name  Precise  Extensive  Damaged Abbers' Name  Precise  Extensive

Very little  
 lots in good view,  
 including and probably  
 in the embankment area.





**A BACKGROUND MAP-BASED INFORMATION**

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

Reference network site number: **6423**  
 Mid-site grid reference of network site if differs from designated location: **QA**

Grid Reference: **TF 252713** River: **BAIN.**  
 Date: **11/7/1996** Time: **14:00** Surveyor name: **N. COVE** 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)

**G CHANNEL 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 **2**  Vegetated point bars

SEND COMPLETED FORMS WEZEL plus all water samples and expenses claims TO  
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 4EE

**B. PHYSICAL ATTRIBUTES** (to be obtained across channel 5m wide transects) - see page 2 of 4

Species (see list for - Riffles) Points 1 2 3 4 5 6 7 8 9 10

Material **W, M, S, G, L, P, C, B, F, D, E, V, W, C, A, L, P, M** EA EA EA EA EA EA EA EA EA EA  
 Bank modification(s) **W, M, S, G, L, P, C, B, F, D, E, V, W, C, A, L, P, M** RS RS RS RS RS RS RS RS RS RS  
 Bank feature(s) **W, M, S, G, L, P, C, B, F, D, E, V, W, C, A, L, P, M** NO NO NO NO NO NO NO NO NO NO

Channel substrate **W, M, S, G, L, P, C, B, F, D, E, V, W, C, A, L, P, M** S1 S1 S1 S1 S1 S1 S1 S1 S1 S1  
 Substrate shape **R, O, F, E, D, C, U, P, O, R, O, S, C, H, A, N, N** NA NA NA NA NA NA NA NA NA NA  
 Flow type **R, O, F, E, D, C, U, P, O, R, O, S, C, H, A, N, N** NP NP NP NP NP NP NP NP NP NP  
 Channel modification(s) **W, M, S, G, L, P, C, B, F, D, E, V, W, C, A, L, P, M** RS RS RS RS RS RS RS RS RS RS  
 Channel feature(s) **W, M, S, G, L, P, C, B, F, D, E, V, W, C, A, L, P, M** NO NO NO NO NO NO NO NO NO NO

**CHANNEL CHARACTERISTICS AND SUBSTRATE STRUCTURE**

Land use: choose one from **EL, CP, OL, NL, SC, TR, SP, RL, SL, GR, OV, ST**

LAND USE WITHIN 5m OF BANKTOP (L) **TH TH IG IG IG SU IG SU SU TL**

LEFT BANK-TOP (structure within 1m) **WOSC** U U U U U U U U U U  
 LEFT BANK FACE (structure) **WOSC** U S U S U S U S U S  
 RIGHT BANK FACE (structure) **WOSC** U U S S S U S B U S  
 RIGHT BANK-TOP (structure within 1m) **WOSC** U U U S U U U B U U  
 LAND USE WITHIN 5m OF BANK TOP (R) **TH TH TH TH IG IG IG SU TL TL**

**PLANT GENERA - See list 5**

NONE  Bryophytes/lichens   
 Emergent broad-leaved herbs  *Sparganium, Typha, Sagittaria, Najas*  
 Emergent reed/magwort/brake  *Phragmites, Carex, Sium*  
 Floating leaved (rooted)  *Sparganium*  
 Free-floating   
 Amphibium  *Utricularia, Najas*  
 Submerged broad-leaved   
 Submersive fine-leaved  *Elodea, Sagittaria*  
 Filamentous algae

**SITE NO. 6423**

**LAND USE WITHIN 5m OF BANKTOP**

	L	R		L	R
Broad/mailed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/mailed improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Loch (LC)			Open water (OW)		
Tall herbs - rank vegetation (TH)			Suburban/urban development (SU)		

**Natural/modified bed**

	L	R	Artificial/modified	L	R
Vertical/undisturbed			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (>45)			Reinforced - top only		
Grass			Reinforced - toe only		
Scrub			Artificial two-stage		
Vegetable			Poached		
			Embanked		
			Set back embankment		

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

	Left	Right	None	Percent E (2.5%)
None				
Isolated/clustered				
Regularly spaced, single				
Occasional clumps				
Scal coniferous				
Continuous				

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

	None	Percent E (2.5%)
Shading of channel		
Overhanging boughs		
Exposed bankside roots		
Underwater tree roots		
Fallen trees		
Coarse woody debris		

**WATERBODIES**

	None	Percent E (2.5%)
Waterfall(s)		
Channel(s)		
Rapid(s)		
Riffle(s)		
Road(s)		
Bank(s)		
Obide(s)		
Pool(s)		

**ADJACENT FEATURES**

	None	Percent E (2.5%)
Adjoining ditchwater		
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): **STAGNANT (1, 2)**

**RIVER HABITAT SURVEY AND DIMENSIONS AND INFLUENCES**

**CHANNEL DIMENSIONS** (to be obtained across channel 5m wide transects) - see page 2 of 4

LEFT BANK	Banktop width (m)	<b>11.5</b>	RIGHT BANK	<b>16.5</b>
Banktop height (m)	Water width (m)	<b>7.5</b>	Banktop height (m)	<b>1.93</b>
Embanked height (m)	Water depth (m)	<b>0.37</b>	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)     
 Location of measurement is: riffle  run or glide  other  (tick one box)

**CHANNEL OBSTRUCTIONS**

None  Number of Culverts = \_\_\_\_\_ Weirs = **4** Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = **1** Other = \_\_\_\_\_  
 Is water impounded by weirs? No  Yes, <33% of site  >33% of site

**CHANNEL OBSTRUCTIONS**

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

**CHANNEL OBSTRUCTIONS**

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

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

**MAJOR IMPACTS**

None  Oldest Region  Himalayan Basin  Japanese Knotweed  Other? *North Rhododendron tree*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction (mill) - dam - road - cell - industry - housing - mining - quarrying - afforestation - fisheries management - other? \_\_\_\_\_

Land Management: wet aside - buffer strip - headland - abandoned land - parkland - MoD - other? \_\_\_\_\_

Animals: other - mink - water vole - *amphibians* - dipper - grey wagtail - moor martin - heron - dragonfly - *amphibians*

Other significant observations: **RS channel, part of old mill + ex bank fishing**

Alders? None  Present  Extensive  Discard Alders? None  Present  Extensive











**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-10)  
 Solid geology code Draft 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 differs from designated location:

Grid Reference: T6507717 River: WILLOUGHBY CREEK  
 Date: 21/5/1996 Time: 12:10 Surveyor name: P. Lobb 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 RIPPLES, POOLS AND POINT BARS (tick one box only)**

Ripples Unvegetated point bars  
 Pools Vegetated point bars

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

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

Species list upstream	1	2	3	4	5	6	7	8	9	10
-----------------------	---	---	---	---	---	---	---	---	---	----

**LEFT BANK - TICK IF FUNCTIONAL**

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 DIMENSIONS**

Channel substrate	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
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

**RIGHT BANK - TICK IF FUNCTIONAL**

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, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS
LEFT BANK-TOP (structure within 1m) BASIC	U	S	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BASIC	S	S	U	S	S	S	C	C	S	S
RIGHT BANK FACE (structure) BASIC	S	S	U	S	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) BASIC	U	U	S	U	S	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TH	IS	IS	IS	IS	IS	IS	IS	IS

**DIAGNOSIS - VEGETATION TYPES**

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 (tick one box only)**

Broadleaf/mixed woodland (BL)										
Coniferous plantation (CP)										
Orchard (OR)										
Moorland/heath (MH)										
Scrub (SC)										
Tall herbs' reed vegetation (TH)										
Natural/unmodified										
Artificial/modified										
Vertical/vertical										
Vertical + toe										
Slope (>45)										
Grate										
Composite										

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

None										
Shading of channel										
Overhanging boughs										
Exposed bankside roots										
Underwater tree roots										
Fallen trees										
Coarse woody debris										

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

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

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

None										
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):

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

LEFT BANK	Banktop width (m)	<u>8.00</u>	RIGHT BANK		
Banktop height (m)	<u>2.20</u>	Water width (m)	<u>3.0</u>	Banktop height (m)	<u>2.20</u>
Embanked height (m)		Water depth (m)	<u>0.20</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)

**STRUCTURAL 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 HUMAN MANAGEMENT**

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

**CHARACTER OF CHANNEL TYPE**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foam  Flash

**COVERED CHANNEL**

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

**COVERED CHANNEL TYPE**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? Name Rhododendron bracken

**COVERED CHANNEL TYPE**

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

Land Management: set-aside - buffer strip - floodland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: old mill race through channel - vegetation banks and some Uls. l. etc. - still water in some places

**VALIDITY (tick appropriate box)**

Alters? None  Present  Extensive  Discussed AMRT? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFS mod for plant genera and fenestri 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: 21.5.1996 Time: 12-05 Surveyor name: B. BLACKBURN Accreditation code: PF6

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

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

IFE single photograph, general character? No  Yes  (tick one box)  
 (duplicate will be 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 STOKES, WAREHAM, BH20 4BB

1996 RIVER HABITAT SURVEY WITH SPOT CHECKS Page 2 of 4

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

**F PHYSICAL ATTRIBUTES (to be assessed across channel width in 1m wide transects)**

Spot check 1 - 10 upstream	1	2	3	4	5	6	7	8	9	10
Material (M) NO CO CL SL PE LC SP GP GA BL GR SW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M) NO AS ASL PC BL DM SW	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (M) NO EC SC PL VP SW ST	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (M) NO AS CO GP SL SP CL PE AS	S	S	S	S	S	S	S	S	S	S
Substrate shape (F) OV FL SP CU PO B, OAM, ...	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Plan type (F) CH EN UR CU EP UP SW SP JO	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) (M) NO CO ASL DM SW ST	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) (M) NO AS CO ASL VP SW ST	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**G RIGHT BANK TICK (if functional feature)**

Material (M) NO CO CL SL PE LC SP GP GA BL GR SW	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M) NO AS ASL PC BL DM SW	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (M) NO EC SC PL VP SW ST	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

Land use: choose one from M, CT, OK, NR, SC, TL, SP, AG, FL, WL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	1G	4	1G	1G	1G	TL	TL	TL	TL	TL
LEFT BANK TOP (structure within 1m) (M) NO ASL	U	S	S	U	S	S	S	S	S	S
LEFT BANK FACE (structure) (M) NO ASL	S	S	S	S	S	C	C	C	S	S
RIGHT BANK FACE (structure) (M) NO ASL	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) (M) NO ASL	S	S	S	S	S	U	S	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	SH	1G	1G	TL	TL	TL	TL	TL	TL

**I PLANT GENERA - list first 5**

None										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes (Phragmites, Carex, Scirpus, Juncus)	V	V	V	V	V	V	V	V	V	V
Floating-leaved (rooted)										
Free-floating										
Amphibious	V	V	V	V	V					
Submerged broad-leaved										
Submersed fine-leaved	V	V	V	V	V	E	E	E	E	E
Filamentous algae										

SITE NO. 6426

**J CHANNEL VEGETATION**

Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	V
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Brack (BR)			Open water (OW)		
Tall herbs and wetland (TH)			Suburban/urban development (SU)		

**K CHANNEL VEGETATION (continued)**

Natural/semi-nat	L	R	Artificial/semi-art	L	R
Vertical/wedged	2	2	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		

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

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None	Percent E (2-33%)
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 checked="" type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Pedon 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"/>

**M ASSOCIATED FEATURES (tick one box per feature)**

Washed(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 checked="" 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 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"/>
Obide(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): side

**N CHANNEL DIMENSIONS AND DIMENSIONS**

LEFT BANK	Banktop width (m)	8.0	RIGHT BANK		
Banktop height (m)	2.2	Water width (m)	3.0	Banktop height (m)	2.2
Embanked height (m)		Water depth (m)	0.2	Embanked height (m)	

If structure lower than banktop break in slope, indicate: height (m) = 2.2 width (m) = 8.0

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

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

**O CHANNEL VEGETATION**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Footbridges = 0 Roadbridges = 0 Other = 1 (see notes)  
 Is water impounded by weir(s)? No  Yes, <3% of site  >3% of site

**P EVIDENCE OF CHANNEL CHANGE**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? State .....

**Q FEATURES OF SPECIAL INTEREST**

None  Artificial open water  Bog  Other (state) ...  
 Broad/wide channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Pile  Flush

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

**R CHANNEL VEGETATION**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Notte Rhododendron fructus

**S MAJOR IMPACTS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - other - 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 - dragonfly/damselfly

Other significant observations: ... ..

**T ALDIN (tick appropriate)**

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 Uniform category  
 Distance from source (1km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**FIELD SURVEY DETAILS**

Reference network site number: 6455 (12.2)

Mid-site grid reference of network site if different from designated location: QA

Grid Reference: TF 135602 River: OUD R BAN

Date 23/11/1996 Time: 12.00 Surveyor name: BACHMANN 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)

**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, POOLS AND POINT BARS (tick one box)**

Rifles Unvegetated point bars  
 Pools Vegetated point bars

END COMPLETED FORMS WEEKLY plus all water samples and expenses claim TO  
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BN20 6BB

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

Spot check 1 m upstream (1) downstream (2)	Points									
	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)	R	R	R	R	R	R	R	R	R	R
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 shape	BR	BR	BR	BR	BR	BR	BR	BR	BR	BR
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	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) BWSIC	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BWSIC	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BWSIC	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BWSIC	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	TL	TL	TL	TL	TL	TL

**PLANT GENERA - list first 5**

NONE	PLANT GENERA - list first 5																			
Bryophytes/lichens																				
Emerg broad-leaved herbs	Myrica, Lemna, Potamogeton																			
Emerg reeds/sedges/rushes	Phragmites, Typha																			
Floating-leaved (rooted)																				
Free-floating																				
Amphibious																				
Submerged broad-leaved																				
Submersy fine-linear-leaved																				
Filamentous algae																				

**1996 RIVER HABITAT SURVEY: POINT SOURCE AND SCOURING**

**LAND USE WITHIN 5m OF BANKTOP (L)**

	L	R		L	R
Broadleaved woodland (BL)					
Coniferous plantation (CP)					
Hard (HR)					
Moorland/heath (MH)					
Scrub (SC)					
All herbs - rural vegetation (TH)					
Artificial/modified					
Reinforced					
Reinforced - whole bank					
Reinforced - top only					
Reinforced - toe only					
Artificial two-stage					
Punctured					
Embankment					
Set-back embankment					

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

	Left	Right	None	Present E (2.2%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shedding of channel	<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"/>
Exposed bankside roots	<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"/>
Fallen trees	<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"/>

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

	None	Present E (2.2%)
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"/>
Natural 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"/>

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

**1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	Banktop height (m)	Embankment height (m)	RIGHT BANK	Banktop width (m)	Banktop height (m)	Embankment height (m)
	8.5	1.75	0.1		2.5	1.7	2.5

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

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

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

**EVIDENCE OF RECENT MANAGERIAL ACTION**

None  Dredging  Moving  Wood cutting   
 Enhancement  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 meadows  Marsh   
 Loamy debris  Pits  Flank

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

None  Great Hayward  Hymenocallis  Japanese Knotweed  Other? Name Rhododendron bracteata

Major impacts: landfill - tipping - litter - sewage - pollution (strength - obstruction) - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - other? =

Land Management: set aside - buffer strip - landward - abandoned bed - partland - MoD - other? =

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - mead martin - heron - dragonflies/damselflies

Other significant observations: Significant clean breeding zone between water channels & 100m of river vegetation on covered in all weals. Level of vegetation is high on right bank. Small pool of water in the middle of the channel. All other left bank.

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

Alders? None  Present  Extensive  Disused Alders? None  Present  Extensive

1996 RIVER HABITAT SURVEY with IPI: mods for plant species 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: **6456**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: \_\_\_\_\_  
 Date: **21.5** 1996 Time: **09:35** Surveyor name: **P. BENT** Accreditation code: **PF 35**

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)  
 (duplicate will be 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 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, IPI, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

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

LEFT BANK (see IPI for details) RIGHT BANK (see IPI for details) (see IPI for details)

**E PHYSICAL ATTRIBUTES (to be assessed across channel, within a 1m wide transect) - 10 transects only**

Spot check (1-10)	1	2	3	4	5	6	7	8	9	10
LEFT BANK (structure)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
RIGHT BANK (structure)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Channel vegetation	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Channel morphology	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
RIGHT BANK (structure)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel vegetation	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Channel morphology	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
RIGHT BANK (structure)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel vegetation	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Channel morphology	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
RIGHT BANK (structure)	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, DL, ML, SL, PL, FL, NL, OL, PL)	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BAUSC	C	C	C	C	C	C	C	C	C	C
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

**G CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

NONE / PLANT GENERA - see IPI	1	2	3	4	5	6	7	8	9	10
Bryophytes/algae										
Emergent broad-leaved herbs										
Emergent reed/wedge numbers										
Flowering broad-leaved										
Free floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Edematous algae										

SITE NO. **6456**

**H CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

None	L	R	Artificial modified	L	R
Broad-leaved 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) (WJ)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**I CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

None	L	R	Artificial modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial toe-stage		
			Poached		
			Embedded		
			Sci-back embankment		

**J CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

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

Name	Left	Right	None	Present E (>33%)
Isolated/scattered				
Regularly spaced, single				
Occasional clumps				
Semi continuous				
Continuous				

**L ASSOCIATED FEATURES (tick one box per feature)**

Name	None	Present E (>33%)
Shading of channel		
Overhanging boughs		
Exposed bankside roots		
Underwater tree roots		
Fallen trees		
Coarse woody debris		

**M CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

Name	None	Present E (>33%)
Marginal dead-water		
Exposed bedrock		
Exposed boulders		
Unvegetated mid channel bar(s)		
Vegetated mid channel bar(s)		
Natural island(s)		
Unvegetated side bar(s)		
Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): **1, 2, 3**

**N CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

**O CHANNEL DIMENSIONS AND TRENDS**

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	1.5	2
Banktop height (m)	1.5	2
Banktop height (m)	1.5	2
Banktop height (m)	1.5	2

**P CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

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 =  
 Featherbridges = Rambridges = Other =

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

None  Drifting  Moving  Wood-cutting   
 Embankment  Other? State \_\_\_\_\_

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

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

Name  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron bracken

Major impacts: landfill - spraying - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - fishing - other? =

Lead Management: set aside - buffer strip - biofence - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - lamp/lure - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: **fish, water vole, dipper, grey wagtail, sand martin, heron, dragonfly/damselfly**

Additional notes: **fish, water vole, dipper, grey wagtail, sand martin, heron, dragonfly/damselfly**

Abandon? None  Present  Extensive  Decreased 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: 6456 (12) **QA**

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

Grid Reference: **IF 330609** River: **WEST FAN DRAIN**

Date: 2.5.1996 Time: 09:00... Surveyor name: **BLAKE BARN** Accreditation code: **PE6**

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

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

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be 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. RIVER CHANNEL 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

**D. COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BE**

**1996 RIVER HABITAT SURVEY: IFE SPOT CHECKS** (Page 2 of 4)

TALLY (see IFE) for: Riffles Pools Unveg side bars Veg point bars

**PHYSICAL ATTRIBUTES** (to be checked across channel profile in wide reaches) - one tally only

Spot check 1 in upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material W, M, O, C, S, L, P, F, B, V, E	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) W, M, O, C, S, L, P, F, B, V, E	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) W, M, O, C, S, L, P, F, B, V, E	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate(s) W, M, O, C, S, L, P, F, B, V, E	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Substrate slope F, O, V, E, W, C, U, P, O, B, O, M, S, L, P, F, B, V, E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type F, O, V, E, W, C, U, P, O, B, O, M, S, L, P, F, B, V, E	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) W, M, O, C, S, L, P, F, B, V, E	S	RC	RC	S	RC	RC	S	RC	RC	S
Channel feature(s) W, M, O, C, S, L, P, F, B, V, E	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material W, M, O, C, S, L, P, F, B, V, E	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) W, M, O, C, S, L, P, F, B, V, E	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) W, M, O, C, S, L, P, F, B, V, E	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**LAND USE WITHIN 5m OF BANKTOP (L)**

LEFT BANK-TOP (structure within 1m) BWSIC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BWSIC	C	C	C	C	C	C	C	C	C	C
RIGHT BANK FACE (structure) BWSIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BWSIC	S	UR	UR	UR	S	UR	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

**VEGETATION AND FLORA**

Land use: choose one from BE, CP, OR, NH, SC, TR, RP, AG, W, WL, OW, SW

NON-PLANT GENERA - list first 5										
Dryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

**TE NO. 6456 1996 RIVER HABITAT SURVEY (SPOT SWEEP UP)**

**LAND USE WITHIN 5m OF BANKTOP** (tick one box per bank)

	L	R		L	R
unimproved woodland (UL)			Rough pasture (RP)		E
micro plantation (CP)			improved/semi-improved grass (IG)		
hard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
W (FC)			Open water (OW)		
Herbs and vegetation (HO)			Suburban/urban development (SU)	E	

**CHANNEL DIMENSIONS AND INFLEDGINGS**

Natural/unmodified	L	R	Artificial/modified	L	R
trial/undercut			Reinforced	E	E
Scal + toe			Reinforced - whole bank		
scarp (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
spoilt			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**TRSSS (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"/>
Small occasional	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Conceal woody debris	<input type="checkbox"/>

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

Waterfall(s)	None	Present E (> 33%)	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"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Side(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"/>

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

**1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLEDGINGS** (Page 4 of 4)

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

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	Water width (m)	Banktop height (m)
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)  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

**EVIDENCE OF OPEN WATER MANAGEMENT** (tick one box per feature)

None  Dredging  Moving  Wood cutting   
 Embankment  Other? State:

**MANAGEMENT FEATURES**

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

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

**MANAGEMENT FEATURES**

None  Great Hoopwood  Himalayan Balsam  Japanese Knotweed  Other? Name Rhododendron fructosus

**MAJOR IMPACTS** (list all that apply): landfill - tipping - liner - 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 head - partland - MoD - other? =

**ANIMALS**: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

**OTHER SIGNIFICANT OBSERVATIONS**:

**ADDITIONAL COMMENTS** (tick one box per feature)

Advent? None  Present  Extensive  Observed ADVENT? None  Present  Extensive

**1996 RIVER HABITAT SURVEY** (Form for plant genera and species lists of 4)

**A. 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

**B. FIELD SURVEY DATA**

Reference network site number: **6457**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River:  
 Date: **7/5/1996** Time: **16:30** Surveyor name: **P. Scoble** 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 RIPPLES, POOLS AND POINT BARS (tick one box)**

Ripples 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 STOEK, WARRIAN, BH20 6BB

**1996 RIVER HABITAT SURVEY** (Form for plant genera and species lists of 4)

**TABLE 1 (see PDF) for - Riffles** (Use one side bars) (Use other side)

**PHYSICAL ATTRIBUTES (tick one box only)**

Spot check 1 (tick one box only)

Material	EA	EM	EN	ES	ET	EU	EV	EW	EX
Bank modification(s)									
Bank feature(s)									
Channel substrate	SI	SM	SN	SO	ST	ST	ST	ST	ST
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA
Plan type	NP	NP	NP	NP	NP	NP	NP	NP	NP
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 one box only)

Material	EA	EM	EN	ES	ET	EU	EV	EW	EX
Bank modification(s)									
Bank feature(s)									

**E. BANKTOP LAND USE AND VEGETATION STRUCTURE (tick one box)**

Land use: choose one from BL, CL, DL, EL, FL, GL, HL, IL, OL, PL, SL, TL, UL, VL, WL, XL, YL, ZL

LAND USE WITHIN 5m OF BANKTOP (L)	BL	CL	DL	EL	FL	GL	HL	IL	OL	PL	SL	TL	UL	VL	WL	XL	YL	ZL
LEFT BANK TOP (structure within 5m) BASIC																		
LEFT BANK FACE (structure) BASIC																		
RIGHT BANK FACE (structure) BASIC																		
RIGHT BANK TOP (structure within 5m) BASIC																		
LAND USE WITHIN 5m OF BANK TOP (R)																		

**F. PLANT GENERA - Use Form 5**

NONE / PLANT GENERA - Use Form 5

Bryophytes/lichens  
 Emerging broad-leaved herbs  
 Emerging reeds/sedges/rushes  
 Floating-leaved (free) float  
 Free-floating  
 Amphibious  
 Submerged broad-leaved  
 Submerged fine-leaved  
 Filamentous algae

**SITE NO. 6457**

	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)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/mast vegetation (TH)			Suburban/urban development (SU)		

**Metals/semi-natural**

	L	R	Artificial/semi-natural	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Punched		
			Embedded		
			Set back embankments		

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

	Left	Right	None	Percent E (± 11%)
None				
Unfaded/cutback				
Regularly spaced, single				
Occasional clumps				
Scattered continuous				
Continuous				

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

	None	Percent E (± 11%)
Shading of channel		
Overhanging boughs		
Exposed bankside roots		
Underwater tree roots		
Fallen trees		
Coarse woody debris		

**WATERFALLS AND ASSOCIATED FEATURES**

	None	Percent E (± 11%)
Marginal dead-water		
Exposed bedrock		
Exposed boulders		
Un-vegetated mid channel bar(s)		
Vegetated mid channel bar(s)		
Minor stands		
Unvegetated side bar(s)		
Vegetated side bar(s)		

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

**1996 RIVER HABITAT SURVEY** (Form for plant genera and species lists of 4)

**STANDARD DIMENSIONS**

LEFT BANK	Banktop width (m)	31.10	RIGHT BANK
Banktop height (m)	2.10	Water width (m)	31
Embanked height (m)	1.40	Water depth (m)	NV
		Embanked height (m)	1.40

If trapezoidal bank height 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 FEATURES**

None  Number of Outfalls = Weirs = Footbridges = Outfalls = Fords =  
 Is water impounded by weirs/dams? No  Yes, < 15% of site  > 15% of site

**VEGETATION FEATURES**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? State:

**FEATURES OF INTEREST**

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

**EXTENDED CHANNELS**

Is 15% or more of the channel choked with vegetation? No  Yes

**NON-NATIVE PLANT SPECIES**

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

**MAJOR IMPACTS**

Major impacts: landfill - tipping - liner - sewage - pollution - drought - abstraction - spill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - mining - other? =

Land Management: set aside - buffer strip - heathland - structured land - parkland - MoD - other? =

Animals: badger - pine marten - water vole - magpie - dipper - grey heron - sand martin - heron - dragonfly/damselfly  
 Large Avian Predator: **Osprey** (nesting), **Red Kite** (nesting), **Long Legged Woodpecker** (nesting)  
 Other significant observations: **2 channels on either side of side.**

Address: None  Present  Extensive  (tick one box)





1996 RIVER HABITAT SURVEY with IFE grids for plant genera and species Page 1 of 4

**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow Category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Dist. 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 **6458**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: River: **UN-ARMED**  
 Date: **1.5.1996** Time: **09:25** 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)  
 (duplicate will be 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 W/EAET plus all water samples and expenses claims TO  
 N. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 4BB

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

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

Attribute	1	2	3	4	5	6	7	8	9	10
Channel substrate	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Channel bedform	LS	RS	RS	RS	PS	RS	RS	RS	RS	RS
Channel feature	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICK if functional form	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bank modification	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature	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 SL, CL, PL, ML, SC, TH, RP, RL, PL, CL, SL)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK TOP (structure within 1m) BAUSE	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BAUSE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BAUSE	U	S	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) BAUSE	U	U	U	U	U	U	U	U	U	U

**G PLANT GENERA VEGETATION TYPES (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 (free) herbs										
Free-floating										
Amphibious										
Submerged broad-leaved	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Submerged fine-leaved	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SITE NO. **6458**

**CHANNEL CHARACTERISTICS**

	L	R		L	R
Broad/limited woodland (BL)			Rough pasture (RP)		✓
Coniferous plantation (CP)			Improved/maintained grass (IG)		✓
Overland (OR)			Tiled land (TL)	✓	✓
Woodland/heath (WH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Disturbed/urban development (DU)	✓	✓

**CHANNEL VEGETATION**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	✓		Reinforced		✓
Vertical + toe	✓		Reinforced - whole bank	✓	✓
Sloop (> 45°)	✓		Reinforced - top only	✓	
Gentle	✓		Reinforced - toe only	✓	
Catchpole			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

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

None	Left	Right	Shading of channel	None	Percent B (2-11%)
Isolated/scattered	✓	✓	Overhanging boughs	✓	0
Regularly spaced, single	✓	✓	Exposed bankside roots	✓	0
Occasional clumps	✓	✓	Underwater tree roots	✓	0
Semi-continuous	✓	✓	Fallen trees	✓	0
Continuous	✓	✓	Coarse woody debris	✓	0

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

None	Percent B (2-11%)	None	Percent B (2-11%)
Marginal dead-water	0	Exposed bedrock	0
Overlapping boughs	0	Exposed boulders	0
Unvegetated mid channel bar(s)	0	Vegetated mid channel bar(s)	0
Vegetated mid channel bar(s)	0	Mature island(s)	0
Vegetated side bar(s)	0	Unvegetated side bar(s)	0
Vegetated + bar(s)	0	Vegetated + bar(s)	0

Indicate predominant flow sequence (select up to three) (res): **All No flow possible**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND MEASUREMENTS

**MEASURED DIMENSIONS (to be measured across channel at a point of interest)**

LEFT BANK	Banktop width (m)	<b>19.40</b>	RIGHT BANK		
Banktop height (m)	<b>2.75</b>	Water width (m)	<b>3.00</b>	Banktop height (m)	<b>2.75</b>
Embankment height (m)		Water depth (m)	<b>0.60</b>	Embankment height (m)	

If measuring 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 = **2** Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site  (2 pairs)

**VEGETATION CHARACTERISTICS**

None  Drooping  Mowing  Wind-cutting   
 Embankment  Other? State: \_\_\_\_\_

**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 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

**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 - partition - MoD - other? = \_\_\_\_\_

**ANIMALS**: otter - mink - water vole - kingfisher - dipper - grey heron - sand martin (tick) dragonflies/damselflies

**OTHER SIGNIFICANT OBSERVATIONS**: **recessed drainage channel**

Abandon? None  Present  Extensive  Discard Abandon? None  Present  Extensive



1996 RIVER HABITAT SURVEY with 105 modifications for plant, geology and factors, page 1 of 4

**A BACKGROUND MAP-BASIS INFORMATION**

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

**B STANDARD SURVEY PARAMETERS**

Reference network site number: **6486**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River:  
 Date: **2/2/1996** 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)

**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

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

**D NUMBER OF RIPARIAN POOLS AND 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 STOEK, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFURGENCES page 2 of 4

**I CHANNEL DIMENSIONS** (to be indicated across channel profile (m wide transects))

Spot check (1) upstream (1) Spot check (2) downstream	1	2	3	4	5	6	7	8	9	10
Material (M) M1-M10	BR	BR	BR							
Bank modification(s) (M) M1-M10	M1	M2	M3							
Bank feature(s) (M) M1-M10	BR	BR	BR							
Channel substrate (M) M1-M10	S1	S1	S1							
Substrate shape (M) M1-M10	NA	NA	NA							
Flow type (M) M1-M10	NP	NP	NP							
Channel modification(s) (M) M1-M10	NO	NO	NO							
Channel feature(s) (M) M1-M10	NO	NO	NO							

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

Land use: choose one from M, CP, DR, NH, SC, TH, AC, PL, W, OP, WU

LAND USE WITHIN 5m OF BANKTOP (L)	IS	U	U							
LEFT BANK TOP (structure within 1m) (L)	U	U	U							
LEFT BANK FACE (structure) (L)	B	B	B							
RIGHT BANK TOP (structure within 1m) (R)	U	U	U							
RIGHT BANK FACE (structure) (R)	U	U	U							
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU							

**III VEGETATION CHARACTERISTICS**

NONE  PLANT GENERA - list first 5

Bryophytes/lichens   
 Emerging broad-leaved herbs   
 Emerging woody sedges/rushes  *Phragmites*   
 Floating-leaved (rooted)   
 Free-floating   
 Amphibious   
 Submerged broad-leaved   
 Submerged fine-leaved   
 Filamentous algae

SITE NO. **6486**

Broadleaved woodland (BL)			Rough pasture (RP)		
Cool-season grassland (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tiled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SQ)			Open water (OW)		
Tall herb + wet vegetation (TH)			Suburban/urban development (SU)		E

**IV VEGETATION CHARACTERISTICS**

Natural/semi-nat	L	R	Artificial/modified	L	R
Vertical/undercut			Recessional		E E
Vertical + toe			Reinforced - whole bank		E E
Slope (>45°)			Reinforced - top only		E E
Geank			Reinforced - toe only		E E
Composite			Artificial two-stage		
			Propped		E E
			Embanked		E E
			Set-back construction		

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

None	Left	Right	Shading of channel	None	Percent E (2.1%)
Isolated/scattered			Overhanging branches		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Scrub construction			Fallen trees		
Continuous			Course woody debris		

**VI ASSOCIATED FEATURES (tick one box per feature)**

Waterfall(s)	None	Percent E (2.1%)	Marginal dead-water	None	Percent E (2.1%)
Cascade(s)			Exposed bedrock		
Rap(s)			Exposed boulders		
Riffle(s)			Unvegetated mid channel bar(s)		
Run(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): **All no p. rap**

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFURGENCES page 3 of 4

**IV CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	52.0	RIGHT BANK		
Banktop height (m)	2.50	Water width (m)	42.0	Banktop height (m)	2.50
Embanked height (m)	3.0	Water depth (m)	NV	Embanked height (m)	2.5

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

Bed material at site is: coarsest (compact)  coarsest (loose)  *Unknown*

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

**V VEGETATION CHARACTERISTICS**

None  Number of Culverts = Weirs = Duffalls = Fords =  
 Footbridges =  
 Is water impounded by weirs/dams? No  Yes, <35% of site  >35% of site

**VI VEGETATION CHARACTERISTICS**

None  Dredging  Moving  Weed cutting   
 Enhancement  Other? State:

**VII FEATURES OF SPECIAL INTEREST**

None  Artificial open water  Bog  Other (state)   
 Broad/side channels  Natural open water  Cut   
 Debris dams  Water meadow  Marsh   
 Loose debris  Fica  Flush

**VIII CHANNEL CHARACTERISTICS**

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

**IX VEGETATION CHARACTERISTICS**

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

**X MAJOR INFURGENCES**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - mining - other? =

Land Management: set aside - buffer strip - headland - abandoned land - purified - MoD - other? =

Animals: otter - mink - water vole - lingfisher - doper - grey wagtail - sand martin - tern - dragonfly/damselfly

Other significant observations: **Run rap bar RT on P.B. with low bank/bed**  
**Flow on left bank along P.B. good riparian bank**

Address: Name  Present  Extensive  Disused  None  Present  Extensive



**RIVER HABITAT SURVEY DIMENSIONS AND FEATURES** 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. SURVEY DETAILS**

Reference network site number: **6487**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: \_\_\_\_\_  
 Date: **22/5/1996** Time: **14:40** Surveyor name: **P. Jendelt** Accreditation code: **P35**

Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be 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** (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 STOLE, WAREHAM, BH20 6BB

**RIVER HABITAT SURVEY SPOT CHECKS** Page 2 of 4

1. IFE (use this for riffles) Pools Unveg. veg. bars Veg. point bars

II. PHYSICAL ATTRIBUTES (to be completed across channel profile in 1m wide transects)

Spot check 1 is repeated	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Bank feature(s)	N	N	N	N	N	N	N	N	N	N
Channel substrate	S	S	S	S	S	S	S	S	S	S
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)	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** TICK if functional (code)

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
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 SL, CL, OH, MH, SC, TH, SF, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SU	CL	OH	MH	SC	TH	SF	FL	WL	OW
LEFT BANK TOP (structure within 1m) BAUGC	B									
LEFT BANK FACE (structure) BAUGC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BAUGC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BAUGC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS

**G. PLANT 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 (meadow)										
Free-floating										
Amphibians										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

**SITE NO. 6487**

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

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/erosion			Revetment	E	C
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Grade			Reinforced - toe only	E	E
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Soft bank embankment	E	E

**FEATURES OF CHANNELS AND ASSOCIATED FEATURES**

FEATURES (tick one box per bank)	Left		Right		ASSOCIATED FEATURES (tick one box per feature)	
	None	Present	None	Present	None	Present
Inflow/uncontrolled					Shading of channel	
Regularly spaced, single					Overhanging banks	
Occasional change					Exposed bankside roots	
Small continuous					Underwater tree roots	
Continuous					Fallen trees	
					Coarse woody debris	

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

**RIVER HABITAT SURVEY DIMENSIONS AND FEATURES**

**I. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	0.5	Water width (m)
Embanked height (m)	3.0	Water depth (m)
		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)  unknown

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

**II. CHANNEL VEGETATION**

None  Number of Obverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = \_\_\_\_\_

Is water unimpeded by weirs/dams? No  Yes, <33% of use  >33% of use

**III. CHANNEL MANAGEMENT**

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State: **brush removal by power/cuts**

**IV. FEATURES OF CHANNELS AND ASSOCIATED FEATURES**

None	Present	None	Present
Waterfalls > 5m high		Artificial open water	
Bedrock/side channels		Natural open water	
Debris dams		Water meadow	
Leafy debris		Fan	

**CHANNEL CHANNEL**

Is 15% or more of the channel choked with vegetation? NO  YES

**NOTABLE NON-VEGETATIVE FEATURES**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? **Nettle, Rhododendron, Juniper**

**OVERLAPPING ACTIVITIES**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siting - other = \_\_\_\_\_

Land Management: set-back - buffer strip - headland - abandoned land - portland - MxO - other = \_\_\_\_\_

Animals: water - eel - water vole - kingfisher - dipper - grey heron - sand martin - barn - dragonfly/damselfly

Other significant observations: **low water level, exposed roots, fallen trees, etc.**

Additional comments: **low water level, exposed roots, fallen trees, etc.**

Advers? None  Present  Extensive  Moderate  None  Present  Extensive

**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 urbanity? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number 6487  
 Mid-site grid reference of network site if different from designated location: QA

Grid Reference: TF 237514 River: R WITHAM  
 Date 23/5/1996 Time 14.40 Surveyor name J Blackham Accreditation code PF6

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

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be 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)**

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

Spot check (1-10) upstream/downstream	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> (tick if functional feature)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material (W, M, S, C, G, L, P, F, O, D, B, U, N, J, K)	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, M, S, C, G, L, P, F, O, D, B, U, N, J, K)	S	S	S	S	S	S	S	S	S	S
Substrate shape (FL, OF, EL, SF, CU, PO, BL, Oth)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
Flow type (FL, OF, EL, SF, CU, PO, BL, Oth)	FA	FA	FA	FA	FA	FA	FA	FA	FA	FA
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 feature)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material (W, M, S, C, G, L, P, F, O, D, B, U, N, J, K)	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, E, F, G, H, 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)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) BAUSC	B	B	B	B	B	B	B	B	B	B
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

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

NONE / PLANT GENERA - list first 5

None / PLANT GENERA - list first 5	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg roots/leaves/rhizomes (Phragmites)										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

**H. LAND USE WITHIN 5m OF BANKTOP (tick one box)**

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

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

	L	R	Artificial/modified	L	R
Natural/undisturbed			Reinforced	E	E
Artificial/modified			Reinforced - whole bank		
Artificial/modified			Reinforced - top only		
Artificial/modified			Reinforced - toe only	E	E
Artificial/modified			Artificial two-stage		
Artificial/modified			Poached		
Artificial/modified			Embanked		
Artificial/modified			Set-back embankments	E	E

**J. 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 checked="" 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 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"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

**K. WATERFALLS AND OTHER FEATURES (tick one box per feature)**

	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"/>
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 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"/>
Ran(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"/>
Osile(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):

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

LEFT BANK	Banktop width (m)	68	RIGHT BANK
Banktop height (m)	Water width (m)	48	Banktop height (m)
Embanked height (m)	Water depth (m)	3.0	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)

**M. CHANNEL FEATURES (tick one 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 CHANNEL MANAGEMENT (tick one box)**

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

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

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bruided/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. OTHER SIGNIFICANT FEATURES (tick appropriate box(es))**

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

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

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

Lead Management: set aside - buffer strip - headland - abandoned land - partitioned - MoD - other? = \_\_\_\_\_

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

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

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

Alters? None  Present  Extensive  Obscured  None  Present  Extensive

1996 RIVER HABITAT SURVEY with IFE modification for plant genera and vegetation Page 1 of 4

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_ Infill 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 **6488**  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: **TF338557** River: **WEST FEN DRAIN**  
 Date: **2.5.1996** Time: **12.05** Surveyor name: **P. Forth** 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 (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 RIPPLES, POOLS AND POINT BARS (tick one box only)**

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 STOLE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY SPOT CHECKS Page 2 of 4

Left bank (for left bank riffles) \_\_\_\_\_ Right bank (for right bank riffles) \_\_\_\_\_ Unveg. side bank \_\_\_\_\_ Veg. side bank \_\_\_\_\_

**E. PHYSICAL ATTRIBUTES (to be assessed across channel/bank/10m wide transect) - one only only**

Spot check 1 is upstream ( ) downstream ( )	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK if (functional) focus										
Material (M) M1 M2 M3 M4 M5 M6 M7 M8 M9 M10	E	A	E	A	E	A	E	A	E	A
Bank modification (B) B1 B2 B3 B4 B5 B6 B7 B8 B9 B10	R	S	R	S	R	S	R	S	R	S
Bank feature (F) F1 F2 F3 F4 F5 F6 F7 F8 F9 F10	N	O	N	O	N	O	N	O	N	O
Channel substrate (S) S1 S2 S3 S4 S5 S6 S7 S8 S9 S10	S	I	S	I	S	I	S	I	S	I
Substrate shape (SH) SH1 SH2 SH3 SH4 SH5 SH6 SH7 SH8 SH9 SH10	K	A	N	A	N	A	N	A	N	A
Flow type (FT) FT1 FT2 FT3 FT4 FT5 FT6 FT7 FT8 FT9 FT10	S	M	S	M	S	M	S	M	S	M
Channel modification (M) M1 M2 M3 M4 M5 M6 M7 M8 M9 M10	R	S	R	S	R	S	R	S	R	S
Channel feature (C) C1 C2 C3 C4 C5 C6 C7 C8 C9 C10	N	O	N	O	N	O	N	O	N	O
RIGHT BANK - TICK if (functional) focus										
Material (M) M1 M2 M3 M4 M5 M6 M7 M8 M9 M10	E	A	E	A	E	A	E	A	E	A
Bank modification (B) B1 B2 B3 B4 B5 B6 B7 B8 B9 B10	R	S	R	S	R	S	R	S	R	S
Bank feature (F) F1 F2 F3 F4 F5 F6 F7 F8 F9 F10	N	O	N	O	N	O	N	O	N	O

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

Land use: choose one from RL, CP, CH, MH, SC, TM, EP, N, L, PL, OW, SU

LAND USE WITHIN 5m OF BANK TOP (L)	SU	SU	U	SU	SU	SU	SU	SU	SU	SU
LEFT BANK TOP (structure within 1m) BAUSE	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BAUSE	U	U	U	S	S	S	U	S	S	S
RIGHT BANK FACE (structure) BAUSE	C	S	S	C	S	S	C	C	C	S
RIGHT BANK TOP (structure within 1m) BAUSE	S	S	S	U	U	U	S	C	M	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	IP	IP	RP	RP	SU	IG	IG	IG	IG

**G. PLANT GENERA (tick one box per first 5)**

NONE										
Bryophytes/lichens										
Emerg. broad-leaved herbs										
Emerg. reeds/scirg/rubus										
Flowering leaved (reeds)										
Frog-bitting										
Amphibians										
Submerged broad leaved										
Submerg. fan-leaved										
Filamentous algae										

SITE NO. **6488**

**H. CHANNEL DIMENSIONS AND INFLUENCES**

LEFT BANK	Banktop width (m)	<b>17.5</b>	RIGHT BANK	Banktop width (m)	
Banktop height (m)	Water width (m)	<b>11</b>	Banktop height (m)	Water depth (m)	<b>2</b>
Embankment height (m)	Water depth (m)	<b>0.75</b>	Embankment height (m)		

If transects 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 DIMENSIONS AND INFLUENCES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = **2** Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weirs? No  Yes  < 33% of site  > 33% of site

None  Overlap  Missing  Wood-cutting   
 Embankment  Other? State: \_\_\_\_\_

**J. CHANNEL DIMENSIONS AND INFLUENCES**

None  Waterfalls > 3m high  Artificial open water  Big  Other (state) \_\_\_\_\_  
 Bricked/tide channels  Natural open water  Carr   
 Debris dams  Water meadows  Marsh   
 Leafy debris  Fens  Flush

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

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other? *Neritic Rhododendron bracteosum*

**K. CHANNEL DIMENSIONS AND INFLUENCES**

Major impacts: landfill - tipping - later - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - siltation - fisheries management - silting - other? = \_\_\_\_\_

Lead Management: set aside - buffer strip - headland - abandoned land - partland - MoD - other? = \_\_\_\_\_

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

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

Address? None  Present  Extensive  (check all that apply) None  Present  Extensive

**L. CHANNEL DIMENSIONS AND INFLUENCES**

LEFT BANK	Banktop width (m)		RIGHT BANK	Banktop width (m)	
Banktop height (m)	Water width (m)		Banktop height (m)	Water depth (m)	
Embankment height (m)	Water depth (m)		Embankment height (m)		

If transects 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 DIMENSIONS AND INFLUENCES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_  
 Is water impounded by weirs? No  Yes  < 33% of site  > 33% of site

None  Overlap  Missing  Wood-cutting   
 Embankment  Other? State: \_\_\_\_\_

**N. CHANNEL DIMENSIONS AND INFLUENCES**

None  Waterfalls > 3m high  Artificial open water  Big  Other (state) \_\_\_\_\_  
 Bricked/tide channels  Natural open water  Carr   
 Debris dams  Water meadows  Marsh   
 Leafy debris  Fens  Flush

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

None  Great Hogweed  Himalayan Balsam  Japanese Knotweed  Other? \_\_\_\_\_

**O. CHANNEL DIMENSIONS AND INFLUENCES**

Major impacts: landfill - tipping - later - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - siltation - fisheries management - silting - other? = \_\_\_\_\_

Lead Management: set aside - buffer strip - headland - abandoned land - partland - MoD - other? = \_\_\_\_\_

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

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

Address? None  Present  Extensive  (check all that apply) None  Present  Extensive

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

1996 RIVER HABITAT SURVEY with 1193 most for plant species and cover. Page 1 of 4

### A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/m) Flow Category (1-10)  
 Soil geology code (Soil 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: 6484  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: TF 358557 River: WEST FENN  
 Date: 22.5.1996 Time: 12.05 Surveyor name: J. BUCKLEHAM Accreditation code: P46

Adverse conditions affecting survey? No  Yes  If yes, state

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

LFE 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 CHANNEL CHARACTERISTICS

shallow voc  concave/bowl (if U-shaped glacial valley - add 'U')   
 deep voc  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 (plus all water samples and expense claims) TO  
 P. R. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WARRERAM, B77D 6BB

1996 RIVER HABITAT SURVEY WITH SPOT CHECKS Page 2 of 4

### II. PHYSICAL ATTRIBUTES (to be checked at intervals of 10m wide reaches)

Spot check 1 to: upstream  downstream

Material (m, s, g, c, b, f, l, o, p, r, sh, m, ch)	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	S1	S1	S1	S1	S1	S1	S1	S1	S1
Substrate shape	1	1	1	1	1	1	1	1	1
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO

### III. VEGETATION

Material (m, s, g, c, b, f, l, o, p, r, sh, m, ch) 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 class and form: SL, CP, OL, NK, AC, EL, EP, RL, RL, WL, OW, RD

LAND USE WITHIN 5m OF BANKTOP (L)	S	S	S	S	S	S	S	S	S
LEFT BANK TOP (structure within 1m) BOSC	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BOSC	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BOSC	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BOSC	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	EP	EP	SM	RP	RP	RP

### IV. PLANT GENERA - Est. first 5

None									
Hydrophytic/terrestrial									
Emergent broad-leaved herbs									
Emergent sedge/straw/ragwort									
Flowering broad-leaved									
Free-floating									
Algae									
Submerged broad-leaved									
Submersive fine-leaved									
Flammulation algae									

SITE NO. 6484

### III. VEGETATION

Modified woodland (ML)									
Coniferous plantation (CP)									
Orchard (OR)									
Arable/rough (AR)									
h (SC)									
Tall herbs' and vegetation (TH)									

### IV. CHANNEL DIMENSIONS AND INFLUENCES

LEFT BANK	Banktop width (m)	17.5	RIGHT BANK	
Banktop height (m)	3.0		Water width (m)	11.0
Embanked height (m)			Water depth (m)	1.0
			Embanked height (m)	2.0

If gradient lower than banktop break is steep, 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)

### V. CHANNEL CHARACTERISTICS

Main  Number of  Culverts =  Weirs =  Outfalls = 2  Ponds =   
 Footbridges =  Roadbridges =  Other =

Is water impounded by weirs? No  Yes, <31% of the  >31% of the

### VI. CHANNEL CROSSLAND AND ASSOCIATED FEATURES

Main  Dredging  Moving  West-cutting   
 Enhancement  Other? State

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Bricks/stone channels  Natural open water  Carr   
 Debris dams  Water meadows  Marsh   
 Leafy debris  Fens  Flank

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

None  Great Floppod  Hairy-tail  Spineless Kacweed  Other? Name Rhododendron fructus

Major impacts: landfill - tipping - slag - sewage - pollution - drought - obstruction - spill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - other -

Land Management: set aside - buffer strip - landfall - abandoned land - portland - MoD - other -

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations:  
 Strongly uniform profile down. Trust bridge on right bank for a small amount of bank reinforcement work with point Road Wall along left bank too.

Flow predominant flow sequence (select up to three features): 1. U.

6484

### III. VEGETATION

Modified woodland (ML)									
Coniferous plantation (CP)									
Orchard (OR)									
Arable/rough (AR)									
h (SC)									
Tall herbs' and vegetation (TH)									

### IV. CHANNEL DIMENSIONS AND INFLUENCES

LEFT BANK	Banktop width (m)	17.5	RIGHT BANK	
Banktop height (m)	3.0		Water width (m)	11.0
Embanked height (m)			Water depth (m)	1.0
			Embanked height (m)	2.0

If gradient lower than banktop break is steep, 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)

### V. CHANNEL CHARACTERISTICS

Main  Number of  Culverts =  Weirs =  Outfalls = 2  Ponds =   
 Footbridges =  Roadbridges =  Other =

Is water impounded by weirs? No  Yes, <31% of the  >31% of the

### VI. CHANNEL CROSSLAND AND ASSOCIATED FEATURES

Main  Dredging  Moving  West-cutting   
 Enhancement  Other? State

None   
 Waterfalls > 5m high  Artificial open water  Bog  Other (state)   
 Bricks/stone channels  Natural open water  Carr   
 Debris dams  Water meadows  Marsh   
 Leafy debris  Fens  Flank

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

None  Great Floppod  Hairy-tail  Spineless Kacweed  Other? Name Rhododendron fructus

Major impacts: landfill - tipping - slag - sewage - pollution - drought - obstruction - spill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - other -

Land Management: set aside - buffer strip - landfall - abandoned land - portland - MoD - other -

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations:  
 Strongly uniform profile down. Trust bridge on right bank for a small amount of bank reinforcement work with point Road Wall along left bank too.

Flow predominant flow sequence (select up to three features): 1. U.



**1996 RIVER HABITAT SURVEY: MAIN 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. SURVEY DETAILS**

Reference network site number: **6489**  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: **YF40569** River: **FOODER DIKE**  
 Date: **2.5.1996** Time: **14:25** Surveyor name: **P. J. Lett** 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. RIFLES 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 STOLE, WAREHAM, BH20 4BB

**1996 RIVER HABITAT SURVEY: MAIN SPOT CHECKS** Page 2 of 4

**E. PHYSICAL ATTRIBUTES (to be assessed across channel width 0.1m wide transects) - one only (only)**

Spot check 1 to 10	1	2	3	4	5	6	7	8	9	10
Material (M) (M, S, G, C, B, P, F, L, E, C, S, P, M, B, J, N, D)	GA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M, P, J, S, R, P, M, B, J, N, D)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (M, P, J, S, R, P, M, B, J, N, D)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (M, P, J, S, R, P, M, B, J, N, D)	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Substrate shape (F, O, V, E, L, S, P, M, B, J, N, D)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type (F, O, V, E, L, S, P, M, B, J, N, D)	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) (M, P, J, S, R, P, M, B, J, N, D)	PS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) (M, P, J, S, R, P, M, B, J, N, D)	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 M, CP, CM, AM, SC, PM, AP, NL, WL, MW, BU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
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)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU

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

NONE / PLANT GENERA - list first 5

None	Plant Genera	1	2	3	4	5
Bryophytes/lichens						
Emergent broad-leaved herbs						
Emergent reeds/edges/rushes						
Floating-leaved (rooted)						
Free-floating						
Amphibious						
Submerged broad-leaved						
Submerged fine-leaved						
Filamentous algae						

**SITE NO. 6489**

**H. CHANNEL DIMENSIONS AND CHARACTERISTICS**

LEFT BANK	Banktop width (m)	14.00	RIGHT BANK	Banktop width (m)	12.00
Banktop height (m)	2.00	Water width (m)	10.00	Banktop height (m)	1.00
Embedded height (m)		Water depth (m)	1.00	Embedded height (m)	2.00

If width lower than banktop width on slope, indicate: width (m) =  $\frac{\text{width}(m)}{\text{slope}}$

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

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

**I. CHANNEL VEGETATION**

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

**J. CHANNEL MANAGEMENT**

None  Dredging  Moving  Weed cutting   
 Embankment  Other? State: .....

**K. CHANNEL FEATURES**

None  Waterfalls > 5m high  Artificial open water  Bug  Other (state)  
 Buried/wide channels  Natural open water  Carr   
 Debris dams  Water meadows  Marsh   
 Leafy debris  Foam  Flots

**L. CHANNEL VEGETATION**

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

**M. CHANNEL VEGETATION**

None  Over Hoopwood  Himalaya Balsam  Laplace Knotweed  Other? Nettle, Rhubarb, Redroot

**N. CHANNEL VEGETATION**

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 - abandoned land - parkland - MoD - other =

Animals: otter - mink - water vole - herring - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: **None**

**O. CHANNEL VEGETATION**

None  Present  Extensive  -> Increased Abundance/None  Present  Extensive

**H. CHANNEL DIMENSIONS AND CHARACTERISTICS**

	L	R		L	R
Broad/ripped woodland (BL)			Rough pasture (RP)		
Caulerian plantations (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)	E	E
Mountain/loam (ML)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)	E	E

**I. CHANNEL VEGETATION**

Natural/semi-natural	L	R	Artificial/modified	L	R
Vertical/recessed			Recessed		E E
Vertical + toe			Reinforced - whole bank		
Roof (> 45°)			Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
			Ponded		
			Embedded		E
			Set-back embankments		

**J. CHANNEL VEGETATION**

TRUNKS (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"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging branches	<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"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**K. CHANNEL VEGETATION**

	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 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"/>
Obd(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): **ALL**





1996 RIVER HABITAT SURVEY WITH THE MODIFIED PLANT REACTOR AND CHANNEL SPOT CHECKS 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? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6492. (11.1) QA  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: SWS84 483 River: COLWIN  
 Date: 16/5/1996 Time: 13:00 Surveyor name: N. Houlson Accreditation code: F644

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)  
 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)**

shallow vee  U 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: \_\_\_\_\_

**C. NUMBER OF POINTS**

Riffles 4 Unvegetated point bars 1  
 Pools 0 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 JAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

TE NO. 6492 1996 RIVER HABITAT SURVEY - 500M SWEEP UPSTREAM AND DOWNSTREAM WITHIN 50M OF BANK TOP

	L	R		L	R
moist/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
moorland/peat (CP)			improved/semi-improved grass (IG)		<input checked="" type="checkbox"/>
chard (CH)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
ow (OC)			Open water (OW)		
3 herbs' and vegetation (TR)			Suburban/urban development (SU)	<input checked="" type="checkbox"/>	

**D. NATURAL/UNMODIFIED**

	L	R	Artificial/modified	L	R
riol/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		
riol + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
rip (>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"/>
apodic			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

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

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present B (>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"/>
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 checked="" type="checkbox"/>	<input type="checkbox"/>

**F. WATERFALLS AND ASSOCIATED FEATURES**

	None	Present B (>33%)
Waterfall(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Canal(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ran(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bod(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): None Present Extensive

1996 RIVER HABITAT SURVEY - CHANNEL SPOT CHECKS Page 2 of 4

**CHANNEL SPOT CHECKS (tick one box per channel section)**

	1	2	3	4	5	6	7	8	9	10
Channel substrate	30	30	30	30	30	30	30	30	30	30
Substrate slope	30	30	30	30	30	30	30	30	30	30
Flow type	30	30	30	30	30	30	30	30	30	30
Channel modification(s)	30	30	30	30	30	30	30	30	30	30
Channel feature(s)	30	30	30	30	30	30	30	30	30	30

**RIGHT BANK SPOT CHECKS (tick one box per bank section)**

	1	2	3	4	5	6	7	8	9	10
Material	30	30	30	30	30	30	30	30	30	30
Bank modification(s)	30	30	30	30	30	30	30	30	30	30
Bank feature(s)	30	30	30	30	30	30	30	30	30	30

**LAND USE WITHIN 50M OF BANK TOP (L)**

	S4	S4	S4	S4	S4	S4	S4	S4	S4	S4
LEFT BANK-TOP (structure within 1m)	30	30	30	30	30	30	30	30	30	30
LEFT BANK FACE (structure)	30	30	30	30	30	30	30	30	30	30
RIGHT BANK FACE (structure)	30	30	30	30	30	30	30	30	30	30
RIGHT BANK-TOP (structure within 1m)	30	30	30	30	30	30	30	30	30	30

**LAND USE WITHIN 50M OF BANK TOP (R)**

	S4	S4	S4	S4	S4	S4	S4	S4	S4	S4
LEFT BANK-TOP (structure within 1m)	30	30	30	30	30	30	30	30	30	30
LEFT BANK FACE (structure)	30	30	30	30	30	30	30	30	30	30
RIGHT BANK FACE (structure)	30	30	30	30	30	30	30	30	30	30
RIGHT BANK-TOP (structure within 1m)	30	30	30	30	30	30	30	30	30	30

**PLANT GENERA - list first 5**

	1	2	3	4	5
None					
Bryophytes/lichens	<input checked="" type="checkbox"/>				
Emerg broad-leaved herbs					
Emerg reeds/sedges/rushes					
Floating-leaved (rooted)					
Froo-floating					
Amphibious					
Submerged broad-leaved					
Submersy fine/linear-leaved					
Filamentous algae	<input checked="" type="checkbox"/>				

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

**CHANNEL DIMENSIONS (tick one box per channel section)**

	Left Bank	Right Bank
Banktop width (m)	6.2	6.2
Banktop height (m)	1.5	1.5
Water width (m)	6.2	6.2
Banktop height (m)	1.5	1.5
Embanked height (m)	1.5	1.5
Water depth (m)	0.2	0.2
Embanked height (m)	1.5	1.5

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

Bod material at site: consolidated (compact)  unconsolidated (loose)  unknown

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

**CHANNEL INFLUENCES**

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 CHANNEL INFLUENCES**

None  Dredging  Moving  Weed cutting   
 Embankment  Other? State: \_\_\_\_\_

**CHARACTERISTICS OF SPECIAL FEATURES**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/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  Giant Hogweed  Mistletoe  Japanese Knotweed  Other? Nettle  Rhododendron bractea

**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 - dragonflies/damselflies

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

Address? None  Present  Extensive  Diseased 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 6536  
 Mid-site grid reference of network site if differs from designated location:

Grid Reference: 548306 River: SOUTON BROOK  
 Date: 4/5/1996 Time: 1:30 pm Surveyor name: Ian Heas 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 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 STONE, WAREHAM, BH20 6BB

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

TALLY (use only for RIFL) Points (lower side bars) Vep (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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<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) M0-M9	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (B) B0-B9	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (F) F0-F9	NO	NO	NO	SC	SC	SC	SC	SC	SC	SC
<b>CHANNEL</b> TICK if NEW substrate shape codes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<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 (S) S0-S9	SI	SI	SI	GP	SI	SI	SI	SI	SI	SI
Substrate shape (SH) SH0-SH9	SM	SM	SM	RP	SM	SM	SM	SM	SM	SM
Channel modification(s) (C) C0-C9	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (CH) CH0-CH9	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT 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 (M) M0-M9	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (B) B0-B9	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (F) F0-F9	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, DR, MH, SC, TH, RP, AG, FL, WE, SW

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) (L) B0/BSC	S	U	S	S	C	C	C	S	S
LEFT BANK FACE (structure) (L) B0/BSC	S	S	U	S	S	S	S	S	S
RIGHT BANK FACE (structure) (R) B0/BSC	S	S	U	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) (R) B0/BSC	S	S	S	S	C	S	C	S	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	RP

**G CHANNEL VEGETATION TYPES (10m wide transect: E = 33% area of site (total) 50% total)**

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. 6536

**LAND USE WITHIN 5m OF BANKTOP**

Broadleaved/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 / next vegetation (TH)			Suburban/urban development (SU)		

**CHANNEL VEGETATION TYPES**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/wedged			Reinforced	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		

**PERCENT 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 (2-33%)
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 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"/>	Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**CHANNEL VEGETATION TYPES**

Waterfall(s)	None	Present E (2-33%)	Marginal dead-water	None	Present E (2-33%)
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"/>
Bed(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 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

1996 RIVER HABITAT SURVEY: DIMENSIONS AND MEASUREMENTS Page 3 of 4

**CHANNEL DIMENSIONS** (measure at this station as a minimum)

<b>LEFT BANK</b>	Banktop width (m)	<u>3.1</u>	<b>RIGHT BANK</b>
Banktop height (m)	Water width (m)	<u>2.8</u>	Banktop height (m)
Embanked height (m)	Water depth (m)	<u>0.3</u>	Embanked height (m)

If tracheine 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 = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**EVIDENCE OF CHANNEL 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  Fen  Flush

**CHOKED CHANNEL (tick one box)**

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

**NOTABLE PLANT SPECIES (tick appropriate box(es))**

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

**ADVERSE IMPACTS**

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 - heathland - abandoned land - parkland - MoD other? = \_\_\_\_\_

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

Other significant observations: OBVIOUSLY RESECTIONED BROOK - NOT VERY INTERESTING  
DEAD FOX HANGING OVER FENCE QUAY ALONG BLOWN  
FRIDGE STIRRING ADJACENT FIELD AT THE TIME WITH SOME HERRING

**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)
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: 6536  
 Mid-site grid reference of network site if different from designated location: QA

Grid Reference: SJ 548305 River: SANTON BROOK

Date: 16.7.1996 Time: 18:10 Surveyor name: S.P.E.E. 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	<input type="checkbox"/> concave/bowl (if U-shaped glacial valley - add 'U')
deep vee	<input type="checkbox"/> symmetrical floodplain
gorge	<input type="checkbox"/> asymmetrical floodplain

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

DISTRIBUTION 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 expense claims TO  
 F.B. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

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

Spot check 1 is upstream	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	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type	SM	SM	NP	SU	SM	SM	SM	SM	SM	SU
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 AND VEGETATION WITHIN 5m OF BANK TOP

LAND USE WITHIN 5m OF BANK TOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
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)	U	U	S	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	TH	TH	RP	RP	RP	RP	RP	RP

PLANT GENERA (tick one box)

None										
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. 6536 1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 3 of 4

CHANNEL DIMENSIONS AND INFLUENCES (tick one box)

Broadleaved 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 - scrub vegetation (TH)			Suburban/urban development (SU)		

VERTICAL VEGETATION (tick one box)

Natural/unmodified			Artificial/modified		
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Top (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embedded		
			Set back embankments		

TREES (tick one box per bank)

None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi continuous			Pfallen trees		
Continuous			Course woody debris		

ASSOCIATED FEATURES (tick one box per feature)

Waterfall(s)			Marginal deadwater		
Overfall(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid-channel bar(s)		
Rune(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): FLUDE

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

CHANNEL DIMENSIONS AND INFLUENCES (tick one box)

LEFT BANK	Banktop width (m)	<u>13.0</u>	RIGHT BANK	Banktop width (m)	<u>13.0</u>
Banktop height (m)	Water width (m)	<u>3.0</u>	Banktop height (m)	Water width (m)	<u>1.75</u>
Embanked height (m)	Water depth (m)	<u>0.45</u>	Embanked height (m)	Water depth (m)	<u>0.45</u>

If bankline lower than banktop break in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_ (NO DIMENSIONS TL)

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

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

STRUCTURAL FEATURES (tick one box)

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

MANAGEMENT PRACTICES (tick one box)

None			Dredging			Mowing		Wood-cutting	
			Enhancement			Other? State			

CHARACTERISTICS OF LOCAL INTEREST (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		
			Leafy debris			Fen		Flask		

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

MAJOR IMPACTS (tick one box)

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? = \_\_\_\_\_

Animals: other - snail - water vole - kingfisher - gipper - grey wagtail - mead martin - heron - dragonflies/damselfly

Other significant observations: RS channel, uniform

Address? None  Present  Extensive  Decreased  None  Present  Extensive

**1996 RIVER HABITAT SURVEY with H&E 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 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 (indicate 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: TEN SPOT CHECKS** Page 2 of 4

TALLY (use H&E) 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 <u>NY,NO,LO,CO,GA,PE,CE,CC,SP,WP,GA,AR,RR,BW</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NY,NO,RS,RL,PC,BA,EM</u>	RS	RS	RS	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	NO
Channel type <u>NEW</u> Substrate shape code <u>NY,NO,LO,CO,GA,PE,CE,CC,SP,WP,GA,AR,RR,BW</u>	NV	SI	SI	QP	NV	QP	QP	QP	SI	NV
Channel substrate <u>NY,NO,CO,CP,SA,SI,CI,PE,AR</u>										
Substrate shape <u>FI,OV,EL,SP,CU,PO,IR,Others</u>										
Flow type <u>FF,CH,LM,UNE,C,CP,UP,SM,FP,NO</u>	SM	SM	SM	RP	SM	SM	SM	SM	SM	SM
Channel modification(s) <u>NY,NO,CV,AS,AL,DA,LD</u>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) <u>NY,NO,RI,MR,VR,MR,TR</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>	TICK if functional fence									
Material <u>NY,NO,LO,CO,GA,PE,CE,CC,SP,WP,GA,AR,RR,BW</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NY,NO,RS,RL,PC,BA,EM</u>	RS	RS	RS	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	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, TK, RP, KI, FL, WL, LW, 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>BL/SC</u>	S	B	B	B	B	B	B	B	B	B
LEFT BANK FACE (structure) <u>BL/SC</u>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) <u>BL/SC</u>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) <u>BL/SC</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 TYPES (tick one or more, E, S, I, U, or tick (functional) if appropriate)**

NONE / PLANT GENERA - list first 5										
Bryophytes/Algae										
Emerg broad-leaved herbs		✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg reeds/sedges/rushes		E	E	✓	✓	✓	✓	✓	✓	E
Floating-leaved (rooted)										
Free-floating										
Amphibious						✓				
Submerged broad-leaved										
Submerged fine/linear-leaved		✓	✓	E		✓	E	✓	✓	
Filamentous algae										

**SITE NO. 6537**

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Ochard (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	L	R	Artificial/modified	L	R
Vertical/undercut	✓	✓	Reconciled	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		

(Apart from the elevated railway bridge, the reinforcement needed to solve very old (60 years) looking gabions by the river)

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

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)
None			Shading of channel <input type="checkbox"/> Present E (≥ 25%) <input type="checkbox"/>
Isolated/scattered			Overhanging boughs <input type="checkbox"/> <input type="checkbox"/>
Regularly spaced, single			Exposed bankside roots <input type="checkbox"/> <input type="checkbox"/>
Occasional clumps		✓	Underwater tree roots <input type="checkbox"/> <input type="checkbox"/>
Semi-continuous			Fallen trees <input type="checkbox"/> <input type="checkbox"/>
Continuous			Course woody debris <input type="checkbox"/> <input type="checkbox"/>

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

**1996 RIVER HABITAT SURVEY: DIMENSIONS AND INNOVATIONS** Page 2 of 4

**H CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m) <u>1.5</u>	9.50	Banktop height (m) <u>2.0</u>
Water width (m) <u>5.75</u>		Banktop height (m) <u>2.0</u>
Water depth (m) <u>0.2</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)

**I CHANNEL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <13% of site  >13% of site

**J CHANNEL MANAGEMENT**

None  Dredging  Mowing  Wood cutting   
 Embankment  Other? State \_\_\_\_\_

**K CHANNEL OBSTACLES (ALTERNATE) (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  Flea  Flurb

**L 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

**M CHANNEL 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? = \_\_\_\_\_

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

Other significant observations: River flows shallow (WEA/ENR AGC) with very shallow very restricted channel with very little material of debris.

**N CHANNEL ALTERS (tick appropriate)**

Alters? None  Present  Extensive  Damaged Alters? None  Present  Extensive





**WATER QUALITY SURVEY DATA SHEET**

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 \_\_\_\_\_

Reference network site number: **6567**  
 Mid-site grid reference of network site (if different from designated location): \_\_\_\_\_

Grid Reference: **SJ 293223** River: **MORDA**  
 Date: **6/6/1996** Time: **17:10** Surveyor name: **A. HEATEN**  
 Accredited Surveyor? No  Yes  If yes, state number: **PF18**  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 Duplicate photographs: general character? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**CHANNEL CROSS SECTION**

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

Terraced valley floor? No  Yes

Obstructions: riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B1130 688

**RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES**

Spot check 1 is of: upstream end  downstream end  of site (tick one box)

**CHANNEL DIMENSIONS**

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 substrate	S14	S7	S7	S7	S7	S7	S7	S7	S7	S7
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
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)	NS	NO	NO	NO	NO	NO	NO	NO	NO	NO

Land use: choose one from RL, CL, CR, AR, TR, SR, NR, SL, DL, OR, UR

**LAND USE WITHIN 5m OF BANKTOP**

Left Bank-Top	19	19	19	19	19	19	19	19	19	19
Left Bank Face	U	U	U	U	U	U	U	U	U	U
Right Bank Face	U	U	U	U	U	U	U	U	U	U
Right Bank-Top	U	U	U	U	U	U	U	U	U	U

**BIOTIC INDICATORS**

NONE										
Liverworts/mosses/lichens										
Emergent broad-leaved beds										
Emergent reeds/cattails/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Plumose algae										

Use and 'tick-all' entries for types not occurring in spot checks as well as overall assessment of 50m (see 5 or 6)

**RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES**

**CHANNEL DIMENSIONS**

Left Bank	Backstop width (m)	9.5	Right Bank		
Backstop height (m)	3.0	Water width (m)	5.7	Backstop height (m)	2.5
Embankment height (m)		Water depth (m)	0.3	Embankment height (m)	

If bankline lower than backstop bank in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_  
 Bed material at site is: unconsolidated (messed)  unconsolidated (good)  unknown

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

**VEGETATION**

Name:  Number of Occurrences: \_\_\_\_\_ Water: \_\_\_\_\_ Bankside: \_\_\_\_\_ Outfalls: \_\_\_\_\_ Ponds: \_\_\_\_\_  
 Percentage of bankside: \_\_\_\_\_ Percentage of site: \_\_\_\_\_ Other: **4 CATTLE** (Other: \_\_\_\_\_)  
 Is water impounded by vegetation? No  Yes: 33% of site  33% of site

**EVIDENCE OF**

None  Drifted  Moving  Wind-cutting   
 Embankment  Other? Run

**CHANNEL FEATURES**

Name:  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brashed/side channels  Natural open water  Cut   
 Oblique dams  Water meadow  Marsh   
 Leafy debris  Ice  Fish

**WOODS**

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

**WOODS**

None  Oak  Birch  Hawthorn  Japanese Knotweed  Other? \_\_\_\_\_

**MAJOR IMPACTS**

landfill  tipping  solar  storage  extraction  dredging  extraction  mill  dam  road  full industry  housing  mining  quarrying  participation  afforestation  substrate management  silting

Land Management: set aside  buffer strip  headland  abandoned land  pasture  MoD

Animals: otter  mink  water vole  kingfisher  dipper  grey wagtail  meadow pipit  heron  dragonfly/damselfly

Other significant observations: **SEALED**

Alters? None  Present  Extensive  Downed Alters? None  Present  Extensive

**RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES**

**CHANNEL DIMENSIONS**

Left Bank	Backstop width (m)	9.5	Right Bank		
Backstop height (m)	3.0	Water width (m)	5.7	Backstop height (m)	2.5
Embankment height (m)		Water depth (m)	0.3	Embankment height (m)	

If bankline lower than backstop bank in slope, indicate: height (m) = \_\_\_\_\_ width (m) = \_\_\_\_\_  
 Bed material at site is: unconsolidated (messed)  unconsolidated (good)  unknown

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

**VEGETATION**

Name:  Number of Occurrences: \_\_\_\_\_ Water: \_\_\_\_\_ Bankside: \_\_\_\_\_ Outfalls: \_\_\_\_\_ Ponds: \_\_\_\_\_  
 Percentage of bankside: \_\_\_\_\_ Percentage of site: \_\_\_\_\_ Other: **4 CATTLE** (Other: \_\_\_\_\_)  
 Is water impounded by vegetation? No  Yes: 33% of site  33% of site

**EVIDENCE OF**

None  Drifted  Moving  Wind-cutting   
 Embankment  Other? Run

**CHANNEL FEATURES**

Name:  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brashed/side channels  Natural open water  Cut   
 Oblique dams  Water meadow  Marsh   
 Leafy debris  Ice  Fish

**WOODS**

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

**WOODS**

None  Oak  Birch  Hawthorn  Japanese Knotweed  Other? \_\_\_\_\_

**MAJOR IMPACTS**

landfill  tipping  solar  storage  extraction  dredging  extraction  mill  dam  road  full industry  housing  mining  quarrying  participation  afforestation  substrate management  silting

Land Management: set aside  buffer strip  headland  abandoned land  pasture  MoD

Animals: otter  mink  water vole  kingfisher  dipper  grey wagtail  meadow pipit  heron  dragonfly/damselfly

Other significant observations: **SEALED**

Alters? None  Present  Extensive  Downed Alters? None  Present  Extensive



**1996 RIVER HABITAT SURVEY**

**A. BACKGROUND MAT-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: 6569  
 Mid-tic grid reference of network site (if different from designated location): \_\_\_\_\_

Grid Reference: SJ 462272 River: Sloop Brook EA  
 Date: 6/5/1996 Time: 10:10 Surveyor name: Bill Stone

Accredited Surveyor? No  Yes  If yes, state number \_\_\_\_\_

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

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

Duplicate photographs: general character? 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

**D. NUMBER OF RIPPLES, POOLS AND POINT BARS (tick one box)**

Ripples: A Unvegetated point bars \_\_\_\_\_  
 Pools: \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORM TO BUCH DAWSON, IPE, RIVER LABORATORY, EAST STOKES, WAREHAM, B87H 4BB

**1996 RIVER HABITAT SURVEY SPOT CHECKS** Page 2 of 2

Spot check 1 is at: upstream end  downstream end  of site (tick one box)

**LEFT BANK**

Material	1	2	3	4	5	6	7	8	9	10
Bank modification(s)	R	R	N	N	N	N	N	N	N	N
Bank feature(s)	N	N	N	N	N	N	N	N	N	N

**CHANNEL**

Channel substrate	1	2	3	4	5	6	7	8	9	10
Flow type	S	S	S	S	S	S	S	S	S	S
Channel modification(s)	R	N	N	N	N	N	N	N	N	N
Channel feature(s)	N	N	N	N	N	N	N	N	N	N

**RIGHT BANK**

Material	1	2	3	4	5	6	7	8	9	10
Bank modification(s)	R	N	N	N	N	N	N	N	N	N
Bank feature(s)	N	N	N	N	N	N	N	N	N	N

**LAND USE AND VEGETATION STRUCTURE**

Land use: choose one from BL, CP, OH, MH, SC, TH, SF, AG, IL, 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) BAUSC	U	U	U	U	S	R	U	U	U	U
LEFT BANK FACE (structure) BAUSC	S	U	U	U	S	R	U	U	U	U
RIGHT BANK FACE (structure) BAUSC	S	R	S	S	S	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) BAUSC	S	R	S	S	U	R	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (Q)	U	S	R	S	U	R	U	U	U	U

**CHANNEL VEGETATION TYPES**

NONE										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged float-leaved										
Filamentous algae										

Use and 'tick-all' columns for types not occurring in spot checks as well as overall assessment over 90m (see E or F)

**1996 RIVER HABITAT SURVEY 30m SWEEP-UP** Page 2 of 2

Site No: 6569

**I. LAND USE WITHIN 50m OF BANKTOP (tick one box)**

	L	R		L	R
Brown/deciduous woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/maintained 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)		

**II. BANK PROFILES (tick one box)**

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

**III. 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			Understorey vegetation		
Semi continuous			Open grassland		
Continuous			Competition		

**IV. VEGETATION OF CHANNEL FEATURES (tick one box)**

	None	Present E (≥33%)
Waterfall(s)		
Cascade(s)		
Rapid(s)		
Riffle(s)		
Ran(s)		
Bank(s)		
Glade(s)		
Pool(s)		

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

**1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES** Page 2 of 2

**I. CHANNEL DIMENSIONS (tick one box)**

LEFT BANK	Banktop width (m)	3.0	RIGHT BANK
Banktop height (m)	0.5	Water width (m)	2.5
Embanked height (m)		Water depth (m)	0.15
		Embanked height (m)	

If tradeline lower than banktop break in slope, indicate: height (m) = 1.0 width (m) = 3.0

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

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

**II. ADDITIONAL FEATURES (tick one box)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Ponds = \_\_\_\_\_  
 Footbridges = \_\_\_\_\_ Roadbridges = \_\_\_\_\_ Other = 2 drinking access

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

**III. EVIDENCE OF CHANNEL MANAGEMENT (tick one box)**

None  Dredging  Moving  Wood-cutting   
 Enhancement  Other? State: Intentional bank erosion

**IV. NATURE OF CHANNEL (tick one box)**

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

**IS 33% OR MORE OF THE CHANNEL CHOKED WITH VEGETATION?** NO  YES

**OTHER SIGNIFICANT OBSERVATIONS**

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

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - siltage

Land Management: no aside - buffer strip (headland) - abandoned land - parkland - MoD

Animals: otter - mink - water vole - Kingfisher - grey wagtail - meadow martin - heron - dragonflies/damselflies

Other significant observations: that point to concrete laid down on bank and into watercourse shows signs of setting up vegetation on impounding into it

**ALDERS (tick one box)**

Alibers? None  Present  Extensive  Decayed Alders? None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ 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: 6569 QA

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

Grid Reference: SJ 462272 River: SLEAP BROOK

Date: 7.7.1996 Time: 08.30 Surveyor name: N. FRIEVE Accreditation code: 19F12

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


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

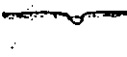
IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be made by scanning)

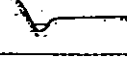
and, as required, special feature? No  Yes  (tick one box)

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 RIPPLES, POOLS AND POINT BARS** (indicate total number)

Ripples 16 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 STOLE, WAREHAM, BR 10 6BB

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

Spot checked in upstream ↓ downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK (structure within 1m)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
RIGHT BANK (structure within 1m)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RI	RS	RS	RS	RS	RS	RS	RS	RS	RS
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	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
<b>RIGHT BANK</b> (structure within 1m)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RI	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**III BANKTOP LAND USE AND VEGETATION STRUCTURE** (to be assessed every 5m wide transect)

Land use: choose one from BL, CL, OL, HIL, K, TH, RP, RL, GL, OF, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TH	TL	TL	BL	K	TH	K	GL	IS
LEFT BANK-TOP (structure within 1m)	U	U	U	U	S	U	U	U	U	U
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	C	C	C	C	S	C	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	S	S	S	S	U	S	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	TL	TH	TL	TH	TH	TL	TL	TL	TL

**IV CHANNEL VEGETATION TYPES** (tick one box)

NONE  PLANT GENERA - list first 5 \_\_\_\_\_

TYPE	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent needle-leaved herbs										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

**LAND USE WITHIN 50m OF BANKTOP** (tick one box)

	L	R		L	R
Deciduous woodland (BL)			Rough pasture (RP)		
Grass plantation (CP)			Improved/semi-improved grass (IG)		
Arable (AR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Barren/rock vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/SEMI-NATURAL** (tick one box)

	L	R	Artificial/modified	L	R
all/woodland			Renaissance		
all + loc (>45°)			Reinforced - whole bank		
Grass			Reinforced - top only		
Grass			Reinforced - toe only		
Grass			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankments		

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

	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/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"/>

**WATERFALLS AND ASSOCIATED 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"/>
Overfalls(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 type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Older(s)	<input type="checkbox"/>	<input checked="" 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"/>

Its predominant flow sequence (select up to three features): RIFPLE RUNS

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

LEFT BANK	Banktop width (m)	3.1	RIGHT BANK	Banktop width (m)
Banktop height (m)	0.6		Banktop height (m)	0.7
Embanked height (m)			Embanked height (m)	

If (grading 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 = \_\_\_\_\_  
 Roadbridges = \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**VEGETATION CROPPING/MAINTENANCE**

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

**OPERATORS 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  Flea  Flush

**WOOD CHANNEL**

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

**WOOD CHANNEL**

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

**MAJOR IMPACTS**: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - (tick one box) afforestation - fisheries management - silting - other? = \_\_\_\_\_

Lead Management: set aside  buffer strip  headland  abandoned land  parkland  MoD  other? = \_\_\_\_\_

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - east martin - heron - dragonfly/damselfly

Other significant observations: RS channel, mostly in form of 12m x 2m  
Wade near 2 Dis on

Abandon? None  Present  Extensive  Overused Abandon? 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 Planform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6741  
 Mid-site grid reference of network site if differs from designated location:

Grid Reference River: NENE  
 Date: 1.11.1996 Time: Surveyor name: PHENIX 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 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 Diff for riffles) Pools Unveg side bars Veg point bars

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

Spot check 1-10 upstream ↓ downstream ↑	1	2	3	4	5	6	7	8	9	10
Left bank vegetation (tick if functional)	EA	EA	CL	CL	CL	CL	CL	EA	EA	CL
Material	EA	EA	CL	CL	CL	CL	CL	EA	EA	CL
Bank modification(s)	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Bank feature(s)	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Channel substrate	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Substrate shape	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Channel modification(s)	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Channel feature(s)	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
<b>RIGHT BANK</b> TICE if functional	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Bank feature(s)	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE

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

Land use: choose one from BL, CP, OR, MH, SC, TH, RP, RL, FL, MW, SW

LAND USE WITHIN 5m OF BANKTOP (L)	BL	CP	OR	MH	SC	TH	RP	RL	FL	MW	SW
LEFT BANK TOP (structure within 1m) BUIS/C											
LEFT BANK FACE (structure) BUIS/C											
RIGHT BANK FACE (structure) BUIS/C											
RIGHT BANK TOP (structure within 1m) BUIS/C											
LAND USE WITHIN 5m OF BANK TOP (R)											

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

NONE / PLANT GENERA - list first 5

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. 6341

**LAND USE AND 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"/>
Orchard (OR)			Tiled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		<input checked="" type="checkbox"/>
Scrub (SC)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Open water (OW)		
Tall herbs' reed vegetation (TH)	<input checked="" type="checkbox"/>		Suburban/urban development (SU)		<input checked="" type="checkbox"/>

**ARTIFICIAL/MODIFIED**

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

Waterfall(s)	None	Present E (≥33%)	Marginal 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input 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): 1 2 3

**DOORIVER HABITAT SURVEY: DIMENSIONS AND REFERENCES**

**CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	19.50	RIGHT BANK
Banktop height (m)	0.20	Water width (m)	18.0
Embanked height (m)		Banktop height (m)	0.60
		Water depth (m)	NK
		Embanked height (m)	

If transverse 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 ATTRIBUTES**

None  Number of Culverts = Weirs = Outfalls = Fords =  
 Foodbridges = Roadbridges = Other = Spill way

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

**VEGETATION 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):  
 Branched/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Foc  Flush

**CHOKED CHANNEL**

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

**OBSTACLES TO FISH PASSAGE (tick one box per feature)**

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

**MAJOR IMPACTS**

landfill - tipping - litter - sewage pollution - drought - abstraction - still - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - silting - other? =

Land Management: set-back - buffer strip - bedload - abandoned load - parkland - MoD - other? =

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

Other significant observations: Deep channel near right bank has small c. 0.5m embankment  
 underlying dredging of main line left bank with plywood causeway and willows.  
 Channel c. 2m deep at bank, pool indicates clay substrate.

**SCALEDS (tick appropriate)**

Alders? None  Present  Extensive  Increased Alder? None  Present  Extensive

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

Reference network site number **6741**  
 Mid-site grid reference of network site if different from designated location: **QA**

Grid Reference: **TLO08832** River: **NENE**  
 Date: **11/17/1996** Time: **18:30** Surveyor name: **CRIVE** 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)  
 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. PRESENCE OF RIPPLES, POOLS, OR POINT BARS (tick one box only)**

Ripples  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

**II PHYSICAL ATTRIBUTES (to be assessed across channel, within 2m wide transects) - one only only**

Spec check 1 is upstream 2 downstream	1	2	3	4	5	6	7	8	9	10
Material	FA	SA	EA	EA	CL	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	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape	FL	OV	EL	SP	CU	PO	BL	Other		
Flow type	RP	CH	SH	OV	CS	AF	UP	SH	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

**III BANKTOP LAND USE AND VEGETATION STRUCTURE (tick one box only)**

Land use: choose one from BL, CP, OR, NH, SC, TH, RP, G, 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) BUBSC	U	S	S	S	S	U	S	U	S	S
LEFT BANK FACE (structure) BUBSC	U	U	S	U	U	U	C	U	U	S
RIGHT BANK FACE (structure) BUBSC	S	S	B	U	U	U	S	S	S	U
RIGHT BANK-TOP (structure within 1m) BUBSC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	SC	IS	IS	IS	IS	IS	IS	IS

**IV CHANNEL VEGETATION (tick one box only)**

NONE / PLANT GENERA - list first 3	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										

**III BANKTOP LAND USE AND VEGETATION STRUCTURE (tick one box only)**

LAND USE WITHIN 5m OF BANKTOP (L)	L	R	LAND USE WITHIN 5m OF BANKTOP (R)	L	R
Broadleaf/mixed woodland (BL)			Rough pasture (RP)		
Caulerous 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)		

**IV CHANNEL VEGETATION (tick one box only)**

Natural/unmodified	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 embankments		

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

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present	E (2.33%)
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			

**VEGETATION CHARACTERISTICS (tick one box per feature)**

Waterfall(s)	None	Present	E (2.33%)	Marginal deadwater	None	Present	E (2.33%)
Cascade(s)				Exposed bedrock (CLAN)			
Rapid(s)				Exposed boulders			
Riffle(s)				Unvegetated mid channel bar(s)			
Ran(s)				Vegetated mid channel bar(s)			
Boil(s)				Mature island(s)			
Obd(s)				Unvegetated side bar(s)			
Pool(s)				Vegetated side bar(s)			

Indicate predominant flow sequence (select up to three features): **SL - R (A)**

**III CHANNEL DIMENSIONS AND INFLUENCES: Page 4 of 4**

LEFT BANK	Banktop width (m)	20.0	RIGHT BANK	Banktop width (m)	20.0
Banktop height (m)	0.6	Water width (m)	19.5	Banktop height (m)	0.6
Embankment height (m)		Water depth (m)	NK	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: effluve  run or glide  other  (tick one box)

**IV CHANNEL VEGETATION (tick one box only)**

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

**VEGETATION MANAGEMENT (tick one box only)**

None  Dropping  Mowing  Wood cutting   
 Enhancement  Other? Stake

**VEGETATION CHARACTERISTICS (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	

Is 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?  *Phytolacca berlandieri*

**MAJOR IMPACTS (tick one box per feature)**

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 - landfilled - abandoned land - partitioned - MoD - other? =

Animals: otter - minnow - water vole - lungfish - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: **Slow moving channel - no vegetation - no fish**

Alders? None  Present  Extensive  Damaged Alders? None  Present  Extensive







**1996 RIVER HABITAT SURVEY** 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: 6827 PHOTOS: 24, 23  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: TL 793607 River: CANENNAM STREAM  
 Date: 21/12/1996 Time: 10:00am Surveyor name: GARY MURPHY  
 Accredited Surveyor? No  Yes  If yes, state number: P?F 015  
 Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 Duplicate photographs: general character? 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

**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 FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH10 4BB

**1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS** Page 2 of 4

Spot check 1 is at upstream end and 10 downstream end of site (tick one box)

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

one entry only

	1	2	3	4	5	6	7	8	9	10		
<b>LEFT BANK</b>												
Material	EA	EA	EA	EA					GA	GA	GA	GA
Bank modification(s)	RS	RS	RS	RS					RS	RS	RS	RS
Bank feature(s)	NC	NC	NC	NC					NC	NC	NC	NC
<b>CHANNEL</b>												
Channel substrate	W	GP	W	GP					GP	SI	GP	SI
Flow type	NC	NC	NC	NC					NC	NC	NC	NC
Channel modification(s)	RS	RS	RS	RS					RS	RS	RS	RS
Channel feature(s)	NC	NC	NC	NC					NC	NC	NC	NC
<b>RIGHT BANK</b>												
Material	W	EA	EA	EA					GA	GA	GA	GA
Bank modification(s)	RS	RS	RS	RS					RS	RS	RS	RS
Bank feature(s)	NC	NC	NC	NC					NC	NC	NC	NC

**F. LAND USE WITHIN 5m OF BANKTOP (L)**

	TL	TL	TL	TL	SU	SU	SU	SU
<b>LEFT BANK TOP (structure within 1m)</b>	U	U	U	U				
<b>LEFT BANK FACE (structure)</b>	C	S	U	S				
<b>RIGHT BANK FACE (structure)</b>	S	S	C	U				
<b>RIGHT BANK TOP (structure within 1m)</b>	U	S	U	U				
<b>LAND USE WITHIN 5m OF BANK TOP (R)</b>	RP	RP	RP	SU				

**G. CHANNEL VEGETATION (YES = presence over a 1m wide transect; NO = absence or < 2% cover or < 10% present)**

	1	2	3	4	5	6	7	8	9	10
NONE										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m (see E or F)

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

**H. LAND USE WITHIN 50m OF BANKTOP (Yes = > 2% presence over a 1m wide transect; No = < 2% presence or < 10% present)**

	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)	
Orchard (OR)			Tilled land (TL)	<input checked="" type="checkbox"/>
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)	
Scrub (SC)	<input checked="" type="checkbox"/>		Open water (OW)	
Tall herbs - reed vegetation (TH)			Suburban/urban development (SU)	<input checked="" type="checkbox"/>

**I. BANK PROFILES**

	L	R	L	R
Natural/unmodified			Artificial/modified	
Vertical/rockcut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Renaissance	<input checked="" type="checkbox"/>
Vertical + toe			Reinforced - whole bank	<input checked="" type="checkbox"/>
Slope (> 45°)			Reinforced - top only	
Grade			Reinforced - toe only	
Composite			Artificial two-stage	
			Poached	
			Embedded	
			Soil-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 (> 1%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/occasional	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input checked="" type="checkbox"/>	<input checked="" 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. EXTENT OF CHANNEL FEATURES (tick one box per feature)**

	None	Present E (> 1%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Caecid(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"/>
Bowl(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Marginal deadwater	<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"/>
Minor 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)

**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	RIGHT BANK
Banktop width (m) <u>4.0</u>	Banktop width (m) <u>3.5</u>
Banktop height (m) <u>1.75</u>	Banktop height (m) <u>1.75</u>
Water width (m) <u>1.5</u>	Water width (m) <u>1.5</u>
Water depth (m) <u>0</u>	Water depth (m) <u>0</u>
Embanked height (m) <u>0</u>	Embanked height (m) <u>0</u>

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

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

Location of measurement is: riffle  run or glide  other  (tick one box) 1227

**M. ARTIFICIAL FEATURES**

None  Number of Culverts = 2 Weirs = 0 Outfalls = 1 Fords = 0  
 Footbridges = 0 Roadbridges = 2 Other = 0

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

**N. EVIDENCE OF RECENT MANAGEMENT**

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

**O. FEATURES OF SPECIAL INTEREST**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bruided/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. NOTABLE NUISANCE PLANTS**

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

**R. OVERALL CHARACTERISTICS**

Major impacts: landfill - tipping - litter - sewage - pollution (drough) abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - siting

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD

Animals: otter - mink - water vole - Kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: DRUGS UP STREAM

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

Alders? None  Present  Extensive  Choked Alders? None  Present  Extensive

**MAP-BASED INFORMATION**

Map scale: 1:50,000  
 Date of map: 1996  
 Source: USGS  
 Projection: UTM  
 Datum: NAD 83

**FIELD SURVEY DETAILS**

Reference network site number: **6827**  
 Mid-site grid reference of network site if different from designated location: **QA**

Grid Reference: **TL 773607** River: **CAMNHAM STREAM - LARK**

Date: **10/11/96** Time: **12:35** Surveyor name: **G. COLLETT** Accreditation code: **1510**

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

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 screening) 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 - odd "U")  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

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

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

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

**COMPLETED FORMS WEEKLY plus all water samples and exposure claims TO DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BNN 688**

**1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES** Page 2 of 4

**L CHANNEL DIMENSIONS** (to be measured at one site not in straight and/or section, preferably across a riffle)

LEFT BANK	TICK IF FUNCTIONAL FORM	RIGHT BANK	TICK IF FUNCTIONAL FORM
Material: <b>EA</b>		Material: <b>EA</b>	
Bank modification(s): <b>RS</b>		Bank modification(s): <b>RS</b>	
Bank failure(s): <b>NO</b>		Bank failure(s): <b>NO</b>	

**CLEANING** NEW  **Channel substrate:** **SA GP CU**  
**Channel shape:** **NA TR NA NA HA NA NA NA NA**  
**Flow type:** **NP NP NO**  
**Channel modification(s):** **NO**  
**Channel failure(s):** **NO**

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

Land use: choose one from **AL, CL, CR, SC, TR, IC, RL, DL, OW, W**

LAND USE WITHIN 5m OF BANKTOP (L)	<b>TL</b>								
LEFT BANK TOP (structure within 5m) <b>ANSC</b>	<b>S S S B U</b>								
LEFT BANK FACE (structure) <b>ANSC</b>	<b>S U U S U U U U S B</b>								
RIGHT BANK FACE (structure) <b>ANSC</b>	<b>S U U S U U U U S S</b>								
RIGHT BANK TOP (structure within 5m) <b>ANSC</b>	<b>S U U S U</b>								
LAND USE WITHIN 5m OF BANK TOP (R)	<b>SU SU SC IG IG IG IG</b>								

**G CHANNEL VEGETATION TYPES** (to be measured over a 10m wide transect)

NONE  PLANT GENERA - list here: **Algae**

Bryophytes/lichens: **1 ALGAE**

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: DIMENSIONS AND INFLUENCES** Page 3 of 4

**L CHANNEL DIMENSIONS** (to be measured at one site not in straight and/or section, preferably across a riffle)

LEFT BANK	Banktop width (m): <b>2.5</b>	RIGHT BANK
Banktop height (m): <b>1.0</b>	Water width (m): _____	Banktop height (m): <b>1.0</b>
Embedded height (m): _____	Water depth (m): _____	Embedded height (m): _____

If available: lower than banktop level at 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)

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

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = **2** 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))

None  Dredging  Mowing  Weed cutting   
 Enhancement  Other? Stone

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

None   
 Weirfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bridged/rick channels  Natural open water  Carr   
 Debris dams  Water meadows  Marsh   
 Leafy debris  Fens  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? (tick)

**R OVERALL CHARACTERISTICS** (Circle appropriate number, add others as appropriate)

Major impacts: landfill, logging, litter, sewage, pollution, drought, obstruction, mill, dam, road, and industry, housing, mining, quarrying, overgrazing, afforestation, habitat management, other: \_\_\_\_\_

Land Management: set aside, buffer strip, broadleaf, abandoned land, parkland, MoD, other: \_\_\_\_\_

Animals: otter, mink, water vole, kingfisher, dipper, grey wagtail, mud snail, brown dragonfly/damselfly

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

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

Alken's Name: \_\_\_\_\_ Present: \_\_\_\_\_ Extinct: \_\_\_\_\_  
 Drowned Address: Name: \_\_\_\_\_ Present: \_\_\_\_\_ Extinct: \_\_\_\_\_

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

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

None	Left	Right	None	Present	E (2/3/5)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging banks	<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 checked="" 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"/>

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

None	Left	Right	None	Present	E (2/3/5)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal food-water	<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 mud channel bank(s)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mud channel bank(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 silt bank(s)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated silt bank(s)	<input type="checkbox"/>	<input type="checkbox"/>

**DOMINANT FLOW SEQUENCE** (tick up to three features)

**1996 RIVER HABITAT SURVEY** Page 1 of 4

**A. BACKGROUND/MAJOR-BASED INFORMATION**

Altitude: \_\_\_\_\_ Skgs (m/ft): \_\_\_\_\_ Flow category (1-10): \_\_\_\_\_  
 Soil geology code: \_\_\_\_\_ Dist. geology code: \_\_\_\_\_ Maximum category: \_\_\_\_\_  
 Distance from source (km): \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m): \_\_\_\_\_ Water Quality Class: \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: 6828 PHOTOS 22, 21  
 Mid-site grid reference of network site (if differs from designated location): \_\_\_\_\_

Grid Reference: \_\_\_\_\_ River: CULFORD STREAM  
 Date: 21/6/1996 Time: 12:00pm Surveyor name: GARY MURPHY

Accredited Surveyor? No  Yes  If yes, state number: \_\_\_\_\_

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

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

Duplicate photographs: general character? No  Yes  (tick one box)

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

**C. PREDOMINANT VALLEY FORMS (tick one box)**

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

Terraced valley floor? No  Yes

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

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORM TO HUGH DAWSON, IFL, RIVER LABORATORY, EAST STOKES, WAREHAM, BH10 6BB

Page 2

Spot check 1  upstream end  downstream end  of the site (see box)

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

1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>									
Material	GA	GI	GA	GI	GA	GI	GA	GI	
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	
Bank feature(s)	AC	AC	NO	NO	NO	NO	NO	NO	
<b>CHANNEL</b>									
Channel substrate	GP	NP	GP	GP	GP	CO	GP		
Flow type	SM	SM	SM	SM	SM	UN	SM		
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS		
Channel feature(s)	AC	AC	NO	NO	NO	NO	NO		
<b>RIGHT BANK</b>									
Material	NW	GA	GI	GA	GI	GA	GI		
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS		
Bank feature(s)	AC	AC	NO	NO	NO	NO	NO		
<b>LAND USE WITHIN 5m OF BANKTOP (L)</b>									
LEFT BANK-TOP (structure within 1m) BAIGC	U	B	U	U	U	U	U		
LEFT BANK FACE (structure) BAIGC	U	U	S	S	S	U	U		
RIGHT BANK FACE (structure) BAIGC	C	U	S	S	S	U	U		
RIGHT BANK-TOP (structure within 1m) BAIGC	C	U	U	U	U	U	U		
LAND USE WITHIN 5m OF BANK TOP (R)	RP	TL	TL	TL	TL	IG	IG		
<b>F. CHANNEL VEGETATION (tick one box)</b>									
NONE	<input checked="" type="checkbox"/>								
Liverworts/mosses/lichens									E
Emergent broad-leaved herbs									
Emergent reeds/sedges/rushes									L
Floating-leaved (rooted)									
Free-floating									D
Amphibians									
Submerged broad-leaved									
Submerged fine/linear-leaved									
Filamentous algae									

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or L)

**SITE NO.** 1996 RIVER HABITAT SURVEY, 500m SVEEP UP, 21/6/96, 3/1/96, 3/1/96, 3/1/96 Page 3 of 4

**H. LAND USE WITHIN 5m OF BANKTOP (tick one box)**

	L	R		L	R
Broadleaved woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/unimproved grass (IG)	F	E
Orchard (ON)			Tilled land (TL)	E	E
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)			Suburban/urban development (SU)		

**I. BANK TYPES (tick one box)**

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

**J. TYPES 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)
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 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"/>
			Concre woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**K. EXTENT OF CHANNEL FEATURES**

	None	Present E	None	Present E (2/3/5)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal ditch/weir	<input checked="" 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 checked="" type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>
Scill(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Minor island(s)	<input checked="" type="checkbox"/>
Glade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>

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

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

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

LEFT BANK	Backtop width (m)	5-5	RIGHT BANK
Backtop height (m)	1.5		Backtop height (m)
Embanked height (m)			Embanked height (m)
Water width (m)	2.5		Water depth (m)
Water depth (m)			Embanked height (m)

If unstable lower than backtop 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 OBSTACLES (tick one box)**

None  Number of Culverts = 1 Weirs = 0 Outfalls = 0 Ponds = 0  
 Footbridges = 2 Roadbridges = 1 Other = 0

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

**N. EVIDENCE OF RECREATION (tick one box)**

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

**O. FEATURES OF SPECIAL INTEREST (tick one box)**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bridged/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

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

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

**Q. OTHER SIGNIFICANT FEATURES (tick one box)**

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

**R. GOVERNMENT INTERESTS (tick one box)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fabric management ALLEN AGRICULTURE

Land Management: set-aside - buffer strip - heathland - abandoned land - parkland - M&D

Animals: otter - seal - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: STRAIGHT, SILTED UP RIVER  
GULL IN FIELD SO DIDNT GO LAST 3/9/96  
CHICKS

**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: 6828 Mid-site grid reference of network site if different from designated location: QA

Grid Reference: L 84 T 697 River: CULFORD STREAM - RIVER LARK

Date 6.16.1996 Time 16:30 Surveyor name (4) TOLLET Accreditation code: 150

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

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

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be 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 \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 F. R. DARSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

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

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

Spot check 1 is upstream of downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK (if functional fence)										
Material (W, M, S, C, G, F, P, L, O, CC, P, V, CA, MA, B, R)	EA	EA	EA	EA	GS	EA				
Bank modification(s) (M, H, R, P, C, B, M, E, N)	RS	RS	RS	RS	NO	RS	RS			
Bank feature(s) (W, M, S, C, G, F, P, L, O, CC, P, V, CA, MA, B, R)	NO									
CHANNEL * - NEW (S, M, C, G, F, P, L, O, CC, P, V, CA, MA, B, R)										
Channel substrate (W, M, S, C, G, F, P, L, O, CC, P, V, CA, MA, B, R)	SI	SI	SI	SI	GP	SI	SA	SI		
Substrate shape (FL, OV, EL, DP, CU, FO, RL, Othrs - see)	NA	A	A	YA	R	NA	NA	NA	NA	NA
Flow type (FF, CH, SH, UN, CF, RP, UP, SH, M, R, D)	SM									
Channel modification(s) (M, H, R, P, C, B, M, E, N)	NO									
Channel feature(s) (W, M, S, C, G, F, P, L, O, CC, P, V, CA, MA, B, R)	NO									
RIGHT BANK TICK (if functional fence)										
Material (W, M, S, C, G, F, P, L, O, CC, P, V, CA, MA, B, R)	EA	CA	CA	CA	GS	CA				
Bank modification(s) (M, H, R, P, C, B, M, E, N)	RS	RS	RS	RS	NO	RS	RS			
Bank feature(s) (W, M, S, C, G, F, P, L, O, CC, P, V, CA, MA, B, R)	NO									

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

Land use: choose one from (L, C, O, M, R, S, T, H, R, P, G, L, W, O, S)

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) (M, H, R, P, C, B, M, E, N)										
LEFT BANK FACE (structure) (M, H, R, P, C, B, M, E, N)										
RIGHT BANK FACE (structure) (M, H, R, P, C, B, M, E, N)										
RIGHT BANK-TOP (structure within 1m) (M, H, R, P, C, B, M, E, N)										
LAND USE WITHIN 5m OF BANK TOP (R)	IG									

**Q. CHANNEL VEGETATION TYPES (One tick per transect, 2 (2-3.5% cover) or tick (otherwise) (0-1.5% cover))**

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

1996 RIVER HABITAT SURVEY - 200m SWEEP UP Page 3 of 4

**LAND USE WITHIN 5m OF BANKTOP**

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

**ARTIFICIAL/MODIFIED**

	L	R		L	R
Natural/unmodified			Reconditioned		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Steep (>45°)			Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Pointed		
			Embanked		
			Set-back embankments		

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

	Left	Right	None	Percent E (±15%)
None	<input checked="" type="checkbox"/>	<input checked="" 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	Percent E (±15%)
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**

	None	Percent E (±15%)
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): (L, R, G)

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

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

LEFT BANK	Banktop width (m)	2.5	RIGHT BANK	Banktop width (m)
Banktop height (m)	0.8		Banktop height (m)	1.0
Water width (m)	3.5		Water width (m)	3.5
Water depth (m)	0.1		Water depth (m)	0.1
Embanked height (m)			Embanked 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)

**STRUCTURAL FEATURES**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = 2 \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = 1 \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**RECORDS OF BANK MANAGEMENT**

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

**FEATURES 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   
 Loose debris  Pits  Flush

**CHOKED CHANNEL**

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

**NON-NATIVE SPECIES**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (Name) Rhododendron brachylobus

**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**

not-sited - buffer strip - woodland - abandoned land - parkland - MoD - other? \_\_\_\_\_

**ANIMALS**

otter - minc - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

**OTHER SIGNIFICANT OBSERVATIONS:**

SILT OVERLYING SAND

**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: 6929  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: \_\_\_\_\_ River: CRAWLING TOFT STREAM - LITTLE OUSE  
 Date: 19.16.1996 Time: 9.33 Surveyor name: G.C. Accreditation code: FEU

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

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

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be 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.W. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 4BB

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

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

Spot check 1 is repeated  down/upstream  = one entry only

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

	1	2	3	4	5	6	7	8	9	10
LEFT BANK: THICK <input checked="" type="checkbox"/> (tick one box only)										
Material <input checked="" type="checkbox"/> (M, S, G, C, B, P, L, O, D, F, W, B, U, R, N, V)	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Bank modification(s) <input checked="" type="checkbox"/> (M, P, O, S, B, F, C, B, N, D, H)	CS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <input checked="" type="checkbox"/> (M, P, O, S, B, F, C, B, N, D, H)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <input checked="" type="checkbox"/> (M, S, G, C, B, P, L, O, D, F, W, B, U, R, N, V)	GP	SA	SA	SA	SA	SA	SA	SA	SA	SA
Substrate shape <input checked="" type="checkbox"/> (F, O, V, E, E, S, P, O, B, R, O, S, H, Y, S, H, A, P, E)	IR	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type <input checked="" type="checkbox"/> (F, O, V, E, E, S, P, O, B, R, O, S, H, Y, S, H, A, P, E)	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) <input checked="" type="checkbox"/> (M, P, O, S, B, F, C, B, N, D, H)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <input checked="" type="checkbox"/> (M, P, O, S, B, F, C, B, N, D, H)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: THICK <input checked="" type="checkbox"/> (tick one box only)										
Material <input checked="" type="checkbox"/> (M, S, G, C, B, P, L, O, D, F, W, B, U, R, N, V)	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Bank modification(s) <input checked="" type="checkbox"/> (M, P, O, S, B, F, C, B, N, D, H)	NO	RS	NO	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <input checked="" type="checkbox"/> (M, P, O, S, B, F, C, B, N, D, H)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

**E BANKTOP, LAND USE AND VEGETATION STRUCTURE (to be measured across channel within a 10m wide transect)**

Land use: check one from M, CP, OR, MR, R, TR, SP, AG, H, VL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	EP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK TOP (structure within 1m) BOBSC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BOBSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BOBSC	U	S	S	S	S	S	S	S	U	U
RIGHT BANK TOP (structure within 1m) BOBSC	U	U	U	S	S	U	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	TL	TL	TL	TL	TL	IG	IG

**F CHANNEL VEGETATION TYPES (to be measured across channel within a 10m wide transect)**

NONE / PLANT GENERA - Est Gen 5

Phytoplankton	Emergent broad-leaved herbs	Emergent reeds/sedges/rushes	Floating-leaved (rooted)	Free-floating	Amphibious	Submerged broad-leaved	Submerged fine/linear-leaved	Filamentous alga
1 Phragmites								
	1 Algae							
		1 Calamagrostis						
			✓	✓	✓	✓	✓	✓
			✓	✓	✓	✓	✓	✓
					✓			
						✓	✓	✓
							✓	✓
							✓	✓

ITE NO 6929 1996 RIVER HABITAT SURVEY: SOBB SWEEP-UP Page 3 of 4

**A LAND USE WITHIN 5m OF BANKTOP (tick one box per bank)**

	L	R		L	R
woodland/semi woodland (BL)			Rough pasture (RP)	✓	
uniform plantation (CP)			Improved/semi improved grass (IG)	✓	✓
Orchard (OR)			Tilled land (TL)		✓
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
rub (RC)			Open water (OW)		
all herbs' root vegetation (TH)			Suburban/urban development (SU)		

**B CHANNEL VEGETATION TYPES (tick one box per bank)**

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

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

None	Left	Right	Shading of channel	None	Present E (≥ 25%)
Isolated/scattered	✓	✓	Overhanging boughs	✓	✓
Regularly spaced, single	✓	✓	Exposed bankside roots	✓	✓
Occasional clumps	✓	✓	Underwater tree roots	✓	✓
Semi continuous	✓	✓	Fallen trees	✓	✓
Continuous	✓	✓	Coarse woody debris	✓	✓

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

None	Present E (≥ 25%)	None	Present E (≥ 25%)	
Marginal deadwater	✓	✓	Exposed bedrock	✓
Exposed bedrock	✓	✓	Exposed boulders	✓
Unvegetated mid-channel bar(s)	✓	✓	Vegetated mid-channel bar(s)	✓
Vegetated mid-channel bar(s)	✓	✓	Mature inbank(s)	✓
Unvegetated side bar(s)	✓	✓	Unvegetated side bar(s)	✓
Vegetated side bar(s)	✓	✓	Vegetated side bar(s)	✓

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

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)	1.5	Banktop height (m)
Embarked height (m)	Water depth (m)	Embarked height (m)
	0.1	

If waterline 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)

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

None  Number of Culverts = 3 Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_  
 Footbridges = 1 Rambridges = \_\_\_\_\_ Other = \_\_\_\_\_

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

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

None  Dredging  Moving  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  Fen  Flush

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

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

**F NOTABLE NON-ARCTIC PLANT SPECIES (tick appropriate box(es))**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (tick) Rhododendron bracken

**G PHYSICAL CHARACTERISTICS (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - over-depositing - 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 - dragonflies/damselflies

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

**H 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/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: 6830 QA (ISS)

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

Grid Reference: M085617 River: UNNAMED TRIBUTARY OF WANEY

Date: 19.10.1996 Time: 10.10. Surveyor name: G.C. 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 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 (use IFE) for: Points Unveg. side bars Veg. point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within 2m wide transects) 1 = one entry only**

Spot check 1 to 10 (stream) <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 feature)									
Material (W, M, NO, CO, CL, SL, GL, CL, SP, W, CL, M, R, BY)	GA	CA	GA	CA	GA	CA	GA	CA	GA	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
<b>RIGHT BANK</b>	TICK IF (functional feature)									
Material (W, M, NO, CO, CL, SL, GL, CL, SP, W, CL, M, R, BY)	GA	CA	GA	CA	GA	CA	GA	CA	GA	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
<b>F BANKTOP LAND USE AND VEGETATION STRUCTURE (tick assessed over a 20m wide transect)</b>	Land use: choose one from R, CP, OR, NO, SC, TH, SP, SL, PL, OR, BI									
<b>LAND USE WITHIN 5m OF BANKTOP (L)</b>	U	U	U	U	U	U	U	U	U	U
<b>LEFT BANK TOP (structure within 1m)</b>	U	U	U	U	U	U	U	U	U	U
<b>LEFT BANK FACE (structure)</b>	U	U	U	U	U	U	U	U	U	U
<b>RIGHT BANK FACE (structure)</b>	U	U	U	U	U	U	U	U	U	U
<b>RIGHT BANK TOP (structure within 1m)</b>	U	U	U	U	U	U	U	U	U	U
<b>LAND USE WITHIN 5m OF BANK TOP (R)</b>	U	U	U	U	U	U	U	U	U	U
<b>G CHANNEL VEGETATION TYPES (10m wide transect - 2-2.5m apart or tick if present)</b>	NONE / PLANT GENERA - list first 5									
Bryophytes/lichens	Algae									
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. 6830 1996 RIVER HABITAT SURVEY: 500m SWEEP-UP Page 3 of 4

**B LAND USE WITHIN 50m OF BANKTOP (tick if present)**

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

**C ARTIFICIAL FEATURES**

Natural/nomadic bed	L	R	Artificial/modified	L	R
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Scout			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embarked		
			Set back embankments		

**D VEGETATION TYPES AND ASSOCIATED FEATURES**

TRISS (tick one box per band)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 25%)
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 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"/>

**E VEGETATION TYPES AND ASSOCIATED FEATURES**

Waterfall(s)	None	Present E (≥ 25%)	Marginal deadwater	None	Present E (≥ 25%)
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 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):

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)	RIGHT BANK
Banktop height (m)	Water width (m)	Banktop height (m)
Embarked height (m)	Water depth (m)	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)

**M ARTIFICIAL FEATURES**

None  Number of Culverts = 4 Weirs = 0  
 Footbridges = 0 Roadbridges = 0  
 Outfalls = 1 Fords = 0  
 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 RUIANANCE PLANT SPECIES (tick 0 or 1 if present, 2 if present in large stands of other veg)**

None  Giant Hogweed  Himalaya Balsam  Japanese Knotweed  Other? (tick) Rhododendron bracken

**R OVERALL CHARACTERISTICS (circle appropriate words, add others if necessary)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - silt - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - alting - other? =

Land Management: (not include) buffer strip - heathland - abandoned land - parkland - MoD - other? =

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

Other significant observations:

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

Alders: None  Present  Extensive  Disused Alders: None  Present  Extensive



**1996 RIVER HABITAT SURVEY**

Spot check 1 is at upstream end  downstream end  of site (tick one box)

**BACKGROUND MATERIAL 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: 6884  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: SJ 889 461 River: IRFON  
 Date: 14/6/1996 Time: 15:00 Surveyor name: NICKY SMITH

Accredited Surveyor? No  Yes  If yes, state number P.F.4

Adverse conditions affecting survey? No  Yes  If yes, state with suspended

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

Duplicate photographs: general character? 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

**RIFLES, POINT BARS AND POOLS**

Rifles 11 Unvegetated point bars 1  
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

**1996 RIVER HABITAT SURVEY - SPOT CHECKS**

**PHYSICAL ATTRIBUTES**

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	EC	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Flow type	SM	W	CK	RP	SM	W	HP	RP	BU	JW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	TR	NO	NO	RO	NO	NO	NO	NO	NO
RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modifications(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	SB	NO	EC	SC	EC	NO	PB	PB	NO

**LAND USE WITHIN 5m OF BANKTOP**

	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
LEFT BANK-TOP (structure within 5m)	U	S	U	S	U	U	S	S	S	S
LEFT BANK FACE (structure)	B	S	S	S	U	U	S	B	S	S
RIGHT BANK-TOP (structure within 5m)	U	S	S	S	U	U	S	U	U	U
RIGHT BANK FACE (structure)	B	S	S	S	B	S	B	B	B	B

**VEGETATION**

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"/>
Liverworts/mosses/lichens	<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"/>
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 reeds/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 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"/>
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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Use and 'tick-off' column for types not occurring in spot checks as well as overall assessment over 500m (use E or J)

\* Re fishing U/S - to SW & UP

**1996 RIVER HABITAT SURVEY - 500m SWEEPUP**

SITE NO. 6884

**LAND USE WITHIN 5m OF BANKTOP**

	L	R		L	R
Broadleaved/mixed woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)	<input checked="" type="checkbox"/>	E
Coniferous plantation (CP)	<input type="checkbox"/>	<input type="checkbox"/>	Improved/semi-improved grass (IG)	E	<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 checked="" type="checkbox"/>	<input type="checkbox"/>
Tall herbs - rank vegetation (TH)	<input type="checkbox"/>	<input type="checkbox"/>	Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**BANK PROFILES**

	L	R		L	R
Natural/unmodified	<input type="checkbox"/>	<input type="checkbox"/>	Artificial/unmodified	<input type="checkbox"/>	<input type="checkbox"/>
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rationalised	<input type="checkbox"/>	<input type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slope (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Geotile	E	E	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"/>
			Set-back embankment	<input type="checkbox"/>	<input type="checkbox"/>

**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 type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<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"/>	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"/>

**EXTRAS OF CHANNEL FEATURES**

	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 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"/>
Dall(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Nature 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 checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (tick up to three features): RP

**1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES**

**CHANNEL DIMENSIONS**

	LEFT BANK	RIGHT BANK
Banktop width (m)	15.5	
Banktop height (m)	1.0	2.0
Embankment height (m)		
Water width (m)	14	
Water depth (m)	0.3	
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 measurement is: riffle  run or glide  other  (tick one box)

**ARTIFICIAL OBSTACLES**

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

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

**EVIDENCE OF CHANNEL MANAGEMENT**

None  Dredging  Moving  Weed-cutting   
 Enhancement  Other?

**CHANNEL FEATURES**

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

**WOODS MANAGEMENT**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? State

**OVERALL CHANNEL INFLUENCES**

Major impacts: landfill (ipping) liner - sewage pollution - drought - abstraction - mill - dam - road - rail - industry - house - mining - quarrying - overtopping - afforestation - fisheries management - siltation

Land Management: set-aside - buffer strip - headland - shadedwood land partland MoD with suspended silt due to afforestation on the U/S.

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

Other significant observations:

**SPECIAL 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 (I, III)  
 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: 6884  
 Mid-site grid reference of network site if different from designated location: QA

Grid Reference: SN 888462 River: IRFON  
 Date: 17.7.1996 Time: 15:00 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)

**C DOMINANT 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 (indicate total number)**

Riffles 5 Unvegetated point bars \_\_\_\_\_  
 Pools 1 Vegetated point bars \_\_\_\_\_

AND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BR20 6BB

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

TABLE 1 (see IFE for Reflex No.) Points: \_\_\_\_\_ Using 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	1	2	3	4	5	6	7	8	9	10
LEFT BANK (structure within 1m) BWSK	CO	EL	SA	CO	EL	EA	SA	EA	SA	EA
RIGHT BANK (structure within 1m) BWSK	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate: IFE, NO, CO, CP, DR, MR, BC, TH, EP, RL, WL, OR, SU	CO	CO	CO	CO	CO	CO	CO	CP	BE	CO
Channel modification(s) IFE, NO, CO, CP, DR, MR, BC, TH, EP, RL, WL, OR, SU	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) IFE, NO, CO, CP, DR, MR, BC, TH, EP, RL, WL, OR, SU	RO	NO	NO	NO	NO	NO	NO	NO	NO	NO
LEFT BANK (structure within 1m) BWSK	EA	CO	EA	CO	EA	CO	EA	EA	CO	EA
RIGHT BANK (structure within 1m) BWSK	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate: IFE, NO, CO, CP, DR, MR, BC, TH, EP, RL, WL, OR, SU	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s) IFE, NO, CO, CP, DR, MR, BC, TH, EP, RL, WL, OR, SU	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) IFE, NO, CO, CP, DR, MR, BC, TH, EP, RL, WL, OR, SU	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

NONE  PLANT GENERA - list first 5

Plant Genus	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg roots/wedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/needle-leaved										
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

TT. NO. 6884 1996 RIVER HABITAT SURVEY: SOILS AND BANKTOP LAND USE WITHIN 5m OF BANKTOP (tick one box per cell)

	L	R		L	R
woodland (BL)		✓	Rough pasture (RP)		✓
miscellaneous (CP)			Improved/semi-improved grass (IG)	✓	✓
orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
sh (SC)			Open water (OW)		
Herbs/road vegetation (TH)			Suburban/urban development (SU)		✓

**Natural/semi-natural**

	L	R	Artificial/modified	L	R
riparian/undercut	✓	✓	Reinforced		✓
riparian + toe	✓	✓	Reinforced - whole bank		✓
scrap (> 45°)	✓	✓	Reinforced - top only		✓
Gastie			Reinforced - toe only		✓
erosion	✓	✓	Artificial two-stage		✓
			Punctured		✓
			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 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 (≥ 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"/>
Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**WATERFALLS AND OTHER FEATURES**

	None	Percent E	None	Percent E (≥ 33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>
Bowl(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Obd(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"/>

icate predominant flow sequence (select up to three features): SLIDE - RIFLES

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

**G 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)	<u>17.0</u>	Banktop height (m)	
Banktop height (m)	<u>1.2</u>	Water width (m)	<u>13.0</u>
Banktop height (m)	<u>1.2</u>	Water depth (m)	<u>0.32</u>
Banktop height (m)	<u>1.2</u>	Banktop height (m)	<u>1.15</u>
Banktop height (m)	<u>1.2</u>	Banktop height (m)	<u>1.15</u>

If bankline 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)

**H CHANNEL FEATURES (tick one box)**

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

**I CHANNEL MANAGEMENT (tick one box)**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? Stale

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

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

**K MAJOR IMPACTS (tick one box)**

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? = GRANZING

Animals: other - otter - water vole - kingfisher - dipper - reed kite - mud martin - heron - great reedling - black-winged stilt

Other significant observations: Waterfall channel with some 150m of...

**L CHANNEL VEGETATION (tick one box)**

Algae? None  Present  Extensive  Charcoal Algae? 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 Uniform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B. FIELD SURVEY DETAILS**

Reference network site number: 6924  
 Mid-site grid reference of network site if different from designated location: *CG 26 to 28*

Grid Reference: *CG 26 to 28* River: *TEP*

Date: *11/15/1996* Time: *10:30* Surveyor name: *...*

Accredited Surveyor? No  Yes  If yes, state number: *NS 3*

Adverse conditions affecting survey? No  Yes  If yes, state *...*

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

Duplicate photographs: general character? No  Yes  (tick one box)

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

**C. CHANNEL CHARACTERISTICS**

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

Terraced valley floor? No  Yes

**D. NUMBER OF RIFLES, POOLS AND POINT BARS**

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

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH120 6RB

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

Spot check 1 is at upstream end  downstream end  of site (tick one box)

**E. PHYSICAL ATTRIBUTES**

Material: *GA EA*  
 Bank modification(s): *NO NO*  
 Bank feature(s): *NO NO*

**CHANNEL**

Channel substrate: *SI SI*  
 Flow type: *NP NP*  
 Channel modification(s): *NO NO*  
 Channel feature(s): *NO NO*

**LEFT BANK**

Material: *SG BE*  
 Bank modification(s): *NO NO*  
 Bank feature(s): *NO NO*

**RIGHT BANK**

Material: *SG BE*  
 Bank modification(s): *NO NO*  
 Bank feature(s): *NO NO*

Land use: choose one from *AG, CR, OR, MH, IC, TR, RI, SI, U, O, W, BI*

LAND USE WITHIN 5m OF BANKTOP (L) *1G 2L 1G 1S 2L 1G 1S 1G 1S*  
 LEFT BANK-TOP (structure within 1m) *CS BS SS SS*  
 LEFT BANK FACE (structure) *SS BS UB US*  
 RIGHT BANK FACE (structure) *BS BS CS BS US UB*  
 RIGHT BANK-TOP (structure within 1m) *SC CS CS CC UV*  
 LAND USE WITHIN 5m OF BANK TOP (R) *1G 1G 1G 1G 1S 1G 1G 1G 1G*

**F. CHANNEL VEGETATION TYPES**

NONE   
 Litter/debris/mosses/lichens   
 Emergent broad-leaved herbs   
 Emergent reeds/sedges/rushes   
 Floating-leaved (rooted)   
 Free-floating   
 Amphibious   
 Submerged broad-leaved   
 Submerged fine/linear-leaved   
 Filamentous algae

Use and "tick-off" columns for types not occurring in spot checks as well as overall assessment over 500m (use 6 or 7)

SITE NO. 6924 1996 RIVER HABITAT SURVEY: 500m SWEEP OF *...* Page 2 of 4

**G. LAND USE WITHIN 5m OF BANKTOP**

Broadleaved 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)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs - reed vegetation (TH)			Suburban/urban development (SU)		

**H. CHANNEL CHARACTERISTICS**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rationalised	<input type="checkbox"/>	<input type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input type="checkbox"/>
Steep (> 45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Gentle	<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"/>

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

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"/>
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"/>

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

None	<input type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<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"/>

**K. CHANNEL VEGETATION**

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

Indicate predominant flow sequence (select up to three features)

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

**L. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	Water width (m)	Banktop height (m)
Embanked height (m)	Water depth (m)	Embanked height (m)

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

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

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

**M. CHANNEL 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

**N. CHANNEL VEGETATION**

None  Dredging  Mowing  Weed-cutting   
 Embankment  Other 1 State *...*

**O. CHANNEL VEGETATION**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) *...*  
 Braided/wide channels  Natural open water  Curr   
 Durable debris  Water meadow  Marsh   
 Leafy debris  Fern  Plant

**P. CHANNEL VEGETATION**

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

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? State *...*

**Q. CHANNEL VEGETATION**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - siltation

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: *...*

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

Alders? None  Present  Extensive  Decayed Alders? 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 Platform category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 6924

Mid-site grid reference of network site if different from designated location: **QA**

Grid Reference: **SN 379344** River: **TEIFI**

Date: **9/1/1996** Time: **12:10** Surveyor name: **G. COLETT** Accreditation code: **0672**

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

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

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be 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 RIPPLES, POOLS AND POINT BARS (indicate total number)**

Ripples: 3 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, WARRILAM, NT20 688

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

TALLY (use Diff for Riffles) Pools Using side bars Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel within a 3m wide transect) 1 = one entry only**

Spot check 1 is upstream/downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK THICK (if functional feature)										
Material (W, M, CO, CL, S, F, L, O, C, P, B, G, L, A, R, U, V)	BC	GE	EA	CO	CO	EA				
Bank modification(s) (N, NO, R, S, F, C, B, M, D, N)	NO	NO	PC	NO	NO	NO	PC	PC	NO	NO
Bank feature(s) (W, M, S, C, R, F, V, S, V, V)	SC	SC	NO	NO	SRA	NO	EC	NO	NO	NO
Channel substrate (W, M, S, C, R, F, V, S, V, V)	BE	BE	SA	CO	CO	NV				
Substrate shape (F, O, V, S, C, R, F, V, S, V, V)	NA	NA	NA	IR	IR	IA	NA	NA	NA	NA
Flow type (F, O, V, S, C, R, F, V, S, V, V)	RP	SM	SM	SH	BU	UN	RP	UN	RP	SM
Channel modification(s) (N, NO, R, S, F, C, B, M, D, N)	NO									
Channel feature(s) (W, M, S, C, R, F, V, S, V, V)	NO									
RIGHT BANK THICK (if functional feature)										
Material (W, M, S, C, R, F, V, S, V, V)	GE	BE	EA	EA	EA					
Bank modification(s) (N, NO, R, S, F, C, B, M, D, N)	NO									
Bank feature(s) (W, M, S, C, R, F, V, S, V, V)	NO	NO	NO	NO	SC	EC	NO	VS	NO	VS

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

Land use: choose one from BL, CF, OR, M, SC, TR, SP, SL, EL, BL, OR, W

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	IG	SC	RP	IG	IG	IG	BL	BL
LEFT BANK TOP (structure within 1m) (W, M, S, C, R, F, V, S, V, V)	C	C	B	B	U	U	U	U	C	C
LEFT BANK FACE (structure) (W, M, S, C, R, F, V, S, V, V)	C	C	B	B	U	U	U	U	C	C
RIGHT BANK FACE (structure) (W, M, S, C, R, F, V, S, V, V)	S	S	S	U	B	C	U	U	U	U
RIGHT BANK TOP (structure within 1m) (W, M, S, C, R, F, V, S, V, V)	U	U	U	U	C	C	U	C	U	C

**G CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect)**

NONE / PLANT GENERA - Est. frst. 5

Bryophytes/lichen	1	Phalaris								
Emergent broad-leaved herbs	1	Rubus								
Emergent reed/sedge/cyperus		Rubus								
Floating-leaved (rooted)	1	Rubus								
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

SITE NO. 6924 1996 RIVER HABITAT SURVEY: 500m SWEEP UP Page 3 of 4

**H 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)		
Orchard (OR)			Tidal 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 CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect)**

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

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

None	Left	Right	None	Present E (>25%)
Isolated/scattered			Shading of channel	
Regularly spaced, single			Overhanging boughs	
Occasional clump			Exposed bankside roots	
Small continuous			Underwater tree roots	
Continuous			Fallen trees	
			Course woody debris	

**K CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect)**

None	Present E (>25%)
Waterfall(s)	
Overbank(s)	
Rapid(s)	
Riffle(s)	
Rune(s)	
Bank(s)	
Obide(s)	
Pool(s)	

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

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

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

LEFT BANK	Banktop width (m)	3.4	RIGHT BANK		
Banktop height (m)	1.5	Water width (m)	2.4	Banktop height (m)	1.5
Embankment height (m)		Water depth (m)	N/A	Embankment height (m)	

If width is 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 (to be assessed over a 10m wide transect)**

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

**N PREVALENCE OF RIBBON MANAGEMENT**

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

**O FEATURES OF SPECIAL INTEREST (tick one box per feature)**

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

**P RARE PLANT SPECIES (tick one box per species)**

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

**Q RIVER CHARACTERISTICS (tick one box per feature)**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - then (road) rail industry - housing - mining - quarrying - overtopping - effluent - fisheries management - fishing - other? = \_\_\_\_\_

Land Management: set-back - buffer strip - hardland - abandoned land - partial - MoD - other? = \_\_\_\_\_

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

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

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

Alders? None  Present  Extensive  = Diseased? None  Present  Extensive



**A. 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 \_\_\_\_\_

**B. FIELD SURVEY DETAILS**

Reference network site number: **6956**  
 Mid-site grid reference of network site if different from designated location: **QA**

Grid Reference: **TL521391** River: **CAM.**

Date: **21/11/96** Time: **14:15** Surveyor name: **N. GRIFF** Accreditation code: **PS 12**

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

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. DOMINANT VALLEY FORMS (see Fig 2)**

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

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

**D. NUMBER OF RIPPLES, POOLS AND POINT BARS**

Ripples  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO  
 P. R. DAWSON, IPE, RIVER LABORATORY, EAST STOKES, WARDLEAM, BH20 6SS

1996 RIVER HABITAT SURVEY - SPOT CHECKS Page 2 of 4

**II. PHYSICAL ATTRIBUTES (to be recorded across channel width of 1m wide transects) - in one entry (m)**

Spot check 100m upstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK - STICKS (m)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	RS	NO	RS	NO	RS	NO	RS	NO	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (m)	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type	SM	NP	SM	NP	SM	NP	SM	NP	SM	NP
Channel modification(s)	RS	RS	NO	NO	RS	RS	NO	NO	RS	RS
Channel feature(s)	M	M	M	M	M	M	M	M	M	M
RIGHT BANK - STICKS (m)	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

**III. BANKTOP LAND USE AND VEGETATION STRUCTURE (see Fig 3)**

Land use: choose one from FL, CP, OR, OL, SC, TH, SP, AL, IL, PL, OP, RI

LAND USE WITHIN 5m OF BANKTOP (L)	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH
LEFT BANK-TOP (structure within 5m)	S	U	S	U	S	U	S	U	S	S
LEFT BANK FACE (structure)	C	U	S	S	C	C	C	C	C	C
RIGHT BANK-TOP (structure within 5m)	S	S	U	U	S	U	S	U	S	U
RIGHT BANK FACE (structure)	S	S	U	U	S	U	S	U	S	U

**IV. PLANT GENERA - list Gen 5**

NONE	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										
Algae/bryophytes										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

VEG NO 6956 **APPROPRIATE HABITAT SURVEY DIMENSIONS AND INFLUENCES**

**I. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	13.0	RIGHT BANK	Banktop width (m)	
Banktop height (m)	1.1	Water width (m)	10.5	Banktop height (m)	1.1
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: consolidated (compact)  unconsolidated (loose)

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

**II. CHANNEL VEGETATION**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Ponds = \_\_\_\_\_  
 Fertilizer  Runoff/drain = \_\_\_\_\_ Other = \_\_\_\_\_  
 Is water impounded by weirs/dams? No  Yes, < 33% of site  > 33% of site

**III. CHANNEL VEGETATION INFLUENCES**

None  Dredging  Moving  Wood cutting   
 Enhancement  > Other?  Bank clearance - RHB (fishes)

**IV. CHANNEL VEGETATION INFLUENCES**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Brashed/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? (Mistle, Rhododendron bracteata)

Major impacts: landfill  tipping  litter  sewage  pollution  drought  abstraction  mill  dam  road  rail  industry  housing  mining  quarrying  overtopping  afforestation  fisheries management (fishing)  other? \_\_\_\_\_

Land Management: set aside  (wildlife)  broadland  abandoned land  parkland  MoD  other? \_\_\_\_\_

Animals: other  mist  water vole  kingfisher  dipper  grey wagtail  mud martin  dragonflies  damselfly

Other significant observations: **RS channel with vegetation on both sides**  
**channel narrowing, water v. still, standing water that doesn't flow**  
**> 33% of site RHB**

**V. CHANNEL VEGETATION INFLUENCES**

Adapt? None  Present  Extensive (L)  Discontinuous  None  Present  Extensive

**VI. PREDOMINANT FLOW SEQUENCE (select up to three features):** **SLACK (10)**

**VI. PREDOMINANT FLOW SEQUENCE (select up to three features):** **SLACK (10)**

**VI. PREDOMINANT FLOW SEQUENCE (select up to three features):** **SLACK (10)**

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

**A BACKGROUND MAP-BASED INFORMATION**

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

**B FIELD SURVEY DETAILS**

Reference network site number: 6462  
Mid-site grid reference of network site if different from designated location:

Grid Reference: River:  
Date: 2.1.1996 Time: 14.24 Surveyor name: G.C. 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 numbers)**

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 4

Channel width (m) at riffles Pools Using weirs Veg point bars

**E PHYSICAL ATTRIBUTES (to be assessed across channel width > 1m wide transects) - one entry only!**

Spot check 1: 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
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	S1	S1	S1	S1	S1	S1	S1	S1	S1
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)	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	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 across 10m wide transects)**

Land use: choose one from BL, CP, OL, NH, SC, SW, SP, SG, FL, WL, OW, IU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m) BANC	U	C	C	S	S	C	S	U	C
LEFT BANK FACE (structure) BANC	U	C	S	C	S	C	S	S	C
RIGHT BANK FACE (structure) BANC	U	C	S	S	B	S	S	S	C
RIGHT BANK TOP (structure within 1m) BANC	U	U	S	S	B	S	C	S	C
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

Byrophytes/lichen	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg broad-leaved herbs	✓								
Emerg reed/rod/pot/rush	✓								
Floating leaves (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerg float-leaved									
Filamentous algae									

1996 RIVER HABITAT SURVEY

Site No: 6462

Broadleaved meadow (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		F
Orchard (OK)			Tiled roof (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)	✓		Open water (OW)		
Tall herbs, mast exposure (TH)			Suburban/urban development (SU)		

**NATURAL/UNMODIFIED**

Vertical/undisturbed	✓	✓	Artificial/modified		
Vertical + tree	✓	✓	Reinforced - whole bank		
Steep (>45°)	✓	✓	Reinforced - top only		
Gentle	✓	✓	Reinforced - toe only		
Coastal			Artificial two-stage		
			Patched		✓
			Embanked		✓
			Set back embankments		✓

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

None			Shading of channel	None	Present E (2.11%)
Lined/scarified			Overhanging branches		✓
Regularly spaced, single			Exposed bankside roots		✓
Occasional change			Underwater tree roots		✓
Semi-continuous			Fallen trees		✓
Continuous	✓	✓	Coarse woody debris		✓

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

Marginal deadwater	None	Present E (2.11%)
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)		✓

**WATERFALLS**

Waterfall(s)	None	Present E
Cascade(s)		✓
Rapid(s)		✓
Riffle(s)		✓
Rune(s)		✓
Boil(s)		✓
Glide(s)		✓
Pool(s)		✓

Indicate predominant flow sequence (select up to three features): Gorge, no riffles, pool

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 4 of 4

**H CHANNEL DIMENSIONS (to be assessed across channel width > 1m wide transects)**

LEFT BANK	Banktop width (m)	2.0	RIGHT BANK	Banktop width (m)	2.6
	Banktop height (m)	0.4		Banktop height (m)	0.6
	Embanked height (m)			Embanked height (m)	
	Water width (m)	0.5		Water depth (m)	0.05

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)

**I CHANNEL FEATURES**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
Footbridges = 0 Roadbridges = 0 Other = 0

Is water impounded by weirs? No  Yes, < 11% of site  > 11% of site

**J RIVERBED REPAIR OR MAINTENANCE**

None  Dredging  Moving  Weed-cutting   
Enhancement  Other? Date: \_\_\_\_\_

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

None  Waterfalls > 3m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
Bridled/side channels  Natural open water  Carr   
Debris dams  Water enclosure  Marsh   
Leafy debris  Fens  Flush

**L CHANNEL CHARACTERISTICS (tick one box)**

Is 11% or more of the channel choked with vegetation? NO  YES

**M MAJOR RIVERBED MAINTENANCE PLANT SPECIES (tick one box)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (Name) Rhododendron (tick)

**N RIVERBED CHARACTERISTICS**

Major impacts: bank/soil slipping - litter - sewage - pollution - drought - abstraction - spill - dam - road - rail - industry - housing - mining - quarrying - over-spraying - afforestation - fisheries management - algal - other? =

Land Management: set-back buffer strip - headland - headland bed - partitioned - MoD - other? =

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

Other significant observations:

IS (tick appropriate box(es))

None  Present  Extensive  Damaged Algae? 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: 6962 QA

Mid-site grid reference of network site if differs from designated location: \_\_\_\_\_

Grid Reference: TM 135395 River: UN-NAMED TRIB OF STOUR

Date 2/7/1996 Time: 12:00 Surveyor name: N. GRIEVE Accreditation code: PR12

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

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

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be 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 expense claims TO  
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1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

Left Y (use 000 for Riffles) \_\_\_\_\_ Peaks \_\_\_\_\_ Threeq. site bars \_\_\_\_\_ Veg point bars \_\_\_\_\_

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

Spot check 1 is upstream	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK IF (functional) feature									
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
Bank modification(s) (NE, NO, NS, NW, SE, SO, SW, TE, TO, TS, TW)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ)	SI	SI	SA	SI	SI	SI	SI	SI	SI
Substrate shape (FL, OV, DL, SF, CU, PO, DL, Other - see)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type (FF, CH, SW, LW, CF, SF, UP, SM, NP, NO)	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) (NE, NO, NS, NW, SE, SO, SW, TE, TO, TS, TW)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ)	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TICK IF (functional) feature									
Material (W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ)	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (NE, NO, NS, NW, SE, SO, SW, TE, TO, TS, TW)	NO	RS	NO	RS	RS	RS	NO	RS	NO
Bank feature(s) (W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ)	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, NO, FL, WL, OW, SU

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

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

NONE  PLANT GENERA - list first 5

Bryophytes/lichens									
Emerg broad-leaved herbs (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)									
Emerg reeds/sedges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibians									
Submerged broad-leaved									
Submerged floor/linear-leaved									
Filamentous algae									

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

Site No. 6962

**LAND USE WITHIN 50m OF BANKTOP (Use E, S, C, T, H, R, P, NO, FL, WL, OW, SU)**

	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) (SA)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)	E	N
Scrub (SC)			Open water (OW)		
Tall herbs/mast vegetation (TH)			Suburban/urban development (SU)		

**VEGETATION TYPES (tick one box only)**

	L	R	Artificial/modified	L	R
Natural/unmodified			Reinstated		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Slope (>45°)			Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Poached		
			Embanked		
			Sci-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 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"/>

**VEGETATION (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 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"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bed(s)	<input checked="" 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): GLIDE

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)	3.0	2.5
Banktop height (m)	0.6	0.5
Embanked height (m)		0.02
Water width (m)	2.55	
Water depth (m)	0.02	
Embanked height (m)		

If bankline lower than banktop break in slope, indicate: height (m) = 0.15 width (m) = 1.0

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

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

**VEGETATION FEATURES (tick one box only)**

None  Number of Culverts = 2 Weirs = 0 Footbridges = 0 Outfalls = 1 Fords = 0

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

**NEEDS OF RIVER MANAGEMENT (tick appropriate box(es))**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? Static

**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

**CHOKED CHANNEL (tick one box)**

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

**NOTABLE PLANT SPECIES (tick appropriate box(es))**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (None, Rhododendron, etc)

**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 (fishing) - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = WOODLAND/CARR

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Small channel, narrow through the woodland with a dam.

**ADVERSITY (tick appropriate box(es))**

Adversity: None  Present  Extensive  Dispersed  None  Present  Extensive



1996 RIVER HABITAT SURVEY with IPIG 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: 6963  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River:  
 Date 2.7.1996 Time: 12:04 Surveyor name G.C. Accreditation code P.F.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)  
 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 expense 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 IPIG) for Rifles Pools Unveg. side bars Veg point bars

**B PHYSICAL ATTRIBUTES (to be assessed across channel within 2m wide transects) - in one category only**

Spot check 1 is upstream  downstream

LEFT BANK: TYPICAL (functional fence)	1	2	3	4	5	6	7	8	9	10
Material (M) NA NO CO CL AL PL CL CC SP CP CA BA BR BV	EA	CA	CA	CA	EA	CA	CA	CA	EA	EA
Bank modification(s) (M) NA BA BR BV BR BV	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (M) NA NO CO CL AL PL CL CC SP CP CA BA BR BV	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (M) NA NO CO CL AL PL CL CC SP CP CA BA BR BV	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Substrate shape (M) NA NO CO CL AL PL CL CC SP CP CA BA BR BV	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type (M) NA NO CO CL AL PL CL CC SP CP CA BA BR BV	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) (M) NA BA BR BV BR BV	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (M) NA NO CO CL AL PL CL CC SP CP CA BA BR BV	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: TYPICAL (functional fence)										
Material (M) NA NO CO CL AL PL CL CC SP CP CA BA BR BV	CA	CA	CA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M) NA BA BR BV BR BV	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) (M) NA NO CO CL AL PL CL CC SP CP CA BA BR BV	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, AC, TL, NL, OWS, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TH	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) BAUSC	B	B	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)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

**Q CHANNEL VEGETATION TYPES (10m wide transect) - tick (✓) or tick (cross) once**

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens	1									
Emerg broad-leaved herbs	1									
Emerg reeds/sedges/rushes	1									
Floating-leaved (rooted)	1									
Free-floating	1									
Amphibious	1									
Submerged broad-leaved	1									
Submerg fine/linear-leaved	1									
Filamentous algae	1									

SITE NO. 6923 RIVER HABITAT SURVEY

	L	R		L	R
Broadleaf/wetland 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 / mast vegetation (TH)			Suburban/urban development (SU)		

**NATURAL/SEMI-NATURAL**

	L	R		L	R
Vertical/erosion			Reinforced	E	E
Vertical + toe			Reinforced - whole bank		
Slope (> 43°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Sci-bank embankments		

**EXTENT OF TREE CANOPY AND ASSOCIATED FEATURES (tick one box per feature)**

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

**EXTENT OF CHANNEL VEGETATION**

None	Present E (≥ 33%)	None	Present E (≥ 33%)
Waterfall(s)		Marginal dead-water	
Canal(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): No Penetrable flow

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES Page 3 of 4

**B CHANNEL DIMENSIONS (10m wide transect)**

LEFT BANK	Banktop width (m)	6.5	RIGHT BANK	Banktop width (m)	6.5
Banktop height (m)	Water width (m)	6.0	Banktop height (m)	Water width (m)	6.0
Embanked height (m)	Water depth (m)	0.6	Embanked height (m)	Water depth (m)	0.6

If stabilise 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 CHANNEL VEGETATION**

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

**D EVIDENCE OF RIVER MANAGEMENT**

None  Drivings  Moving  Weed-cutting   
 Embankment  Other? State:

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

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

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

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

**G NOTABLE NUISANCE PLANT SPECIES (tick one box)**

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

**H REVEALING STRUCTURES (tick one box)**

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

Lead Management: set-aside - buffer strip - headland - abandoned bed - putland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - (arguably) damselfly

Other significant observations:

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

Alders? None  Present  Extensive  Damaged Alders? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

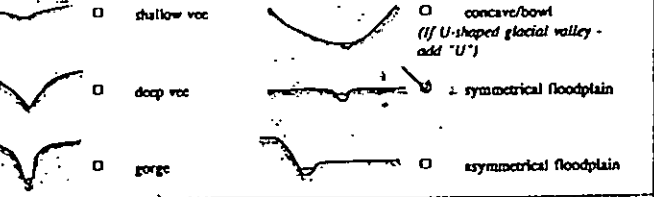
Altitude(m) Slope (m/km) Flow category (1-10)  
 Solid geology code Drift geology code Manform Category  
 Distance from source (km) Significant tributary? Navigation?  
 Height of source (m) Water Quality Class

Reference network site number: 6963 (04)  
 Mid-site grid reference of network site if differs from designated location:

Grid Reference: TM 295373 River: KINGS FLEET.  
 Date 2/2/1996 Time: 10:00 Surveyor name: N. GRIEVE 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)



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

NUMBER OF RIPPLES, POOLS AND POINT BARS (tick one total)  
 Ripples  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, WAREHAM, BH20 6BB

II PHYSICAL ATTRIBUTES (to be described across channel profile if 1m wide transects) = only daily only

Spot check 1 is upstream	2	3	4	5	6	7	8	9	10
Material <sup>HY, M, S, CL, G, O, P, W, CA, M, B, F, N</sup>	FA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <sup>HE, NO, AS, R, PC, M, EN</sup>	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <sup>HY, NO, E, S, C, F, W, V, B, Y, S</sup>	NO	NO	NO	NO	VS	NO	NO	NO	NO
Channel substrate <sup>HY, M, S, CL, G, O, P, W, CA, M, B, F, N</sup>	SI	SI	SI	SI	SA	SI	SI	SI	SI
Substrate shape <sup>FL, OV, EL, SP, CU, FO, B, O, DM, ...</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type <sup>FF, CR, BP, UN, CF, BF, UP, DM, BP, NO</sup>	NP	NP	NP	NP	SM	NP	NP	NP	NP
Channel modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s)	NO	NO	NO	NO	VS	NO	NO	NO	NO

LAND USE WITHIN 5m OF BANKTOP AND VEGETATION (tick one box only)

Land use: choose one from BL, CP, OR, SH, SC, TL, CF, RL, PL, OW, BI	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP (structure within 1m) <sup>MUSIC</sup>	S	S	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <sup>MUSIC</sup>	S	S	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) <sup>MUSIC</sup>	S	S	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) <sup>MUSIC</sup>	S	S	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	TL	TL	TL	TL	TL	TL	TL	TL

PLANT GENERA - list from 5

None	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emergent plants										
Emerg broad-leaved herbs										
Emerg rush/sedge/reeds										
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
rodent/mixed woodland (RL)			Rough pasture (RP)		
moorland plantation (MP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
woodland/heath (WH)			Wetland (eg bog, marsh, fen) (WL)		
rice (RC)			Open water (OW)		
all herbs' root vegetation (RH)			Suburban/urban development (SU)		

None	L	R	Artificial/modified	L	R
riparian/wooded			Recessed bank		
riparian + low			Reinforced - whole bank		
Slope (> 45)			Reinforced - top only		
side			Reinforced - toe only		
apart			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	Present
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, slight			Exposed bankside roots		
Occasional clump			Underwater tree roots		
Scal continuous			Fallen trees		
Continuous			Coarse woody debris		

None	Present	Present	None	Present	Present
Waterfall(s)			Shaded/dead-water		
Canal(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid-channel bar(s)		
Race(s)			Vegetated mid-channel bar(s)		
Bank(s)			Manure island(s)		
Old(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

date predominant flow sequence (select up to three features): S-T-A-L-A-N-T

CHANNEL DIMENSIONS (to be described across channel profile if 1m wide transects)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	7.8	Banktop height (m)
Banktop height (m)	1.2	Water width (m)
Embankment height (m)	0.12	Water depth (m)
Embankment height (m)	0.12	Embankment height (m)

If embankment lower than banktop break in slope, indicate: height (m) = width (m) = (1/10 0.5V+0.3) TL

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

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

CHANNEL FEATURES (tick one box only)

None <input type="checkbox"/>	Number of Culverts =	Weirs =	Outfalls =	Fords =
	Footbridges =	Roundbridges =	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"/>			
None <input checked="" type="checkbox"/>	Dredging <input type="checkbox"/>	Mowing <input type="checkbox"/>	Wood cutting <input type="checkbox"/>	
	Embankment <input type="checkbox"/>	Other? State		
None <input checked="" type="checkbox"/>	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"/>	Cart <input type="checkbox"/>	
	Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	
	Loose debris <input type="checkbox"/>	Pen <input type="checkbox"/>	Flash <input type="checkbox"/>	

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

VEGETATION (tick one box only)

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

MAJOR IMPACTS (tick one box only)

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: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - other? =

Other significant observations: low and channel, or ...

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 \_\_\_\_\_ Platform Category \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_ Significant tributary? \_\_\_\_\_ Navigation? \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_ Water Quality Class \_\_\_\_\_

**B FIELD SURVEY DETAILS**

Reference network site number: 6091  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: SP40725 River: Glyne  
 Date: 5.16.1996 Time: 11.45 Surveyor name: R Green

Accredited Surveyor? No  Yes  If yes, state number: FRS

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

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

Duplicate photographs: general character? No  Yes  (tick one box)

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

**C DOMINANT VALLEY FORM (tick one box)**

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

Terraced valley floor? No  Yes

**D NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box)**

Riffles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH10 6BB

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

Spot check 1 is at: upstream end  downstream end  of site (tick one box)

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

Time entry only

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK (structure within 1m)</b>										
Material	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
<b>RIGHT BANK (structure within 1m)</b>										
Material	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
<b>CHANNEL</b>										
Channel substrate	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Flow type	S1A	S1	S1	S1	S1	S1	S1	S1	S1	S1
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

**2. LAND USE WITHIN 5m OF BANKTOP (L)**

	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m)	16	16	16	16	16	16	16	16	16	16
LEFT BANK FACE (structure)	16	16	16	16	16	16	16	16	16	16
RIGHT BANK FACE (structure)	16	16	16	16	16	16	16	16	16	16
RIGHT BANK-TOP (structure within 1m)	16	16	16	16	16	16	16	16	16	16

**3. CHANGED VEGETATION TYPES (tick one box)**

	1	2	3	4	5	6	7	8	9	10
NONE										
Liverwort/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment of 500m (see E or F)

SITE NO. 6091 1996 RIVER HABITAT SURVEY: 500M SWEEP UP

**4. LAND USE WITHIN 5m OF BANKTOP (L)**

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

**5. CHANNEL DIMENSIONS AND FEATURES**

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

**6. EXTENT 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			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clump			Underwater tree roots		
Semi continuous			Fallen trees		
Continuous			Coarse woody debris		

**7. CHANNEL CHANNEL FEATURES**

	None	Present E (≥ 1%)
Waterfall(s)		
Cascade(s)		
Rapid(s)		
Riffle(s)		
Run(s)		
Bank(s)		
Slide(s)		
Pool(s)		

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

1996 RIVER HABITAT SURVEY: DIMENSIONS AND FEATURES

**8. CHANNEL DIMENSIONS AND FEATURES**

LEFT BANK	RIGHT BANK
Banktop width (m)	Banktop height (m)
Banktop height (m)	Water width (m)
Embanked height (m)	Water depth (m)
Embanked height (m)	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 meanderpost is: riffle  run or glide  other  (tick one box)

**9. CHANNEL FEATURES**

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

**10. CHANNEL MANAGEMENT**

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

**11. FEATURES OF SPECIAL INTEREST**

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

**12. CHANNEL CHANNEL FEATURES**

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

**13. PROBABLE INFLUENCE OF FEATURES**

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

**14. OVERALL CHANNEL CRITERIA (tick appropriate box(es))**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - house - mining - quarrying - overtopping - siltation - fisheries management - siltation

Land Management: set-back - buffer strip - banked - abandoned lead - parkland - MoD

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

Other significant observations: Single channel in the distance

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

Alders? None  Present  Extensive  Divided Alders? 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 (E, H) \_\_\_\_\_  
 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 6991  
 Mid-site grid reference of network site if differs from designated location: QA

Grid Reference SP 409230 River: GLYME

Date 9/7/1996 Time 09:00 Surveyor name N. R. EVE 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 (indicate total number)**

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 STONE, WAREHAM, BH20 6BB

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

TABLE (use IFE) for Rifles Pools Unveg side bars Veg point bars

**B. PHYSICAL ATTRIBUTES (to be assessed across channel within 8' (2.5m) wide transects) = occ only**

Spot check 1 is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material <small>(W, B, O, CO, CL, SL, PE, CL, CS, W, G, M, R, S, P)</small>	EA	EA	EA	CL	CL	EA	EA	EA	EA	EA
Bank modification(s) <small>(M, N, O, R, S, P, T, U, V, W, X, Y, Z)</small>	RS	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <small>(M, N, O, R, S, P, T, U, V, W, X, Y, Z)</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b>										
Channel substrate <small>(W, B, O, CO, CL, SL, PE, CL, CS, W, G, M, R, S, P)</small>	SI	SI	SI	CL	CL	SI	SI	SI	SI	SI
Substrate shape <small>(FL, OY, EL, SP, CV, PO, BL, O, DM, ...)</small>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type <small>(T, C, H, W, U, V, O, F, R, U, P, S, M, J, D, P, O)</small>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Channel modification(s) <small>(M, N, O, R, S, P, T, U, V, W, X, Y, Z)</small>	RS	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <small>(M, N, O, R, S, P, T, U, V, W, X, Y, Z)</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>										
Material <small>(W, B, O, CO, CL, SL, PE, CL, CS, W, G, M, R, S, P)</small>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <small>(M, N, O, R, S, P, T, U, V, W, X, Y, Z)</small>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <small>(M, N, O, R, S, P, T, U, V, W, X, Y, Z)</small>	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 BL, CP, OR, MH, SC, TH, RP, IG, TL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	RL	BL	BL	BL	FL	RL	RL	BL
LEFT BANK-TOP (structure within 1m) BAUSC	S	U	U	C	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BAUSC	S	U	U	C	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	S	U	U	C	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BAUSC	S	U	U	C	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANKTOP (R)	TL	TL	TL	RL	BL	BL	BL	FL	RL	RL	BL

**G. CHANNEL VEGETATION TYPES (to be assessed every 10m wide transect)**

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 float/linear-leaved											
Filamentous algae											

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

**I. LAND USE WITHIN 50m OF BANKTOP (tick E (< 33% bank length) or R (if present))**

	L	R		L	R
road/mixed woodland (BL)	E		Rough pasture (RP)		
coniferous plantation (CP)			improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
woodland/haath (MH)			Wetland (eg bog, marsh, fen) (WL)		
rub (SC)			Open water (OW)		
all herbs/ reed vegetation (TH)			Suburban/urban development (SU)		

**J. CHANNEL DIMENSIONS AND ASSOCIATED FEATURES**

bar/sedimented	L	R	Artificial/modified	L	R
rifled/undercut			Recessed		
rip + toe			Reinforced - whole bank		
Step (> 45°)			Reinforced - top only		
cut			Reinforced - toe only		
opposite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

**K. 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		
Semi continuous			Fallen trees		
Continuous			Course woody debris		

**L. WATERFALLS AND ASSOCIATED FEATURES**

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (> 33%)
Cascade(s)			Exposed bedrock (< 1m)		
Rap(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)		

note predominant flow sequence (select up to three features): SLIDE SCOUR

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)	20	RIGHT BANK	Banktop width (m)	20
Banktop height (m)	Water width (m)	675	Banktop height (m)	Water width (m)	675
Embanked height (m)	Water depth (m)		Embanked height (m)	Water depth (m)	

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

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

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

**M. PHYSICAL ATTRIBUTES (to be assessed every 10m wide transect)**

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) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fen  Flush

**P. CHANNEL VEGETATION (to be assessed every 10m wide transect)**

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

**Q. CHANNEL VEGETATION (to be assessed every 10m wide transect)**

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

**R. RIVERBANK CHARACTERISTICS (to be assessed every 10m wide transect)**

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

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD - other? = WOODLAND

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly - damselfly

Other significant observations: Silty channel - silty - slow flowing

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

Alders? None  Present  Extensive  Diseased Alders? None  Present  Extensive

**1996 RIVER HABITAT SURVEY**

Spot check 1 is at: upstream end  downstream end  or site (tick one box)

**PHYSICAL ATTRIBUTES**

Flow category (1-10) \_\_\_\_\_  
 Platform category \_\_\_\_\_  
 Navigation? \_\_\_\_\_

Altitude (m) \_\_\_\_\_  
 Solid geology code \_\_\_\_\_  
 Distance from source (km) \_\_\_\_\_  
 Height of source (m) \_\_\_\_\_

Slope (m/km) \_\_\_\_\_  
 Drift geology code \_\_\_\_\_  
 Significant tributary? \_\_\_\_\_  
 Water Quality Class \_\_\_\_\_

**FIELD SURVEY DETAILS**

Reference network site number: 7036  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: SP 510132 River: CHERWELL  
 Date: 6/16/1996 Time: 3:05 PM Surveyor name: L. SPROCK

Accredited Surveyor? No  Yes  If yes, state number: FE9

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

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

Duplicate photographs: general character? No  Yes  (tick one box)

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

**CHANNEL CROSS SECTION**

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

Terraced valley floor? No  Yes

**NUMBER OF BRIDGES, SOILS AND POINT BARS**

Riffles: 2 Unvegetated point bars: 0  
 Pools: 0 Vegetated point bars: 0

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B170 4BB

**1996 RIVER HABITAT SURVEY - DIMENSIONS AND MEASUREMENTS**

**CHANNEL DIMENSIONS**

Spot check 1 is at: upstream end <input checked="" type="checkbox"/> downstream end <input type="checkbox"/> or site (tick one box)	1	2	3	4	5	6	7	8	9	10
Material	CL	SL	FL	SL	CL	LA	CL	FL	SL	SL
Bank modification(s)	PA	NO	NO	NO	BA	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	GP	GP	AN	GP	BE	GP	AN	AN	AN	AN
Flow type	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP
Channel modification(s)	NR	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)**

Left Bank	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)	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)	U	U	U	U	U	U	U	U	U	U
Land Use Within 5m of Bank Top (R)	IG	TH	SC	SC	SC	SC	SC	SC	SC	SC

**CHANNEL VEGETATION**

None	1	2	3	4	5	6	7	8	9	10
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/ragwort/nasturtium										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use and "tick-all" columns for types not occurring in spot checks as well as overall assessment over 500m (see E or F)

**1996 RIVER HABITAT SURVEY - 500m SWEEP SURVEY**

**LAND USE WITHIN 5m OF BANKTOP**

	L	R	L	R
Broadleaved woodland (BL)				
Coniferous plantation (CP)				
Orchard (OR)				
Moorland/heath (MH)				
Scrub (SC)				
Tall herbs - root 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)				

**BANK TOPOGRAPHY**

	L	R	L	R
Natural/unmodified				
Vertical/recessed				
Vertical + toe				
Groats				
Conspicuous				
Artificial/unmodified				
Reinforced				
Reinforced - whole bank				
Reinforced - top only				
Reinforced - toe only				
Artificial two-stage				
Poached				
Embanked				
Set-back embankments				

**TREES (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"/>
Scattered continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

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

	None	Present E (2-11%)
Standing of channel	<input type="checkbox"/>	<input checked="" 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 VEGETATION**

	None	Present E (2-11%)
Marginal deadwater	<input type="checkbox"/>	<input checked="" 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): \_\_\_\_\_

**1996 RIVER HABITAT SURVEY - DIMENSIONS AND MEASUREMENTS**

**CHANNEL DIMENSIONS**

Left Bank	Banktop width (m)	Water width (m)	Banktop height (m)
	26m	14.5m	2.5m
Right Bank	Banktop width (m)	Water width (m)	Banktop height (m)
	26m	14.5m	2.5m

**EMBEDDED HEIGHT**

Banktop height (m)	Water depth (m)	Embedded height (m)
2.5	0.2	2.3

If embankment lower than banktop break in slope, indicate: height (m) = 0.9, width (m) = 15m

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 = 0 Weirs = 0 Outfalls = 1 Pools = 0  
 Roadbridges = 0 Foodbridges = 0 Other = 0

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

**EVIDENCE OF FLOODING**

None  Drivings  Mowing  Weed-cutting   
 Embankment  Other? State: Some areas showing signs of flooding

**EXTRA FEATURES**

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

**FLOW VELOCITY**

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

**WOOD DETRITUS**

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

**MAJOR IMPACTS**

landfill - tipping - litter - sewage - pollution - drought - abstraction - fill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siltation

**LEAD MANAGEMENT**

see side - buffer strip - headland - abandoned land - partland - MoD

**ANIMALS**

otter - minnow - water vole - kingfisher - dapper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:  
broader wetland on bank to left of bank - vegetation in series of lines  
in places can be seen into channel - vegetation in series of lines

**ALDERS**

Alders? None  Present  Extensive  Deadwood 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 **7036**

Mid-site grid reference of network site if different from designated location. **QA**

Grid Reference **SP 510 132** River: **CHERWELL**

Date **9/17/1996** Time **14:30** Surveyor name **N. GRIEVE** Accreditation code **F12**

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

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

IFE single photograph: general character? No  Yes  (tick one box)  
(duplicate will be 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	<input type="checkbox"/> 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 **2** Unvegetated point bars \_\_\_\_\_

Pools \_\_\_\_\_ Vegetated point bars \_\_\_\_\_

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

**TABLE 1 (see IFE for Riffles) Flats Unveg. side bars Veg. point bars**

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

Spot check (1-10) upstream/downstream	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>	TICK IF fractional focus									
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	NO	NO	RS	RS	RS	RS	RS	RS
Bank feature(s)	VS	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b>	TICK IF fractional focus									
Channel substrate	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
Substrate shape	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Plan type	SM	RP	SM	SM	RP	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 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)	SC	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>III. 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, 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) BUI/SC	S	S	U	S	U	S	U	U	U	U
LEFT BANK FACE (structure) BUI/SC	S	C	C	S	S	S	S	U	U	U
RIGHT BANK FACE (structure) BUI/SC	S	C	C	C	S	C	C	C	C	C
RIGHT BANK-TOP (structure within 1m) BUI/SC	U	U	S	S	C	U	S	C	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	BL	BL	TA	IG	BL	BL	BL
<b>IV. CHANNEL VEGETATION TYPES (tick one box)</b>										
NONE / PLANT GENERA - list first 5										
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										

**LAND USE WITHIN 50m OF BANKTOP (tick one box per band)**

	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/nant vegetation (TH)			Suburban/urban development (SU)		

**VEGETATION TYPES (tick one box per band)**

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

**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"/>
Concrete woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**WATERFALLS AND OTHER FEATURES (tick one box per feature)**

	None	Present E (≥ 33%)
Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed boulders	<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 type="checkbox"/>	<input checked="" type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unvegetated 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): **FLIDS**

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

LEFT BANK	Banktop width (m)	23.0	RIGHT BANK	
Banktop height (m)	Water width (m)	15.75	Banktop height (m)	2.0
Embanked height (m)	Water depth (m)	0.85	Embanked height (m)	

If trushline lower than banktop break in slope, indicate: height (m) = 1.5 width (m) = 19.0

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 ATTRIBUTES (tick one box per attribute)**

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

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

**III. EVIDENCE OF RIVER MANAGEMENT (tick one box per management type)**

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

**IV. 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  Floe  Flush

**V. CHANNEL CHANNELS (tick one box per channel)**

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

**VI. CHANNEL VEGETATION PLANT SPECIES (tick one box per species)**

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

**VII. CHANNEL CHARACTERISTICS (tick one box per characteristic)**

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  headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

Animals:  otter - mink - water vole  Kingfisher  dipper - grey wagtail - sand martin - heron  Kingfisher  Kingfisher

Other significant observations: **Clear flowing in River** **Active granite**  
**Good variety of macroinvertebrates**

**VIII. ALTERS (tick one box per alter)**

Alters? None  Present  Extensive  Diseased Alters? None  Present  Extensive

1996 RIVER HABITAT SURVEY WITH MODIFIED RIFFLES AND POINT BAR

**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: 7069  
 Mid-site grid reference of network site (if different from designated location):

Grid Reference: River:  
 Date: 12/11/1996 Time: 10:18 Surveyor name: J.L. Accreditation code: C667

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

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

IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be 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 (total number)**

Riffles 9 Unvegetated point bars 2  
 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 6BS

1996 RIVER HABITAT SURVEY WITH SPOT CHECKS

TABLE (see RB) for Riffles 1-11 Pools Unveg. side bars Veg point bars

**E. PHYSICAL ATTRIBUTES (to be assessed every channel width of 1m and structure)**

Spot check 1 in: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK: Material	FA	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: Channel substrate	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
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

**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, RL, TL, WL, OW, SU

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

**G. CHANNEL VEGETATION (tick appropriate number)**

NONE	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										
Fibrous stems										

SITE NO. 7069

**H. CHANNEL DIMENSIONS AND BANK PROFILES**

LEFT BANK	Banktop width (m)	6.5	RIGHT BANK	Banktop width (m)	6.5
Banktop height (m)	0.5	Water width (m)	6.0	Banktop height (m)	0.5
Embedded height (m)	0.5	Water depth (m)	0.15	Embedded height (m)	0.5

If channel 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 appropriate number)**

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

**J. CHANNEL MANAGEMENT (tick appropriate number)**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? State:

**K. CHANNEL VEGETATION (tick appropriate number)**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Braided/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

**L. CHANNEL VEGETATION (tick appropriate number)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? (Name) Rhododendron fructus

**M. CHANNEL VEGETATION (tick appropriate number)**

Major impact: boatlift - clipping - 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 - abandoned land - pasture - MoD - other? =

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

Other significant observations:  
 A bridge across the river. Small area of reed in silted channel.

**N. CHANNEL VEGETATION (tick appropriate number)**

Alert? None  Present  Extensive  Obvious Alert? None  Present  Extensive

**O. CHANNEL VEGETATION (tick appropriate number)**

None	1	2	3	4	5	6	7	8	9	10
Waterfalls										
Cascades										
Rapids										
Riffles										
Runs										
Bolls										
Slides										
Pools										

Indicate predominant flow sequence (select up to three features): R (1) L (1) C (1)





1996 RIVER HABITAT SURVEY SP626030

**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

**FIELD SURVEY DATA**

Reference network site number: 7079  
 Mid-site grid reference of network site (if differs from designated location): SP625033

Originally designed? Grid Reference: SP626030 River: UN-NAMED TRAME TAIB.  
 Date: 26/6/1996 Time: 10:30 Surveyor name: ALASTAIR DRIVER

Accredited Surveyor? No  Yes  If yes, state number: FB9  
 Adverse conditions affecting survey? No  Yes  If yes, state number of 1/2 etc: 4/3 etc  
 Bad of river visible? No  partially  entirely  (tick one box)

Duplicate photographs: general character? No  Yes  (tick one box)

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

**DOMINANT 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

**DOMINANT NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box)**

Rifles  Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH10 6BB

1996 RIVER HABITAT SURVEY SPOT CHECKS

Spot check 1 (1 of 10 upstream end  downstream end  of site (tick one box))

**PHYSICAL ATTRIBUTES (tick one box)**

\* use entry only

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material	EA	EA	EA	EA	EA	EA				
Bank modification(s)	RS	RS	RS	RS	RS	RS				
Bank feature(s)	NO	NO	NO	NO	NO	NO				
<b>CHANNEL</b>										
Channel substrate	S1	S1	S1	S1	S1	S1				
Flow type	BNL	NV	SM	NP	NP	NP				
Channel modification(s)	RS	RS	RS	RS	RS	RS				
Channel feature(s)	NO	NV	NO	NO	NO	NO				
<b>RIGHT BANK</b>										
Material	EA	EA	EA	EA	EA	EA				
Bank modification(s)	RS	RS	RS	RS	RS	RS				
Bank feature(s)	NO	NO	NO	NO	NO	NO				

**LAND USE AND VEGETATION STRUCTURE**

Land use: choose one from EL, CF, OR, MH, EC, TH, AF, IG, R, PL, OR, SU

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

**CHANNEL VEGETATION TYPES (tick one box)**

NONE (Overgrown with brambles)		/								
Liverworts/mosses/lichens										
Emergent broad-leaved herbs	E		E		E					E
Emergent reeds/sedges/rushes / grasses				E	/	E				E
Floating-leaved (rooted)										
Free-floating				E	E					E
Ambulans										
Submerged broad-leaved										
Submerged float/linear-leaved										
Filamentous algae										/

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use E or /)

SITE NO. 7079 1996 RIVER HABITAT SURVEY SPOT CHECKS

**LAND USE WITHIN 5m OF BANKTOP (tick one box)**

	L	K		L	R
Broadleaf/maize - 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)		

**LEFT BANK PROFILE**

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

**VEGETATION TYPES AND ASSOCIATED FEATURES**

TREES (tick one box per bank)

None	Left	Right	None	Present E (≥ 11%)
Isolated/scattered	/	/	Shading of channel	/
Regularly spaced, single	/	/	Overhanging boughs	/
Occasional clumps	/	/	Exposed bankside roots	/
Scam continuous	/	/	Underwater tree roots	/
Continuous	/	/	Fallen trees	/
			Coarse woody debris	/

ASSOCIATED FEATURES (tick one box per feature)

None	Present E (≥ 11%)
Waterfall(s)	/
Cascades(s)	/
Rapid(s)	/
Riffle(s)	/
Run(s)	/
Bank(s)	/
Island(s)	/
Channel(s)	/
Pool(s)	/
Marginal dead-water	/
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)	/

Indicate predominant flow sequence (select up to three features) NO FLOW (N/A) (1)

1996 RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES

**CHANNEL DIMENSIONS (tick one box)**

LEFT BANK	Banktop width (m)	2.7	RIGHT BANK		
Banktop height (m)	1.3	Water width (m)	1.5	Banktop height (m)	1.0
Embanked height (m)		Water depth (m)	0.4	Embanked height (m)	

If trashing 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)

**MAN-MADE STRUCTURES**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0  
 Footbridges = 1 Other = 200 - in hard bed bank

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

**TYPE OF CHANNEL MANAGEMENT**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State:

**FEATURES OF SPECIAL INTEREST**

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state):  
 Bruided/side channels  Natural open water  Curr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Fes  Fluit

**IS 33% OR MORE OF THE CHANNEL CHOKED WITH VEGETATION?** NO  YES

**MAN-MADE STRUCTURES AND PLANT SPECIES**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? State:

**LOCAL GOVERNMENT CHARACTERISTICS**

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - effluent - fishery management - filling

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD

Animals: otter - mink - water vole - largemouth bass - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Large RL damselfly  
Tulle Pine

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

Alders? None  Present  Extensive  Present  Extensive

**A. BACKGROUND MAP-BASED INFORMATION**

Altitude (m) \_\_\_\_\_ Slope (m/km) \_\_\_\_\_ Flow category (1-10) \_\_\_\_\_  
 Soil geology code \_\_\_\_\_ Lith. 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 7079  
 Mid-site grid reference of network site if different from designated location: QA

Grid Reference: SP 626030 River: LAW-NAMED TRIB OF THAME.  
 Date: 19.7.1996 Time: 16.00 Surveyor name: N. F. R. E. V. E. 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 2 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 STOKES, WAREHAM, BH20 6BB

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

Spot check is upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b>										
Material <u>WV, AV, BO, CO, GS, EA, FL, CL, CC, SP, WF, GA, BR, BV</u>	FA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>WV, AV, BO, AS, FL, FC, BM, EM</u>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <u>WV, AV, BO, EC, SC, PV, BV, VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b>										
Channel substrate <u>WV, AV, BO, CO, GS, EA, FL, CL, CC, SP, WF, GA, BR, BV</u>	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1
Substrate shape <u>FL, OV, EL, SF, CO, PD, OL, Oth. = null</u>	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA
Flow type <u>FL, CH, SW, LW, CF, RP, UP, SM, WF, WJ</u>	RP	WJ	RP	SM	SM	SM	SM	RP	SM	SM
Channel modification(s) <u>WV, AV, BO, AS, FL, FC, BM, EM</u>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) <u>WV, AV, BO, EC, SC, PV, BV, VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b>										
Material <u>WV, AV, BO, CO, GS, EA, FL, CL, CC, SP, WF, GA, BR, BV</u>	FA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>WV, AV, BO, AS, FL, FC, BM, EM</u>	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) <u>WV, AV, BO, EC, SC, PV, BV, VS</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

Land use: choose one from BL, CP, OR, NH, SC, TR, RP, IG, TL, 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>BRUSAC</u>	S	S	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <u>BRUSAC</u>	S	C	C	C	C	S	S	S	S	S
RIGHT BANK FACE (structure) <u>BRUSAC</u>	S	S	C	C	C	S	S	S	S	C
RIGHT BANK-TOP (structure within 1m) <u>BRUSAC</u>	U	S	S	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	BL	IG	IG	IG	IG	IG	IG	IG

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

NONE  PLANT GENERA - list first 5

	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emerg broad-leaved herbs <u>EP, Jole, etc.</u>				V	E	E	V	V	V	V
Emerg roots/reeds/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear-leaved										
Filamentous algae										

**H. LAND USE WITHIN 50m OF BANKTOP (tick one box per bank)**

	L	R		L	R
ruderal/mixed woodland (BL)		<input checked="" type="checkbox"/>	Rough pasture (RP)		
coiferous plantation (CP)			Improved/semi-improved grass (IG)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (log bog, marsh, fen) (WL)		
rub (SC)			Open water (OW)		
all herbs' root vegetation (TH)		<input checked="" type="checkbox"/>	Suburban/urban development (SU)		

**I. NATURAL/SEMIMODIFIED**

	L	R	Artificial/modified	L	R
artificial/woodcut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recoffered		<input checked="" type="checkbox"/>
artificial + toe	<input checked="" type="checkbox"/>		Reinforced - whole bank		<input checked="" type="checkbox"/>
Steep (>45°)	<input checked="" type="checkbox"/>		Reinforced - top only		
Geank	<input checked="" type="checkbox"/>		Reinforced - toe only		
separate			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	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 checked="" type="checkbox"/>
Occasional clumps	<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"/>	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"/>

**K. WATERFALLS AND ASSOCIATED FEATURES**

	None	Percent E (≥ 33%)		None	Percent 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 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"/>
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 checked="" 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): SLIDE + RP

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

	Banktop width (m)	Banktop height (m)	Water width (m)	Water depth (m)	Embanked height (m)
LEFT BANK	3.0	0.6	0.75	0.01	
RIGHT BANK		0.7			

If trapezoid lower than banktop break in slope, indicate: height (m) = 0.25 width (m) = 1.0

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

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

**M. CHANNEL FEATURES (tick one box only)**

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

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

**N. CHANNEL MANAGEMENT (tick one box only)**

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

**O. CHANNEL OR SPECIAL INTEREST (tick one box only)**

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 CHOKED WITH VEGETATION**

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

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

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

**R. CHANNEL CHARACTERISTICS (tick one box only)**

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 - headland - abandoned land - parkland - MoD - other? WRAZUK

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

Other significant observations: ES ditch, mostly organic

**S. ALDERS (tick one box only)**

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: 7186  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: \_\_\_\_\_  
 Date: 10/5/1996 Time: 15.00 Surveyor name: JJC Accreditation code: (P43)  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 IFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be 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, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY WITH SPOT CHECKS Page 2 of 2

TALLY (use Jiffy for Rifles) Pools Unveg. side bars Veg. point bars

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

Spot check 1 is: upstream  downstream

	1	2	3	4	5	6	7	8	9	10
<b>LEFT BANK</b> (tick one functional feature)										
Material <i>NY, BE, BO, CO, CS, EA, FE, CL, CC, SP, NY, GA, BR, BR, BV</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>NE, NO, NS, RI, FC, BM, EM</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <i>NY, NO, EC, SC, PV, SP, SV, VS</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CHANNEL</b>										
Channel substrate <i>NY, BE, BO, CO, CP, SA, SI, CL, PEAR</i>	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape <i>FL, OV, EL, SF, CU, PD, DR, OTHER</i>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type <i>FF, CH, BN, UN, CT, RP, UP, SH, RP, NO</i>	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF
Channel modification(s) <i>NE, NO, NS, RI, FC, BM, EM</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <i>NY, NO, EC, SC, PV, SP, SV, VS</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>RIGHT BANK</b> (TICK if functional feature)										
Material <i>NY, BE, BO, CO, CS, EA, FE, CL, CC, SP, NY, GA, BR, BR, BV</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>NE, NO, NS, RI, FC, BM, EM</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <i>NY, NO, EC, SC, PV, SP, SV, VS</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 RL, CP, OR, NH, SC, TH, RR, RG, FL, WL, ON, SU

LAND USE WITHIN 5m OF BANKTOP (L)	SG	TE	SE	IG	IE	IC	IF	IG	IF
LEFT BANK-TOP (structure within 1m) <i>BRUSC</i>	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <i>BRUSC</i>	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) <i>BRUSC</i>	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) <i>BRUSC</i>	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TE	TE	TE	TE	TE	TE	TE	TE	TE

**G. CHANNEL VEGETATION AND PLANT GENERA (tick one box)**

NONE  / PLANT GENERA - list first 5

Bryophytes/lichens									
Emerg broad-leaved herbs <i>Alisma, Najas</i>									
Emerg reeds/iridaceae/rushes <i>Phragmites, Juncus</i>	E	E	E	E	E	E	E	E	E
Floating-leaved (rooted)									
Free-floating									
Amphibious <i>Potamogeton</i>									
Submerged broad-leaved <i>Callitriche</i>									
Submerg. free/linear-leaved <i>Potamogeton</i>									
Filamentous algae <i>Enteromorpha</i>									

SITE NO: 7186

**H. LAND USE WITHIN 50m OF BANKTOP**

	L	R		L	R
Broadleaved/maized 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)		X
Scrub (SC)			Open water (OW)		✓
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

**I. CHANNEL VEGETATION AND PLANT GENERA (tick one box)**

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

**J. TREE AND ASSOCIATED FEATURES (tick one box per feature)**

<b>TREES</b> (tick one box per bank)	Left	Right	<b>ASSOCIATED FEATURES</b> (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 AND PLANT GENERA (tick one box per feature)**

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)		
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): Pool

1996 RIVER HABITAT SURVEY DIMENSIONS AND DISTURBANCES

**L. CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	2.5	RIGHT BANK	
Banktop height (m)	Water width (m)	2.0	Banktop height (m)	0.3
Embanked height (m)	Water depth (m)	0.3	Embanked height (m)	

If measuring 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 AND PLANT GENERA (tick one box)**

None  Number of Culverts = \_\_\_\_\_ Weirs = \_\_\_\_\_ Outfalls = \_\_\_\_\_ Fords = \_\_\_\_\_  
 Footbridges = 111 Roadbridges = \_\_\_\_\_ Other = (R/L) \_\_\_\_\_  
 Is water impounded by weir/dam? No  Yes, <33% of site  >33% of site

**N. CHANNEL VEGETATION AND PLANT GENERA (tick one box)**

None  Dredging  Mowing  Wood-cutting   
 Enhancement  Other? Silt

**O. CHANNEL VEGETATION AND PLANT GENERA (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

**P. CHANNEL VEGETATION AND PLANT GENERA (tick one box)**

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

**Q. CHANNEL VEGETATION AND PLANT GENERA (tick one box)**

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

**R. CHANNEL VEGETATION AND PLANT GENERA (tick one box)**

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 - headland - abandoned land - parkland - MoD - other? = \_\_\_\_\_

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

Other significant observations: Orange ditch running through PG (sharp gorges). Area of dense Phragmites along open water. Open water in deep.

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

Alders? None  Present  Extensive  Disused Alders? None  Present  Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude(m)	Slope (m/100m)	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: **7186** *upd QA*  
 Mid-site grid reference of network site if different from designated location:

Grid Reference: **TQ 719 751** River: **UN-NAMED TRIB OF THAMES**

Date: **1.7.1996** Time: **13.00** Surveyor name: **N. FRIEVS** 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)

<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:

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

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) (tick one only, only)

Spot check 1m upstream	1	2	3	4	5	6	7	8	9	10
Material (WY NO CO GRAVE CL CC SP WY CL M B W)	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 (WY NO CO OF CL SP WY CL M B W)	SI	SI	SI	SI	SI	SI	SI	SI	SI	SI
Substrate shape (FL OV EL SP CU PO BL OWH)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type (FL OV EL SP CU PO BL OWH)	NO	NO	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

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

Land use: choose one from IL, CP, OL, NR, K, TH, RP, RG, TL, ML, OW, BI

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	RP	RP	RP	RP	RP	TH	TH	TL
LEFT BANK-TOP (structure within 1m) BASIC	U	U	U	U	U	U	U	S	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 1m) BASIC	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	IG	RP	RP	IG	RP	RP	IG	IG

CHANNEL VEGETATION (tick one box)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedge/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibians										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

LAND USE WITHIN 5m OF BANKTOP (tick one box)

	L	R		L	R
Wood/mixed woodland (BL)			Rough pasture (RP)		
Arable plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
b (SC)			Open water (OW)		
herbs' nest vegetation (TY)			Suburban/urban development (SU)		

NATURAL/UNMODIFIED

	L	R	Artificial/modified	L	R
cut/uncut			Reinforced		
cut + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
poate			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

TRACES (tick one box per bank)

	None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present	E (2-33%)
None				Shading of channel			
Isolated/restricted				Overhanging boughs			
Regularly spaced, single				Exposed bankside roots			
Occasional clumps				Underwater tree roots			
Scarc continuous				Fallen trees			
Continuous				Course woody debris			

WATERFALLS AND OTHER FEATURES

	None	Present	E (2-33%)		None	Present	E (2-33%)
Waterfall(s)				Isolated deadwater			
Caecid(s)				Exposed bedrock			
Rapid(s)				Exposed boulders			
Riffle(s)				Unvegetated mid-channel bar(s)			
Run(s)				Vegetated mid-channel bar(s)			
Flow(s)				Mature island(s)			
Obd(s)				Unvegetated side bar(s)			
Pool(s)				Vegetated side bar(s)			

etc predominant flow sequence (select up to three features): **STAGNANT**

CHANNEL DIMENSIONS (to be assessed at basic site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	4.25	RIGHT BANK
Banktop height (m)	Water width (m)	2.25	Banktop height (m)
Embanked height (m)	Water depth (m)	0.1	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)

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

EVIDENCE OF BANK MANAGEMENT

None  Dredging  Mowing  Wood cutting   
 Enhancement  Other? State

FEATURES OF SPECIAL INTEREST

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

CHOKED CHANNEL

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

DIAMETER OF CHANNEL

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

MAJOR IMPACTS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - eating - quarrying - gravel-pitting - afforestation - fisheries management - siting - 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 - dragonfly/damselfly

Other significant observations: **RS lowland ditch - mink in draining sheep!**

Aliens? None  Present  Extensive  Observed Aliens? 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	

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### FIELD SURVEY DETAILS

Reference network site number: 7288

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

Grid Reference: \_\_\_\_\_ River: \_\_\_\_\_

Date 20.16.1996 Time: 15.20 Surveyor name N. Munn 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)

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### DOMINANT VALLEY FORM

<input type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl (If U-shaped glacial valley - add "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 NOTBS: \_\_\_\_\_

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### RIFLES AND POOLS

Rifles <u>19</u>	Unvegetated point bars <u>0</u>
Pools <u>0</u>	Vegetated point bars <u>0</u>

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO  
 P. B. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6SS

### RIVER HABITAT SURVEY - DIMENSIONS AND IMPACTS

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

Spot check 1 is: upstream <input type="checkbox"/> downstream <input type="checkbox"/>	Channel									
	1	2	3	4	5	6	7	8	9	10

---

### LEFT BANK

Material	CL	EO	GA	GB	CL	GA	GB	GA	GB	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

---

### CHANNEL

Channel substrate	CO	CO	CL	CL	GP	GP	CL	GP	GP
Substrate slope	PO	PO	FL	IR	CU	PO	IR	PO	PO
Flow type	UW	RP	RP	RP	UW	UW	UW	UW	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

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### RIGHT BANK

Material	CL	GA	GA	CL	CO	GA	GA	CL
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO

---

### LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK TOP (structure within 1m)	BL	BL	BL	BL	BL	BL	BL	BL	TH
LEFT BANK FACE (structure)	BL	BL	BL	BL	BL	BL	BL	BL	BL
RIGHT BANK FACE (structure)	BL	BL	BL	BL	BL	BL	BL	BL	BL
RIGHT BANK TOP (structure within 1m)	BL	BL	BL	BL	BL	BL	BL	BL	BL
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	TH

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### U. CHANNEL VEGETATION TYPES

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"/>
Hydrophytes/Scirpus		<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"/>
Emerg. 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"/>
Amblyops		<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"/>
Submerg. 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 type="checkbox"/>

### LAND USE WITHIN 5m OF BANKTOP

	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"/>	<input checked="" type="checkbox"/>
Orchard (OC)			Other land (OL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/just vegetation (TH)			Suburban/rural development (SU)		

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### NATURAL/UNMODIFIED

	L	R		L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Eroded		
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		
Groynes			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	<input checked="" type="checkbox"/>	
			Embedded		
			Set-back embankments		

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### TREES (pick one box per bank)

	Left	Right	ASSOCIATED FEATURES (pick one box per feature)	None	Percent E (2.5%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/unscattered	<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"/>
Small clumpiness	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Clumpiness	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

---

### MARGINAL VEGETATION

	None	Percent E		None	Percent E (2.5%)
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 checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Rifle(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"/>
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): Left - Right

### CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	2.20	RIGHT BANK
Banktop height (m)	0.2	Water width (m)	1.30
Embedded height (m)		Banktop height (m)	0.4
Banktop slope (m)		Water depth (m)	0.05
Banktop break in slope, banktop width (m)		Banktop width (m)	
Banktop break in slope, banktop width (m)		Banktop width (m)	

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

---

### VEGETATION FEATURES

Number of: Culverts = 0, Weirs = 0, Outfalls = 0, Fords = 0  
 Footbridges = 0, Roadbridges = 0, Other = 0

Is water impounded by weir/dam? No  Yes, < 13% of site  > 13% of site

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### MANAGEMENT

None  Dredging  Mowing  Weed-cutting   
 Embankment  Other 1 State

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### FEATURES OF SPECIAL INTEREST

None  Waterfalls > 5m high  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Bedded/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-NATIVE PLANT SPECIES

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other?  Non-native Rhododendron bracken

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### SPECIAL INTERESTS

Major features: \_\_\_\_\_  
 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: Small stream with many pools. Several small islands. Some grassy areas on channel.

Absent? None  Present  Extensive  Dispersed Absent? None  Present  Extensive

**BACKGROUND MAP-BASED INFORMATION**

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

Reference network site number: **7288** *DA*

Mid-site grid reference of network site (if different from designated location)

Grid Reference: River:

Date: **29/6/1996** Time: **1530** Surveyor name: **M. HENNING** Accreditation code: **101**

Adverse conditions affecting survey? No  Yes  If yes, state

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

LFE single photograph: general character? No  Yes  (tick one box)  
 (duplicate will be 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/boat (if U-shaped glacial valley - add "U" lower section (3 cm))  
 deep vee  symmetrical floodplain  
 gorge  asymmetrical floodplain

Terraced valley floor? No  Yes  | LFE - VALLEY FORM NOTES:

Riffles **49** Unvegetated point bars **1**

Pools **51** Vegetated point bars **1**

COMPLETED FORMS WHEELS plus all water samples and express claims TO  
 A/WSM, DR, RIVER LABORATORY, EAST STOKES, WARRAM, BR70 6EE

**VEGETATION SURVEY**

Site code: **7288** Section: **1** Point: **1** Name: **DA**

Material	CL	CO	EA	CO	EA	CA	CO	RE	CA	CL
Bank modification(s)	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Bank feature(s)	N0	PL	N0	N0	N0	N0	N0	SO	N0	N0
Channel substrate	CO	CO	BE	BE	GP	GP	FP	BE	GP	GP
Substrate shape	PO	EL	FL	IK	CU	IK	IK	FL	FL	IP
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Channel feature(s)	N0	RD	N0	RO	M8	VR	N0	N0	N0	N0
Material	EA	EA	EA	EA	CA	CO	EA	CO	CL	CL
Bank modification(s)	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Bank feature(s)	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0

Land use: check one from BL, CL, CR, DR, FL, GP, IL, PL, RL, TH, TR, UL, UR, VR

LAND USE WITHIN 5m OF BANK TOP (L)	RR	BL	TH	BL	CL	BL	PL	BL	TH
LEFT BANK TOP (structure width 1m) BASIC	S	B	S	C	S	C	C	S	S
LEFT BANK FACE (structure) BASIC	S	B	S	C	S	S	S	S	R
RIGHT BANK FACE (structure) BASIC	S	C	S	S	S	B	S	S	R
RIGHT BANK TOP (structure width 1m) BASIC	C	S	S	S	S	S	S	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	IF	BL	BL	BL	BL	BL	BL	TH

**PLANT SPECIES**

MONS	PLANT GENERA - Est. 5m								
Bryophytes/lichens		✓	✓	✓	✓	✓	✓	✓	✓
Emergent broad-leaved herbs					✓	✓	✓	✓	✓
Emergent sedge/reeds									
Floating-leaved (terrestrial)									
Free-floating									
Amphibians									
Submerged broad-leaved									
Submerged fine-leaved									
Phanerogam algae									

**NO 7288 RIVER HABITAT SURVEY**

Ground/raised woodland (BL)	L	R		L	R
Open plantation (CP)	E	E		E	
et (OE)					
Moorland/heath (AO)					
Orch (OC)					
Open water (OW)					
Urban/road vegetation (TU)	✓	✓			
Suburban/urban development (SU)					

**Natural/modified**

Vertical/erosion	L	R		L	R
1-10%	✓	✓			
>45%		✓			
Grades					
Composite					

**TRIGS (pick one box per bank)**

None	Left	Right	Shading of channel	None	Percent E (2-11%)
Leafless/overhanging			Overhanging boughs		
Regularly spaced, dense			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Small continuous			Pulsa trees		
Continuous	✓	✓	Coarse woody debris		

**ASSOCIATED FEATURES (pick one box per feature)**

Marginal decumbent	None	Percent E (2-11%)
Exposed bedrock		
Exposed boulders		
Unvegetated mid channel bar(s)		
Vegetated mid channel bar(s)		
Vegetated island(s)		
Unvegetated side bar(s)		
Vegetated side bar(s)		

**Waterfalls**

Waterfall(s)	None	Percent E (2-11%)
Downfall(s)		
Rapid(s)		
Riffle(s)		
Run(s)		
Bank(s)		
Slide(s)		
Pool(s)		

dominant flow sequence (select up to three features): **Riffle Riffle Gorge**

**POWER HABITAT SURVEY**

Left Bank: **2-15%** Right Bank: **2-4%**

Banktop height (m): **2-4.0** Water width (m): **1-3.0** Banktop height (m): **0.60**

Embankment height (m): **2.05** Embankment height (m): **0.60**

Bed material at site is: unconsolidated (coarse)  unconsolidated (fine)  Chalkstone

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

None  Number of Culverts = **1** Weirs = **1** Outfalls = **0** Fords = **0**  
 None  Number of Roadbridges = **1** Other = **0**

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

None  Dragging  Moving  Weed cutting   
 Enhancement  Other? State

None  Artificial open water  Bog  Other (state) **Wet woodland on a left bank**  
 Shaded/steep channel  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Leafy debris  Run  Flush

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

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Name **Rhodochoetia frutescens**

Major Impact: bank(s) - slipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - effluent - siltation management - drying - other? -

Land Management: cut bank - buffer strip - headland - abandoned bed - portland - MoD - other? -

Animals: other - eel - water vole - kingfisher - dipper - grey heron - mud martin - heron - dragonfly/damselfly

Other significant observations: **Sleep small run. Bad rock suitable to cuttable. Will pockets of grass silt. Bank silt clay from cuttable - gravel. None in channel.**

Advers? None  Present  Extensive  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: 7295  
 Mid-site grid reference of network site if different from designated location: \_\_\_\_\_

Grid Reference: 395334 River: SCWY  
 Date: 17.5.1996 Time: 8:00 Surveyor name: lan hughes Accreditation code: PF36

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

Bot 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. 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.B. DAWSON, IFE, RIVER LABORATORY, EAST STOEKE, WALKERHAM, BN20 6BB

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

Left Bank	TICK if functional feature	1	2	3	4	5	6	7	8	9	10
Material (M) M=CO GS CL FC CLC CLP CLM CLN CLP	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE
Bank modification(s) M=NO AS RI FC AN FM	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) M=NO DC EC FC PV PL SL VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (S) M=NO CO GS CL FC CLC CLP CLM CLN CLP	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape (F) F=NO DL SL FC PL SL DM DMV DMW	FA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type (T) T=NO DL SL FC PL SL DM DMV DMW	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) M=NO AS RI FC AN FM	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Channel feature(s) M=NO DC EC FC PV PL SL VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	TICK if functional feature										
Material (M) M=CO GS CL FC CLC CLP CLM CLN CLP	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE
Bank modification(s) M=NO AS RI FC AN FM	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s) M=NO DC EC FC PV PL SL 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 L, CP, DL, HR, K, TL, RP, IG, FL, WL, OW, BU

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP (structure within 1m) BWSIC	U	U	S	S	S	S	U	U	S
LEFT BANK FACE (structure) BWSIC	U	S	S	U	S	U	U	U	S
RIGHT BANK FACE (structure) BWSIC	S	S	S	U	U	S	U	U	U
RIGHT BANK TOP (structure within 1m) BWSIC	U	U	S	U	S	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	RP	RP	RP

**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/sedges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerged fine/linear-leaved									
Filamentous algae									

ITE NO. 1996 RIVER HABITAT SURVEY: 500m SWEEP

**H. LAND USE WITHIN 5m OF BANKTOP (to be assessed over a 10m wide transect)**

	L	R		L	R
woodland/mixed woodland (BL)			Rough pasture (RP)		E
outcrop/plantation (CP)			improved/semi-improved grass (IG)	E	E
orchard (OK)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
park (PK)			Open water (OW)		
All built/semi-vegetation (TK)			Suburban/urban development (SU)		

**I. NATURAL/UNMODIFIED**

	L	R	Artificial/modified	L	R
artificial/woodcut			Reconciled	E	E
artificial + toe			Reinforced - whole bank		
rip (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
impacted			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

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

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"/>

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

None	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Overhanging boughs	<input checked="" type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>		

**L. CHANNEL CHARACTERISTICS**

Waterfall(s)	None	Present E (≥ 1%)
Concave(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(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"/>

**M. MAJOR IMPACTS**

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

Land Management: set-back - buffer strip - headland - abandoned land - portland - MoD - other? = \_\_\_\_\_

Animals: other - mast - water vole - hares - grey wagtail - mud martin - heron - dragonflies/damselflies - PRG of SWANS

Other significant observations: lots of completely still water in the left of the channel

**N. ALGAE (tick appropriate box(es))**

Algae? None  Present  Extensive  Discussed Algae? None  Present  Extensive

**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	Backstop width (m)	<u>11.0</u>	RIGHT BANK	
Backstop height (m)	Water width (m)	<u>8.0</u>	Banktop height (m)	<u>0.3</u>
Embedded height (m)	Water depth (m)	<u>1.5</u>	Embedded height (m)	

If tranches lower than banktop level on 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)

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

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 ACTIVE 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. CHANNEL VEGETATION (to be assessed over a 10m wide transect)**

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

**Q. RIVER BANK VEGETATION (to be assessed over a 10m wide transect)**

None  Giant Hogweed  Himalayan Balsam  Japanese Knotweed  Other? Nettle Rhododendron brack \_\_\_\_\_

**R. MAJOR IMPACTS**

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

Land Management: set-back - buffer strip - headland - abandoned land - portland - MoD - other? = \_\_\_\_\_

Animals: other - mast - water vole - hares - grey wagtail - mud martin - heron - dragonflies/damselflies - PRG of SWANS

Other significant observations: lots of completely still water in the left of the channel

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

Algae? None  Present  Extensive  Discussed Algae? None  Present  Extensive



BACKGROUND MAP-BASED INFORMATION

Atmospheric: Vapour density, Wind category (1-10)
Visual geology code: Land geology code, Hazardous category
Elevation from source (m): Significant tributary, Navigation
Height of source (m): Water Quality Class

Reference network site number: 7296
Mid-site grid reference of network site if different from designated location:

Grid Reference: ST 475505 River: CARY
Date: 7/16/1996 Time: 14:10 Surveyor name: AGAINE
Accredited Surveyor? No Yes
Adverse conditions affecting survey? No Yes
Bad of river visible? No partially entirely
Duplicate photographs: general character? No Yes
Site surveyed from: left bank right bank channel

CHANNEL CROSS SECTION FORM

Channel cross-section diagrams with labels: shallow voc, deep voc, gorge, concave/bowl, symmetrical floodplain, asymmetrical floodplain, terraced valley floor? Riffles, Pools, Unvegetated point bars, Vegetated point bars

Physical attributes table with columns for Left Bank and Right Bank, rows for Material, Bank modification, Bank failure, Channel substrate, Flow type, Channel modification, Channel failure, Land use within 5m of bank top, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibians, Submerged broad-leaved, Submerged fine-leaved, Filamentous algae

LAND USE WITHIN 5m OF BANK TOP

Table with columns L, R and rows: unmodified woodland (BU), uniform plantation (CP), Orchard (OR), woodland/moat (MO), rub (RQ), all herbs - rural vegetation (TH), Suburban/urban development (SU)

Table with columns L, R and rows: sturm/unmodified, critical/unmodified, Vertical + toe, Steep (>45°), cobb, composite, Artificially modified, Reinforced - whole bank, Reinforced - top only, Reinforced - toe only, Artificial two-stage, Paved, Embankment, Set back embankments

TREES (pick one bar per bank) and ASSOCIATED FEATURES (pick one bar per feature) including: Shading of channel, Overhanging boughs, Exposed bankside roots, Underwater tree roots, Fallen trees, Coarse woody debris

Table with columns None, Present, E (2-33%) and rows: Waterfall(s), Cascades(s), Rapid(s), Riffle(s), Run(s), Bank(s), Island(s), Point(s), Marginal dead-water, Exposed bedrock, Exposed boulders, Unvegetated and channel bank(s), Vegetated mud channel bank(s), Marine island(s), Unvegetated side bank(s), Vegetated side bank(s)

DIMENSIONS AND INFLUENCES

Form with sections: LEFT BANK, RIGHT BANK, Banktop width, Water width, Banktop height, Water depth, Embankment height, Number of Culverts, Weirs, Outfalls, Fords, Location of measurement, Major impacts, Land Management, Animals, Other significant observations

Indicate predominant flow sequence (select up to three features)

Other? None Present E (2-33%)



**A BACKGROUND MAP-BASED INFORMATION**

Altitude (m) Slope (m/km) Flow category (1-4)  
 Local geology (rock) Drift geology (soil) Pluvium category  
 Distance from source (km) Significant tributary Navigation?  
 Height of source (m) Water Quality Class

**B FIELD SURVEY DETAILS**

Reference network site number: 7297 *100 to 600*  
 Mid-site grid reference of network site if different from designated location: *60A*

Grid Reference: ST574303 River: CAWY  
 Date: 11/19/96 Time: 11:00 Surveyor name: J. JONES  
 Accredited Surveyor? No  Yes  If yes, state number: PNH  
 Adverse conditions affecting survey? No  Yes  If yes, state: \_\_\_\_\_  
 Bod of river visible? No  partially  entirely  (tick one box)  
 Duplicate photographs: general character? No  Yes  (tick one box)  
 Site surveyed from: left bank  right bank  channel  (tick as appropriate)

**C DOMINANT CHANNEL FORMS**

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

Terraced valley floor? No  Yes

**D NUMBER OF RIFLES, POOLS AND POINT BARS**

Rifles: 2 Unvegetated point bars: NONE  
 Pools: 2 Vegetated point bars: NONE

SEND COMPLETED FORM TO HUGH DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARSHAM, B1120 4BB

Spot check 1:  upstream end  downstream end  (if one tick one box)

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

Spot check only	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	S	S	S	S	S	S	S	S	S	S
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
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 CHANNEL VEGETATION**

Land use: choose one from BL, CP, OR, NH, SC, TH, SP, IC, TL, HL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	15	15	15	15	15	15	15	15	15	15
LEFT BANK-TOP (structure within 1m)	S	U	U	U	U	U	U	S	S	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 BANKTOP (R)	IC	19	19	19	TL	TL	TL	TL	TL	TL

**G CHANNEL VEGETATION**

NONE										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/edges/rushes										
Floating leaves (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

Use end "catch-all" column for types not occurring in spot checks as well as overall assessment over 500m (use 6 or 7)

SITE NO. 7297 1996 RIVER HABITAT SURVEY: 500m SWEEP-UP SURVEY

**H LAND USE WITHIN 5m OF BANKTOP**

	L	R		L	R
woodland/woodland (BL)			Rough pasture (RP)		
Continuous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		E
overland/haugh (OH)			Wetland (eg bog, marsh, fen) (WL)		
rub (SC)			Open water (OW)		
Tall herbs - reed vegetation (TH)			Suburban/urban development (SU)		

**I BANK PROFILES**

atural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
steep			Reinforced - toe only		
rapids			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	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Standing of channel
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots
Semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Pollen trees
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris

**K CHANNEL FEATURES**

	None	Present	E (2/3%)
Waterfall(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**L CHANNEL FEATURES**

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

Major impacts: landfill - tipping - litter - orange - pollution - drought - obstruction - mill - dam - road - rail - industry - logging - mining - quarrying - overgrazing - afforestation - fabric management - siting

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD

Animals: otter - minnow - water vole - kingfisher - darter - grey wagtail - sand martin - heron / (artificial/dam/river)

Other significant observations:

ALBETTS (tick appropriate box(es))

Alters? None  Present  Extensive  Downed Alters? None  Present  Extensive

**M RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES**

**N CHANNEL DIMENSIONS**

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	7	Banktop height (m)
Water width (m)	3	Banktop height (m)
Water depth (m)	0.3	Embanked height (m)
Embanked height (m)		1.8
Embanked height (m)		0.5

If tradition lower than banktop break in slope, indicate: height (m) = width (m) =  $\sqrt{A}$

Bed material at site is: nonconsolidated (compact)  nonconsolidated (loose)  unknown

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

**O CHANNEL VEGETATION**

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

**P CHANNEL MANAGEMENT**

None  Dredging  Mowing  Weed-cutting   
 Enhancement  Other? State: PAINT, DE-SILTING

**Q CHANNEL FEATURES**

None  Artificial open water  Bog  Other (state) \_\_\_\_\_  
 Braided/side channels  Natural open water  Carr   
 Debris dams  Water meadow  Marsh   
 Lowly debris  Fen  Flush

**R CHANNEL VEGETATION**

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

**S CHANNEL VEGETATION**

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

**T CHANNEL VEGETATION**

Major impacts: landfill - tipping - litter - orange - pollution - drought - obstruction - mill - dam - road - rail - industry - logging - mining - quarrying - overgrazing - afforestation - fabric management - siting

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD

Animals: otter - minnow - water vole - kingfisher - darter - grey wagtail - sand martin - heron / (artificial/dam/river)

Other significant observations:

ALBETTS (tick appropriate box(es))

Alters? None  Present  Extensive  Downed Alters? None  Present  Extensive





1996 RIVER HABITAT SURVEY Page 1 of 4

**A. BACKGROUND RELEVANT INFORMATION**

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

**B. WATERSHED SURVEY DETAILS**

Reference network site number 1370  
 Mid-site grid reference of network site if different from designated location \_\_\_\_\_

Grid Reference ST 048 108 River CUM  
 Date 23 Oct 1996 Time 14:10 Surveyor name JONATHAN HARPER  
 Accredited Surveyor? No  Yes  If yes, state number PN2  
 Adverse conditions affecting survey? No  Yes  If yes, state \_\_\_\_\_  
 Bed of river visible? No  partially  entirely  (tick one box)  
 Duplicate photographs general character? 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

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

Riffles 11 (5) Unvegetated point bars   
 Pools  Vegetated point bars

SEND COMPLETED FORM TO HIGH DUNSTON RIVER LABORATORY, EAST SHORE WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: 500m SWEEP-UP Page 2 of 4

**E. CHANNEL VEGETATION (to be assessed across channel within a 1m x 2m transect)**

LEFT BANK

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

CHANNEL

Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Flow type	RP	RP	UH	SM	SM	RP	SM	RP	SM	RP	SM	RP	SM	RP	SM	RP	SM	RP	SM
Channel modification(s)	NO	NO	FO	NO	NO	NO	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	NO	NO	NO	NO	NO	NO

RIGHT BANK

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	PC	NO	PC	NO	NO	NO	NO	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	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, DL, HL, IC, PL, RP, SL, RL, DL, OW, SL

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	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
LEFT BANK FACE (structure)	U	S	S	S	S	B	C	S	S	C	S	S	C	S	C	S	S	C	S
RIGHT BANK FACE (structure)	S	U	S	S	S	S	S	C	S	C	S	C	S	C	S	C	S	C	S
RIGHT BANK TOP (structure within 1m)	U	U	U	U	U	U	U	C	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	IG	IG	IG	IG	IG	IG	IG	IG

**G. CHANNEL VEGETATION TYPES (assessed over a 10m wide transect: site E (≥ 15% area) or 1 (percent))**

NONE																			
Liverworts/mosses/liches																			
Emergent broad-leaved herbs	✓		✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emergent reeds/sedges/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (rooted)								E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Free-floating																			
Aruphous		✓	✓																✓
Submerged broad leaved																			
Submerged fine/linear-leaved	✓																		✓
Filamentous algae																			✓

Use end 'catch-all' column for types not occurring in spot checks as well as overall assessment over 500m transect (use F or 1)

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**H. LAND USE WITHIN 50m OF BANKTOP (Use E (≥ 33% banklength) or 1 (percent))**

	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) (WZ)		✓
Scrub (SC)			Open water (OW)		✓
Tall herbs - road vegetation (TH)			Suburban/urban development (SU)		

**I. BANK PROFILES (Use E (≥ 33% banklength) or 1 (percent))**

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/woodcut	✓	✓	Reinforced		
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. EXTENT 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 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 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"/>

**K. EXTENT OF CHANNEL FEATURES (tick one box per feature)**

	None	Present E		None	Present E (≥ 33%)
Waterfalls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal deadwaters	<input type="checkbox"/>	<input type="checkbox"/>
Cascades	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapids	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffles	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Ingressed mud channel banks	<input type="checkbox"/>	<input type="checkbox"/>
Runs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mud channel banks	<input type="checkbox"/>	<input type="checkbox"/>
Roilts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Atwater islands	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Chutes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ingressed silt bars	<input type="checkbox"/>	<input type="checkbox"/>
Pools	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated silt bars	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

LEFT BANK	Banktop width (m)	8.0	RIGHT BANK	
Banktop height (m)	Water width (m)	14.0	Banktop height (m)	1.3
Embankment height (m)	Water depth (m)	0.2	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)  unknown

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

**M. ARTIFICIAL FEATURES (indicate total number or tick appropriate box)**

None  Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 1  
 Footbridges = 0 Roadbridges = 0 Other = \_\_\_\_\_

If 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  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 F or E (≥ 33% banklength))**

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

**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 - overdeepening - afforestation - fisheries management - siltation

Land Management: set aside - buffer strip - headland - abandoned land - parkland - MoD

Animals: otter - musk - water vole (longfin) - dipper - grey - signal - sand martin - heron (dragonflies/damselflies) (nest hole)

Other significant observations:  
 A highly variable section of river with many old channel features (wash banks, dried channels etc)

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

**Centre for  
Ecology &  
Hydrology**

Institute of Freshwater Ecology  
Institute of Hydrology  
Institute of Terrestrial Ecology  
Institute of Virology & Environmental Microbiology

**Natural Environment Research Council**