



**Institute of
Freshwater
Ecology**

Environment Agency, Welsh Region River Habitat Surveys, Usk and Taff + tributaries

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Report to:

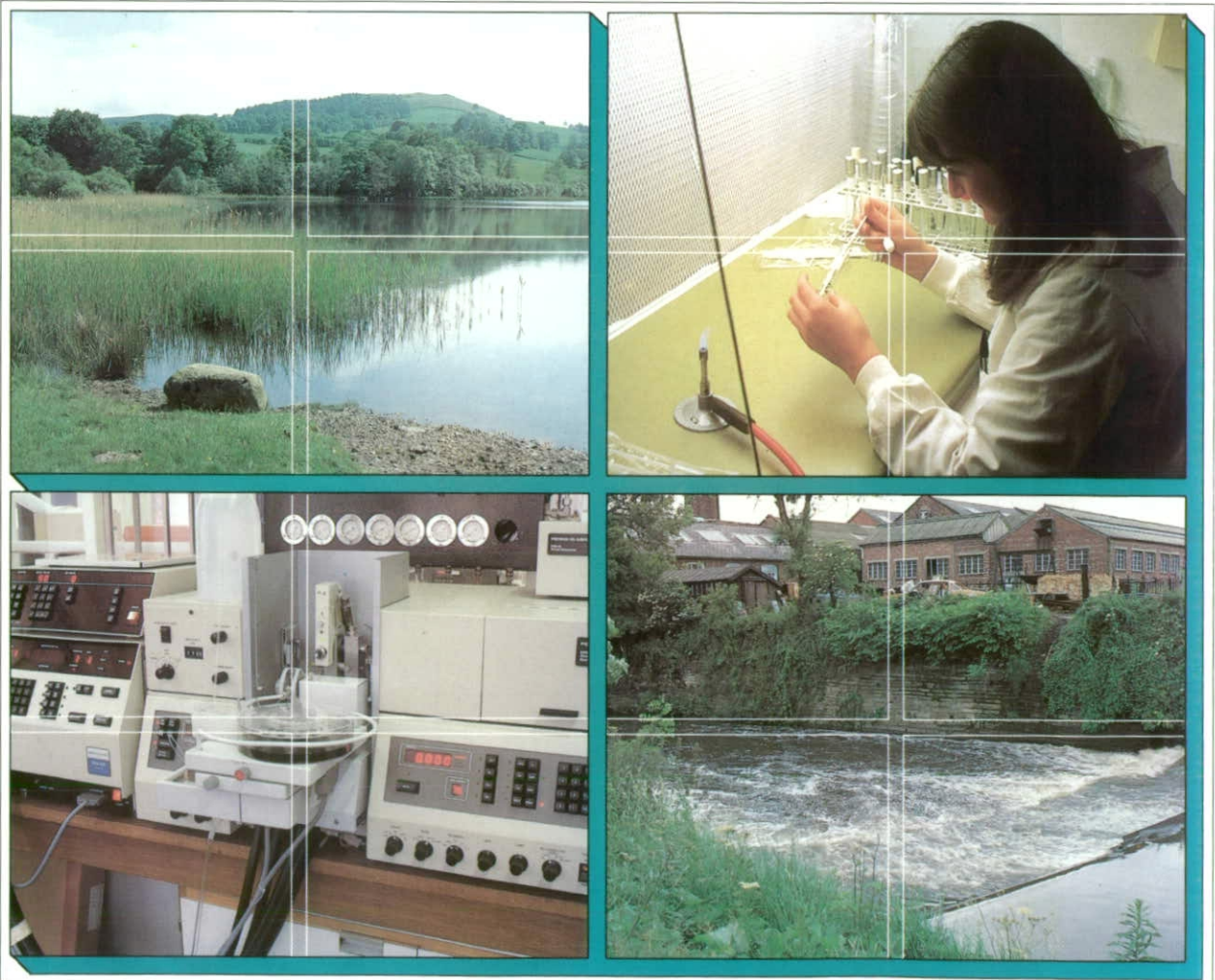
Environment Agency, Welsh Region and CCW

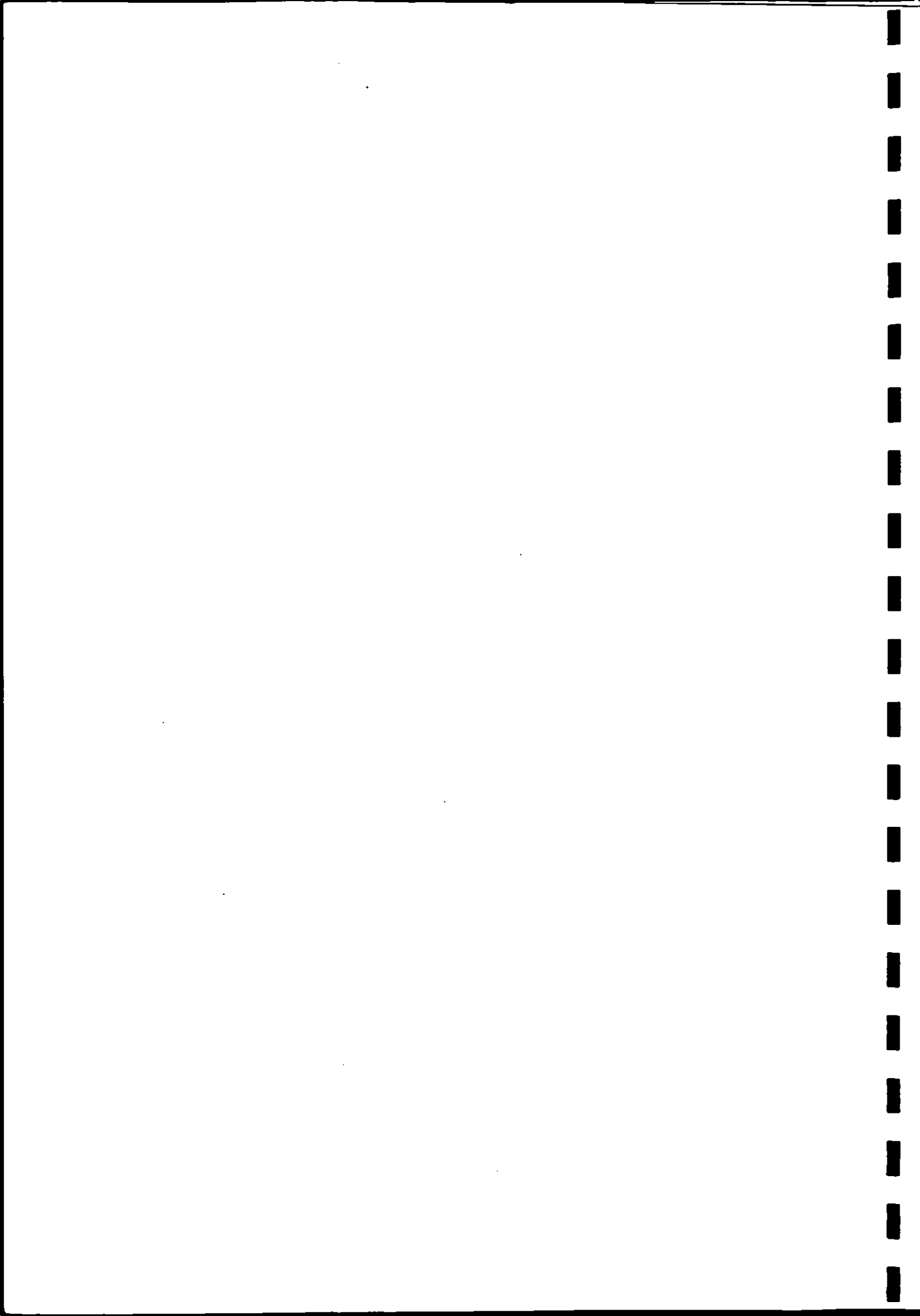
CEH Project No:

T04073H4

IFE Report Reference No:

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**Environment Agency, Welsh Region
River Habitat Surveys, Usk and Taff
+ tributaries**

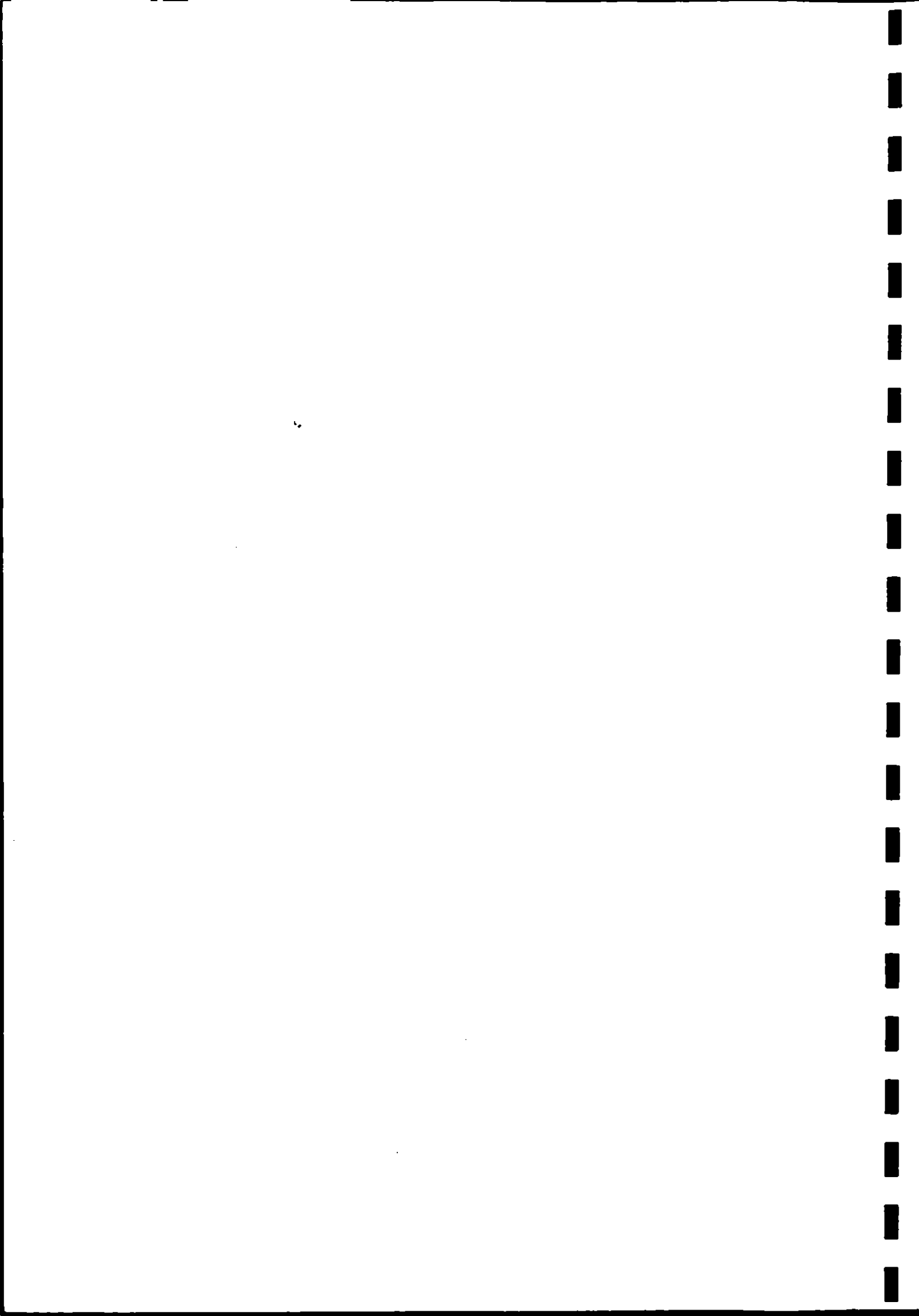
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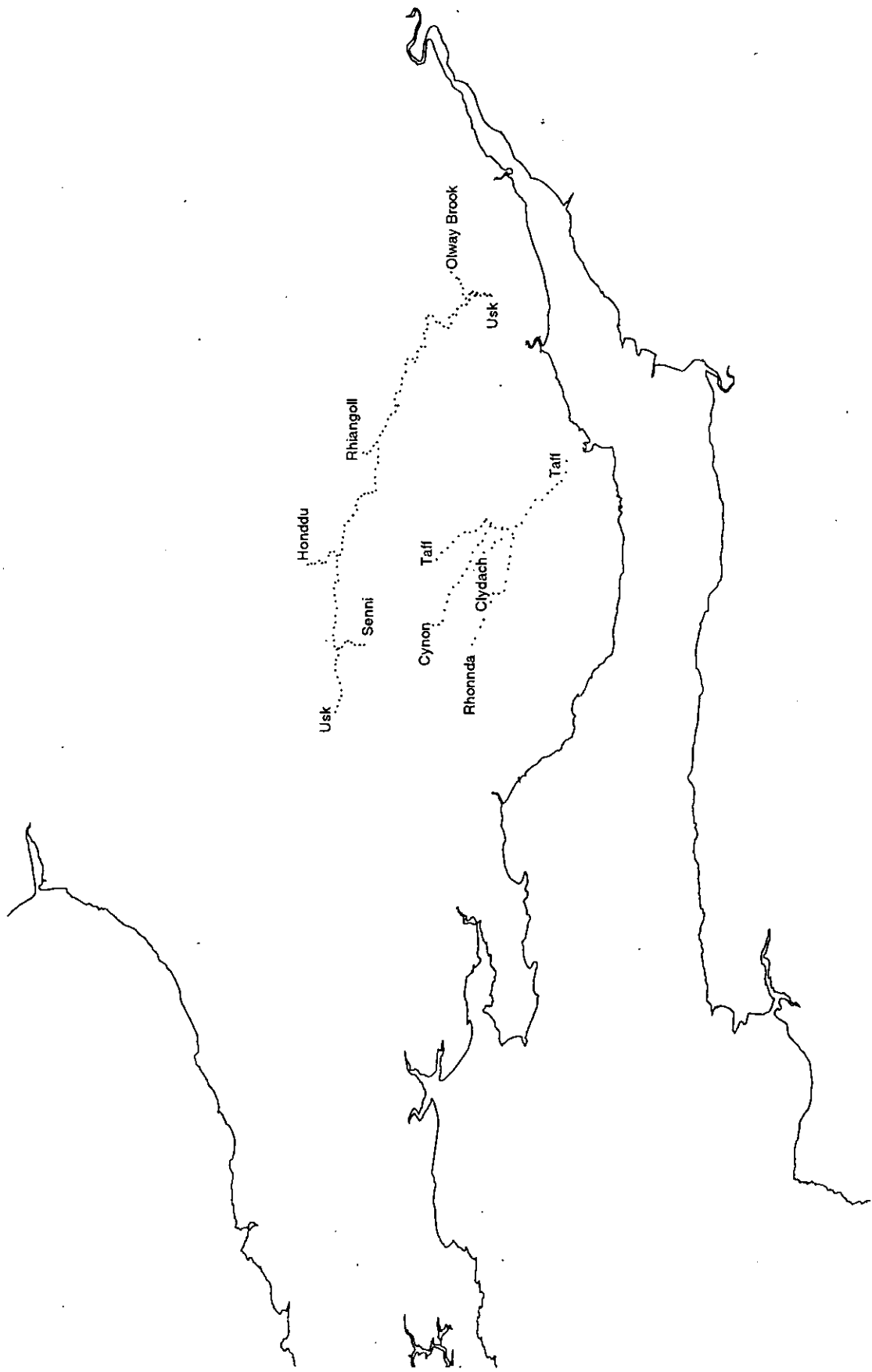
Project Leader:	F.H. Dawson
Report Date:	March 1998
Report to:	Environment Agency, Welsh Region and CCW
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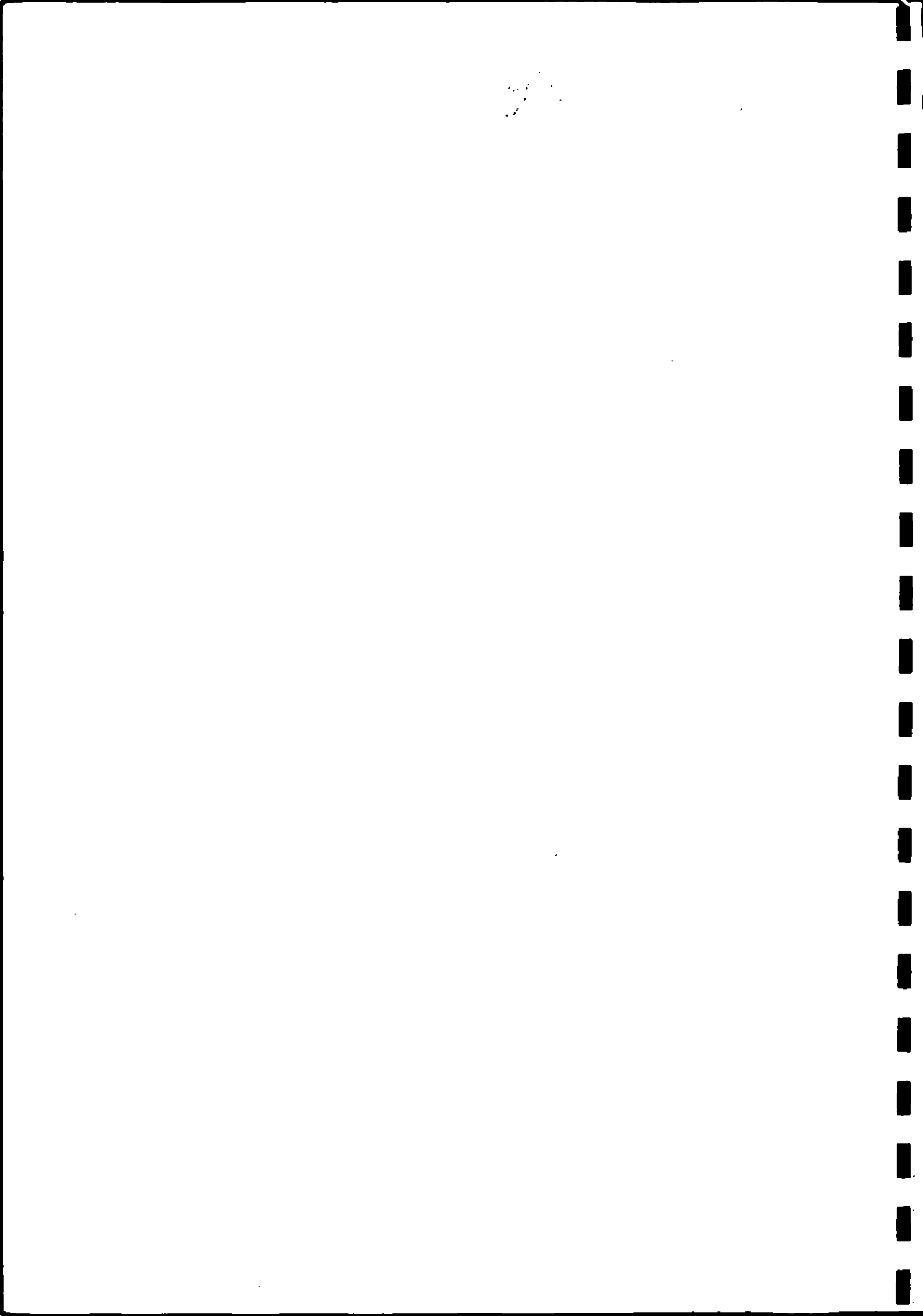
**Centre for
Ecology &
Hydrology**

Institute of Freshwater Ecology
Institute of Hydrology
Institute of Terrestrial Ecology
Institute of Virology & Environmental Microbiology

Natural Environment Research Council







River	NGR	IFE Ref. No.	Section
USK	ST 385950	12001	1
USK	ST 387953	12002	3
USK	ST 385959	12003	5
USK	ST 388965	12004	7
USK	ST 386974	12005	9
USK	ST 387983	12006	11
USK	ST 385986	12007	13
USK	ST 389993	12008	15
USK	ST 380998	12009	17
USK	SO 374005	12010	19
USK	SO 373016	12011	21
USK	SO 368024	12012	23
USK	SO 360026	12013	25
USK	SO 361034	12014	27
USK	SO 357042	12015	29
USK	SO 349038	12016	31
USK	SO 343044	12017	33
USK	SO 345054	12018	35
USK	SO 350063	12019	37
USK	SO 351071	12020	39
USK	SO 358078	12021	41
USK	SO 359088	12022	43
USK	SO 356093	12023	45
USK	SO 348089	12024	47
USK	SO 341091	12025	49
USK	SO 335098	12026	51
USK	SO 329096	12027	53
USK	SO 318095	12028	55
USK	SO 318103	12029	57
USK	SO 312111	12030	59
USK	SO 304112	12031	61
USK	SO 298117	12032	63
USK	SO 302122	12033	65
USK	SO 302134	12034	67
USK	SO 295137	12035	69
USK	SO 285138	12036	71
USK	SO 276145	12037	73
USK	SO 268146	12038	75
USK	SO 260150	12039	77
USK	SO 257158	12040	79
USK	SO 249162	12041	81
USK	SO 241160	12042	83
USK	SO 241154	12043	85
USK	SO 233159	12044	87
USK	SO 229169	12045	89
USK	SO 223176	12046	91
USK	SO 214182	12047	93
USK	SO 207188	12048	95
USK	SO 202194	12049	97
USK	SO 193199	12050	99

River	NGR	IFE. Ref. No.	Section
USK	SO 184197	12051	101
USK	SO 174198	12052	103
USK	SO 166198	12053	105
USK	SO 157203	12054	107
USK	SO 147204	12055	109
USK	SO 139203	12056	111
USK	SO 130202	12057	113
USK	SO 127210	12058	115
USK	SO 126219	12059	117
USK	SO 125228	12060	119
USK	SO 122234	12061	121
USK	SO 118242	12062	123
USK	SO 110246	12063	125
USK	SO 104244	12064	127
USK	SO 097253	12065	129
USK	SO 089263	12066	131
USK	SO 084272	12067	133
USK	SO 076273	12068	135
USK	SO 068275	12069	137
USK	SO 061277	12070	139
USK	SO 052277	12071	141
USK	SO 045282	12072	143
USK	SO 037288	12073	145
USK	SO 029288	12074	147
USK	SO 019287	12075	149
USK	SO 011285	12076	151
USK	SO 008292	12077	153
USK	SO 001295	12078	155
USK	SN 992294	12079	157
USK	SN 984291	12080	159
USK	SN 975288	12081	161
USK	SN 965291	12082	163
USK	SN 956291	12083	165
USK	SN 949295	12084	167
USK	SN 939297	12085	169
USK	SN 933295	12086	171
USK	SN 925294	12087	173
USK	SN 921288	12088	175
USK	SN 913285	12089	177
USK	SN 907290	12090	179
USK	SN 901291	12091	181
USK	SN 893291	12092	183
USK	SN 884287	12093	185
USK	SN 876282	12094	187
USK	SN 867278	12095	189
USK	SN 860278	12096	191
USK	SN 854283	12097	193
USK	SN 846287	12098	195
USK	SN 838291	12099	197

River	NGR	IFE. Ref. No.	Section
OLWAY BROK	ST 389981	12100	1
OLWAY BROK	ST 391990	12101	3
OLWAY BROK	ST 387998	12102	5
OLWAY BROK	SO 382006	12103	7
OLWAY BROK	SO 387012	12104	9
OLWAY BROK	SO 395012	12105	11
OLWAY BROK	SO 401017	12106	13
OLWAY BROK	SO 407021	12107	15
OLWAY BROK	SO 409027	12108	17
OLWAY BROK	SO 416038	12109	19
HONDDU	SO 044288	12110	1
HONDDU	SO 049295	12111	3
HONDDU	SO 048304	12112	5
HONDDU	SO 044308	12113	7
HONDDU	SO 035314	12114	9
HONDDU	SO 034322	12115	11
HONDDU	SO 037329	12116	13
HONDDU	SO 033337	12117	15
HONDDU	SO 033345	12118	17
HONDDU	SO 032353	12119	19
SENNI	SN 927228	12120	1
SENNI	SN 927236	12121	2
SENNI	SN 927239	12122	3
SENNI	SN 927248	12123	4
SENNI	SN 930256	12124	5
SENNI	SN 932264	12125	6
SENNI	SN 930270	12126	7
SENNI	SN 924277	12127	8
SENNI	SN 922284	12128	9
RHIANGOLL	SO 193201	12129	1
RHIANGOLL	SO 188208	12130	3
RHIANGOLL	SO 181214	12131	5
RHIANGOLL	SO 178222	12132	7
RHIANGOLL	SO 179230	12133	9
TAFF	ST 169783	12134	1
TAFF	ST 154784	12135	4
TAFF	ST 143794	12136	7
TAFF	ST 138804	12137	10
TAFF	ST 132814	12138	13
TAFF	ST 127824	12139	16
TAFF	ST 118837	12140	19
TAFF	ST 118852	12141	22
TAFF	ST 108862	12142	25
TAFF	ST 099873	12143	28
TAFF	ST 088881	12144	31
TAFF	ST 083895	12145	34
TAFF	ST 073902	12146	37
TAFF	ST 080913	12147	40
TAFF	ST 082925	12148	43
TAFF	ST 081941	12149	47

TAFF	ST 087951	12150	50
TAFF	ST 092961	12151	53
TAFF	ST 089965	12152	56
TAFF	ST 083972	12153	59
TAFF	ST 078984	12154	62
TAFF	ST 075997	12155	65
TAFF	SO 075008	12156	68
TAFF	SO 070021	12157	71
TAFF	SO 062033	12158	74
TAFF	SO 055045	12159	77
TAFF	SO 048058	12160	80
TAFF	SO 039069	12161	83
CYNON	ST 083952	12162	1
CYNON	ST 074963	12163	4
CYNON	ST 064969	12164	7
CYNON	ST 059979	12165	10
CYNON	ST 049990	12166	13
CYNON	ST 037996	12167	16
CYNON	SO 027004	12168	19
CYNON	SO 018013	12169	22
CYNON	SO 009021	12170	25
CYNON	SO 003033	12171	28
CYNON	SN 994042	12172	31
CYNON	SN 984046	12173	34
CYNON	SN 973052	12174	37
CYNON	SN 959056	12175	40
CYNON	SN 954065	12176	43
CYNON	SN 953077	12177	46
RHONNDA	ST 068900	12178	1
RHONNDA	ST 057906	12179	4
RHONNDA	ST 044908	12180	7
RHONNDA	ST 034910	12181	10
RHONNDA	ST 027912	12182	13
RHONNDA	ST 011918	12183	16
RHONNDA	SS 999921	12184	19
RHONNDA	SS 995933	12185	22
RHONNDA	SS 995945	12186	25
RHONNDA	SS 984951	12187	28
RHONNDA	SS 961966	12188	35
RHONNDA	SS 951974	12189	38
RHONNDA	SS 936985	12190	42
RHONNDA	SS 928991	12191	44
NANT CLYDACH	ST 079927	12192	1
NANT CLYDACH	ST 066928	12193	4
NANT CLYDACH	ST 062942	12194	7
NANT CLYDACH	ST 055949	12195	9
NANT CLYDACH	ST 049966	12196	13

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	R	Slope (m/km)	I	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	3
Distance from source(km)	104.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12001

Grid reference: ST 385950 River: USK 1

Date: 13/11/1997 Time: 10.10 Surveyor: DC Accred. code: HD4

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee		concave/bowl
deep vee	<input checked="" type="checkbox"/>	symmetrical
gorge		asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	0	Unvegetated point bar	0
Pools	0	Vegetated point bar	1

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
rudicial/mixed woodland (BL)	/		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Sub (SC)	/		Open water (OW)		
Tall herbs (TH)			Suburban/urban development (SU)	/	/
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified			Resectioned		
Vertical/undercut	/	/	Reinforced - whole bank		
Vertical + toe		/	Reinforced - top only		
Step >45	E		Reinforced - toe only	/	
Embankment			Artificial two-stage		
Composite			Poached	E	
			Embanked		/
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None		Present		E (>33%)		
	X		X		None	Present	E (>33%)
Waterfall(s)	X				Marginal deadwater	X	
Cascade(s)	X				Exposed bedrock	X	
Rapid(s)	X				Exposed boulders	X	
Riffle(s)	X				Unvegetated mid-channel bar(s)	X	
Run(s)			X		Vegetated mid-channel bar(s)	X	
Boil(s)	X				Mature island(s)	X	
Glide(s)			X		Unvegetated side bar(s)	X	
Pool(s)	X				Vegetated side bar(s)		X
Ponded reach(es)	X				Discrete silt deposit(s)	X	
					Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
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LEFT BANK

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

CHANNEL

Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	SM	SM	SM	SM	SM	SM	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	EM	EM	EM
Bank feature(s)	SC	SC	VS	EC	EC	VP	SC	SC	SC	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	BL	SC	SC	SU	SU	IG	IG	IG	IG	IG
LEFT BANK-TOP	S	S	S	S	S	U	U	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	B	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	U	S	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

G CHANNEL VEGETATION TYPES

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

L CHANNEL DIMENSIONS

LEFT BANK		CHANNEL		RIGHT BANK	
Banktop height(m)	2.1	Bankfull width (m)	34.0	Banktop height (m)	2.2
Banktop = Bankfull?	Y	Water width (m)	27.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls	/	
Culverts				Fords		
Bridges	/			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None				
Waterfalls >5m high		Artificial open water		Bog
Braided/side channels		Natural open water		Carr
Debris dam		Water meadow		Marsh
Leafy debris	X	Fen		Flush
				Fringing reed-bank
				Floating mat
				Other

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: ROAD

Land Management:

Animals:

Other significant observations: Map suggests a mature island the only evidence is willows growing on fall in L/B which during high flows becomes an island.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	8	Slope (m/km)	1	Flow category (1-III)	8
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	3
Distance from source(km)	103.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12002

Grid reference: ST 387953 River: UKS 3

Date: 13/11 /1997 Time: 11.00 Surveyor: NK Accred. code: HD5

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input checked="" type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	0	Unvegetated point bar	0
Pools	0	Vegetated point bar	1

Output created by IFE, Wareham on 29/03/1998

LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Grass/mixed woodland (BL)			Rough pasture (RP)		
Intensive plantation (CP)		/	Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Sub (SC)	/		Open water (OW)		
Herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe	/	/	Reinforced - whole bank	/	/
Slope >45	/	/	Reinforced - top only		
Stable	/	/	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	/	/
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present	E	Marginal deadwater	None	Present	E (>33%)
Waterfall(s)	X			Exposed bedrock	X		
Cascade(s)	X			Exposed boulders	X		
Rapid(s)	X			Unvegetated mid-channel bar(s)	X		
Riffle(s)	X			Vegetated mid-channel bar(s)	X		
Run(s)			X	Mature island(s)	X		
Boil(s)	X			Unvegetated side bar(s)	X		
Glidet(s)		X		Vegetated side bar(s)		X	
Pool(s)	X			Discrete silt deposit(s)	X		
Ponded reach(es)	X			Discrete sand deposit(s)	X		

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	RR	RR	RR
Bank modification(s)	NO	NO	NO	NO	NO	*	NO	RI	RI	RI
Bank feature(s)	EC	SC	SC	SC	SC	SC	SC	SC	SC	SC
CHANNEL										
Channel substrate	SI	SI	SI	NV	NV	NV	SI	NV	NV	NV
Flow type	SM	SM	SM	SM	SM	SM	RP	RP	RP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
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	SC	SC	SC	EC	EC	SC	SC	PB	PB

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE	B	S	S	U	S	S	U	C	S	S
RIGHT BANK FACE	S	S	S	U	B	B	U	B	U	B
RIGHT BANK-TOP	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

G CHANNEL VEGETATION TYPES

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

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	3.1	Bankfull width (m)	54.5	Banktop height (m)	3.5
Banktop = Bankfull?	Y	Water width (m)	46.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashed lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Stuices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None						
Waterfalls >5m high		Artificial open water		Bog		Fringing reed-bank
Braided/side channels		Natural open water		Carr		Floating mat
Debris dam		Water meadow		Marsh		Other
Leafy debris	X	Fen		Flush		

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals:

Other significant observations: Management - tops of hogweed removed.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12003

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	10	Slope (m/km)	.8	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Platform category	3
Distance from source(km)	102.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12003

Grid reference: ST 385959 River: USK 5

Date: 13/11/1997 Time: 12.15 Surveyor: DC Accred. code: IID4

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input checked="" type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	0	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12003

LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
Deep >45	E	E	Reinforced - top only		
Stippled			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	/	
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	None	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffle(s)	X	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	-	X
Slide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	-	X
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12003

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	VS	SC	SC	VS	SC	VS	SC	SC	SC
CHANNEL										
Channel substrate	NV	P	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	RP	RP	RP	SM	SM	RP	RP	RP	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	MI	MI	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)	SC	SC	EC	SC	EC	NV	EC	SC	SC	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP	S	S	S	S	S	S	S	U	U	U
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

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

1997 RIVER HABITAT SURVEY page 4 of 4 12003

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	3.8	Bankfull width (m)	53.0	Banktop height (m)	3.8
Banktop = Bankfull?	Y	Water width (m)	43.0	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashes lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Stuices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	Dredging	Mowing	Weed-cutting	X
	Enhancement	Other?		

O FEATURES OF SPECIAL INTEREST

None				
Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank	
Braided/side channels	Natural open water	Carr	Floating mat	
Debris dam	Water meadow	Marsh	Other	
Leafy debris	Fen	Flush		

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = brambles, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased)

Major impacts:

Land Management: AGRICULTURE

Animals:

Other significant observations: Management - tops of hogweed removed.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	11	Slope (m/km)	.8	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	3
Distance from source(km)	101.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12004

Grid reference: ST 388965 River: USK 7

Date: 13/11 /1997 Time: 15.35 Surveyor: DC Accred. code: HD4

Adverse conditions? No Yes

Bed of river visible? No Part. Entire

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee		concave/bowl	
deep vee		symmetrical	<input checked="" type="checkbox"/>
gorge		asymmetrical	

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	0	Unvegetated point bar	0
Pools	0	Vegetated point bar	1

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Woodland/mixed woodland (BL)	/		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/Semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Sub (SC)	/		Open water (OW)		
Herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	E	E	Resectioned		
Vertical + toe		E	Reinforced - whole bank		
Step >45	/		Reinforced - top only		
Stepped			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	/	
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)	X		Exposed boulders	X	
Riffle(s)	X		Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Slide(s)		X	Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)		X
Funded reaches	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	VP	VP	VP	VS	SC	SC	VS	VS	NO
CHANNEL										
Channel substrate	NV	NV	NV	NV	P	NV	NV	NV	NV	NV
Flow type	SM	SM	SM	SM	SM	SM	SM	RP	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	SC	SC	EC	EC	EC	EC	EC	EC
F BANKTOP LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	BL	SC
LEFT BANK-TOP	U	U	U	U	U	U	U	U	C	C
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	C	S	S	S	S	S	B
RIGHT BANK-TOP	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
G CHANNEL VEGETATION TYPES										
NONE										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs	/	/	/							/
Emergent reeds/edges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious	/	/		/						/
Submerged broad-leaved										
Submerged linear-leaved	/	/	/	/	/				/	/
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	2.4	Bankfull width (m)	47.5	Banktop height (m)	2.8
Banktop = Bankfull?	Y	Water width (m)	42.5	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X				Revetments		
				Outfalls		
				Fords		
				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None					
Waterfalls >5m high		Artificial open water		Bog	Fringing reed-bank
Braided/side channels		Natural open water		Carr	Floating mat
Debris dam		Water meadow		Marsh	Other
Leafy debris	X	Fen		Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management: AGRICULTURE

Animals: DIPPER

Other significant observations: Dumping of urban waste in 50m sweep up zone.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	12	Slope (m/km)	.8	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	100.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12005

Grid reference: ST J36974 River: USK 9

Date: 13/11 /1997 Time: 14.50 Surveyor: NK Accred. code: HDS

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input checked="" type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	0	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Warrham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Scrub/mixed woodland (BL)	/	/	Rough pasture (RP)		
Intensive plantation (CP)			Improved/Semi-improved grass (IG)	/	/
Orchard (OR)			Tilled land (TL)		/
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Scrub (SC)	/	/	Open water (OW)		
All herbs (TH)	/	/	Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank	/	/
Step >45	/	/	Reinforced - top only		
Gentle	/	/	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	/	/
			Embanked		
			Self-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffles(s)	X	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glides(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	-	X
Flooded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

Spot check 1 is at: upstream end downstream end

E. PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	SC	SC	SC	NO	VS	NO	NO	SC	SC
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	SC	SC	SC	NO	SC	EC	SC	SC
F BANKTOP LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)										
IG	TL	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP										
C	U	U	U	U	S	C	S	S	S	S
LEFT BANK FACE										
B	C	S	C	C	S	C	C	S	S	S
RIGHT BANK FACE										
S	S	C	C	S	S	S	S	B	S	S
RIGHT BANK-TOP										
B	U	B	B	U	U	S	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)										
TL	TL	TL	TL	IG	IG	IG	IG	IG	IG	IG
G CHANNEL VEGETATION TYPES										
NONE										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs			/	/			/	/	/	/
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	E
Floating-leaved (rooted)										
Free-floating										
Amphibious					/					/
Submerged broad-leaved						/				/
Submerged linear-leaved								/		/
Submerged fine-leaved					/					/
Filamentous algae										

L. CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK	
Banktop height(m)	2.3	Bankfull width (m) 45.0	Banktop height (m) 2.7
Banktop = Bankfull?	Y	Water width (m) 38.0	Banktop = Bankfull? N
Embanked height (m)	0.0	Water depth (m) *	Embanked height (m) 0.0

If trashes lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M. ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Stuices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N. EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O. FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank
Braided/side channels	Natural open water	Carr	Floating mat
Debris dam	Water meadow	Marsh	Other
Leafy debris	Fen	Flush	

P. CHOKED CHANNEL

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

Q. NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrum, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R. OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals:

Other significant observations: Farm managed land on each side of river.

S. ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	12	Slope (m/km)	J	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	3
Distance from source(km)	99.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12006

Grid reference: ST 387983 River: USK 11

Date: 12/11/1997 Time: 13.00 Surveyor: NK Accred. code: HD5

Adverse conditions? No Yes

Bed of river visible? No Part. Extensive

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C. PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input checked="" type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	2	Unvegetated point bar	0
Pools	0	Vegetated point bar	2

Output created by IFE, Wareham on 29/03/1998

II. LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Radial/mixed woodland (BL)	/	/	Rough pasture (RP)	/	/
Uniform plantation (CP)			Improved/semi-improved grass (IG)	/	/
Orchard (OR)			Tilled land (TL)	E	E
Moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Sub (SC)			Open water (OW)		
Herbs (TH)	/	/	Suburban/urban development (SU)		
			Rock and scree (RS)	/	/

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	E	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank	E	
Top >45	/	/	Reinforced - top only		
Stable	/		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	/	
			Embanked		
			Set-back embankments		

J. EXTENT OF TREES AND ASSOCIATED FEATURES

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

K. EXTENT OF CHANNEL FEATURES

	None	Present	E	ASSOCIATED FEATURES		
				None	Present	E (>33%)
Waterfall(s)	X			Marginal deadwater	X	
Cascade(s)	X			Exposed bedrock	X	
Rapid(s)	X			Exposed boulders	X	
Riffle(s)		X		Unvegetated mid-channel bar(s)	X	
Run(s)			X	Vegetated mid-channel bar(s)	X	
Bank(s)	X			Mature island(s)		X
Slide(s)		X		Unvegetated side bar(s)	X	
Pool(s)	X			Vegetated side bar(s)		X
Flooded reach(es)	X			Discrete silt deposit(s)	X	
				Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E. PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	CO	CO	CO	CO	BO	EA	EA	EA
Bank modification(s)	NO	NO	RI	RI	RI	RI	RI	NO	NO	NO
Bank feature(s)	VS	SC	SC	SC	SC	SC	SC	SC	SC	SC
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	RP	RP	UV	UV	UV	UV	RP	SM	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	MI	MI	MI
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)	SC	SC	VP	SC	SC	VP	VP	NO	NO	NO
F. BANKTOP LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	S	S	U	U	U	U	U	U	S	S
LEFT BANK FACE	S	S	B	B	B	B	S	U	S	S
RIGHT BANK FACE	S	C	S	S	S	S	C	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	C	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	BL	TL	TL	TL	TL	TL	TL	TL
G. CHANNEL VEGETATION TYPES										
NONE	/							/		/
Liverworts/mosses/lichens			/	/	/					/
Emergent broad-leaved herbs										/
Emergent reeds/sedges/rushes	/		/			/		/		/
Floating-leaved (rooted)										
Free-floating										
Amphibious										/
Submerged broad-leaved	/									/
Submerged linear-leaved	/	/	/	/	/	/				/
Submerged fine-leaved										
Filamentous algae										

I. CHANNEL DIMENSIONS

LEFT BANK	CHANNEL		RIGHT BANK		
Banktop height(m)	4.8	Bankfull width (m)	45.0	Banktop height (m)	4.8
Banktop = Bankfull? Y		Water width (m)	37.0	Banktop = Bankfull? Y	
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If tralshine lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M. ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Stakes			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N. EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O. FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high		Artificial open water		Bog		Fringing reed-bank	
Braided/side channels	X	Natural open water		Carr		Floating mat	
Debris dam		Water meadow		Marsh		Other	
Leafy debris	X	Fen		Flush			

P. CHOKED CHANNEL

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

Q. NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R. OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals:

Other significant observations: Because the water is so deep and turbid both vegetation and channel substrate are impossible to see at most spot checks.

S. ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 15 Slope (m/km) .8 Flow category (1-10) 8
 BGS Solid geology code 75 BGS Drift geology code 5 Platform category 3
 Distance from source(km) 98.5 Significant tributary? N Navigation? N
 Height of source(m) 500 Water Quality class 1.5 RHS Segment type 1

FIELD SURVEY DETAILS Please check form and tick box (if any corrections are needed)

Reference site number: 12007

Grid reference: ST 385986 River: USK 13
 Date: 12/11 /1997 Time: 12.00 Surveyor: DC Accred. code: HD4

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 deep vee symmetrical
 gorge asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 1 Unvegetated point bar 0
 Pools 0 Vegetated point bar 1

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Radical/mixed woodland (BL)	/	/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)	E	E
Meadow/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Arable (SC)	/	/	Open water (OW)		
Herbs (TH)		/	Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified			Resectioned		
Vertical/undercut			Reinforced - whole bank		/
Vertical + toe		/	Reinforced - top only		/
Top >45°	/	/	Reinforced - toe only	/	
Stable			Artificial two-stage		
Composite			Poached	/	
			Embanked	/	/
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Slide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	EM	EM	EM	RI	PC	NO	NO	NO	NO	NO
Bank feature(s)	EC	SC	SC	SC	NO	SC	VP	VP	NO	NO
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	SM	SM	RP	RP	SM	SM	SM	RP	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	GS	EA	EA	EA	EA	BW	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	EM	RI	NO
Bank feature(s)	SC	SC	VP	PB	PB	PB	NO	SC	NO	EC
F BANKTOP LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	S	U	U	U	S	B	S	S	U	S
LEFT BANK FACE	S	S	S	S	S	C	S	S	S	B
RIGHT BANK FACE	C	C	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	TH	BL	TH	BL	TL	TL	IG
G CHANNEL VEGETATION TYPES										
NONE										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	E
Floating-leaved (rooted)										
Free-floating										
Amphibious	/	/								
Submerged broad-leaved										/
Submerged linear-leaved					/	/			/	/
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	Bankfull width (m)	Banktop height (m)
*	26.0	1.5
Banktop = Bankfull? N	Water width (m)	Banktop = Bankfull? Y
	21.0	
Embanked height (m)	Water depth (m)	Embanked height (m)
4.3	*	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

	Major	Intermediate	Minor	Major	Intermediate	Minor
None						
X Weirs				Revetments		
Sluices				Outfalls		
Culverts				Foeds		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank
Braided/side channels	Natural open water	Carr	Floating mat
Debris dam	Water meadow	Marsh	Other
Leafy debris	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrum, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management: AGRICULTURE
 Animals: SWAN
 Other significant observations: Where current was strongest the affected banks were reinforced. Very deep and turbid river.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12008

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 15 Slope (m/km) .8 Flow category (1-10) 8
 BGS Solid geology code 75 BGS Drift geology code 5 Planform category 2
 Distance from source(km) 97.5 Significant tributary? N Navigation? N
 Height of source(m) 500 Water Quality class 1.5 RHS Segment type 2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12008

Grid reference: ST 389993 River: USK 15

Date: 12/11 /1997 Time: 10.50 Surveyor: NK Accred. code: HDS

Adverse conditions? No X Yes -

Bed of river visible? No X Part. - Entire. -

Duplicate photographs: general character? No - Yes X

Surveyed from: Left X Right - Channel -

SERCON survey in addition? No N Yes -

PREDOMINANT VALLEY FORM

- shallow vee - concave/bowl

- deep vee X symmetrical

- gorge - asymmetrical

Terraced valley? No X Yes -

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 0 Unvegetated point bar 0

Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 29/03/1998

1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12008

LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Woodland/mixed woodland (BL)	/		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		/
Orchard (OR)			Tilled land (TL)		/
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Sub (SC)	/		Open water (OW)		
Terrestrial herbs (TH)		/	Suburban/urban development (SU)	/	
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut		/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
Slope >45	/		Reinforced - top only	/	
Stippled			Reinforced - toe only	/	
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		/

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffle(s)	X	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	X	-	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	-	X	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12008

Spot check 1 is at: upstream end X downstream end -

PHYSICAL ATTRIBUTES

	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)	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI
Bank feature(s)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	EM	EM	EM	EM	EM	EM	EM	EM	EM	NO
Bank feature(s)	SC	SC	SC	SC	SC	SC	SC	SC	SC	EC

BANKTOP LAND USE AND VEGETATION STRUCTURE

	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	C	C	S	S	C	C	C	C
RIGHT BANK FACE	S	S	U	S	S	S	S	S	S	B
RIGHT BANK-TOP	U	U	U	S	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

CHANNEL VEGETATION TYPES

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

1997 RIVER HABITAT SURVEY page 4 of 4 12008

CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	2.8	Bankfull width (m)	39.0	Banktop height (m)	2.8
Banktop = Bankfull ?	Y	Water width (m)	34.0	Banktop = Bankfull ?	N
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashing lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated - unconsolidated - unknown X

Location of measurement is: riffle - run or glide X other -

ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls	1	
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

EVIDENCE OF RECENT MANAGEMENT

None X	Dredging -	Mowing -	Weed-cutting -
	Enhancement -	Other? -	

FEATURES OF SPECIAL INTEREST

None	Artificial open water -	Bog -	Fringing reed-bank -
Braided/side channels -	Natural open water -	Carr -	Floating mat -
Debris dam -	Water meadow -	Marsh -	Other -
Leafy debris X	Fen -	Flush -	

CHOKED CHANNEL

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

NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None - Giant hogweed - Himalayan balsam X Japanese knotweed X Other? -

OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: ROAD

Land Management:

Animals:

Other significant observations: R/B embankment is a relatively new structure.

ALDERS

Alders? None - Present X Extensive - Diseased alders? None X Present - Extensive -

1997 RIVER HABITAT SURVEY page 1 of 4 12009

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	15	Slope (m/km)	.8	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	96.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12009

Grid reference: ST 380998 River: USK 17

Date: 12/11 /1997 Time: 15.00 Surveyor: DC Accord. code: HD4

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee		concave/bowl	
deep vee	X	symmetrical	
gorge		asymmetrical	

Terraced valley? No Yes

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

FILE NO. 12009 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12009

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Woodland/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Wetland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Open water (OW)			Open water (OW)		
Suburban/urban development (SU)			Suburban/urban development (SU)		
Rock and scree (RS)			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	/	/
Vertical + toe			Reinforced - whole bank		
Top >45	/	/	Reinforced - top only		
Toe			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments	/	/

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E (>33%)
None	-	-	Shading of channel	X	-
Isolated/scattered	X	X	Overhanging boughs	X	-
Regularly spaced, single	-	-	Exposed bankside roots	X	-
Occasional clump	-	-	Underwater tree roots	X	-
Semi-continuous	-	-	Fallen trees	X	-
Continuous	-	-	Coarse woody debris	X	-

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	-	X	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	-	X
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glidet(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Fondled reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12009

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	EM	EM	EM	EM	EM	EM	EM	EM	EM	EM
Bank feature(s)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	RP	SM	SM	SM	SM	RP	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	EM	EM	EM	EM	EM	EM	NO	NO	NO	NO
Bank feature(s)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	C	C	S	S
RIGHT BANK-TOP	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

G CHANNEL VEGETATION TYPES

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

1997 RIVER HABITAT SURVEY page 4 of 4 12009

I. CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	3.2	Bankfull width (m)	50.0	Banktop height (m)	3.2
Banktop = Bankfull? Y	Water width (m)	43.0	Banktop = Bankfull? Y		
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Stuices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		2
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	-	Artificial open water	-	Bog	-	Fringing reed-bank	-
Braided/side channels	-	Natural open water	-	Cart	-	Floating mat	-
Debris dam	-	Water meadow	-	Marsh	-	Other	-
Leafy debris	-	Fen	-	Flush	-		-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management: AGRICULTURE

Animals: DUCK SWAN

Other significant observations: Very deep and turbid river. Both banks are recently RS with set-back embankments.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 15 Slope (m/km) .8 Flow category (1-10) 8
 BGS Solid geology code 74 BGS Drift geology code 5 Planform category 1
 Distance from source(km) 95.5 Significant tributary? N Navigation? N
 Height of source(m) 500 Water Quality class 1.5 RHS Segment type 2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12010

Grid reference: SO 374005 River: USK 19
 Date: 13/11 /1997 Time: 8.20 Surveyor: NK Accred. code: HDS

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 deep vee symmetrical
 gorge asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 0 Unvegetated point bar 0
 Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
oakleaf/mixed woodland (BL)		/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Grub (SC)		/	Open water (OW)		
Tall herbs (TH)			Suburban/urban development (SU)	/	/
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	/	/
Deep >45	E	E	Reinforced - top only		
Bank pile			Reinforced - toe only		/
Composite			Artificial two-stage		
			Poached		
			Embanked	E	E
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present	E		None	Present	E (>33%)
Waterfall(s)	X			Marginal deadwater	X		
Cascade(s)	X			Exposed bedrock	X		
Rapid(s)	X			Exposed boulders	X		
Riffle(s)	X			Unvegetated mid-channel bar(s)	X		
Run(s)			X	Vegetated mid-channel bar(s)		X	
Boil(s)	X			Mature island(s)	X		
Slide(s)		X		Unvegetated side bar(s)	X		
Pool(s)	X			Vegetated side bar(s)	X		
Ponded reach(es)	X			Discrete silt deposit(s)	X		
				Discrete sand deposit(s)	X		

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	CC	BO	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RI	RI	RS	EM	EM	EM	EM	EM	EM	EM
Bank feature(s)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	RP	RP	SM	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	RI	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	MB	NO	NO	NO	NO	NO
RIGHT BANK										
Material	CC	*	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RI	RI	EM	EM	EM	EM	EM	EM	EM	EM
Bank feature(s)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
F BANKTOP LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	S	U	U	S	S	U	S	U	U	U
LEFT BANK FACE	B	B	S	U	S	C	S	S	S	S
RIGHT BANK FACE	B	C	C	S	S	C	C	S	C	C
RIGHT BANK-TOP	S	S	S	S	C	S	S	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)										
SU	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
G CHANNEL VEGETATION TYPES										
NONE										
Liverworts/mosses/lichens	/									/
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved				/	/	/	/	/	/	/
Submerged linear-leaved				/	/	/	/	/	/	/
Submerged fine-leaved										
Filamentous algae	/									/

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m) *	Bankfull width (m) 47.0	Banktop height (m) *
Banktop = Bankfull? N	Water width (m) 42.5	Banktop = Bankfull? N
Embanked height (m) 4.0	Water depth (m) *	Embanked height (m) 5.5

If trushline lower than break in slope, indicate: height above water(m) = 2.0
 Bed material at site is: consolidated unconsolidated unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls	2	
Culverts				Fords		
Bridges	1			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None
 Waterfalls >5m high Artificial open water Bog Fringing reed-bank
 Braided/side channels Natural open water Carr Floating mat
 Debris dam Water meadow Marsh Other
 Leafy debris Fen Flush

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = brambles, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: ROAD
 Land Management:
 Animals: HERON
 Other significant observations: I/B looked both resectioned reinforced and embanked.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Table with columns: Attribute, Value, Attribute, Value, Attribute, Value, Attribute, Value
Attributes include: Altitude(m), Slope (m/km), Flow category (1-10), BGS Solid geology code, BGS Drift geology code, Planform category, Distance from source(km), Significant tributary?, Navigation?, Height of source(m), Water Quality class, RHS Segment type

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
References site number: 12011

Grid reference: SO 373016 River: USK 21
Date: 12/12 /1997 Time: 8.25 Surveyor: DC Accred. code: HD4

Adverse conditions? No X Yes
Bed of river visible? No Part X Entire
Duplicate photographs: general character? No Yes X
Surveyed from: Left X Right Channel
SERCON survey in addition? No N Yes

C PREDOMINANT VALLEY FORM
Table with columns: Form, Characteristics
Forms include: shallow vee, concave/bowl, deep vee, symmetrical, gorge, asymmetrical

NUMBER OF RIFFLES, POOLS AND POINT BARS
Riffles: 0 Unvegetated point bar: 0
Pools: 0 Vegetated point bar: 0
Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP
Table with columns: Land Use, L, R, L, R
Land uses include: Broadleaf/mixed woodland (BL), Rough pasture (RP), Coniferous plantation (CP), Improved/semi-improved grass (IG), Orchard (OR), Tilled land (TL), Farmland/heath (MH), Wetland (eg bog, marsh, fen)(WL), Scrub (SC), Open water (OW), Herbs (TH), Suburban/urban development (SU), Rock and scree (RS)

BANK PROFILES
Table with columns: Profile, L, R, Profile, L, R
Profiles include: Natural/unmodified, Resectioned, Vertical/undercut, Reinforced - whole bank, Vertical + toe, Reinforced - top only, Slope >45, Reinforced - toe only, Stable, Artificial two-stage, Composite, Poached, Embanked, Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES
TREES: None, Isolated/scattered, Regularly spaced, Occasional clumps, Semi-continuous, Continuous
ASSOCIATED FEATURES: Shading of channel, Overhanging boughs, Exposed bankside roots, Underwater tree roots, Fallen trees, Coarse woody debris

K EXTENT OF CHANNEL FEATURES
Table with columns: Feature, None, Present E, Feature, None, Present E (>33%)
Features include: Waterfall(s), Marginal deadwater, Cascade(s), Exposed bedrock, Rapid(s), Exposed boulders, Riffle(s), Unvegetated mid-channel bar(s), Run(s), Vegetated mid-channel bar(s), Boil(s), Mature island(s), Glide(s), Unvegetated side bar(s), Pool(s), Vegetated side bar(s), Pondered reach(es), Discrete silt deposit(s), Discrete sand deposit(s)

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES
LEFT BANK: Material, Bank modification(s), Bank feature(s)
CHANNEL: Channel substrate, Flow type, Channel modification(s), Channel feature(s)
RIGHT BANK: Material, Bank modification(s), Bank feature(s)

F BANKTOP LAND USE AND VEGETATION STRUCTURE
Table with columns: Land Use, L, R, L, R, L, R, L, R, L, R
Land uses include: LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES
Table with columns: Type, L, R, L, R, L, R, L, R, L, R
Types include: NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae

L CHANNEL DIMENSIONS
LEFT BANK, CHANNEL, RIGHT BANK
Banktop height(m), Bankfull width(m), Banktop = Bankfull?, Water width(m), Embankment height(m), Water depth(m), Embankment height(m)

M ARTIFICIAL FEATURES
Table with columns: Feature, Major, Intermediate, Minor, Major, Intermediate, Minor
Features include: Weirs, Revetments, Sluices, Outfalls, Culverts, Fords, Bridges, Deflectors, Other

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

N EVIDENCE OF RECENT MANAGEMENT
None X Dredging Mowing Weed-cutting Enhancement Other?

O FEATURES OF SPECIAL INTEREST
None X
Waterfalls >5m high, Artificial open water, Bog, Fringing reed-bank, Braided/side channels, Natural open water, Carr, Floating mat, Debris dam, Water meadow, Marsh, Other, Leafy debris, Fen, Flush

P CHOKED CHANNEL
Is 33% or more of the channel choked with vegetation? NO X YES

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)
None Giant hogweed X Himalayan balsam Japanese knotweed Other??

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)
Major impacts: HOUSING
Land Management: PARKLAND
Animals:
Other significant observations: Recreation pressure of footpath along majority of L/B and housing gardens.

S ALDERS
Alders? None Present Extensive X Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	18	Slope (m/km)	.8	Flow category (1-10)	8
BGS Solid geology code	74	BGS Drift geology code	5	Planform category	2
Distance from source(km)	93.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12012

Grid reference: SO 368024 River: USK 23
 Date: 10/11 /1997 Time: 15.15 Surveyor: DC Accred. code: HD4

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee		concave/bowl	
deep vee			<input checked="" type="checkbox"/> symmetrical
gorge			asymmetrical

Terraced valley? No Yes

NUMBER OF RIFLES, POOLS AND POINT BARS

Rifles	2	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Radial/mixed woodland (BL)		/	Rough pasture (RP)		/
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	/	/
Orchard (OR)			Tilled land (TL)	/	/
Arable/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Sub (SC)	/		Open water (OW)		
Herbs (TH)			Suburban/urban development (SU)		/
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		/
Top >45	/	/	Reinforced - top only		/
Toe			Reinforced - toe only	/	/
Composite			Artificial two-stage		
			Poached	/	/
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)		X	Exposed bedrock	X	
Rapid(s)	X		Exposed boulders		X
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Glide(s)		X	Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)		X
Ponded reach(es)		X	Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	RR	CL	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	RI	RI	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	NO	EC	SC	SC	SC	SC	SC	SC
CHANNEL										
Channel substrate	NV	NV	BO	NV	NV	NV	NV	NV	NV	NV
Flow type	SM	SM	CH	RP	RP	RP	RP	RP	RP	SM
Channel modification(s)	NO	NO	DA	RS	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	NV	CC	BR	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	RI	RI	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	NO	NO	SC	SC	SC	SC	SC	SC	SC
F BANKTOP LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)										
IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP										
U	S	S	U	U	U	U	U	U	U	U
LEFT BANK FACE										
S	S	U	B	S	S	S	S	S	S	S
RIGHT BANK FACE										
S	B	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP										
S	U	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)										
SU	SU	SU	SC	RP	RP	RP	RP	RP	RP	BL
G CHANNEL VEGETATION TYPES										
NONE										
Liverworts/mosses/lichens	/									/
Emergent broad-leaved herbs										/
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	E
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										/
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	3.0	Bankfull width (m)	59.0	Banktop height (m)	8.5
Banktop = Bankfull?	Y	Water width (m)	42.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs		I		Revetments		
Sluices				Outfalls	I	
Culverts				Fords		
Bridges				Deflectors		I
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	Dredging	Mowing	Weed-cutting
	Enhancement	Other?	X

O FEATURES OF SPECIAL INTEREST

None	X				
Waterfalls >5m high		Artificial open water		Bog	Fringing reed-bank
Braided/side channels		Natural open water		Can	Floating mat
Debris dam		Water meadow		Marsh	Other
Leafy debris		Fen		Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: INDUSTRY FISHERIES MANAGEMENT
 Land Management:
 Animals: DUCK
 Other significant observations: Possible waterworks and outfall on R/B.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	18	Slope (m/km)	8	Flow category (1-10)	8
BGS Solid geology code	74	BGS Drift geology code	5	Planform category	2
Distance from source(km)	92.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12013

Grid reference: SO 360026 River: USK 25

Date: 11/11/1997 Time: 14.10 Surveyor: NK Accred. code: HDS

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	0
Pools	0	Vegetated point bar	1

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Woodland/mixed woodland (BL)	/	/	Rough pasture (RP)	/	/
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	/	/
Orchard (OR)			Tilled land (TL)	/	/
Wetland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)	/	/
Sub (SC)	/	/	Open water (OW)	/	/
Terrace herbs (TH)			Suburban/urban development (SU)	/	/
			Rock and scree (RS)	/	/

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified			Resectioned		
Vertical/undercut		/	Reinforced - whole bank		
Vertical + toe	/	/	Reinforced - top only		
Slope >45			Reinforced - toe only		
Stable	/	/	Artificial two-stage		
Composite			Poached	/	/
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)	X		Exposed boulders	X	
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Glide(s)		X	Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)		X
Poached reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	GS	GS	GS	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	PB	NO	NO	NO	NO	NO	NO	NO	SC	SC
CHANNEL										
Channel substrate	CO	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	UW	SM	SM	RP	RP	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	YB	NO	NO	NO	NO	NO
RIGHT BANK										
Material	CO	BE	BE	BE	EA	BE	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	SC	SC	SC	SC	SC	SC	SC	SC	SC
F BANKTOP LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	BL	IG	IG	IG	TL	TL	TL	TL
LEFT BANK-TOP	S	S	S	U	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	B	S	S	S	S	S	S
RIGHT BANK FACE	B	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
G CHANNEL VEGETATION TYPES										
NONE										
Liverworts/mosses/lichens	/									/
Emergent broad-leaved herbs	/	/	/	/	/	/	/	/	/	/
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved	/	/	/	/	/	/	/	/	/	/
Submerged linear-leaved					/	/	/	/	/	/
Submerged fine-leaved							/	/	/	/
Filamentous algae	/									

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	3.5	Bankfull width (m)	44.0	Banktop height (m)	3.5
Banktop = Bankfull?	Y	Water width (m)	38.0	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank
Braided/side channels	Natural open water	Carri	Floating mat
Debris dam	Water meadow	Marsh	Other
Leafy debris	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = rose)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: FISHERIES MANAGEMENT

Land Management:

Animals: KINGFISHER DUCK

Other significant observations: Fisheries land bank with path for anglers.

Countryside Commission of Wales and river management.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	18	Slope (m/km)	8	Flow category (1-10)	8
BGS Solid geology code	74	BGS Drift geology code	5	Planform category	2
Distance from source(km)	91.5	Significant tributary ?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12014

Grid reference: SO 361034 River: USK 27

Date: 13/11 /1997 Time: 13.05 Surveyor: DC Accred. code: HD4

Adverse conditions? No Yes X

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes X

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	coarse/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/> X	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

Woodland/mixed woodland (BL)	L	R	Rough pasture (RP)	L	R
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	/	/
Orchard (OR)			Tilled land (TL)	/	/
Moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Sub (SC)		/	Open water (OW)		
Turf herbs (TH)	/		Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/cut	/		Resectioned		
Vertical + toe		/	Reinforced - whole bank		
Slope > 45	/	/	Reinforced - top only		
Shingle			Reinforced - toe only		
Composite			Artificial two-stage		/
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

Waterfall(s)	None Present E	Marginal deadwater	None Present E (>33%)
Cascade(s)	X - -	Exposed bedrock	X - -
Rapid(s)	X - -	Exposed boulders	X - -
Riffles	- X -	Unvegetated mid-channel bar(s)	X - -
Run(s)	- - X	Vegetated mid-channel bar(s)	X - -
Boil(s)	X - -	Mature island(s)	- X -
Slide(s)	- X -	Unvegetated side bar(s)	X - -
Pool(s)	X - -	Vegetated side bar(s)	- X -
Ponded reach(es)	X - -	Discrete silt deposit(s)	X - -
		Discrete sand deposit(s)	X - -

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	RI
Bank feature(s)	SC	SC	SC	SC	SC	SC	SC	SC	SC	EC

CHANNEL

Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	RP	SM	RP	RP	RP	RP	RP	SM	SM	UV
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	MI

RIGHT BANK

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	BM	BM	BM	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	SC	SC	SC	SC	SC	NO	VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	IG
LEFT BANK-TOP	U	U	U	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	U	U	U	U	S	S	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

NONE	/	/	/	/	/	/	/	/	/	/
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/hedges/rushes							/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious										/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK		CHANNEL		RIGHT BANK	
Banktop height(m)	3.5	Bankfull width (m)	58.0	Banktop height (m)	17.0
Banktop = Bankfull ?	Y	Water width (m)	47.0	Banktop = Bankfull ?	N
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If washline higher than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated unknown X
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Moving Weed-cutting
 Enhancement Other? X

O FEATURES OF SPECIAL INTEREST

None	X			
Waterfalls >5m high	-	Artificial open water	-	Bog
Braked/side channels	-	Natural open water	-	Carr
Debris dam	-	Water meadow	-	Marsh
Leafy debris	-	Fen	-	Flush
				Fringing reed-bank
				Floating mat
				Other

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management:
 Animals:
 Other significant observations: Spot check 10 - trees cut from island to reinforce eroding bank. Adverse conditions - very steep slopes and thick bank vegetation.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	20	Slope (m/km)	1.2	Flow category (1-10)	8
BGS Solid geology code	73	BGS Drift geology code	5	Planform category	2
Distance from source(km)	90.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12015

Grid reference: SO 357042 River: USK 29
 Date: 12/11/1997 Time: 11.50 Surveyor: NK Accred. code: HDS

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 deep vee symmetrical
 gorge X asymmetrical
 Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 0 Unvegetated point bar 0
 Pools 0 Vegetated point bar 0

Output created by IFF, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Radical/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)		
Shrub (SC)	/		Open water (OW)		
All herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified	/	/	Resectioned		
Vertical/undercut	/	/	Reinforced - whole bank	/	/
Vertical + toe		/	Reinforced - top only		
Toe >45	/		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal dead-water	X	-
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffles	X	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glides	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	RI
Bank feature(s)	NO	NO	NO	SC	SC	SC	SC	SC	SC	NO

CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	RI
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	SC	SC	SC	SC	SC	SC	SC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	TL	TL	TL	TL	BL	BL	BL	BL	BL	BL
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	B	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	U	U	U	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	IG	IG	IG	IG	IG	BL

G CHANNEL VEGETATION TYPES

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

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	Bankfull width (m)	Banktop height (m)
0.0	52.0	2.8
Banktop = Bankfull? N	Water width (m)	Banktop = Bankfull? Y
	45.0	
Embanked height (m)	Water depth (m)	Embanked height (m)
0.0	*	0.0

If trashing lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs	1			Revetments		
Sluices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		1
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None	X			
Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank	
Braided/side channels	Natural open water	Carr	Floating mat	
Debris dam	Water meadow	Marsh	Other	
Leafy debris	Fen	Flush		

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrum, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management:
 Animals:
 Other significant observations: Weir enables water to flow onto right side of mature island area. This water meets river 4/s. R/B reinforced w/s of weir. Weir site is a NSSI from 1996.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12016

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	22	Slope (m/km)	1.2	Flow category (1-10)	8
BGS Solid geology code	73	BGS Drift geology code	5	Planform category	2
Distance from source(km)	89.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12016

Grid reference: SO 349038 River: USK 31

Date: 11/11 /1997 Time: 10.00 Surveyor: DC Accred. code: HD4

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Warcham on 29/03/1998

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Woodland/mixed woodland (BL)	/	/	Rough pasture (RP)		
Comiferous 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)		
Terrestrial herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut		/	Resectioned		
Vertical + toe		/	Reinforced - whole bank		
Slope >45	/	/	Reinforced - top only		
Gentle			Reinforced - toe only	/	
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	X	-
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	-	X	Exposed boulders	X	-
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glides(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	-	X
Ponded reaches	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	RI	NO	NO	NO	NO
Bank feature(s)	VS	VS	NO	NO	SC	NO	SC	SC	SC	SC
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	BW	RP	RP	RP	RP	RP	RP	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	1G	TL	TL	TL	TL	TL	IG	IG	IG	IG
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	S	S	S	U	S	U	U	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	C	C	C	C	C	C	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV

G CHANNEL VEGETATION TYPES

	1	2	3	4	5	6	7	8	9	10
NONE										
Liverworts/mosses/lichens										/
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	E
Floating-leaved (rooted)										
Free-floating										
Amphibious	/		/							/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	2.5	Bankfull width (m)	56.0	Banktop height (m)	20.0
Banktop = Bankfull?	Y	Water width (m)	43.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashing lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

Is water impounded by weir/dam? No Yes, <3% of site >3% of site

N EVIDENCE OF RECENT MANAGEMENT

None	Dredging	Mowing	Weed-cutting
	Enhancement	Other?	X

O FEATURES OF SPECIAL INTEREST

None	X	Artificial open water	Bog	Fringing reed-bank
	Braided/side channels	Natural open water	Carr	Flushing mat
	Debris dam	Water meadow	Marsh	Other
	Leafy debris	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = maree)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: FISHERIES MANAGEMENT

Land Management: AGRICULTURE

Animals:

Other significant observations: R/top NV due to height and aspect. Management - fishing platforms.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	22	Slope (m/km)	1.2	Flow category (1-10)	8
BGS Solid geology code	73	BGS Drift geology code	5	Planform category	2
Distance from source(km)	88.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12017

Grid reference: SO 343044 River: USK 33

Date: 11/11/1997 Time: 8.45 Surveyor: NK Accred. code: HD5

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	2	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Woodland/mixed woodland (BL)	/	/	Rough pasture (RP)		/
Coniferous plantation (CP)	/	/	Improved/semi-improved grass (IG)		/
Orchard (OR)			Tilled land (TL)	/	
Wetland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Open water (OW)	/	/	Open water (OW)		
Suburban/urban development (SU)	/		Suburban/urban development (SU)		
Rock and scree (RS)			Rock and scree (RS)		

I BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/	/	Resectioned		
Vertical + toe		/	Reinforced - whole bank		
Top > 45	/	/	Reinforced - top only		
Toe			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments	/	

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)		X	Exposed boulders	X	
Riffle(s)			Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)		X
Boil(s)		X	Mature island(s)	X	
Slide(s)		X	Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)		X
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	NO	SB	NO	SC	SC	SC	SC	SC
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	BW	RP	BW	UW	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	MB	NO	NO	VB	VB	VB	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)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
F BANKTOP LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	SC	TL	TL	TL	TL	TL
LEFT BANK-TOP	S	S	S	S	S	S	S	S	C	C
LEFT BANK FACE	S	S	B	S	S	S	S	S	C	C
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	U	U	S	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	TL	IG	IG	IG	IG	IG	BL	IG
G CHANNEL VEGETATION TYPES										
NONE										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	E
Floating-leaved (rooted)										
Free-floating										
Amphibious	/	/	/	/	/	/	/	/	/	E
Submerged broad-leaved										
Submerged linear-leaved	/	/	/	/						/
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

	CHANNEL	RIGHT BANK
Banktop height(m)	2.3	Bankfull width (m) 50.0
Banktop = Bankfull?	Y	Banktop = Bankfull? N
Embankment height (m)	0.0	Water depth (m) *
If bankline lower than break in slope, indicate: height above water(m) = 0.0		
Bed material at site is: consolidated - unconsolidated - Unknown -		
Location of measurement is: riffle X run or glide - other -		

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Oufalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	-	Artificial open water	-	Bog	-	Fringing reed-bank	-
Braided/side channels	-	Natural open water	-	Carr	-	Flushing mat	-
Debris dam	-	Water meadow	-	Marsh	-	Other	-
Leafy debris	-	Fen	-	Flush	-		-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = brambles, 6 = more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: FISHERIES MANAGEMENT

Land Management: AGRICULTURE

Animals:

Other significant observations: Checkpoints 1-8 private fishing property.

Drainage pipes recently installed.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	24	Slope (m/km)	1.2	Flow category (1-10)	8
BGS Solid geology code	73	BGS Drift geology code	5	Planform category	2
Distance from source(km)	87.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

C FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12018

Grid reference: SO 345854 River: USK 35
 Date: 12/11/1997 Time: 10.00 Surveyor: JP Accred. code: MN61
 Adverse conditions? No X Yes -
 Bed of river visible? No X Part. - Entire. -
 Duplicate photographs: general character? No - Yes X
 Surveyed from: Left X Right - Channel -
 SERCON survey in addition? No - Yes Y

C PREDOMINANT VALLEY FORM

shallow vee	-	concave/bowl	-
deep vee	-	symmetrical	X
gorge	-	asymmetrical	-

Terraced valley? No - Yes X

C NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	0	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Arable/mixed woodland (BL)		/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/Semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)	E	
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Grass (SC)			Open water (OW)		
Wild herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut			Resectioned	/	/
Vertical + toe			Reinforced - whole bank	/	/
Deep >45	E	E	Reinforced - top only		
Shallow			Reinforced - toe only	/	
Composite			Artificial two-stage		
			Poached	/	
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascades	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffle(s)	X	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

Spot check 1 is at: upstream end X downstream end -

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

LEFT BANK

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	PC	BS	RS	RS	RS	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

CHANNEL

Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	RP	RP	RP	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

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

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	IG	IG	IG	IG	TL	TL	TL	TL	TL	TL
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP	U	U	U	U	U	B	B	B	B	B
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	C	S	S	S	S	S
RIGHT BANK-TOP	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

G CHANNEL VEGETATION TYPES

	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
NONE										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs								/		/
Emergent reeds/edges/rushes		/	/	/						/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

	CHANNEL	RIGHT BANK
Banktop height(m)	3.6	Bankfull width (m) 26.0
Banktop = Bankfull?	N	Banktop = Bankfull? N
Embanked height (m)	0.0	Embanked height (m) 0.0

If trashed lower than break in slope, indicate: height above water(m) = 0.5
 Bed material at site is: consolidated - unconsolidated - unknown X
 Location of measurement is: riffle - run or glide X other -

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls	2	
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	Dredging	Mowing	Weed-cutting X
	Enhancement	Other?	

O FEATURES OF SPECIAL INTEREST

None	X			
Waterfalls >5m high	-	Artificial open water	-	Bog
Braided/side channels	-	Natural open water	-	Carr
Debris dam	-	Water meadow	-	Marsh
Leafy debris	-	Fen	-	Push
				Fringing reed-bank
				Floating mat
				Other

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None - Giant hogweed X Himalayan balsam X Japanese knotweed X Other? P3

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: LITTER
 Land Management:
 Animals:
 Other significant observations:

S ALDERS

Alders? None X Present - Extensive - Diseased alders? None X Present - Extensive -

1997 RIVER HABITAT SURVEY page 1 of 4 12019

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	25	Slope (m/km)	1.2	Flow category (1-10)	8
BGS Solid geology code	74	BGS Drift geology code	5	Planform category	2
Distance from source(km)	86.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12019

Grid reference: SO 350063 River: USK 37

Date: 12/11 /1997 Time: 12.20 Surveyor: JP Accred. code: MN61

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input checked="" type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

FE NO. 12019 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12019

II LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Deep >45	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		/
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

I EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	-	X
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Slide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Proved reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	-	X

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12019

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	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	NV	CO	CO	NV	CO	NV	NV	NV	NV	NV
Flow type	UW	UW	UW	RP	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

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

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	BL	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	S	U	U	U	U	U	U	U	U	U
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	U	U	U	U	U	U	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	TL	TL	TL	TL	TH	TH	IG	

G CHANNEL VEGETATION TYPES

NONE	NV	NV		NV	NV	NV	NV	NV	NV	NV
Liverworts/mosses/lichens		/		/	/					/
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes	/	/		/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae	/									

1997 RIVER HABITAT SURVEY page 4 of 4 12019

L CHANNEL DIMENSIONS

LEFT BANK		CHANNEL		RIGHT BANK	
Banktop height(m)	3.5	Bankfull width (m)	25.0	Banktop height (m)	5.0
Banktop = Bankfull?	Y	Water width (m)	21.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	1.0	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 1.7

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None		Major	Intermediate	Minor		Major	Intermediate	Minor
X	Weirs				Revetments			
	Sluices				Outfalls			
	Culverts				Fords			
	Bridges				Deflectors			
					Other			

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	-	Artificial open water	-	Bog	-	Fringing reed-bank	-
Braided/side channels	-	Natural open water	-	Carr	-	Floating mat	-
Debris dam	-	Water meadow	-	Marsh	-	Other	-
Leafy debris	-	Fen	-	Flush	-		-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other? P3

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: FISHERIES MANAGEMENT

Land Management:

Animals: SWAN

Other significant observations: Fishing pests present.

S ALDERS

Alders? None Present Extensive Discarded alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	25	Slope (m/m)	1.2	Flow category (1-10)	8
BGS Solid geology code	74	BGS Drift geology code	5	Planform category	2
Distance from source(km)	85.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12020

Grid reference: SO 351071 River: USK 39

Date: 12/11 /1997 Time: 14.02 Surveyor: JP Accred. code: MN61

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee concave/bowl

deep vee symmetrical

gorge asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 0 Unvegetated point bar 0

Pools 0 Vegetated point bar 0

Outlet created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

Woodland/mixed woodland (BL)	L	R	Rough pasture (RP)	L	R
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		E
Farmland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Sub (SC)			Open water (OW)		
All herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe	/		Reinforced - whole bank		
Top >45	E	E	Reinforced - top only		/
Single			Reinforced - toe only	/	
Composite	/		Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

Waterfall(s)	None	Present	E	Marginal deadwater	None	Present	E (>33%)
Cascade(s)	X			Exposed bedrock	X		
Rapid(s)	X			Exposed boulders	X		
Riffle(s)	X			Unvegetated mid-channel bar(s)	X		
Run(s)		X		Vegetated mid-channel bar(s)	X		
Boil(s)	X			Mature island(s)	X		
Glide(s)			X	Unvegetated side bar(s)	X		
Pool(s)	X			Vegetated side bar(s)	X		
Ponded reach(es)	X			Discrete silt deposit(s)	X		
				Discrete sand deposit(s)	X		

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	EC	EC	SC	NO	EC	EC	NO	EC

CHANNEL

Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	RP	RP	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

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

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE	S	S	S	B	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	IG	IG	IG	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES

NONE	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Liverworts/mosses/lichens	/									/
Emergent broad-leaved herbs				/						/
Emergent reeds/sedges/rushes				/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	Bankfull width (m)	Banktop height (m)
3.0	25.0	4.0
Banktop = Bankfull ?	Water width (m)	Banktop = Bankfull ?
Y	21.0	N
Embanked height (m)	Water depth (m)	Embanked height (m)
0.0	*	0.0

If trashline lower than break in slope, indicate: height above water(m) = 2.75

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

O FEATURES OF SPECIAL INTEREST

None	X				
Waterfalls >5m high		Artificial open water		Bog	Fringing reed-bank
Braided/side channels		Natural open water		Carr	Floating mat
Debris dam		Water meadow		Marsh	Other
Leafy debris		Fen		Flush	

F CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrum, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other? P3

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
Land Management: PARKLAND
Animals:
Other significant observations:

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	28	Slope (m/km)	1.2	Flow category (1-10)	8
BGS Solid geology code	74	BGS Drift geology code	5	Planform category	2
Distance from source(km)	84.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12021

Grid reference: SO 358078 River: USK 41
 Date: 11/11 /1997 Time: 15.34 Surveyor: JP Accred. code: MN61

Adverse conditions? No Yes X
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes X
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

shallow vee		concave/bowl	
deep vee			X symmetrical
gorge			asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	0	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Woods/mixed woodland (BL)	/	/	Rough pasture (RP)		
Uniform plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Wetland/heath (MH)			Wetland (eg bog, marsh, fen)(W)		
Sub (SC)	/	/	Open water (OW)		
Herbs (TH)			Suburban/urban development (SU)		/
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified			Resectioned		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe	/	/	Reinforced - top only		
Top >4.5	E	E	Reinforced - toe only		
Stable			Artificial two-stage		
Composite	/	/	Poached		/
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)	X		Exposed boulders	X	
Riffle(s)	X		Unvegetated mid-channel bar(s)	X	
Run(s)	X		Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Slide(s)		X	Unvegetated side bar(s)	X	
Point(s)	X		Vegetated side bar(s)		X
Pointed reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	PC	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	SC	NO	NO

CHANNEL

Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

Material	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

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	BL	BL
LEFT BANK-TOP	U	B	U	U	U	S	U	U	B	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	C	S	S	S
RIGHT BANK-TOP	U	C	S	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SU	BL	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

NONE	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/hedges/rushes		/		/	/		/			/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	3.5	Bankfull width (m)	24.0	Banktop height (m)	3.5
Banktop = Bankfull?	Y	Water width (m)	22.0	Banktop = Bankfull?	Y
Embanked height (m)	0.8	Water depth (m)	*	Embanked height (m)	0.0

If trashes lower than break in slope, indicate: height above water(m) = 1.5
 Bed material at site is: consolidated unconsolidated unknown X
 Location of measurement is: riffle run or glide X other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X Weirs				Revetments		
Sluices				Oufalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

Q FEATURES OF SPECIAL INTEREST

None				
Waterfalls >5m high		Artificial open water		Bog
Braided/side channels		Natural open water		Carr
Debris dam		Water meadow		Marsh
Leafy debris	X	Fen		Flash
				Fringing reed-bank
				Floating mat
				Other

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management:
 Animals: HERON
 Other significant observations: Adverse conditions - high flow cloudy and turbid.
 Local reports of Mink.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	30	Slope (m/km)	1.2	Flow category (1-10)	8
BGS Solid geology code	74	BGS Drift geology code	5	Planform category	2
Distance from source(km)	83.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

C FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12022

Grid reference: SO 359088 River: USK 43

Date: 11/11/1997 Time: 13.20 Surveyor: JP Accred. code: MN61

Adverse conditions? No Yes X

Bed of river visible? No Part. X Entire

Duplicate photographs: general character? No Yes X

Surveyed from: Left X Right Channel

SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

shallow vee		concave/bowl
deep vee		symmetrical
gorge	X	asymmetrical
Terraced valley?	No Yes X	

C NUMBER OF RIFLES, POOLS AND POINT BARS

Rifles	1	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

H LAND USE WITHIN 50m OF BANKTOP

	L	R	L	R
Woodland/mixed woodland (BL)	/		E	
Coniferous plantation (CP)			/	E
Orchard (OR)				E
Wetland/heath (MH)				
Wetland (eg bog, marsh, fen)(WL)				
Rub (SC)				
Open water (OW)				
All herbs (TH)	/			
Suburban/urban development (SU)				
Rock and scree (RS)				

H BANK PROFILES

Structure/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
Exp >45	E	E	Reinforced - top only		
Shingle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		/
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	-	X	Exposed boulders	X	-
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	-	X	Mature island(s)	X	-
Glide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	-	X
Ponded reaches	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	VE	NO	NO	NO	NO	NO	NO	SC
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	P	NV	NV	NV
Flow type	UW	UW	UW	SM	RP	RP	SM	RP	RP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

E 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)	SC	SC	NO	SC	EC	EC	SC	NO	SC	EC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	BL	IG	IG	IG
LEFT BANK-TOP	S	U	U	S	S	S	S	S	U	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	B	S	S	S	S
RIGHT BANK-TOP	U	U	U	U	U	U	S	U	C	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	TL	TL	TL	TL	TL	TL	IG	IG

G CHANNEL VEGETATION TYPES

NONE	NV	NV	NV	NV	NV	NV	NV	/	/
Liverworts/mosses/lichens									
Emergent broad-leaved herbs	/	/	/	/	/	/	/	/	/
Emergent reeds/edges/rushes			/	/	/	/	/	/	/
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerged linear-leaved									
Submerged fine-leaved									
Filamentous algae	/								

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	3.0	Bankfull width (m)	27.0	Banktop height (m)	3.5
Banktop = Bankfull?	Y	Water width (m)	21.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	0.25	Embanked height (m)	0.0

If trashing lower than break in slope, indicate: height above water(m) = 1.9

Bed material at site is: consolidated - unconsolidated X unknown

Location of measurement is: riffle - run or glide X other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	Dredging	Mowing	Weed-cutting	X
	Enhancement	Other?	X	

O FEATURES OF SPECIAL INTEREST

None	X			
Waterfalls >5m high	-	Artificial open water	-	Bog
Braided/side channels	-	Natural open water	-	Carr
Debris dam	-	Water meadow	-	Marsh
Leafy debris	-	Fen	-	Flush
				Fringing reed-bank
				Floating mat
				Other

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = more)

None Giant hogweed E Himalayan balsam E Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
Land Management:
Animals:
Other significant observations: Usk Valley walk. National Trust managed land.
Adverse conditions - high flow cloudy to turbid. Wide deep river fast flowing water level elevated by recent rain. Management other - tree cutting on L/B.

S ALDERS

Alders? None Present Extensive X Diseased alders? None Present X Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	30	Slope (m/km)	1.1	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	82.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12023

Grid reference: SO 356093 River: USK 45

Date: 11/11 /1997 Time: 10.40 Surveyor: JP Accred. code: MN61

Adverse conditions? No Yes

Bed of river visible? No Part. Entire

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee		concave/bowl
deep vee	<input checked="" type="checkbox"/>	symmetrical
gorge		asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	0	Unvegetated point bar	1
Pools	0	Vegetated point bar	2

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Woodland/mixed woodland (BL)	/		Rough pasture (RP)	/	
Coniferous plantation (CP)			Improved/Semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Wetland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Scrub (SC)			Open water (OW)		
Wetland herbs (TH)	/		Suburban/urban development (SU)	/	/
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified	/	/	Resectioned		
Vertical/undercut	/	/	Reinforced - whole bank	/	
Vertical + toe	/	/	Reinforced - top only		
Step >4S	E	E	Reinforced - toe only		/
Artificial			Artificial two-stage		
Composite			Poached	/	/
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffle(s)	X	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	-	X	Mature island(s)	X	-
Glides(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	BR
Bank modification(s)	PC	NO	NO	NO	PC(B)	NO	NO	NO	RI	RI
Bank feature(s)	SC	EC	EC	VB	SC	NO	SC	NO	NO	NO
CHANNEL										
Channel substrate	NV	NV	P	P	NV	NV	NV	NV	NV	NV
Flow type	RP	SM	SM	RP	RP	RP	SM	SM	SM	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RI	NO	RI	NO	NO	NO	RI	PC(B)	NO	PC(B)
Bank feature(s)	SC	SC	SC	SC	SC	NO	NO	NO	VF	EC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	BL	TH	BL	BL	RP	RP
LEFT BANK-TOP	U	U	U	U	S	S	S	S	U	S
LEFT BANK FACE	S	B	S	U	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	B	U	B
RIGHT BANK-TOP	S	S	S	S	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

NONE	NV	NV	NV	NV	NV	NV	/	/	NV	NV
Liverworts/mosses/lichens										
Emergent broad-leaved herbs		/								/
Emergent reeds/sedges/rushes	/	/	/	/	/	/			/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

I CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK	
Banktop height(m)	3.0	Bankfull width (m) 20.0	Banktop height (m) 2.5
Banktop = Bankfull?	N	Water width (m) 17.5	Banktop = Bankfull? Y
Embanked height (m)	0.0	Water depth (m)	Embanked height (m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.5

Bed material at site is: consolidated - unconsolidated - unknown X

Location of measurement is: riffle - run or glide X other -

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	1	
Stuices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other	1	2

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging - Mowing - Weed-cutting -

Enhancement - Other? -

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	-	Artificial open water	-	Bog	-	Fringing reed-bank	-
Braided/side channels	-	Natural open water	-	Carr	-	Floating mat	-
Debris dam	-	Water meadow	-	Marsh	-	Other	-
Leafy debris	-	Fen	-	Flush	-		-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = maree)

None - Giant hogweed Himalayan balsam Japanese knotweed - Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals: SWAN HERON DRAGON/DAMSELFLIES

Other significant observations: Three old jetties now large. Adverse conditions

High flow cloudy to turbid.

S ALDERS

Alders? None - Present Extensive - Diseased alders? None Present - Extensive -

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	32	Slope (m/km)	1.1	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Platform category	2
Distance from source(km)	81.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12024

Grid reference: SO 348089 River: USK 47

Date: 5/09 /1997 Time: 13.30 Surveyor: JP Accred. code: MN61

Adverse conditions? No Yes

Bed of river visible? No Part. Entire

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee		concave/bowl
deep vee	<input checked="" type="checkbox"/>	symmetrical
gorge		asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	2	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Arable/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)		
Sub (SC)			Open water (OW)		
Herbs (TH)	/	/	Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Artificial/undercut	/	E	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank	/	/
Step >45	E	/	Reinforced - top only		
Stable			Reinforced - toe only	E	
Composite			Artificial two-stage		
			Poached	/	
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E (>33%)		None	Present E (>33%)
Waterfall(s)	X		Marginal dead-water		X
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)	X		Exposed boulders	X	
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)		X
Boil(s)	X		Mature island(s)	X	
Glide(s)		X	Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)		X
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)		X

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	SC	NO	NO	NO	NO	NO	NO	NO	SC
CHANNEL										
Channel substrate	NV	CO	CO	CO	CO	CO	NV	NV	NV	NV
Flow type	RP	CH	NP	SM	SM	RP	SM	SM	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	VB	VB	VB
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)	SC	NO	SC	NO	NO	NO	EC	NO	SC	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	U	U	S	S	U	U	U	U	U	U
LEFT BANK FACE	B	S	S	S	S	S	B	S	S	C
RIGHT BANK FACE	S	S	C	S	S	S	C	S	S	C
RIGHT BANK-TOP	S	U	S	S	U	U	U	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

	NV	NV				NV	NV	NV	NV	NV
NONE										
Liverworts/mosses/lichens			/							/
Emergent broad-leaved herbs					/					/
Emergent reeds/sedges/rushes			/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious		/	/	/	/	/	/	/	/	/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved			/							/
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	3.0	Bankfull width(m) 52.0 Banktop height(m) 2.5
Banktop = Bankfull?	N	Water width(m) 33.0 Banktop = Bankfull? Y
Embanked height(m)	0.0	Water depth(m) 0.8 Embanked height(m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 2.0

Bed material at site is: consolidated - unconsolidated X unknown

Location of measurement is: riffle run or glide - other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls		
Culverts				Fords		
Bridges	1			Deflectors		
				Other		1

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

N EVIDENCE OF RECENT MANAGEMENT

None <input checked="" type="checkbox"/>	Dredging	Mowing	Weed-cutting
	Enhancement	Other?	

O FEATURES OF SPECIAL INTEREST

None <input checked="" type="checkbox"/>	Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank
	Braided/side channels	Natural open water	Carr	Floating mat
	Debris dam	Water meadow	Marsh	Other
	Leafy debris	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals: DIPPER MINK WATER VOLE GREY WAGTAIL DRAGON DAMSELFLIES

Other significant observations: Mink and water vole footprints. Adverse conditions - High flow.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Altitude(m) 52 Slope (m/km) 1.1 Flow category (1-10) 8
BGS Solid geology code 75 BGS Drift geology code 5 Platform category 2
Distance from source(km) 80.5 Significant tributary? N Navigation? N
Height of source(m) 500 Water Quality class 1.5 RHS Segment type 2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
Grid reference: SO 341091 River: USK 49
Date: 5/09 /1997 Time: 12.10 Surveyor: DS Accred. code: MNS9
Adverse conditions? No Yes X
Bed of river visible? No Part. X Entire.
Duplicate photographs: general character? No Yes X
Surveyed from: Left X Right Channel
SERCON survey in addition? No N Yes

PREDOMINANT VALLEY FORM
shallow vec concave/bowl
deep vec X symmetrical
gorge asymmetrical
Terraced valley? No Yes X

NUMBER OF RIFFLES, POOLS AND POINT BARS
Riffles 2 Unvegetated point bar 0
Pools 1 Vegetated point bar 1
Output created by IFF, Wareham on 29/03/1998

LAND USE WITHIN 50m OF BANKTOP
Madia/mixed woodland (BL) / / / /
Coniferous plantation (CP) Improved/semi-improved grass (IG) E E
Orchard (OR) Tilled land (TL)
Moorland/heath (MH) Wetland (eg bog, marsh, fen)(WL)
Shrub (SC) Open water (OW) / /
Small herbs (TH) / / / / / / / / / /
Rock and scree (RS)

BANK PROFILES
Natural/unmodified L R Artificial/modified L R
Vertical/undercut E Resectioned
Vertical + toe E Reinforced - whole bank
Deep >45 / Reinforced - top only
Steep E Reinforced - toe only
Composite / Artificial two-stage
Poached
Embanked
Set-back embankments

EXTENT OF TREES AND ASSOCIATED FEATURES
TREES Left Right ASSOCIATED FEATURES None Present E (>33%)
None X Shading of channel X
Isolated/scattered Overhanging boughs X
Regularly spaced, single Exposed bankside roots X
Occasional clumps X Underwater tree roots X
Semi-continuous Fallen trees X
Continuous Coarse woody debris X

EXTENT OF CHANNEL FEATURES
Waterfall(s) None Present E Marginal deadwater None Present E (>33%)
Cascade(s) X Exposed bedrock X
Rapid(s) X Exposed boulders X
Riffle(s) X Unvegetated mid-channel bar(s) X
Run(s) X Vegetated mid-channel bar(s) X
Boil(s) X Mature island(s) X
Glide(s) X Unvegetated side bar(s) X
Pool(s) X Vegetated side bar(s) X
Ponded reach(es) X Discrete silt deposit(s) X
Discrete sand deposit(s) X

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES
LEFT 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) PB PB PB VP VP VP NO VP VP PB
CHANNEL Channel substrate P P P P CO CO CO CO P P
Flow type RP RP RP RP SM RP RP UW RP SM
Channel modification(s) NO NO NO NO NO NO NO NO NO NO
Channel feature(s) NO NO NO NO NO NO NO NO NO NO
RIGHT BANK 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) EC EC SC SC SC NO SC SC EC SC
F BANKTOP LAND USE AND VEGETATION STRUCTURE
LAND USE WITHIN 5m OF BANKTOP (L) IG IG IG IG IG IG RP RP RP RP
LEFT BANK-TOP U U U U U U S S S S
LEFT BANK FACE U U U U U U S S S S
RIGHT BANK FACE B S S S S S S B B S
RIGHT BANK-TOP S S S U U U U U U S
LAND USE WITHIN 5m OF BANK TOP (R) IG BL IG IG IG IG IG IG IG BL
G CHANNEL, VEGETATION TYPES
NONE NV NV NV NV NV NV NV NV NV NV
Liverworts/mosses/lichens / / / / / / / / / /
Emergent broad-leaved herbs
Emergent reeds/sedges/rushes / / / / / / / / / /
Floating-leaved (rooted)
Free-floating
Amphibious / / / / / / / / / /
Submerged broad-leaved
Submerged linear-leaved
Submerged fine-leaved
Filamentous algae

I. CHANNEL DIMENSIONS
LEFT BANK CHANNEL RIGHT BANK
Banktop height(m) 1.5 Bankfull width (m) 36.0 Banktop height (m) 2.0
Banktop = Bankfull? Y Water width (m) 25.5 Banktop = Bankfull? N
Embanked height (m) 0.0 Water depth (m) 0.5 Embanked height (m) 0.0
If trashline lower than break in slope, indicate: height above water(m) = 0.0
Bed material at site is: consolidated unconsolidated Unknown
Location of measurement is: riffle X run or glide other

M ARTIFICIAL FEATURES
None Major Intermediate Minor Major Intermediate Minor
X Weirs Revetments
Sluices Outfalls
Culverts Fords
Bridges Deflectors
Other

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

N EVIDENCE OF RECENT MANAGEMENT
None X Dredging Mowing Weed-cutting
Enhancement Other?

O FEATURES OF SPECIAL INTEREST
None Waterfalls >5m high Artificial open water Bog Fringing reed-bank
Braided/side channels Natural open water X Carr Floating mat
Debris dam Water meadow Marsh Other
Leafy debris Fen Flush

P CHOKED CHANNEL
Is 33% or more of the channel choked with vegetation? NO X YES

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = hramble, + more)
None X Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)
Major impacts: LITTER
Land Management:
Animals: DRAGON DAMSEL FLIES
Other significant observations: River course considerably changed very different from the map no big meander.

S ALDERS
Alders? None Present X Extensive Diseased alders? None X Present Extensive

BACKGROUND MAP-BASED INFORMATION <small>(See RHS manual for definitions)</small>					
Altitude(m)	33	Slope (m/km)	1.1	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Platform category	2
Distance from source(km)	79.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12026

Grid reference: SO 335098 River: USK 51

Date: 5/09 /1997 Time: 11.30 Surveyor: JP Accred code: MN61

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	0	Unvegetated point bar	0
Pools	0	Vegetated point bar	2

Output created by IFF, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

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

I BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	/	/	Recessed		
Vertical + toe	E		Reinforced - whole bank	/	
Steep >45			Reinforced - top only		
Gentle		E	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)	X		Exposed boulders	X	
Riffle(s)	X		Unvegetated mid-channel bar(s)	X	
Run(s)	X		Vegetated mid-channel bar(s)	X	
Bull(s)	X		Mature island(s)	X	
Slide(s)		X	Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	RR	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	RI	NO	NO	NO
Bank feature(s)	NO	SC	SC	EC	EC	EC	NO	EC	SC	EC
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	CO	NV
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

Material	EA	EA	EA	EA	NV	NV	EA	NV	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	VP	VP	PB	PB	PB	NO	PB

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	RP	RP	RP	IG	IG	IG	IG	IG	IG	IG	TL
LAND USE WITHIN 5m OF BANKTOP (L)											
LEFT BANK-TOP	U	U	S	U	U	U	U	U	U	U	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	U	U	
RIGHT BANK-TOP	U	U	U	S	U	U	U	U	U	U	
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

NONE	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Liverworts/mosses/lichens											
Emergent broad-leaved herbs											
Emergent reeds/sedges/rushes	/		/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)											
Free-floating											
Amphibious								/	/	/	/
Submerged broad-leaved											/
Submerged linear-leaved											
Submerged fine-leaved											
Filamentous algae											

L CHANNEL DIMENSIONS

	CHANNEL		RIGHT BANK
LEFT BANK			
Banktop height(m)	2.5	Bankfull width (m)	47.0
Bankup = Bankfull?	Y	Water width (m)	44.0
Embanked height (m)	0.0	Water depth (m)	*
		Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 2.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls	I	
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None <input checked="" type="checkbox"/>	Dredging	-	Mowing	-	Weed-cutting	-
	Enhancement	-	Other?	-		

O FEATURES OF SPECIAL INTEREST

None <input checked="" type="checkbox"/>					
Waterfalls >5m high	-	Artificial open water	-	Bog	-
Braided/side channels	-	Natural open water	-	Carr	-
Debris dam	-	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 (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
Land Management:
Animals: SAND MARTIN SWAN
Other significant observations: Adverse conditions - high flow turbid.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	33	Slope (m/km)	1.1	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	78.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12027

Grid reference: SO 329096 River: USK 53
 Date: 4/09 /1997 Time: 16.55 Surveyor: LC Accred. code: MN60

Adverse conditions? No Yes X

Bed of river visible? No X Part: Entire

Duplicate photographs: general character? No Yes X

Surveyed from: Left X Right Channel

SERCON survey in addition? No N Yes

PREDOMINANT VALLEY FORM

- shallow vee	-	concave/bowl
- deep vee	X	symmetrical
- gorge	-	asymmetrical

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	2	Unvegetated point bar	0
Pools	2	Vegetated point bar	1

Outlet created by IFE, Wareham on 29/03/1998

LAND USE WITHIN 50m OF BANKTOP

	L	R	L	R
Grass/mixed woodland (BL)	/	/		
Coniferous plantation (CP)				
Improved/semi-improved grass (IG)			E	E
Tilled land (TL)				
Wetland (eg bog, marsh, fen)(WL)				
Open water (OW)				
Suburban/urban development (SU)	/	/		/
Rock and scree (RS)				

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified	/	/			
Vertical undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank	/	/
Top > 45	/	/	Reinforced - top only		
Embankment			Reinforced - toe only	/	/
Composite			Artificial two-stage		
			Poached	/	/
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	X	-
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	-	X	Mature island(s)	X	-
Glide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	-	X	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	-	-
			Discrete sand deposit(s)	-	-

Spot check 1 is at: upstream end - downstream end X

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	BR	BW	BW	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RI	NO	RI	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	VP	VP	VP	NO	NO	NO	NO	NO	SC

CHANNEL

Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	SM	SM	NP	SM	NP	UW	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

Material	BR	BR	EA	EA	EA	NV	EA	EA	EA	EA
Bank modification(s)	RI	RI	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	EC	SC	SC	EC	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	1G	IG	IG	IG	IG	IG	IG	IG	IG	IG
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	U	U	U	U	S	U	U	U	U	U
LEFT BANK FACE	C	C	C	B	S	S	S	C	S	C
RIGHT BANK FACE	S	S	S	S	B	S	S	B	S	S
RIGHT BANK-TOP	U	S	S	U	U	S	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Liverworts/mosses/lichens										
Emergent broad-leaved herbs	/		/					/	/	/
Emergent reeds/sedges/rushes		/		/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	2.0	Bankfull width (m)	34.5	Banktop height (m)	1.75
Banktop = Bankfull?	N	Water width (m)	27.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 1.5
 Bed material at site is: consolidated - unconsolidated - unknown X

Location of measurement is: riffle - run or glide X other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	2	
Sluices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None X	Dredging	Mowing	Weed-cutting
	Enhancement	Other?	

O FEATURES OF SPECIAL INTEREST

None X	Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank
	Braided/side channels	Natural open water	Carr	Floating mat
	Debris dam	Water meadow	Marsh	Other
	Leafy debris	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS

(Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = brambles, + more)

None Giant hogweed Himalayan balsam X Japanese knotweed Other?

R OVERALL CHARACTERISTICS

(Comments may have been paraphrased!)

Major impacts:	TIPPING
Land Management:	
Animals:	GREY WAGTAIL SAND MARTIN DRAGON/DAMSEL/FLIES
Other significant observations:	Adverse conditions - High flow/turbid.

S ALDERS

Alders? None Present X Extensive Diseased alders? None X Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12028

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	35	Slope (m/km)	1.1	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	77.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12028

Grid reference: SO 318095 River: USK 55

Date: 4/09 /1997 Time: 16.30 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes X

Bed of river visible? No X Part. Entire.

Duplicate photographs: general character? No Yes X

Surveyed from: Left X Right Channel

SERCON survey in addition? No N Yes

PREDOMINANT VALLEY FORM

shallow vee		concave/bowl	
deep vee	X	symmetrical	
gorge		asymmetrical	

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	0
Pools	0	Vegetated point bar	1

Outlet created by IFE, Wareham on 25/03/1998

IFE NO. 12028 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12028

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
roadleat/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)		
all herbs (TH)	/	/	Suburban/urban development (SU)		/
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
natural/unmodified			Resectioned		
vertical/undercut			Reinforced - whole bank		/
Vertical + toe	/		Reinforced - top only		
deep >45	E	E	Reinforced - toe only		/
gentle			Artificial two-stage		
composite			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	-	X
Glidet(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12028

Spot check 1 is at: upstream end X downstream end

E. PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	VP	(SC)	NO	NO	NO
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	P	NV	NV
Flow type	SM	SM	SM	SM	RP	SM	SM	SM	UW	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	MI	NO	NO
RIGHT BANK										
Material	EA	EA	EA	BR	EA	EA	EA	EA	NV	EA
Bank modification(s)	RI	RI	NO	RI	NO	NO	RI	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	IG	IG	IG	IG	IG	IG	IG	BL	IG	IG
LEFT BANK FACE	U	U	U	U	U	U	U	S	U	U
RIGHT BANK FACE	S	S	S	B	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	B	S	S	S	C	S	S
LAND USE WITHIN 5m OF BANK TOP (R)										
	SU	SU	SU	SU	TH	IG	BL	BL	BL	BL

G CHANNEL VEGETATION TYPES

	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
NONE										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs					/					/
Emergent reeds/sedges/rushes		/		/						/
Floating-leaved (rooted)										
Free-floating										
Amphibious					/					/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

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L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK	
Banktop height(m)	3.0	Bankfull width (m) 35.0	Banktop height (m) 4.0
Banktop = Bankfull?	Y	Water width (m) 30.0	Banktop = Bankfull? N
Embanked height (m)	0.0	Water depth (m) *	Embanked height (m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated - unconsolidated - unknown X

Location of measurement is: riffle X run or glide - other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weir				Revetments		
Sluices				Ouifalls	1	
Culverts				Fords		
Bridges			1	Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	X	Dredging	-	Mowing	-	Weed-cutting	-
		Enhancement	-	Other?	-		

O FEATURES OF SPECIAL INTEREST

None	X	Artificial open water	-	Bog	-	Fringing reed-bank	-
Waterfalls >5m high	-	Natural open water	-	Carr	-	Floating mat	-
Braided/side channels	-	Water meadow	-	Marsh	-	Other	-
Debris dam	-	Fen	-	Flush	-		

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = moss)

None - Giant hogweed X Himalayan balsam X Japanese knotweed X Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: LITTER HOUSING ROAD

Land Management:

Animals: SAND MARTIN BUZZARD

Other significant observations: Adverse conditions - High flow/arb. etc.

S ALDERS

Alders? None - Present - Extensive X Diseased alders? None X Present - Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12029

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 37 Slope (m/km) 1.1 Flow category (1-10) 8
 BGS Solid geology code 75 BGS Drift geology code 5 Planform category 1
 Distance from source(km) 76.5 Significant tributary? N Navigation? N
 Height of source(m) 500 Water Quality class 1.5 RHS Segment type 2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12029

Grid reference: SO 318103 River: USK 57

Date: 5/09 /1997 Time: 9.15 Surveyor: LC Accred. code: MN60

Adverse conditions? No _ Yes X

Bed of river visible? No _ Part X Entire _

Duplicate photographs: general character? No _ Yes X

Surveyed from: Left X Right _ Channel _

SERCON survey in addition? No N Yes _

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl

deep vee symmetrical

gorge X asymmetrical

Terraced valley? No X Yes _

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 0 Unvegetated point bar 0

Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 29/03/1998

1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12029

H LAND USE WITHIN 50m OF BANKTOP

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

I BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut		/	Resectioned		
Vertical + toe		/	Reinforced - whole bank		
Slope >45	E	E	Reinforced - top only		
Benign			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	/	
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffle(s)	X	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	-	X
Ponded reach(es)	X	-	Discrete silt deposit(s)	-	-
			Discrete sand deposit(s)	-	X

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12029

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

	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)	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	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	SM	RP	RP	RP	RP	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	NV	NV	NV	NV	NV	NV	NV
Bank modification(s)	NO	NO	NO	NO	NO	NO	RS	NO	NO	NO
Bank feature(s)	VS	VS	NO	SC	SC	SC	NO	SC	NV	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	*	*	*	*	*	*	*	IG	IG	IG
LEFT BANK TOP	S	C	C	C	S	C	S	U	U	U
LEFT BANK FACE	S	S	C	C	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	C	C	C	S	S	S
RIGHT BANK TOP	S	S	S	C	S	S	S	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES

	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
NONE										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious							/	/	/	/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

1997 RIVER HABITAT SURVEY page 4 of 4 12029

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK	
Banktop height(m)	10.0	Bankfull width(m) 40.0	Banktop height(m) 3.0
Banktop = Bankfull?	N	Water width(m) 31.0	Banktop = Bankfull? N
Embanked height(m)	0.0	Water depth(m) *	Embanked height(m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 2.0

Bed material at site is: consolidated _ unconsolidated _ unknown X

Location of measurement is: riffle _ run or glide X other _

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflecuers		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging _ Mowing _ Weed-cutting _

Enhancement _ Other? _

O FEATURES OF SPECIAL INTEREST

None X

Waterfalls >5m high	-	Artificial open water	-	Bug	-	Fringing reed-bank	-
Braided/side channels	-	Natural open water	-	Carr	-	Floating mat	-
Debris dam	-	Water meadow	-	Marsh	-	Other	-
Leafy debris	-	Fen	-	Flush	-		-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None _ Giant hogweed X Himalayan balsam E Japanese knotweed X Other? P3

R OVERALL CHARACTERISTICS (Comments may have been paraphrased)

Major impacts:

Land Management:

Animals: KINGFISHER

Other significant observations: Adverse conditions - High flow. Diseased sycamore (black leaf spots). Well trodden footpath (ledge) for 2/3 of section length.

S ALDERS

Alders? None _ Present X Extensive _ Diseased alders? None _ Present X Extensive _

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	37	Slope (m/km)	1.1	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	75.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12030

Grid reference: SO 312111 River: USK 59

Date: 5/09 /1997 Time: 9.00 Surveyor: DS Accred. code: MNS9

Adverse conditions? No Yes X

Bed of river visible? No Part. X Entire

Duplicate photographs: general character? No Yes X

Surveyed from: Left X Right Channel

SERCON survey in addition? No N Yes

PREDOMINANT VALLEY FORM

shallow vee		concave/bowl
deep vee		symmetrical
gorge	X	asymmetrical

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	0
Pools	0	Vegetated point bar	1

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

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

I BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/		Resectioned		
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		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	-	X
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	-	-	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	NO	SC	NO	SC	SC	SC	NO	NO	NO

CHANNEL

Channel substrate	CO	CO	NV	NV	CO	CO	NV	NV	CO	NV
Flow type	SM	SM	RP	SM	SM	SM	RP	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	RO	NO	NO	NO

RIGHT BANK

Material	EA	NV	NV	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	SC	VP	VP	PB	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	BL	BL	BL	BL	BL	SC
LEFT BANK FACE	U	U	S	S	S	C	C	S	C	S
LEFT BANK TOP	S	S	S	S	S	S	S	S	C	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES

NONE	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes	/	/		/	/		/	/	/	/
Floating-leaved (rooted)										
Free-floating							/			/
Amphibious	/									/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	8.0	Bankfull width (m) 52.0
Banktop height(m)		Banktop height (m) 3.8
Banktop = Bankfull?	N	Water width (m) 33.0
Banktop = Bankfull?		Banktop = Bankfull?
Embanked height (m)	0.0	Water depth (m)
		Embanked height (m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 2.8
 Bed material at site is: consolidated - unconsolidated - unknown X
 Location of measurement is: riffle - run or glide X other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls	1	
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging - Mowing - Weed-cutting -
 Enhancement - Other?

O FEATURES OF SPECIAL INTEREST

None				
Waterfalls >5m high	-	Artificial open water	-	Bog
Braided/side channels	-	Natural open water	-	Carr
Debris dam	-	Water meadow	-	Marsh
Leafy debris	-	Fen	-	Flush
				Fringing reed-bank X
				Floating mat
				Other

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None - Giant hogweed X Himalayan balsam E Japanese knotweed - Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: LITTER
 Land Management:
 Animals: KINGFISHER
 Other significant observations: Adverse conditions - High flow/turbid, Dissolved
 cyanobacteria with black spots on leaves.

S ALDERS

Alders? None - Present - Extensive X Diseased alders? None X Present - Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	38	Slope (m/km)	1.1	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Platform category	2
Distance from source(km)	74.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
Reference site number: 12031

Grid reference: SO 384112 River: USK 61
Date: 4/09 /1997 Time: 13.20 Surveyor: JP Accred. code: MN61

Adverse conditions? No Yes X
Bed of river viable? No X Part Entire
Duplicate photographs: general character? No Yes X
Surveyed from: Left Right X Channel
SERCON survey in addition? No N Yes

PREDOMINANT VALLEY FORM

shallow vee	concave/bowl
deep vee	symmetrical
gorge	asymmetrical
Terraced valley?	No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	0	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

Radical/mixed woodland (BL)	L	R	Rough pasture (RP)	L	R
Coniferous plantation (CP)	E	/	Improved/semi-improved grass (IG)	/	E
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Shrub (SC)			Open water (OW)		
Willow herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe		/	Reinforced - whole bank		/
Deep >45	E	E	Reinforced - top only		
Composite			Reinforced - toe only		/
			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E (>33%)
None	-	-	Shading of channel	X	-
Isolated/scattered	-	-	Overhanging boughs	-	X
Regularly spaced, single	-	-	Exposed bankside roots	X	-
Occasional gaps	X	X	Underwater tree roots	X	-
Semi-continuous	-	-	Fallen trees	-	X
Continuous	-	-	Coarse woody debris	-	X

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffle(s)	X	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	X	-	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	NV	NV	NV	EA	NV	EA	EA	EA	NV	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	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	RI	RI	NO	NO	NO	NO	PC(B)	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	RP	IG	BL	RP	BL	IG	IG	BL	BL	RP
LEFT BANK-TOP	S	S	S	S	S	U	U	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	U	S	S	S	S	S	S
RIGHT BANK-TOP	U	S	S	S	S	S	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	SC	IG	BL	BL	BL	BL	BL	IG

G CHANNEL VEGETATION TYPES

NONE	NV		NV	NV	NV	NV	NV	NV	NV
Liverworts/mosses/lichens									
Emergent broad-leaved herbs		/	/		/				/
Emergent reeds/sedges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerged linear-leaved									
Submerged fine-leaved									
Filamentous algae									

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	3.5	Bankfull width (m)	30.0	Banktop height (m)	3.0
Banktop = Bankfull?	N	Water width (m)	25.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
Bed material at site: consolidated - unconsolidated - unknown X
Location of measurement is: riffle - run or glide X other -

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls	2	
Culverts				Fords		
Bridges	1			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None X	Dredging	Mowing	Weed-cutting
	Enhancement	Other?	

O FEATURES OF SPECIAL INTEREST

None X	Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank
	Braided/side channels	Natural open water	Carr	Floating mat
	Debris dam	Water meadow	Marsh	Other
	Leafy debris	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS

(Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = moss)

None - Giant hogweed X Himalayan balsam X Japanese knotweed - Other? -

R OVERALL CHARACTERISTICS

(Comments may have been paraphrased!)

Major impacts: SEWAGE ROAD
Land Management:
Animals: DRAGON/DAMSELFLIES
Other significant observations: Adverse conditions - High flow/turbid.

S ALDERS

Alders? None - Present X Extensive - Diseased alders? None X Present - Extensive -

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	39	Slope (m/km)	1.1	Flow category (1-10)	X
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	73.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	1

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12032

Grid reference: SO 298117 River: USK 63

Date: 4/09 /1997 Time: 11.55 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes X

Bed of river visible? No X Part. Entire.

Duplicate photographs: general character? No Yes X

Surveyed from: Left Right X Channel

SERCON survey in addition? No N Yes

PREDOMINANT VALLEY FORM

shallow vee X concave/bowl

deep vee symmetrical

gorge asymmetrical

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 1 Unvegetated point bar 1

Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 29/03/1998

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

LEFT BANK

Material	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	VP	VP	NO	NO	NO	NO	NO	NO	NO	NO

CHANNEL

Channel substrate	NV	CO	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	RP	SM	SM	RP	RP	UW	UW	UW	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

Material	EA	EA	BW	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	RI	NO	NO	NO	NO	RI	NO	NO
Bank feature(s)	EC	SC	EC	SC	SC	NO	NO	SC	SC	

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	TL	TL	TL	TL	TL	TL	TL	TL	TL	TL
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	C	S	C	S	S	C	C	C	C	C
RIGHT BANK FACE	B	C	S	S	S	C	C	S	S	S
RIGHT BANK-TOP	U	U	U	S	S	U	S	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	SC	IG	IG	IG

G CHANNEL VEGETATION TYPES

NONE	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Liverworts/mosses/fichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes		/	/			/				/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Woadleaf/mixed woodland (BL)	/	/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		E
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Scrub (SC)		/	Open water (OW)		
All herbs (TH)	/	/	Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe	/	E	Reinforced - whole bank		
Slope >45	E	/	Reinforced - top only		
Bankline			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES	None	Left	Right	ASSOCIATED FEATURES		
				None	Present	E (>33%)
Isolated/scattered						X
Regularly spaced, single					X	
Occasional clumps						
Semi-continuous				X		
Continuous	X	X				X

EXTENT OF CHANNEL FEATURES

Waterfall(s)	None	Present	E	Marginal deadwater		
				None	Present	E (>33%)
Cascade(s)	X				X	
Rapid(s)	X				X	
Riffle(s)		X			X	
Run(s)			X			
Boil(s)	X				X	
Glide(s)		X			X	
Pool(s)	X				X	
Ponded reaches	X					
						Discrete sand deposit(s)

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL		RIGHT BANK			
	Banktop height(m)	3.0	Bankfull width (m)	45.5	Banktop height (m)	10.0
	Banktop = Bankfull?	N	Water width (m)	30.5	Banktop = Bankfull?	N
	Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 2.0

Bed material at site is: consolidated - unconsolidated - unknown X

Location of measurement is: riffle X run or glide - other -

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	X	Dredging	-	Mowing	-	Weed-cutting	-
		Enhancement	-	Other?	-		

O FEATURES OF SPECIAL INTEREST

None	X	Artificial open water	-	Bog	-	Fringing reed-bank	-
		Natural open water	-	Carr	-	Floating mat	-
		Water meadow	-	Marsh	-	Other	-
		Fen	-	Flush	-		-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None - Giant hogweed - Himalayan balsam X Japanese knotweed - Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: TIPPING
Land Management:
Animals: SAND MARTIN DRAGON/DAMSELFLIES
Other significant observations: Adverse conditions - High flow/rapid.

S ALDERS

Alders? None - Present - Extensive X Diseased alders? None X Present - Extensive -

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	40	Slope (m/km)	1.7	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	72.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12033

Grid reference: SO 302122 River: USK 65

Date: 4/09 /1997 Time: 10.35 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes X

Bed of river visible? No X Part. Entire

Duplicate photographs: general character? No Yes X

Surveyed from: Left Right X Channel

SERCON survey in addition? No N Yes

C PREDOMINANT VALLEY FORM

shallow vee		concave/bowl
deep vee	X	symmetrical
gorge		asymmetrical

Terraced valley? No X Yes

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	2	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Warcham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Broadleaf/mixed woodland (BL)		/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Sub (SC)			Open water (OW)		
Herbs (TH)	/	/	Suburban/urban development (SU)	/	/
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Artificial/undercut			Resectioned	/	/
Vertical + toe			Reinforced - whole bank		
Step >45	/	/	Reinforced - toe only		
Embankment	/	E	Reinforced - toe only	/	/
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	-	X
Glides	-	X	Unvegetated side bar(s)	-	X
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	-	-
			Discrete sand deposit(s)	-	-

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	NV	NV	NV	EA	NV	EA	EA	EA
Bank modification(s)	RS	NO	RI	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	VS	NO	NO	NO	NO	NO	NO	NO	NO	SC
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	UW	UW	RP	SM	SM	SM	SM	SM	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	MI	MI	MI	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										
LAND USE WITHIN 5m OF BANKTOP (L)										
IG	IG	IG	BL	BL	IG	IG	BL	BL	BL	BL
LEFT BANK-TOP										
U	U	U	S	S	S	S	S	C	C	C
LEFT BANK FACE										
S	S	S	S	S	S	S	S	S	S	C
RIGHT BANK FACE										
C	C	C	C	C	C	C	C	C	C	C
RIGHT BANK-TOP										
U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)										
IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
G CHANNEL VEGETATION TYPES										
NONE	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating					/					/
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	3.0	Bankfull width (m)	80.0	Banktop height (m)	3.0
Banktop = Bankfull?	N	Water width (m)	54.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashing lower than break in slope, indicate: height above water(m) = 1.5

Bed material at site is: consolidated unconsolidated unknown X

Location of measurement is: run or glide X other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	/	
Sluices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None X

Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank
Braided/side channels	Natural open water	Carr	Floating mat
Debris dam	Water meadow	Marsh	Other
Leafy debris	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed X Himalayan balsam E Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: TIPPING

Land Management:

Animals: DRAGON/DAMSELFLIES

Other significant observations: Extensive diseased sycamores/black leaf spots extensive, Golf course on right bank. Adverse - conditions high flow/turbid.

S ALDERS

Alders? None Present Extensive X Diseased alders? None X Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12034

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	43	Slope (m/km)	1.7	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	71.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12034

Grid reference: SO 302134 River: USK 67

Date: 4/09 /1997 Time: 10.55 Surveyor: JP Accred code: MN61

Adverse conditions? No Yes X

Bed of river visible? No Part Entire

Duplicate photographs: general character? No Yes X

Surveyed from: Left Right X Channel

SERCON survey in addition? No N Yes

C PREDOMINANT VALLEY FORM

shallow vee		concave/bowl	
deep vee	X	symmetrical	
gorge		asymmetrical	

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	1
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut			Re-sectioned		/
Vertical + toe	/	E	Reinforced - whole bank	/	/
Deep >45	E	/	Reinforced - top only		
Gravel			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present	E			
				None	Present	E (>33%)
Waterfall(s)	X			Marginal deadwater		
Cascade(s)	X			Exposed bedrock	X	
Rapid(s)	X			Exposed boulders	X	
Riffle(s)		X		Unvegetated mid-channel bar(s)	X	
Run(s)		X		Vegetated mid-channel bar(s)	X	
Boil(s)	X			Mature island(s)	X	
Glide(s)			X	Unvegetated side bar(s)	X	
Pool(s)	X			Vegetated side bar(s)		X
Ponded reach(es)	X			Discrete silt deposit(s)	X	
				Discrete sand deposit(s)		X

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	BR	NV	NV	EA	EA	EA	EA	RR	EA
Bank modification(s)	NO	RI	NK	NO	NO	RI	NO	NO	RI	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	(EC)	(SC)	NO	NO
CHANNEL										
Channel substrate	NV	P	P	CO	NV	NV	NV	NV	NV	NV
Flow type	SM	SM	SM	RP	UW	RP	RP	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	RR	RR	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	RS	RS	RI	NO	NO	NO
Bank feature(s)	(EC)	NO	NO	PB	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	RP	BL	BL	BL	BL	BL	IG	IG	IG	IG
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	S	S	S	S	S	S	U	U	U	U
LEFT BANK FACE	S	S	U	S	S	U	B	S	S	S
RIGHT BANK FACE	B	U	B	U	S	S	C	S	C	U
RIGHT BANK-TOP	U	U	U	U	U	S	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	TH	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

	NV	NV							
NONE									
Liverworts/mosses/lichens									
Emergent broad-leaved herbs	/		/	/			/	/	/
Emergent reeds/sedges/rushes		/	/		/				/
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved		/							/
Submerged linear-leaved									
Submerged fine-leaved									
Filamentous algae		/							/

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	4.0	Bankfull width (m) 37.0
Banktop = Bankfull? N	Water width (m) 34.0	Banktop = Bankfull? N
Embanked height (m) 0.0	Water depth (m) *	Embanked height (m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated - unconsolidated - unknown X

Location of measurement is: riffle - run or glide X other -

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	I	
Sluices				Outfalls		
Culverts				Fords		
Bridges		I		Deflectors		
				Other		I

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

N EVIDENCE OF RECENT MANAGEMENT

None X	Dredging -	Mowing -	Weed-cutting -
	Enhancement -	Other? -	

O FEATURES OF SPECIAL INTEREST

None X	Artificial open water -	Bog -	Fringing reed-bank -
	Natural open water -	Carr -	Flailing mat -
	Water meadow -	Marsh -	Other -
	Fen -	Flush -	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None - Giant hogweed - Himalayan balsam X Japanese knotweed - Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: ROAD

Land Management:

Animals: DRAGON/DAMSEL FLIES

Other significant observations: Adverse conditions - High flow/turbid. Sewage pipe crossing river.

S ALDERS

Alders? None X Present - Extensive - Diseased alders? None X Present - Extensive -

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with 5 columns: Attribute, Value, Attribute, Value, Attribute, Value. Includes Altitude(m), BGS Solid geology code, Distance from source(m), Height of source(m), Slope (m/km), BGS Drift geology code, Significant tributary?, Water Quality class, Flow category (1-10), Platform category, Navigation?, RHS Segment type.

C FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Grid reference: SO 295137 River: USK 69
Date: 30/9 /1997 Time: 16.05 Surveyor: DS Accred. code: MN59
Adverse conditions? No X Yes
Bed of river visible? No Part. X Entire
Duplicate photographs: general character? No Yes X
Surveyed from: Left X Right Channel
SERCON survey in addition? No N Yes

C PREDOMINANT VALLEY FORM

Table with 2 columns: Valley Form, Frequency. Includes shallow vee, deep vee, gorge, Terraced valley? No X Yes.

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 0 Unvegetated point bar 0
Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

Table with 6 columns: Code, L, R, Code, L, R. Includes Broadleaf/mixed woodland (BL), Coniferous plantation (CP), Orchard (OR), Moorland/heath (MH), Scrub (SC), Tall herbs (TH), Wetland (eg bog, marsh, fen)(WL), Open water (OW), Suburban/urban development (SU), Rock and scree (RS).

BANK PROFILES

Table with 6 columns: Profile, L, R, Profile, L, R. Includes Natural/unmodified, Vertical/undercut, Vertical + toe, Top >45, Undercut, Composite, Artificial/modified, Resectioned, Reinforced - whole bank, Reinforced - top only, Reinforced - toe only, Artificial two-stage, Poached, Embanked, Set-back embankments.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with 6 columns: Trees, Left, Right, Associated Features, None, Present E (>33%). Includes Isolated/scattered, Regularly spaced, single, Occasional clumps, Semi-continuous, Continuous, Shading of channel, Overhanging boughs, Exposed bankside roots, Underwater tree roots, Fallen trees, Coarse woody debris.

K EXTENT OF CHANNEL FEATURES

Table with 6 columns: Feature, None, Present E, Feature, None, Present E (>33%). Includes Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Bolt(s), Glide(s), Pool(s), Pooled reach(es), 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), Discrete silt deposit(s), Discrete sand deposit(s).

Spot check 1 is at: upstream end - downstream end X

E PHYSICAL ATTRIBUTES

Table with 11 columns: 1-10. Includes LEFT BANK, Material, Bank modification(s), Bank feature(s).

Table with 11 columns: CH, CO, NV, NV, NV, NV. Includes CHANNEL, Channel substrate, Flow type, Channel modification(s), Channel feature(s).

Table with 11 columns: EA, EA, EA, EA, EA, EA, NV, EA, EA, EA. Includes RIGHT BANK, Material, Bank modification(s), Bank feature(s).

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with 11 columns: IG, RP, RP, IG, IG, IG, IG, IG, IG, IG. Includes LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, LAND USE WITHIN 5m OF BANK TOP (R).

G CHANNEL VEGETATION TYPES

Table with 11 columns: NV, NV, NV, NV, NV, NV, NV, NV, NV, NV. Includes NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae.

L CHANNEL DIMENSIONS

Table with 5 columns: LEFT BANK, CHANNEL, RIGHT BANK, LEFT BANK, RIGHT BANK. Includes Banktop height(m), Banktop = Bankfull?, Embankment height(m), Bed material at site is: consolidated, unconsolidated, unknown X, Location of measurement is: riffle, run or glide X, other.

M ARTIFICIAL FEATURES

Table with 7 columns: None, Major, Intermediate, Minor, Major, Intermediate, Minor. Includes Weirs, Sluices, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other.

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

N EVIDENCE OF RECENT MANAGEMENT

Table with 5 columns: None, Dredging, Mowing X, Weed-cutting, Enhancement, Other?

O FEATURES OF SPECIAL INTEREST

Table with 5 columns: None X, Waterfalls >5m high, Braided/side channels, Debris dam, Leafy debris, Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Fringing reed-bank, Floating mat, Other.

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = more)

None Giant hogweed Himalayan balsam E Japanese knotweed Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: Land Management: PARKLAND Animals: SAND MARTIN Other significant observations: Historically resectioned & realigned but recovering.

S ALDERS

Alders? None Present X Extensive Diseased alders? None X Present Extensive

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	45	Slope (m/km)	1.7	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	69.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12036

Grid reference: SO 285138 River: USK 71

Date: 3/09 /1997 Time: 16.25 Surveyor: JP Accred. code: MN61

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input checked="" type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	2	Unvegetated point bar	0
Pools	0	Vegetated point bar	1

Output created by IFE, Wareham on 29/03/1998

LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Sadleaf/mixed woodland (BL)	/	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Sub (SC)			Open water (OW)		
Herbs (TH)	/	/	Suburban/urban development (SU)		/
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified	/	/	Resectioned		/
Vertical/undercut	/	/	Reinforced - whole bank		E
Vertical + toe	/	/	Reinforced - top only		
Top >45		/	Reinforced - toe only		
Steep	E	/	Artificial two-stage		
Composite			Poached	/	
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	-	X
Boil(s)	-	X	Mature island(s)	X	-
Glides(s)	-	X	Unvegetated side bar(s)	-	-
Pool(s)	X	-	Vegetated side bar(s)	-	X
Ponded reach(es)	X	-	Discrete silt deposit(s)	-	X
			Discrete sand deposit(s)	-	X

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	PC(B)
Bank feature(s)	NO	EC	EC	VP	VP	FB	PB	VP	VP	NO
CHANNEL										
Channel substrate	NV	NV	CO	CO	CO	CO	CO	CO	P	NV
Flow type	SM	SM	SM	SM	RP	SM	SM	SM	UW	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	VB	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	NV	NV	NV	NV	BW	BW	BW	EA	EA	NV
Bank modification(s)	NO	NO	NO	NO	RS	RS	RS	RS	NO	NO
Bank feature(s)	NO	VS	NO	NO	NO	NO	NO	SC	EC	VS
F BANKTOP LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	U	U	S	U	U	U	U	U	S	U
LEFT BANK FACE	C	S	S	U	U	U	U	U	S	B
RIGHT BANK FACE	U	S	C	S	S	S	S	S	C	S
RIGHT BANK-TOP	U	S	S	U	U	U	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	BL	BL	IG	IG	IG	IG	IG	BL	BL
G CHANNEL VEGETATION TYPES										
NONE	/	/								
Liverworts/mosses/lichens										
Emergent broad-leaved herbs			/	/	/	/	/	/	/	/
Emergent reeds/sedges/rushes			/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious										/
Submerged broad-leaved					/	/	/	/	/	/
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae			/	/	/	/	/	/	/	/

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK	
Banktop height (m)	2.0	Bankfull width (m) 31.5	Banktop height (m) 3.0
Banktop = Bankfull? Y	Water width (m) 24.0	Banktop = Bankfull? N	
Embanked height (m) 0.0	Water depth (m) 0.75	Embanked height (m) 0.0	

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
-	Weirs		I	Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None <input type="checkbox"/>	Dredging <input type="checkbox"/>	Mowing <input type="checkbox"/>	Weed-cutting <input type="checkbox"/>
	Enhancement <input type="checkbox"/>	Other? <input checked="" type="checkbox"/>	

O FEATURES OF SPECIAL INTEREST

None <input checked="" type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Fringing reed-bank <input type="checkbox"/>
Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	Floating mat <input type="checkbox"/>
Debris dam <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	Other <input type="checkbox"/>
Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased)

Major impacts:

Land Management:

Animals: KINGFISHER GREY WAGTAIL SAND MARTIN HERON

Other significant observations: Evidence of recent management - coppice.

S ALDERS

Alders? None Present Extensive Discarded alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)					
Altitude(m)	48	Slope (m/km)	1.7	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	68.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed	
Reference site number:	12037

Grid reference: SO 276145 River: USK 73
 Date: 3/09 /1997 Time: 13.15 Surveyor: DS Accred. code: MN59

Adverse conditions?	No	X	Yes	
Bed of river visible?	No		Part.	X Entire.
Duplicate photographs: general character?	No		Yes	X
Surveyed from:	Left	X	Right	Channel
SERCON survey in addition?	No		Yes	Y

PREDOMINANT VALLEY FORM			
- shallow vee			cooave/bowl
- deep vee			symmetrical
- gorge		X	asymmetrical

Terraced valley? No Yes X

NUMBER OF RIFFLES, POOLS AND POINT BARS			
Riffles	0	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP					
	L	R		L	R
road/canal/mixed woodland (BL)	/	E	Rough pasture (RP)		
coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	/
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Shrub (SC)			Open water (OW)		
Willow herbs (TH)	/	/	Suburban/urban development (SU)		
			Rock and scree (RS)		

I BANK PROFILES					
	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut		/	Resectioned	/	/
Vertical + toe	/		Reinforced - whole bank		
Steep >45	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		/
Composite			Artificial two-stage		
			Poached	/	
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES					
TREES	Left	Right	ASSOCIATED FEATURES		
None	-	-	Shading of channel	X	Present E (>33%)
Isolated/scattered	-	-	Overhanging boughs	X	-
Regularly spaced, single	-	-	Exposed bankside roots	X	-
Occasional clumps	X	-	Underwater tree roots	-	X
Semi-continuous	-	X	Fallen trees	X	-
Continuous	-	-	Coarse woody debris	-	X

EXTENT OF CHANNEL FEATURES					
	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	-	X
Riffle(s)	X	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	X	-	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Slide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	-	-
			Discrete sand deposit(s)	-	-

Spot check 1 is at: upstream end _ downstream end X

E PHYSICAL ATTRIBUTES											
	1	2	3	4	5	6	7	8	9	10	
LEFT BANK											
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	NO	NO	NO	NO	NO	NO	NO	PC	NO
Bank feature(s)	NO	NO	EC	NO	NO	NO	SC	NO	NO	NO	NO
CHANNEL											
Channel substrate	CO	NV	NV	CO	NV	NV	CO	NV	CO	NV	NV
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NK	NK	NK	NO	NO	NK	NK	NK	NK	NK	NK
Channel feature(s)	NO	NO	NO	NO	RO	NO	NO	NO	NO	NO	NO
RIGHT BANK											
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	NO	NO	NO	NO	RS	RS	NO	NO	RS	RS
Bank feature(s)	NO	SC	SC	SC	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE											
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE	U	U	B	U	S	S	S	C	S	C	
RIGHT BANK FACE	S	S	C	S	S	S	U	S	S	S	
RIGHT BANK-TOP	U	U	S	S	S	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	BL	BL	IG	IG	IG	IG	IG	IG
G CHANNEL VEGETATION TYPES											
NONE	NV	NV	NV							NV	NV
Liverworts/mosses/lichens											
Emergent broad-leaved herbs				/							/
Emergent reeds/sedges/rushes				/	/	/	/	/	/		/
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved				/							/
Submerged linear-leaved											
Submerged fine-leaved											
Filamentous algae											

L CHANNEL DIMENSIONS					
	CHANNEL		RIGHT BANK		
LEFT BANK					
Banktop height(m)	4.0	Bankfull width (m)	58.0	Banktop height (m)	3.5
Banktop = Bankfull?	N	Water width (m)	37.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated _ unconsolidated _ unknown X
 Location of measurement is: riffle _ run or glide X other _

M ARTIFICIAL FEATURES						
None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT			
None	X	Dredging	Mowing
		Enhancement	Other?

O FEATURES OF SPECIAL INTEREST				
None	X			
Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank	
Braided/side channels	Natural open water	Carr	Floating mat	
Debris dam	Water meadow	Marsh	Other	
Leafy debris	Fen	Flush		

P CHOKED CHANNEL?	
Is 33% or more of the channel choked with vegetation?	NO X YES

Q NOTABLE NUISANCE PLANTS (Other: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = more)	
None	Giant hogweed X Himalayan balsam E Japanese knotweed _ Other? / /

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)	
Major impacts:	
Land Management:	
Animals:	SAND MARTIN BUZZARD
Other significant observations:	Historical re-routing & resectioning but sew recovering.

S ALDERS	
Alders? None	Present X Extensive _
Diseased alders? None	Present X Extensive _

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	50	Slope (m/km)	1.7	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	67.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

C FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12038

Grid reference: SO 268146 River: USK 75
 Date: 3/09 /1997 Time: 10.15 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input checked="" type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical	<input type="checkbox"/>
Terraced valley?	No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>		

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	2	Unvegetated point bar	0
Pools	0	Vegetated point bar	2

Outlet created by IFE, Wareham on 29/03/1998

H LAND USE WITHIN 50m OF BANKTOP

Woodland/mixed woodland (BL)	L	R	Rough pasture (RP)	L	R
Intensive plantation (CP)			Improved/semi-improved grass (IG)	E	/
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Open water (OW)	/	/	Open water (OW)		
Suburban/urban development (SU)	/	/	Suburban/urban development (SU)		/
Rock and scree (RS)			Rock and scree (RS)		

I BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/cut	/	E	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
Top >45	/	/	Reinforced - top only		
Artificial	E	/	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	/	
			Embanked		
			Set-back embankments	/	

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

Channel Feature	None	Present E	Channel Feature	None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater	X	
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)	X		Exposed boulders	X	
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Slide(s)		X	Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reach(es)	X		Discrete silt deposit(s)		

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	EM	PC	BM
Bank feature(s)	VS	VS	VS	VP	VP	VP	PB	PB	NO	EC

CHANNEL										
Channel substrate	CO	CO	P	CO	CO	P	P	NV	CO	NV
Flow type	SM	SM	SM	SM	RP	RP	RP	UV	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK										
Material	EA	EA	NV	EA	EA	EA	EA	EA	EA	NV
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	SC	SC	EC	SC	VP	VP	VP	VP

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	SC	IG	IG	IG	IG	IG	RP	IG	IG	IG
LEFT BANK-TOP	S	S	U	S	S	S	S	U	S	U
LEFT BANK FACE	S	S	B	S	S	S	S	S	S	B
RIGHT BANK FACE	S	C	C	S	B	S	S	U	B	S
RIGHT BANK TOP	C	C	S	S	S	U	U	S	S	
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	TH	TH	TH	IG	IG	IG	BL

G CHANNEL VEGETATION TYPES

NONE						NV
Liverworts/mosses/lichens						/
Emergent broad-leaved herbs	/	/	/	/		/
Emergent reeds/sedges/rushes	/	/	/	/	/	/
Floating-leaved (rooted)						
Free-floating						
Amphibious						
Submerged broad-leaved						
Submerged linear-leaved						
Submerged fine-leaved						
Filamentous algae	/	/	/	/	/	/

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	Bankfull width (m)	Banktop height (m)
0.75	65.0	3.0
Banktop = Bankfull?	Water width (m)	Banktop = Bankfull?
Y	23.0	N
Embankment height (m)	Water depth (m)	Embankment height (m)
0.0	0.75	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated Unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None	X			
Waterfalls >5m high		Artificial open water		Bog
Braided/side channels		Natural open water		Carr
Debris dam		Water meadow		Marsh
Leafy debris		Fen		Flush
				Fringing reed-bank
				Floating mat
				Other

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = brambles, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: TIPPING
 Land Management:
 Animals: SAND MARTIN
 Other significant observations: Embankment made of building waste.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	51	Slope (m/km)	1.1	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	66.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12039

Grid reference: SO 260150 River: USK 77

Date: 4/12 /1997 Time: 9.40 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input checked="" type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	3	Unvegetated point bar	1
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

LEFT BANK

Material	RR	RR	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RI	RI	NO	NO	NO	EM	EM	EM	EM	NO
Bank feature(s)	SC	NO	PB	PB	VP	NO	NO	NO	NO	NO

CHANNEL

Channel substrate	NV	NV	CO	CO	CO	CO	RO	CO	NV	NV
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	RO	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	RS	RS
Bank feature(s)	VS	VS	SC	SC	SC	SB	VS	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	U	U	U	U	U	S	S	U	U	U
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	U	U	U	U	U	S	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	BL	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

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

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Inudleaf/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)		
Fall herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		/
Vertical + toe	/	/	Reinforced - whole bank		
steep >45	/	/	Reinforced - top only		
sculpte			Reinforced - toe only	E	
composite			Artificial two-stage		
			Poached		
			Embanked	E	
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (>33%)
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)			Exposed boulders		X
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Glide(s)		X	Unvegetated side bar(s)		X
Pool(s)	X		Vegetated side bar(s)		X
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

L CHANNEL DIMENSIONS

LEFT BANK		CHANNEL		RIGHT BANK	
Banktop height(m)	1.5	Bankfull width (m)	35.0	Banktop height (m)	2.0
Banktop = Bankfull?	Y	Water width (m)	27.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	I	
Stakes				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	<input checked="" type="checkbox"/>	Dredging	<input type="checkbox"/>	Mowing	<input type="checkbox"/>	Weed-cutting	<input type="checkbox"/>
		Enhancement	<input type="checkbox"/>	Other?	<input type="checkbox"/>		

O FEATURES OF SPECIAL INTEREST

None	<input checked="" type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Bog	<input type="checkbox"/>	Fringing reed-bank	<input type="checkbox"/>
Waterfalls >5m high		Natural open water	<input type="checkbox"/>	Carr	<input type="checkbox"/>	Floating mat	<input type="checkbox"/>
Braided/side channels		Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>	Other	<input type="checkbox"/>
Debris dam		Fen	<input type="checkbox"/>	Flush	<input type="checkbox"/>		

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + others)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: TIPPING

Land Management:

Animals:

Other significant observations: Large fast river with farm on L.B. Extensive dumping of boulders waste and earth on L.B.

S ALDERS

Alders? None Present Extensive Discarded alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12040

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 53 Slope (m/km) 1.1 Flow category (1-10) 8
 BGS Solid geology code 75 BGS Drift geology code 5 Planform category 2
 Distance from source(km) 65.5 Significant tributary? N Navigation? N
 Height of source(m) 500 Water Quality class 1.5 RHS Segment type 2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12040

Grid reference: SO 257158 River: USK 79

Date: 4/12 /1997 Time: 10.30 Surveyor: DC Accred. code: HD4

Adverse conditions? No X Yes -
 Bed of river visible? No - Part. X Entire. -
 Duplicate photographs: general character? No - Yes X
 Surveyed from: Left X Right - Channel -
 SERCON survey in addition? No - Yes Y

C PREDOMINANT VALLEY FORM

shallow vee - concave/bowl
 deep vee X symmetrical
 gorge - asymmetrical

Terraced valley? No X Yes -

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 0 Unvegetated point bar 0
 Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 29/03/1998

ITE NO. 12040 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12040

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Woodland/mixed woodland (BL)	/		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Grub (SC)			Open water (OW)		
Wetland herbs (TH)			Suburban/urban development (SU)	/	
			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	/	E	Resectioned		
Vertical + toe	/		Reinforced - whole bank		
Deep >45	E		Reinforced - top only		
Gentle			Reinforced - toe only	/	
Composite			Artificial two-stage		
			Poached	/	
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffle(s)	X	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Slide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12040

Spot check 1 is at: upstream end - downstream end X

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	RI	NO	NO
Bank feature(s)	SC	SC	EC	SC	SC	EC	SC	EC	EC	EC
CHANNEL										
Channel substrate	NV	NV	CO	CO	NV	NV	NV	CO	CO	CO
Flow type	SM	RP	RP	SM	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
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	SC	EC	SC	EC	SC	EC	EC	EC	EC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

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

G CHANNEL VEGETATION TYPES

NONE				/	/	/			/
Liverworts/mosses/lichens									/
Emergent broad-leaved herbs				/				/	/
Emergent reeds/hedges/rushes	/	/	/	/					/
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved				/				/	/
Submerged linear-leaved								/	/
Submerged fine-leaved									
Filamentous algae									

1997 RIVER HABITAT SURVEY page 4 of 4 12040

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m) 3.2	Bankfull width (m) 40.0	Banktop height (m) 3.2
Banktop = Bankfull? Y	Water width (m) 36.0	Banktop = Bankfull? Y
Embanked height (m) 0.0	Water depth (m) 0.3	Embanked height (m) 0.0

If trathline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated - unconsolidated X unknown -

Location of measurement is: riffle - run or glide X other -

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls	1	
Culverts				Fords		
Bridges				Deflectors		3
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None - Dredging - Mowing - Weed-cutting -
 Enhancement X Other? -

O FEATURES OF SPECIAL INTEREST

None				
Waterfalls >5m high	-	Artificial open water	-	Bog - Fringing reed-bank -
Braided/side channels	-	Natural open water	-	Carr - Floating mat -
Debris dam	-	Water meadow	-	Marsh - Other -
Leafy debris	-	Fen	-	Flush X

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None X Giant bogweed - Himalayan balsam - Japanese knotweed - Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: FISHERIES MANAGEMENT

Land Management:
 Animals:
 Other significant observations: Concrete fishing platform acting like a deflector.

S ALDERS

Alders? None - Present X Extensive - Diseased alders? None X Present - Extensive -

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

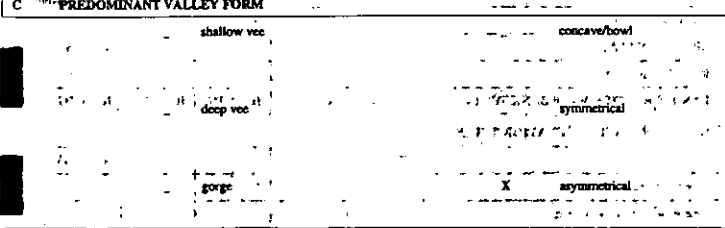
Altitude(m) 53 Slope (m/km) 1.1 Flow category (1-10) B
 BGS Solid geology code 75 BGS Drift geology code 5 Planform category 2
 Distance from source(km) 64.5 Significant tributary? N Navigation? N
 Height of source(m) 500 Water Quality class 1.5 RHS Segment type 1

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed.

Reference site number: 12041

Grid reference: SO 249162 River: USK #1
 Date: 4/11/1997 Time: 11.40 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes



Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 2 Unvegetated point bar 1
 Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R	L	R
roadleaf/mixed woodland (BL)	E	/	Rough pasture (RP)	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E
Orchard (OR)			Titled land (TL)	
moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)	
rub (SC)			Open water (OW)	
tall herbs (TH)			Suburban/urban development (SU)	
			Rock and scree (RS)	

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
Deep >45	E	/	Reinforced - top only		
gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	-	X	Exposed boulders	-	X
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	X	-	Unvegetated side bar(s)	-	X
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SC	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	NV	NV	BO	NV	NV	NV	BO	BO	NV	NV
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	RO	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	SC	NO	SB	PB	PB	PB EC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	SC	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP	S	C	C	C	C	C	C	C	C	C
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	U	U	U	U	U	S	S	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

	NV	NV							NV	NV
NONE										
Liverworts/mosses/lichens			/	/	/	/	/	/		/
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes			/		/	/	/	/		/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved					/					/
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

	LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	6.0	Bankfull width (m) 50.0	Banktop height (m) 3.0
Banktop = Bankfull?	N	Water width (m) 33.0	Banktop = Bankfull? Y
Embanked height (m)	0.0	Water depth (m) *	Embanked height (m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Forts		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	-	Artificial open water	-	Bog	-	Fringing reed-bank	-
Braided/side channels	-	Natural open water	-	Carr	-	Floating mat	-
Debris dam	-	Water meadow	-	Marsh	-	Other	-
Leafy debris	-	Fen	-	Flush	-		-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: LETTER
 Land Management:
 Animals: HERON
 Other significant observations:

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	55	Slope (m/km)	1.1	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Platform category	2
Distance from source(km)	63.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12042

Grid reference: SO 241160 River: USK 83

Date: 4/12 /1997 Time: 13.45 Surveyor: DC Accred. code: ID4

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee		concave/bowl	
deep vee		symmetrical	
gorge		asymmetrical	<input checked="" type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	0
Pools	0	Vegetated point bar	1

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	/	Resectioned		
Vertical + toe	/		Reinforced - whole bank	/	/
Steep >45		E	Reinforced - top only	/	/
Gentle			Reinforced - toe only	/	/
Composite			Artificial two-stage		
			Poached		/
			Embanked	/	/
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

Waterfall(s)	None Present E	Marginal deadwater	None Present E (>33%)
Cascade(s)	X - -	Exposed bedrock	X - -
Rapid(s)	X - -	Exposed boulders	- X -
Riffle(s)	- X -	Unvegetated mid-channel bar(s)	X - -
Run(s)	- - X	Vegetated mid-channel bar(s)	X - -
Bank(s)	X - -	Mature island(s)	X - -
Slide(s)	X - -	Unvegetated side bar(s)	X - -
Pool(s)	X - -	Vegetated side bar(s)	- X -
Ponded reach(es)	X - -	Discrete silt deposit(s)	X - -
		Discrete sand deposit(s)	X - -

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	CO	EA	EA	EA	EA
Bank modification(s)	RI	NO	NO	NO	RI	RI	EM	EM	EM	EM
Bank feature(s)	SC	SC	SC	SC	SC	NO	EC	EC	SC	EC

CHANNEL

Channel substrate	CO	CO	CO	SI	BO	BO	BO	NV	NV	BO
Flow type	RP	RP	RP	RP	RP	UW	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	RO	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	RI	NO	NO	NO	NO	NO
Bank feature(s)	PB	SC	SC	EC	EC	NO	SC	SC	VS	VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE

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

G CHANNEL VEGETATION TYPES

NONE			/			/				
Liverworts/mosses/lichens										
Emergent broad-leaved herbs	/	/		/		/		/	/	/
Emergent reeds/hedges/rushes				/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved		/	/						/	/
Submerged linear-leaved		/							/	/
Submerged fine-leaved										
Filamentous algae	/									

I CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	2.8 Bankfull width (m)	44.0 Banktop height (m)
Banktop = Bankfull? Y	Water width (m)	36.0 Banktop = Bankfull? N
Embanked height (m)	0.0 Water depth (m)	1.0 Embanked height (m)
If trashing lower than break in slope, indicate: height above water(m) = 0.0		
Bed material at site is: consolidated <input type="checkbox"/> unconsolidated <input type="checkbox"/> Unknown <input type="checkbox"/>		
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/>		

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls		
Culverts				Fords		
Bridges	1			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None	Artificial open water	Bog	Fringing reed-bank
Waterfalls >5m high	Natural open water	Carri	Floating mat
Braided/side channels	Water meadow	Marsh	Other
Debris dam	Fen	Flash	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: LITTER ROAD

Land Management:

Animals:

Other significant observations: Evidence of beaver activity.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	55	Slope (m/km)	1.1	Flow category (1-10)	8
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	62.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12043

Grid reference: SO 241154 River: USK 85

Date: 4/12 /1997 Time: 15.40 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	0	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	RI	RI	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	RP	RP	RP	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	MI	MI	MI	MI	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	SP	SP	SP	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RI	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	B	B	B	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	SC	SC	SC	BL	BL	BL	BL	BL

G CHANNEL VEGETATION TYPES

NONE	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Liverworts/mosses/lichees										
Emergent broad-leaved herbs										
Emergent reeds/hedges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

II LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		E
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		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (>33%)
Cascade(s)		X	Exposed bedrock	X	
Rapid(s)	X		Exposed boulders	X	
Riffle(s)	X		Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)		X
Glide(s)		X	Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reach(es)	X		Discrete silt deposit(s)		
			Discrete sand deposit(s)		

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	Bankfull width(m)	Banktop height(m)
1.0	46.0	12.0
Banktop = Bankfull?	Water width(m)	Banktop = Bankfull?
Y	35.0	N
Embanked height(m)	Water depth(m)	Embanked height(m)
0.0	*	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	I	
Sluices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	Dredging	Mowing	Weed-cutting
X			
	Enhancement	Other?	

O FEATURES OF SPECIAL INTEREST

None	X		
Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank
Braided/side channels	Natural open water	Carr	Floating mat
Debris dam	Water meadow	Marsh	Other
Leafy debris	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = brambles, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other? P2 P11

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
Land Management:
Animals:
Other significant observations: Large river with Mt. much Giant Hogweed on RB.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	57	Slope (m/km)	1.1	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	61.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12044

Grid reference: SO 233159 River: USK 87

Date: 5/12 /1997 Time: 10.35 Surveyor: DC Accred. code: HD4

Adverse conditions? No Yes

Bed of river visible? No Part Entire

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	1
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	/	Resectioned		/
Vertical + toe		/	Reinforced - whole bank		
Steep >45	/	E	Reinforced - top only		
Benile			Reinforced - toe only		/
Composite			Artificial two-stage		
			Poached	/	/
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E (>33%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Riffle(s)		<input checked="" type="checkbox"/>
Run(s)		<input checked="" type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ponded reach(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		Discrete silt deposit(s)
		Discrete sand deposit(s)

Spot check 1 is at: upstream end downstream end

E. PHYSICAL ATTRIBUTES

	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)	NO	PC	NO	PC	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	NO	SC	NO	PB	EC	SC	SC	EC	EC

CHANNEL

Channel substrate	PE	CO	NV	BO	CO	CO	NV	NV	NV	PE
Flow type	RP	RP	UW	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

Material	EA	EA	CO	CO	EA	EA	EA	EA	EA	EA
Bank modification(s)	PC	NO	RI	NO	RS	RS	NO	NO	NO	NO
Bank feature(s)	NO	SC	NO	SB	SC	SB	SC	EC	SC	SC

F. BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	B	B	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	IG	IG	SC	BL	SC	SC	SC	SC	SC

G. CHANNEL VEGETATION TYPES

NONE									NV		NV	NV
Liverworts/mosses/lichens		/	/						/		/	/
Emergent broad-leaved herbs					/							/
Emergent reeds/hedges/rushes	/	/	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)												
Free-floating												
Amphibious												
Submerged broad-leaved	/		/		/		/		/		/	/
Submerged linear-leaved	/			/								/
Submerged fine-leaved												
Filamentous algae												

I. CHANNEL DIMENSIONS

LEFT BANK		CHANNEL		RIGHT BANK	
Banktop height (m)	3.5	Bankfull width (m)	50.0	Banktop height (m)	3.2
Banktop = Bankfull?	N	Water width (m)	38.0	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M. ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N. EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O. FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	<input type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Bog	<input type="checkbox"/>	Fringing reed-bank	<input type="checkbox"/>
Braided/side channels	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Carr	<input type="checkbox"/>	Floating mat	<input type="checkbox"/>
Debris dam	<input type="checkbox"/>	Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>	Other	<input type="checkbox"/>
Leafy debris	<input type="checkbox"/>	Fen	<input type="checkbox"/>	Flush	<input type="checkbox"/>		<input type="checkbox"/>

P. CHOKED CHANNEL

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

Q. NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = moss)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R. OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals:

Other significant observations: R/B possible recovery from old industrial working (smelting?). Also R/B private fishing area with built track.

S. ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12045

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	57	Slope (m/km)	1.1	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	60.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12045

Grid reference: SO 229169 River: USK 89

Date: 13/11 /1997 Time: 10.40 Surveyor: JP Accred. code: MN41

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee		concave/bowl
deep vee	X	symmetrical
gorge		asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

SITE NO. 12045 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12045

II LAND USE WITHIN 50m OF BANKTOP

Imagined/mixed woodland (BL)					
Intensive plantation (CP)					
Orchard (OR)					
Moorland/heath (MH)					
Crab (SC)	/				
Tall herbs (TH)	/	E			

I BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	/	/	Resectioned	/	/
Vertical + toe	/	E	Reinforced - whole bank	/	/
Slope >45		/	Reinforced - top only		
Composite			Reinforced - toe only		/
			Artificial two-stage		
			Poached	/	/
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (>33%)
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)	X		Exposed boulders	X	
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)		X	Mature island(s)	X	
Glide(s)		X	Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)		X
Ponded reaches	X		Discrete silt deposit(s)		X
			Discrete sand deposit(s)		X

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12045

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	BR	RR	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	RI	RI	NK	RS	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	SC	NO	SC	NO

CHANNEL

Channel substrate	NV	P	CO	CO	NV	NV	NV	NV	CO	CO
Flow type	RP	RP	UW	SM	SM	SM	SM	SM	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RI	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	SC	VS	VS	VS	EC	SC	SC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	TH	RP	IG	IG	IG	IG
LEFT BANK-TOP	U	U	U	U	S	S	S	U	U	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	U	S	S	S	S	S	S	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	IG	RP	RP

G CHANNEL VEGETATION TYPES

NONE	NV	NV			NV	NV	NV	NV	NV	NV
Liverworts/mosses/lichens										
Emergent broad-leaved herbs									/	/
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

1997 RIVER HABITAT SURVEY page 4 of 4 12045

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL		RIGHT BANK		
Banktop height(m)	2.0	Bank/full width (m)	33.0	Banktop height (m)	2.0
Banktop = Bank full?	Y	Water width (m)	23.0	Banktop = Bank full?	Y
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If traseline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls	1	
Culverts				Fords		
Bridges			1	Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	Dredging	Mowing	Wood-cutting
	Enhancement	Other?	X

O FEATURES OF SPECIAL INTEREST

None	Artificial open water	Bog	Fringing reed-bank
Waterfalls >5m high	Natural open water	Carr	Floating mat
Braided/side channels	Water meadow	Marsh	Other
Debris dam			
Leafy debris	X	Fen	Flush

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrum, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impact: LITTER SEWAGE

Land Management:

Animals: CORMORANT

Other significant observations: Old sewage works L/B.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12046

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	59	Slope (m/km)	1.1	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	59.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12046

Grid reference: SO 223176 River: USK 91

Date: 13/11/1997 Time: 12.00 Surveyor: JP Accred. code: MN61

Adverse conditions? No X Yes

Bed of river visible? No Part. Entire

Duplicate photographs: general character? No Yes X

Surveyed from: Left X Right Channel

SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

shallow vee	concave/bowl
deep vee	symmetrical X
gorge	asymmetrical

Terraced valley? No Yes X

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	2	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12046

H LAND USE WITHIN 50m OF BANKTOP

	L	R	L	R
Broadleaf/mixed woodland (BL)	/			E
Coniferous plantation (CP)			E	/
Orchard (OR)				
Moorland/heath (MH)				
Scrub (SC)				
Fall herbs (TH)				/

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut		E	Resectioned	/	
Vertical + toe	/	/	Reinforced - whole bank		
Slope >45		E	Reinforced - top only		
Benile			Reinforced - toe only	/	
Composite			Artificial two-stage		
			Poached	/	
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E	ASSOCIATED FEATURES	
			None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater	X
Cascade(s)	X		Exposed bedrock	X
Rapid(s)	X		Exposed boulders	X
Riffle(s)		X	Unvegetated mid-channel bar(s)	X
Run(s)		X	Vegetated mid-channel bar(s)	X
Boil(s)	X		Nature island(s)	X
Glide(s)		X	Unvegetated side bar(s)	X
Pool(s)	X		Vegetated side bar(s)	X
Ponded reach(es)	X		Discrete silt deposit(s)	X
			Discrete sand deposit(s)	X

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12046

Spot check 1 is at: upstream end - downstream end X

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	NO	NO	NO	NO	NK	NO	NO	NO	RI
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	(EC)	NO

CHANNEL

Channel substrate	NV	NV	NV	NV	NV	CO	CO	CO	CO	CO
Flow type	SM	SM	SM	RP	RP	RP	SM	RP	RP	UW
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)	SC	SC	SC	SC	SC	SC	SC	NO	NO	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)										
	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP										
	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE										
	S	S	C	S	S	S	S	S	S	S
RIGHT BANK FACE										
	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP										
	S	S	S	S	S	U	U	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)										
	RP	RP	RP	RP	RP	IG	IG	BL	BL	BL

G CHANNEL VEGETATION TYPES

NONE	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Liverworts/mosses/lichens										
Emergent broad-leaved herbs									/	/
Emergent reeds/holches/rushes	/							/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved									/	/
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae									/	/

1997 RIVER HABITAT SURVEY page 4 of 4 12046

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height (m)	2.3	Bankfull width (m)	25.0	Banktop height (m)	4.5
Banktop = Bankfull?	N	Water width (m)	20.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If rubbish lower than break in slope, indicate: height above water(m) = 1.0

Bed material at site is: consolidated - unconsolidated X unknown

Location of measurement is: riffle - run or glide X other

M ARTIFICIAL FEATURES

None	Major			Intermediate			Minor		
	Weirs	Shoices	Culverts	Bridges	Revetments	Outfalls	Fords	Deflectors	Other
X									

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging - Mowing - Weed-cutting -

Enhancement - Other? -

O FEATURES OF SPECIAL INTEREST

None					
Waterfalls >5m high		Artificial open water		Bog	Fringing reed-bank
Braided/side channels		Natural open water		Carr	Floating mat
Debris dam		Water meadow		Marsh	Other
Leafy debris	X	Fen		Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = reeds)

None - Giant hogweed X Himalayan balsam X Japanese knotweed - Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals:

Other significant observations: Mallard duck. Sewage works D/S of reach.

S ALDERS

Alders? None - Present X Extensive - Diseased alders? None X Present - Extensive -

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	60	Slope (m/Lm)	1.7	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Platform category	2
Distance from source(km)	58.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12047

Grid reference: SO 214182 River: USK 93

Date: 13/11/1997 Time: 13.00 Surveyor: JP Accred. code: MN61

Adverse conditions? No Yes

Bed of river visible? No Part Entire

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input checked="" type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	2	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Outpost created by IFE, Wareham on 29/03/1998

B LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	E	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank	/	/
Deep >45	/	/	Reinforced - top only		
Stable			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	/	
			Embanked		
			Set-back embankments	/	

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E	Marginal deadwater	
			None	Present E (>33%)
Waterfall(s)	X			X
Cascade(s)	X		Exposed bedrock	X
Rapid(s)	X		Exposed boulders	X
Riffle(s)		X	Unvegetated mid-channel bar(s)	X
Rune(s)		X	Vegetated mid-channel bar(s)	X
Boil(s)	X		Mature island(s)	X
Glidet(s)		X	Unvegetated side bar(s)	X
Pool(s)	X		Vegetated side bar(s)	X
Ponded reach(es)		X	Discrete silt deposit(s)	X
			Discrete sand deposit(s)	X

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	RR	RR	EA	EA	RR
Bank modification(s)	NO	NO	NO	NO	NO	RI	RI	NO	NO	RI
Bank feature(s)	NO	SC	NO	NO	NO	VS	NO	SC	NO	NO
CHANNEL										
Channel substrate	NV	CO	CO	CO	CO	CO	CO	NV	NV	CO
Flow type	UW	RP	RP	UW	UW	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	MI	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

	EA	EA	EA	EA	CO	EA	BR	EA	EA	EA
Material	EA	EA	EA	EA	CO	EA	BR	EA	EA	EA
Bank modification(s)	NK	NO	NO	NO	NO	NO	RI	NO	NO	NO
Bank feature(s)	SC	NO	NO	NO	NO	SB	NO	EC	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	RP	RP	IG	IG	IG	IG	IG	IG	IG	SU
LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	IG	IG	IG	IG	IG	IG	IG	SU
LEFT BANK-TOP	S	S	S	U	U	U	U	U	U	B
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	B
RIGHT BANK FACE	S	S	S	S	S	S	B	B	S	S
RIGHT BANK-TOP	S	U	U	S	U	S	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SC	IG	IG	IG	IG	RP	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

	NV	NV	NV							NV	NV
NONE	NV	NV	NV							NV	NV
Liverworts/mosses/lichens			/		/						/
Emergent broad-leaved herbs					/						/
Emergent reeds/edges/rushes	/	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved					/						/
Submerged linear-leaved											
Submerged fine-leaved						/	/	/		E	/
Filamentous algae					/	/	/	/			/

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	Bankfull width (m) 26.0	Banktop height (m) 1.4
Banktop = Bankfull? N	Water width (m) 20.0	Banktop = Bankfull? N
Embanked height (m) 0.0	Water depth (m) 0.5	Embanked height (m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.5

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs	1			Revetments		
Stuices				Outfalls	6	
Culverts				Fords		
Bridges	1			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high Artificial open water Bog Fringing reed-bank

Braided/side channels Natural open water Carr Floating mat

Debris dam Water meadow Marsh Other

Leafy debris Fen Flush

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = brambles, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: LITTER ROAD

Land Management: PARKLAND

Animals:

Other significant observations: Caneen run. Gas pipeline (under channel). Small water works/pump station. Arched bridge + weir.

S ALDERS

Alders? None Present Extensive Discarded alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	63	Slope (m/km)	2.22	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	57.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12048

Grid reference: SO 207188 River: USK 95

Date: 13/11 /1997 Time: 15.30 Surveyor: JP Accred. code: MN61

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl

deep vee symmetrical

gorge asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 0 Unvegetated point bar 0

Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 29/03/1998

H LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

Nature/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut		E	Resectioned		
Vertical + toe	E	E	Reinforced - whole bank		
Steep >45	/		Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	-	X
Riffle(s)	X	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	-	X
			Discrete sand deposit(s)	-	X

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

LEFT BANK

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	SC	NO	NO	NO	NO	NO	NO	NO	*

CHANNEL

Channel substrate	SA	CO	CO	CO	NV	CO	NV	CO	NV	*
Flow type	SM	RP	RP	RP	RP	RP	RP	RP	RP	*
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	*
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	*

RIGHT BANK

Material	EA	EA	CO	EA	EA	EA	EA	EA	EA	*
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	*
Bank feature(s)	EC	EC	EC	EC	EC	EC	EC	NO	EC	*

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	IG	TL	TL	TL	TL	TL	BL	IG	IG	*
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	U	U	U	U	S	S	S	S	U	*
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	*
RIGHT BANK FACE	S	B	B	B	B	B	B	U	B	*
RIGHT BANK-TOP	U	S	U	U	U	U	U	U	U	*
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	*

G CHANNEL VEGETATION TYPES

	NV	NV	NV	/	/	/	NV	/	*	NV
NONE										
Liverworts/mosses/lichens										*
Emergent broad-leaved herbs										*
Emergent reeds/sedges/rushes	/									/
Floating-leaved (rooted)										*
Free-floating										*
Amphibious										*
Submerged broad-leaved										*
Submerged linear-leaved										*
Submerged fine-leaved										*
Filamentous algae								/	*	/

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	3.1	Bankfull width (m)	27.0	Banktop height (m)	0.6
Banktop = Bankfull?	N	Water width (m)	24.0	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 2.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Revetments	Major	Intermediate	Minor
Weirs							
Sloices				Outfalls	I		
Culverts				Fords			
Bridges				Deflectors			
				Other			

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None					
Waterfalls >5m high	-	Artificial open water	-	Bog	-
Braided/side channels	-	Natural open water	-	Carr	-
Debris dam	-	Water meadow	-	Marsh	-
Leafy debris	X	Fen	-	Flush	-
				Fringing reed-bank	-
				Floating mat	-
				Other	-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
Land Management:
Animals:
Other significant observations: Geese & 100+ mallards maybe shooting area. Local says that river suffers from abstraction US of reach in summer.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	65	Slope (m/km)	2.22	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Platform category	2
Distance from source(km)	56.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

C FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12049

Grid reference: SO 202194 River: USK 97

Date: 14/11 /1997 Time: 10.50 Surveyor: JP Accred. code: MN61

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl

deep vee symmetrical

gorge asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 1 Unvegetated point bar 1

Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 29/03/1998

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Woodland/mixed woodland (BL)	/	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	/
Orchard (OR)			Tilled land (TL)		/
Moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Sub (SC)		E	Open water (OW)		
Herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	E	/	Re-sectioned	E	
Vertical + toe	/	/	Reinforced - whole bank		/
Top >45	/	/	Reinforced - top only		/
Bank profile			Reinforced - toe only		E
Composite			Artificial two-stage		
			Poached	/	/
			Embanked	/	/
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E(>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	-	X	Exposed boulders	-	X
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	-	X	Mature island(s)	X	-
Glide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	RS	RS	EM	NO	EM	EM
Bank feature(s)	SC	SC	NO	NO	EC	EC	NO	EC	NO	NO

	NV	NV	CO	CO	CO	CO	NV	CO	CO	BO
CHANNEL										
Channel substrate	NV	NV	CO	CO	CO	CO	NV	CO	CO	BO
Flow type	RP	RP	SM	SM	SM	SM	SM	SM	RP	UW
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	RO

	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RJ	RS	RJ	NO	NO	NO	NO	NO	RJ	RJ
Bank feature(s)	NO	NO	NO	EC	NO	PB	PB	PB	EC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	IG	IG	IG	IG	IG	IG	IG	IG	IG
LAND USE WITHIN 5m OF BANKTOP (L)									
LEFT BANK-TOP	U	U	U	U	U	U	U	U	U
LEFT BANK FACE	S	S	S	S	S	S	C	S	S
RIGHT BANK FACE	U	S	S	S	S	S	S	S	B
RIGHT BANK-TOP	S	U	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)									
	TL	TL	BL	BL	BL	BL	SC	SC	BL

G CHANNEL VEGETATION TYPES

NONE	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Liverworts/mosses/lichens										E /
Emergent broad-leaved herbs										
Emergent reeds/hedges/rushes	/	/						/		/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK	
Banktop height(m)	5.0	Bankfull width (m) 27.0	Banktop height (m) 3.0
Banktop = Bankfull?	N	Water width (m) 20.0	Banktop = Bankfull? N
Embanked height (m)	0.15	Water depth (m) 0.3	Embanked height (m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 2.25

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None					
Waterfalls >5m high	-	Artificial open water	-	Bog	-
Braided/side channels	-	Natural open water	-	Carr	-
Debris dam	-	Water meadow	-	Marsh	-
Leafy debris	X	Fen	-	Flush	-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other? P3

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: FISHERIES MANAGEMENT

Land Management: PARKLAND

Animals:

Other significant observations: Mallards & Black Swan, Possible shooting area.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12050

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 67 Slope (m/km) 2.22 Flow category (1-10) 7
 BGS Solid geology code 75 BGS Drift geology code 5 Platform category 2
 Distance from source(km) 55.5 Significant tributary? N Navigation? N
 Height of source(m) 500 Water Quality class 1.5 RHS Segment type 2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12050

Grid reference: SO 193199 River: USK 99
 Date: 13/11 /1997 Time: 15.30 Surveyor: ZR Accred. code: HD1
 Adverse conditions? No Yes
 Bed of river visible? No Part Entire
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 deep vee X symmetrical
 gorge asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 1 Unvegetated point bar 0
 Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 29/03/1998

SITE NO. 12050 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12050

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
roadleaf/mixed 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)		
rub (SC)			Open water (OW)		
Tall herbs (TH)			Suburban/urban development (SU)	E	
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/	/	Resectioned		
Vertical + toe	E		Reinforced - whole bank		
Deep >45	E	E	Reinforced - top only		
Single			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)	X		Exposed boulders		X
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Slide(s)	X		Unvegetated side bar(s)		X
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)		X

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12050

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	EC	NO	SC	NO	NO	SB	SC	NO	NO
CHANNEL										
Channel substrate	BO	CO	CO	BO	BO	BO	CO	BO	BO	BO
Flow type	RP	RP	RP	RP	UW	BW	BW	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	RO	RO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	CO	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	EC	EC	NO	SC	SC	EC	SC	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	B	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	TL	TL	TL	TL

G CHANNEL VEGETATION TYPES

	/	/	/	/	/	/	/	/	/	/
NONE										
Liverworts/mosses/lichens					/	/	/	/	/	/
Emergent broad-leaved herbs										/
Emergent reeds/hedges/rushes				/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious				/	/	/	/	/	/	/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

1997 RIVER HABITAT SURVEY page 4 of 4 12050

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m) 2.0	Bankfull width(m) 30.9	Banktop height(m) 3.5
Banktop = Bankfull? Y	Water width(m) 18.0	Banktop = Bankfull? *
Embanked height(m) 0.0	Water depth(m) 0.25	Embanked height(m) 0.0

If trathline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated Unknown
 Location of measurement is: riffle run or glide other X

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X Weirs				Revetments		
Shoices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None X
 Waterfalls >5m high Artificial open water Bog Fringing reed-bank
 Braided/hide channels Natural open water Carr Floating mat
 Debris dam Water meadow Marsh Other
 Leafy debris Fen Flush

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None X Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management: PARKLAND
 Animals: DIPPER GREY WAGTAIL
 Other significant observations: River runs through Glanusk park. Major bridge US.

S ALDERS

Alders? None Present X Extensive Diseased alders? None X Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12051

A BACKGROUND SIAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	70	Slope (m/km)	2.22	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Platform category	2
Distance from source(km)	54.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	1

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12051

Grid reference: SO 184197 River: USK 101

Date: 5/12/1997 Time: 12.20 Surveyor: CS Accred. code: HD2

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input checked="" type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	0	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

ITE NO. 12051 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12051

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
wooded/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Lowland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Scrub (SC)			Open water (OW)		
All herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
Deep >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

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)	X		Exposed bedrock		X
Rapids		X	Exposed boulders		X
Riffle(s)	X		Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Glidet(s)		X	Unvegetated side bar(s)		X
Pool(s)	X		Vegetated side bar(s)		X
Ponded reaches	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)		X

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12051

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	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	BE	BE	BE	NV	BE	CO	P	BE	CO	NV
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	BE	EA	EA	EA	EA	CO	BE	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	SB	VS	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	C	C	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)										
	IG	BL	BL	BL	BL	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

		NV	NV	NV					NV	
NONE										
Liverworts/mosses/lichens	/				/	/	/	/	/	E
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										/

1997 RIVER HABITAT SURVEY page 4 of 4 12051

L CHANNEL DIMENSIONS

	LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	3.75	Bankfull width(m)	33.5
Banktop = Bankfull ?	Y	Water width(m)	21.5
Embanked height(m)	0.0	Water depth(m)	0.6
		Embanked height(m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 2.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	<input type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Bog	<input type="checkbox"/>	Fringing reed-bank	<input type="checkbox"/>
Braided/side channels	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Carr	<input type="checkbox"/>	Floating mat	<input type="checkbox"/>
Debris dam	<input type="checkbox"/>	Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>	Other	<input type="checkbox"/>
Leafy debris	X	Fen	<input type="checkbox"/>	Flush	<input type="checkbox"/>		<input type="checkbox"/>

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None X Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals:

Other significant observations: River running through steep sided dominantly bedrock valley. Pheasant shooting/feeding.

S ALDERS

Alders? None Present X Extensive Diseased alders? None X Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12052

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	75	Slope (m/km)	5	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	53.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12052

Grid reference: SO 174198 River: USK 103

Date: 5/12 /1997 Time: 11.20 Surveyor: ZR Accred. code: HD1

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee		concave/bowl
deep vee		symmetrical
gorge	<input checked="" type="checkbox"/>	asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	0	Unvegetated point bar	1
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

TE NO. 12052 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12052

H LAND USE WITHIN 50m OF BANKTOP

	L	R	L	R
Woodleaf/mixed woodland (BL)	/			
Intensive plantation (CP)				
Orchard (OR)				
Moorland/heath (MH)				
Shrub (SC)				
All herbs (TH)				

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified	/				
Vertical/undercut	/		Re-sectioned		
Vertical + toe	/		Reinforced - whole bank		
Slope >45	E	E	Reinforced - top only		
Profile			Reinforced - toe only		
Composite			Artificial two-stage		
			Proached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	<input checked="" type="checkbox"/>		Marginal deadwater		<input checked="" type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>		Exposed bedrock		<input checked="" type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>		Exposed boulders		<input checked="" type="checkbox"/>
Riffles	<input checked="" type="checkbox"/>		Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	
Runs		<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	
Boil(s)	<input checked="" type="checkbox"/>		Mature island(s)	<input checked="" type="checkbox"/>	
Slide(s)		<input checked="" type="checkbox"/>	Unvegetated side bar(s)		<input checked="" type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>		Vegetated side bar(s)	<input checked="" type="checkbox"/>	
Ponded reach(es)	<input checked="" type="checkbox"/>		Discrete silt deposit(s)	<input checked="" type="checkbox"/>	
			Discrete sand deposit(s)		<input checked="" type="checkbox"/>

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12052

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	BO	EA	EA	BE	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SB	SB	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	BO	BE	BE	CO	CO	BO	BO	BE	BE	BE
Flow type	BW	BW	BW	RP	RP	RP	SM	SM	SM	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	RO	NO	NO	NO	NO	NO	NO	NO	RO
RIGHT BANK										
Material	BE	EA	CO	CO	BO	EA	EA	BO	BO	BE
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

	IG	IG	IG	IG	BL	IG	SU	SU	SU	SU
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	BL	IG	SU	SU	SU	SU
LEFT BANK-TOP	S	S	S	S	S	S	B	B	B	B
LEFT BANK FACE	S	S	S	S	S	S	C	C	C	C
RIGHT BANK FACE	S	S	S	S	B	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

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

1997 RIVER HABITAT SURVEY page 4 of 4 12052

I CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	30.0	Bankfull width (m) 41.0
Banktop = Bankfull?	0	Banktop height (m) 4.5
Embanked height (m)	0.0	Water width (m) 21.0
		Banktop = Bankfull? Y
		Water depth (m) 0.6
		Embanked height (m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
<input checked="" type="checkbox"/>	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None <input checked="" type="checkbox"/>	Dredging	Mowing	Weed-cutting
	Enhancement	Other?	

O FEATURES OF SPECIAL INTEREST

None <input checked="" type="checkbox"/>	Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank
	Braided/side channels	Natural open water	Carr	Floating mat
	Debris dam	Water meadow	Marsh	Other
	Leafy debris	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals: KINGFISHER HERON

Other significant observations: Fast flowing. Steep side of valley on L.B. Pheasant shooting on RB.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12053

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Ahead(m)	85	Slope (m/km)	5	Flow category (1-10)
BGS Solid geology code	75	BGS Drift geology code	5	Platform category
Distance from source(km)	52.5	Significant tributary?	N	Navigation?
Height of source(m)	500	Water Quality class	1.5	RHS Segment type

B FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12053

Grid reference: SO 166198 River: USK 105

Date: 5/12 /1997 Time: 10.00 Surveyor: CS Accred. code: HD2

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles: 0 Unvegetated point bar: 0

Pools: 8 Vegetated point bar: 0

Output created by IFE, Wareham on 29/03/1998

SITE NO. 12053 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12053

H LAND USE WITHIN 50m OF BANKTOP

	L	R	L	R
Grass/mixed woodland (BL)	/		Rough pasture (RP)	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E E
Orchard (OR)			Tilled land (TL)	
Moorland/heath (MH)			Weiland (eg bog, marsh, fen)(WL)	
Shrub (SC)	/		Open water (OW)	
Tall herbs (TH)			Suburban/urban development (SU)	
			Rock and scree (RS)	

I BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut			Resectioned		
Vertical + toe	/		Reinforced - whole bank		
Step >45	E	E	Reinforced - top only		/
Side			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E(>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)		X	Exposed bedrock		X
Rapid(s)		X	Exposed boulders		X
Riffle(s)	X		Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)		X
Boil(s)	X		Mature island(s)		X
Glide(s)	X		Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reaches	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)		X

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12053

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	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	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	MI	MI	VB	RO	MI	NO	RO	RO	RO	RO
RIGHT BANK										
Material	BE	BE	BE	BE	EA	BE	CO	EA	BE	
Bank modification(s)	NO	NO	RI	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	C	C	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	SC	SC	IG	IG

G CHANNEL VEGETATION TYPES

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

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L CHANNEL DIMENSIONS

	CHANNEL	RIGHT BANK
Banktop height(m)	2.0	Bank full width (m) 33.0
Banktop = Bank full?	Y	Banktop = Bank full? N
Embanked height (m)	0.0	Water width (m) 22.0
		Water depth (m) 0.5
		Embanked height (m) 0.0

If trassline lower than break in slope, indicate: height above water(m) = 1.5

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		I
Sluices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high Artificial open water Bog Fringing reed-bank

Braided/side channels Natural open water Carr Floating mat

Debris dam Water meadow Marsh Other

Leafy debris Fen Flush

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management: DIPPER GREY WAGTAIL HERON BUZZARD

Animals:

Other significant observations: Fast flowing, steep RB with continuous BL.

S ALDERS

Alders? None Present Extensive Discarded alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with 4 columns: Attribute, Value, Attribute, Value. Includes Altitude (85), Slope (5), Flow category (7), BGS Solid geology code (75), BGS Drift geology code (5), Platform category (2), Distance from source (51.5), Significant tributary (N), Navigation (N), Height of source (500), Water Quality class (1.5), RHS Segment type (2).

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12054
Grid reference: SO 157203 River: USK 107
Date: 4/12 /1997 Time: 15.00 Surveyor: ZR Accred. code: HD1
Adverse conditions? No X Yes
Bed of river visible? No Part. X Entire
Duplicate photographs: general character? No Yes X
Surveyed from: Left Right X Channel X
SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

Table with 2 columns: Feature, Status. Includes shallow vee (), concave/bowl (), deep vee (X), symmetrical (), gorge (), asymmetrical (), Terraced valley? (No X Yes)

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 0 Unvegetated point bar 0
Pools 0 Vegetated point bar 0
Output created by IFE, Warrham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

Table with 6 columns: L, R, L, R. Includes rough pasture (RP), 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 (TH), Suburban/urban development (SU), Rock and scree (RS)

BANK PROFILES

Table with 6 columns: L, R, L, R. Includes natural/unmodified, Vertical/undercut, Vertical + toe, Deep >45, Gentle, Composite, Artificial two-stage, Poached, Embanked, Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with 6 columns: Left, Right, None, Present E (>33%). Includes Shading of channel (X), Overhanging boughs (X), Exposed bankside roots (X), Underwater tree roots (X), Fallen trees (X), Coarse woody debris (X)

K EXTENT OF CHANNEL FEATURES

Table with 6 columns: None, Present E (>33%). Includes Marginal deadwater (X), Exposed bedrock (X), Exposed boulders (X), Unvegetated mid-channel bar(s) (X), Vegetated mid-channel bar(s) (X), Mature island(s) (X), Unvegetated side bar(s) (X), Vegetated side bar(s) (X), Discrete silt deposit(s) (X), Discrete sand deposit(s) (X)

F PHYSICAL ATTRIBUTES

Table with 10 columns (1-10) and 4 rows: LEFT BANK (Material, Bank modification(s), Bank feature(s)), CHANNEL (Channel substrate, Flow type, Channel modification(s), Channel feature(s)), RIGHT BANK (Material, Bank modification(s), Bank feature(s))

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with 11 columns (IG, IC, IG, IG, IG, IG, IG, IG, BL, IG, BL) and 6 rows: LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES

Table with 11 columns (NONE, NY) and 10 rows: NONE, Liverworts/mosses/licheas, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae

L CHANNEL DIMENSIONS

Table with 4 columns: LEFT BANK, CHANNEL, RIGHT BANK. Includes Banktop height (m), Bankfull width (m), Banktop = Bankfull?, Embanked height (m), Water width (m), Water depth (m), Embanked height (m)

M ARTIFICIAL FEATURES

Table with 8 columns: Major, Intermediate, Minor, Major, Intermediate, Minor. Includes Weirs, Shutes, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other

N EVIDENCE OF RECENT MANAGEMENT

Table with 4 columns: Dredging, Mowing, Weed-cutting, Enhancement, Other?

O FEATURES OF SPECIAL INTEREST

Table with 4 columns: Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Fringing reed-bank, Floating mat, Other

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None X Giant hogweed, Himalayan balsam, Japanese knotweed, Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
Land Management:
Animals: DIPPER GREY WAGTAIL.
Other significant observations: Outfall between spot checks 2 & 3. Possibly sewage or waste water due to smell.

S ALDERS

Alders? None Present X Extensive Diseased alders? None X Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12055

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 95 Slope (m/km) 6.7 Flow category (1-10) 7
 BGS Solid geology code 75 BGS Drift geology code 5 Platform category 2
 Distance from source(km) 50.5 Significant tributary? N Navigation? N
 Height of source(m) 500 Water Quality class 1.5 RHS Segment type 2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12055

Grid reference: SO 147204 River: USK 109

Date: 4/12 /1997 Time: 13.30 Surveyor: CS Accred. code: HD2

Adverse conditions? No X Yes -
 Bed of river visible? No Part. X Entire -
 Duplicate photographs: general character? No Yes X
 Surveyed from: Left Right X Channel X
 SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 X deep vee symmetrical
 gorge asymmetrical

Terraced valley? No X Yes -

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 0 Unvegetated point bar 0
 Pools 0 Vegetated point bar 1

Output created by IFE, Wareham on 29/03/1998

1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12055

H LAND USE WITHIN 50m OF BANKTOP

	L	R	L	R
Woodland/mixed woodland (BL)	/	/		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E E
Orchard (OR)			Tilled land (TL)	
Moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)	
Shrub (SC)	/		Open water (OW)	
Wild herbs (TH)			Suburban/urban development (SU)	/
			Rock and scree (RS)	

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/		Reinforced - whole bank		
Deep >45	E	E	Reinforced - top only		/
Benile			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	-	X	Exposed bedrock	-	X
Rapid(s)	-	X	Exposed boulders	-	X
Riffle(s)	X	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Slide(s)	X	-	Unvegetated side bar(s)	-	X
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	-	X

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12055

Spot check 1 is at: upstream end X downstream end -

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	BE	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

	BO	P	NV	CO	BE	BE	BO	BE	BE	BE
Channel substrate										
Flow type	RP	RP	RP	RP	BW	BW	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	NO	NO	NO	RO	RO	NO	NO	RO	NO

RIGHT BANK

	BO	EA	EA	EA	BE	BR	BE	BE	BE	BE
Material										
Bank modification(s)	NO	NO	NO	NO	NO	RI	RI	NO	RI	NO
Bank feature(s)	NO	NO	NO	NO	NO	VP	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	IG	IG	IG	IG	BL	IG	IG	IG	IG	IG
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	U	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	BL	SC	SU	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

NONE										
Liverworts/mosses/lichens	/		/	/	/	/	/	/	/	E
Emergent broad-leaved herbs			/	/			/	/	/	/
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious					/	/	/	/	/	/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

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L CHANNEL DIMENSIONS

	LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	35.0	Bankfull width (m) 35.0	Banktop height (m) 3.5
Banktop = Bankfull?	N	Water width (m) 16.0	Banktop = Bankfull? Y
Embanked height (m)	0.0	Water depth (m) 0.6	Embanked height (m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 1.5
 Bed material at site is: consolidated X unconsolidated - unknown -
 Location of measurement is: riffle - run or glide - other X

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	I	
Steices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging - Mowing - Weed-cutting -
 Enhancement - Other? -

O FEATURES OF SPECIAL INTEREST

None X

Waterfalls >5m high	-	Artificial open water	-	Bog	-	Fringing reed-bank	-
Braided/side channels	-	Natural open water	-	Carr	-	Floating mat	-
Debris dam	-	Water meadow	-	Marsh	-	Other	-
Leafy debris	-	Fen	-	Flush	-		-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = brambles, 6 = more)

None X Giant bogweed - Himalayan balsam - Japanese knotweed - Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land management:
 Animals: KINGFISHER DIPPER GREY WAGTAIL
 Other significant observations: Bedrock river running through a dominantly Deep Vee valley. Old mature island with pooled water where channel once was.

S ALDERS

Alders? None - Present X Extensive - Diseased alders? None X Present - Extensive -

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 100 Slope (m/km) 2.9 Flow category (1-10) 7
 BGS Solid geology code 75 BGS Drift geology code 5 Planform category 2
 Distance from source(km) 49.5 Significant tributary? N Navigation? N
 Height of source(m) 500 Water Quality class 1.5 RHS Segment type 2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12056

Grid reference: SO 139203 River: USK 111
 Date: 4/12 /1997 Time: 12.00 Surveyor: ZR Accred. code: IID1

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 X deep vee symmetrical
 gorge asymmetrical
 Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 0 Unvegetated point bar 0
 Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Radical/mixed woodland (BL)	E	/	Rough pasture (RP)	/	/
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	/	/
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Open water (OW)			Open water (OW)		
Suburban/urban development (SU)	/	/	Suburban/urban development (SU)	/	/
Rock and scree (RS)	/	/	Rock and scree (RS)	/	/

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		
Top >45	E	E	Reinforced - top only		
Toe			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E (>33%)		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	-	X	Exposed bedrock	-	X
Rapid(s)	-	X	Exposed boulders	-	X
Riffle(s)	X	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	-	X
Glide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	-	X

Spot check 1 is at: upstream end downstream end X

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	BE	BE	BE	BE	BE	BE	BE
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	BE	BE	BE	BE	BE	BE	BE	BE
Flow type	RP	SM	SM	SM	RP	BW	RP	RP	RP	BW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	MI	RO	NO	NO	RO	RO	NO	NO	NO	RO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	BE	BE	BE	BE	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	S	S	C	B	B	S	S	S	S	S
LEFT BANK FACE	S	S	C	C	C	C	C	C	C	S
RIGHT BANK FACE	S	S	S	S	S	S	C	C	C	C
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)										
	IG	IG	IG	TH	TH	*	BL	BL	BL	BL
G CHANNEL VEGETATION TYPES										
NONE										
Liverworts/mosses/lichens	/			/	/	/	/	/	/	/
Emergent broad-leaved herbs	/		/	/	/	/	/	/	/	/
Emergent reeds/sedges/rushes	/		/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious	/	/				/				/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

	LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	22.0	Bankfull width (m)	36.5
Banktop = Bankfull ?	*	Water width (m)	18.5
Embanked height (m)	0.0	Water depth (m)	0.55
		Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 2.5
 Bed material at site is: consolidated unconsolidated unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high Artificial open water Bog Fringing reed-bank
 Braided/side channels Natural open water Carr Floating mat
 Debris dam Water meadow Marsh Other
 Leafy debris Fen Flush

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management:
 Animals: DIPPER (GREY WAGTAIL)
 Other significant observations: Virtually untouched. Runs through bedrock. Very steep banks - vertical L/B.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	103	Slope (m/km)	2	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	48.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12057

Grid reference: SO 130202 River: USK 113

Date: 4/12 /1997 Time: 10.10 Surveyor: CS Accred. code: HD2

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	1
Pools	0	Vegetated point bar	0

Output created by IFE, Warrham on 29/03/1998

LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Decid/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)		
Sub (SC)	/	/	Open water (OW)		
Herbs (TH)	/		Suburban/urban development (SU)		/
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified			Artificial/modified		
Technical/undercut	/		Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
Step >45	E	E	Reinforced - top only		
Stable	/		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None			Present E (>33%)		
	None	Present	E	None	Present	E (>33%)
Waterfall(s)	X	-	-	Marginal deadwater	-	X
Cascade(s)	-	X	-	Exposed bedrock	X	-
Rapid(s)	-	X	-	Exposed boulders	X	-
Riffle(s)	-	X	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	-	Mature island(s)	X	-
Glide(s)	-	X	-	Unvegetated side bar(s)	-	X
Pool(s)	X	-	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	-	Discrete silt deposit(s)	-	X
				Discrete sand deposit(s)	-	X

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	PB	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CO	CO	CO	CO	CO	CO	CO	NV	NV	NV
Flow type	RP	RP	UW	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
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	SB	VS	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	IG	IG	IG	IG	IG	IG	IG	IG	TH	TH
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)										
	SU	SU	SU	IG	IG	IG	IG	IG	IG	SC

G CHANNEL VEGETATION TYPES

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

L CHANNEL DIMENSIONS

LEFT BANK		CHANNEL		RIGHT BANK	
Banktop height(m)	2.2	Bankfull width (m)	30.0	Banktop height (m)	15.0
Banktop = Bankfull ?	Y	Water width (m)	20.0	Banktop = Bankfull ?	N
Embanked height (m)	0.0	Water depth (m)	1.0	Embanked height (m)	0.0

If trashing lower than break in slope, indicate: height above water(m) = 1.5

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

	Major			Intermediate			Minor		
	Major	Intermediate	Minor	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs		1		Revetments				1	
Sluices				Outfalls					
Culverts				Fords					
Bridges				Deflectors					
				Other					

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None	-	-	-	-	-
Waterfalls >5m high	-	Artificial open water	-	Bog	-
Braided/side channels	-	Natural open water	-	Carr	-
Debris dam	-	Water meadow	-	Marsh	-
Leafy debris	X	Fen	-	Flush	-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = more)

None Giant hogweed Himalayan balsam Japanese knotweed Other? P7

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals:

Other significant observations: Old mature island with some terracing holds pooled water. Probably siltng up.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12058

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	103	Slope (m/km)	2	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Platform category	2
Distance from source(km)	47.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12058

Grid reference: SO 127210 River: USK 115

Date: 4/12 /1997 Time: 9.25 Surveyor: ZR Accred. code: HD1

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	0	Unvegetated point bar	1
Pools	0	Vegetated point bar	1

Output created by IFE, Wareham on 29/03/1998

1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12058

II LAND USE WITHIN 50m OF BANKTOP

Woodland/mixed woodland (BL)	L	R	Rough pasture (RP)	L	R
Coniferous plantation (CP)	E		Improved/semi-improved grass (IG)	/	E
Orchard (OR)			Tilted land (TL)		
Wetland/head (MH)			Wetland (eg bog, marsh, fen)(WL)		
Shrub (SC)			Open water (OW)		
Herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

Vertical/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
>45	E	E	Reinforced - toe only		
Composite			Reinforced - toe only		
			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (>33%)
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)	X		Exposed boulders	X	
Riffle(s)	X		Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Slide(s)		X	Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)		X

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12058

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

LEFT BANK

Material	EA	EA	EA	CO	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	PB	NO	NO	NO	NO	NO	NO	NO	NO	SC

CHANNEL

Channel substrate	NV	CO	CO	CO	P	NV	NV	CO	NV	NV
Flow type	RP	SM	RP	RP	RP	RP	RP	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SC	VP	PB	PB	NO	SC	NO	NO	EC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	CP	CP	CP	CP	CP	CP	CP
LEFT BANK-TOP	S	S	S	S	S	C	C	C	C	C
LEFT BANK FACE	B	B	S	C	C	C	C	C	S	C
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	B
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

NONE						/	/	/
Liverworts/mosses/lichens								
Emergent broad-leaved herbs		/	/	/	/			/
Emergent reeds/hedges/rushes		/	/	/	/	/	/	/
Floating-leaved (rooted)								
Free-floating								
Amphibious	/	/	/	/	/	/	/	/
Submerged broad-leaved								
Submerged linear-leaved								
Submerged fine-leaved								
Filamentous algae								

1997 RIVER HABITAT SURVEY page 4 of 4 12058

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	6.0	Bankfull width (m)	33.0	Banktop height (m)	4.0
Banktop = Bankfull?	N	Water width (m)	19.0	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	0.75	Embanked height (m)	0.0

If trashing lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls		
Culverts				Fords		
Bridges			I	Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None	Artificial open water	Bog	Fringing reed-bank
Waterfalls >5m high			
Braided/side channels	Natural open water	Carr	Floating mat
Debris dam	Water meadow	Marsh	Other
Leafy debris	X	Fen	Flush

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrum, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals: DIPPER GREY WAGTAIL HERON

Other significant observations: (Old swing bridge mid site built across channel but supports do not effect banks (set back).

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	105	Slope (m/km)	2	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	46.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12059

Grid reference: SO 126219 River: USK 117
 Date: 3/12/1997 Time: 14.30 Surveyor: CS Accred. code: HD2

Adverse conditions? No Yes
 Bed of river visible? No Part Entire
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

H LAND USE WITHIN 50m OF BANKTOP

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

I BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank	/	
Slope >45	/	E	Reinforced - top only		
Gentle	/		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None		Present E		None		Present E (>33%)	
	X		X		X		X	
Waterfall(s)	X				Marginal deadwater		X	
Cascade(s)	X				Exposed bedrock	X		
Rapid(s)	X				Exposed boulders	X		
Riffle(s)		X			Unvegetated mid-channel bar(s)	X		
Run(s)			X		Vegetated mid-channel bar(s)		X	
Boil(s)	X				Mature island(s)	X		
Glide(s)		X			Unvegetated side bar(s)	X		
Pool(s)	X				Vegetated side bar(s)		X	
Ponded reach(es)	X				Discrete silt deposit(s)		X	
					Discrete sand deposit(s)	X		

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	EC	NO	NO	SC	SC	VS
CHANNEL										
Channel substrate	NV	CO	NV	NV	NV	NV	NV	NV	S1	CO
Flow type	RP	RP	RP	RP	SM	SM	SM	SM	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	VB	NO
RIGHT BANK										
Material	EA	BW	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

	BL	IG	IG	IG	IG	IG	IG	IG	IG	IG
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	CP	CP

G CHANNEL VEGETATION TYPES

	NV									
NONE										
Liverworts/mosses/lichens									/	/
Emergent broad-leaved herbs									/	/
Emergent reeds/hedges/rushes		/	/	/	/	/	/	/		
Floating-leaved (rooted)										
Free-floating										
Amphibious									/	/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK	
Banktop height(m)	1.5	Bankfull width(m) 27.0	Banktop height(m) 5.0
Banktop = Bankfull?	Y	Water width(m) 21.0	Banktop = Bankfull? N
Embanked height(m)	0.0	Water depth(m) 0.5	Embanked height(m) 0.0

If trassline lower than break in slope, indicate: height above water(m) = 2.0
 Bed material at site is: consolidated unconsolidated unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		1
Sluices				Overtfalls		
Calverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	<input checked="" type="checkbox"/>	Dredging	<input type="checkbox"/>	Mowing	<input type="checkbox"/>	Wood-cutting	<input type="checkbox"/>
		Enhancement	<input type="checkbox"/>	Other?	<input type="checkbox"/>		

O FEATURES OF SPECIAL INTEREST

None	<input checked="" type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Bog	<input type="checkbox"/>	Fringing reed-bank	<input type="checkbox"/>
Waterfalls >5m high		Natural open water	<input type="checkbox"/>	Carr	<input type="checkbox"/>	Floating mat	<input type="checkbox"/>
Braided/side channels		Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>	Other	<input type="checkbox"/>
Debris dam		Fen	<input type="checkbox"/>	Flush	<input type="checkbox"/>		

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management:
 Animals:
 Other significant observations:

S ALDERS
 Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12060

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	107	Slope (m/km)	2	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	45.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	3

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12060

Grid reference: SO 125228 River: USK 119

Date: 3/12 /1997 Time: 13.33 Surveyor: ZR Accred. code: HD1

Adverse conditions? No Yes

Bed of river visible? No Part. Entire

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee		coarce/bowl	
deep vee		symmetrical	
gorge		asymmetrical	<input checked="" type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12060

H LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
Deep >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

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	<input checked="" type="checkbox"/>		Marginal deadwater		<input checked="" type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>		Exposed bedrock	<input checked="" type="checkbox"/>	
Rapid(s)	<input checked="" type="checkbox"/>		Exposed boulders	<input checked="" type="checkbox"/>	
Riffle(s)		<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	
Run(s)		<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	
Boil(s)	<input checked="" type="checkbox"/>		Mature island(s)	<input checked="" type="checkbox"/>	
Glide(s)	<input checked="" type="checkbox"/>		Unvegetated side bar(s)	<input checked="" type="checkbox"/>	
Pool(s)	<input checked="" type="checkbox"/>		Vegetated side bar(s)		<input checked="" type="checkbox"/>
Ponded reach(es)	<input checked="" type="checkbox"/>		Discrete silt deposit(s)	<input checked="" type="checkbox"/>	
			Discrete sand deposit(s)	<input checked="" type="checkbox"/>	

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12060

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	SC	NO	NO	NO	SC	SC	NO	NO

CHANNEL

Channel substrate	CO	CO	CO	NV	CO	NV	NV	CO	NV	CO
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	VS	NO	EC	NO	SC	NO	SC	SC	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP	B	B	B	B	B	B	B	B	B	B
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	TL	TL	TL	TL	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

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

1997 RIVER HABITAT SURVEY page 4 of 4 12060

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	40.0	Bankfull width (m)	60.0	Banktop height (m)	3.0
Banktop = Bankfull?	*	Water width (m)	20.0	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	0.5	Embanked height (m)	0.0

If bankline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		1
Sluices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None <input checked="" type="checkbox"/>	Dredging	Mowing	Weed-cutting
	Enhancement	Other?	

O FEATURES OF SPECIAL INTEREST

None <input checked="" type="checkbox"/>	Artificial open water	Bog	Fringing reed-bank
Waterfalls >5m high	Natural open water	Carr	Floating mat
Braided/side channels	Water meadow	Marsh	Other
Debris dam	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals: KINGFISHER DIPPER

Other significant observations: Terracing on L.B. Road at top of L.B.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12061

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 110 Slope (m/km) 2 Flow category (1-10) 7
 BGS Solid geology code 75 BGS Drift geology code 5 Planform category 2
 Distance from source(km) 44.5 Significant tributary? N Navigation? N
 Height of source(m) 500 Water Quality class 1.5 RHS Segment type 6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12061

Grid reference: SO 122234 River: USK 121

Date: 3/12 /1997 Time: 12.00 Surveyor: CS Accred. code: HD2

Adverse conditions? No Yes

Bed of river visible? No Part Entire

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 deep vee symmetrical
 gorge asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 1 Unvegetated point bar 0
 Pools 6 Vegetated point bar 0

Output created by IFE, Wareham on 29/03/1998

SITE NO. 12061 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12061

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Woodland/mixed woodland (BL)	/	/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Shrub (SC)	/		Open water (OW)		
Wild herbs (TH)			Suburban/urban development (SU)	/	
			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	/	/	Retentioned		
Vertical + toe	/	/	Reinforced - whole bank	/	/
Deep >45	E	/	Reinforced - top only		
Shingle	/		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	-	X	Exposed boulders	X	-
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	-	X	Unvegetated side bar(s)	-	X
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	-	X
			Discrete sand deposit(s)	X	-

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12061

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	SC	SB	NO	NO
CHANNEL										
Channel substrate	NV	NV	GP	NV	NV	CO	CO	NV	NV	CO
Flow type	SM	SM	SM	SM	SM	RP	BW	UW	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
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

	IG	IG	IG	IG	BL	IG	IG	IG	BL	SU
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	BL	IG	IG	IG	BL	SU
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	U
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

	NV		/	NV		NV			
NONE	NV		/	NV		NV			
Liverworts/mosses/lichens									
Emergent broad-leaved herbs							/	/	/
Emergent reeds/hedges/rushes		/					/	/	/
Floating-leaved (rooted)									
Free-floating									
Amphibious					/		/	/	/
Submerged broad-leaved									
Submerged linear-leaved									
Submerged fine-leaved									
Filamentous algae		NV							

1997 RIVER HABITAT SURVEY page 4 of 4 12061

I. CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	3.0	Bankfull width (m) 36.0
Banktop = Bankfull? <input checked="" type="checkbox"/>	Water width (m) 30.0	Banktop height (m) 3.0
Embanked height (m) 0.0	Water depth (m) 0.5	Banktop = Bankfull? <input checked="" type="checkbox"/>
	Embanked height (m) 0.0	

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	1	
Sluices				Outfalls		
Culverts				Fords		
Bridges	1			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None <input checked="" type="checkbox"/>	Dredging <input type="checkbox"/>	Mowing <input type="checkbox"/>	Weed-cutting <input type="checkbox"/>
	Enhancement <input type="checkbox"/>	Other? <input type="checkbox"/>	

O FEATURES OF SPECIAL INTEREST

None <input checked="" type="checkbox"/>	Waterfalls >5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Fringing reed-bank <input type="checkbox"/>
	Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	Floating mat <input type="checkbox"/>
	Debris dam <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	Other <input type="checkbox"/>
	Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased)

Major impacts: ROAD RAIL

Land Management:

Animals: HERON

Other significant observations: Large cut-off channel at last spot check. Derelict railway bridge at point 5 some in river.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12062

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 110 Slope (m/km) 1.7 Flow category (1-10) 7
 BGS Solid geology code 75 BGS Drift geology code 5 Planform category 2
 Distance from source(km) 43.5 Significant tributary? N Navigation? N
 Height of source(m) 500 Water Quality class 1.5 RHS Segment type 6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12062

Grid reference: SO 118242 River: USK 123
 Date: 3/12 /1997 Time: 10.45 Surveyor: ZR Accred. code: HD1

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 deep vee symmetrical
 gorge asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 0 Unvegetated point bar 0
 Pools 0 Vegetated point bar 1

Output created by IFE, Wareham on 29/03/1998

FE NO. 12062 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12062

II LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	E	E	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
Deep >45	E	E	Reinforced - top only		
Shingle			Reinforced - toe only	/	
Composite			Artificial (two-stage)		
			Poached		
			Embanked		
			Set-back embankments		

I EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	X	-
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffles	X	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12062

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	BW	EA	EA	BW	EA	EA	EA	EA	EA	EA
Bank modification(s)	RJ	RJ	RJ	RJ	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	SC	NO	NO	NO
CHANNEL										
Channel substrate	CO	NV	NV	NV	P	CO	NV	NV	NV	NV
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	MI	MB	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)	SC	NO	VS	VS	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	IG	IG	IG	IG	IG	IG	SU	SU	SU
LAND USE WITHIN 5m OF BANKTOP (L)									
LEFT BANK-TOP	S	S	S	S	S	S	B	B	B
LEFT BANK FACE	B	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	TL	TL	TL	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

NONE									NV	NV	/
Liverworts/mosses/lichens	/										/
Emergent broad-leaved herbs	/										/
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)											
Free-floating											
Amphibious	/				/	/					/
Submerged broad-leaved											
Submerged linear-leaved											
Submerged fine-leaved											
Filamentous algae											

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L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m) 2.5	Bankfull width (m) 30.0	Banktop height (m) 4.0
Banktop = Bankfull? Y	Water width (m) 20.0	Banktop = Bankfull? N
Embanked height (m) 0.0	Water depth (m) 0.5	Embanked height (m) 0.0

If (rastrate lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated Unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X Weirs				Revetments		
				Outfalls		
				Fords		
				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	Artificial open water	Bog	Fringing reed bank
Braided/side channels	Natural open water	Carr	Floating mat
Debris dam	Water meadow	Marsh	Other
Leafy debris	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management:
 Animals: DIPPER
 Other significant observations: At spotchecks 1-4 builders waste dumped over bank as reinforcement. Very deep river.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Alluvial(m)	113	Slope (m/km)	1.7	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	42.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12063

Grid reference: SO 110246 River: USK 125
 Date: 3/12 /1997 Time: 9.30 Surveyor: CS Accred. code: HD2

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 deep vee symmetrical
 gorge asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 1 Unvegetated point bar 2
 Pools 0 Vegetated point bar 1

Output created by IFE, Wareham on 29/03/1998

H LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
Deep >45	/	/	Reinforced - top only		
Gentle	/	/	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

I EXTENT OF TREES AND ASSOCIATED FEATURES

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E (>33%)
None	-	-	Shading of channel	X	-
Isolated/scattered	-	-	Overhanging boughs	-	X
Regularly spaced, single	-	-	Exposed bank-side roots	-	X
Occasional clumps	-	-	Underwater tree roots	-	X
Semi-continuous	X	X	Fallen trees	-	X
Continuous	-	-	Coarse woody debris	X	-

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	-	Vegetated mid-channel bar(s)	-	X
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	-	X	Unvegetated side bar(s)	X	-
Pwd(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	-	X
			Discrete sand deposit(s)	-	X

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	EC	EC	EC	NO	NO	NO	NO	NO	NO

CHANNEL

Channel substrate	NV	NV	CO	CO	CO	NV	NV	P	NV	NV
Flow type	RP	RP	RP	RP	RP	SM	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	VB

RIGHT BANK

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	NV
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	PB	PB	PB	PB	NO	EC	NO	VP	SC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	RP	RP	RP	BL	BL	SU
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	B
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

NONE	NV	NV	/		NV			NV	NV	NV
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										/
Emergent reeds/hedges/rushes				/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious				/			/			/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	1.5	Bankfull width (m)	12.5	Banktop height (m)	1.5
Banktop = Bankfull?	Y	Water width (m)	11.5	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated Unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None	X				
Waterfalls >5m high	-	Artificial open water	-	Bog	-
Braided/side channels	-	Natural open water	-	Carr	-
Debris dam	-	Water meadow	-	Marsh	-
Leafy debris	-	Fen	-	Flash	-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management:
 Animals: HERON
 Other significant observations: Large oxbows on both sides of the river. Very active.

S ALDERS

Alders: None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	115	Slope (m/km)	1.7	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	41.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12064

Grid reference: SO 104244 River: USK 127
 Date: 6/12/1997 Time: 9.15 Surveyor: CS Accred. code: HD2

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee		concave/bowl
deep vee	<input checked="" type="checkbox"/>	symmetrical
gorge		asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	2
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
roadleaf/mixed woodland (BL)		/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Scrub (SC)	/		Open water (OW)		
Fall herbs (TH)	E	/	Suburban/urban development (SU)		
			Rock and scree (RS)	/	

BANK PROFILES

atural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	/	E	Resectioned		
Vertical + toe	E	/	Reinforced - whole bank		/
Deep >45	/	/	Reinforced - top only		
entle	E		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None		Present		ASSOCIATED FEATURES		
	None	Present	None	Present	None	Present	E (>33%)
Waterfall(s)	X	-	-	-	Marginal deadwater	-	X
Cascade(s)	X	-	-	-	Exposed bedrock	X	-
Rapid(s)	X	-	-	-	Exposed boulders	X	-
Riffle(s)	-	X	-	-	Unvegetated mid-channel bar(s)	-	X
Run(s)	-	-	X	-	Vegetated mid-channel bar(s)	-	X
Boil(s)	X	-	-	-	Mature island(s)	-	X
Slide(s)	-	X	-	-	Unvegetated side bar(s)	X	-
Pool(s)	X	-	-	-	Vegetated side bar(s)	X	-
Ponded reach(es)	-	X	-	-	Discrete silt deposit(s)	-	X
					Discrete sand deposit(s)	-	X

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	CO	CO	CO	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	EC	PB	PB	PB	PB	NO

CHANNEL

Channel substrate	GP	GP	G	GP	P	SA	G	P	P	GP
Flow type	RP	RP	RP	RP	RP	RP	SM	RP	NP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	MI	VE	MB	NO	VB	NO	NO	NO	VB	NO

RIGHT BANK

Material	EA	EA	EA	EA	EA	EA	EA	BW	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	RI	RI	NO	NO
Bank feature(s)	NO	PB	PB	SC	SC	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	SC	TH	TH	TH	IG
LEFT BANK-TOP	S	S	U	S	S	S	S	U	S
LEFT BANK FACE	S	S	U	S	S	S	S	U	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	BL	TH	IG	IG	IG

G CHANNEL VEGETATION TYPES

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

I CHANNEL DIMENSIONS

LEFT BANK		CHANNEL		RIGHT BANK
Banktop height(m)	1.5	Bankfull width (m)	17.25	Banktop height (m)
Banktop = Bankfull?	Y	Water width (m)	14.25	Banktop = Bankfull?
Embanked height (m)	0.0	Water depth (m)	0.6	Embanked height (m)
If trashline lower than break in slope, indicate: height above water(m) = 0.0				
Bed material at site is: consolidated <input type="checkbox"/> unconsolidated <input type="checkbox"/> unknown <input checked="" type="checkbox"/>				
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/>				

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	I	
Sluices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None				
Waterfalls >5m high	-	Artificial open water	-	Bog
Braided/side channels	-	Natural open water	-	Carr
Debris dam	-	Water meadow	-	Marsh
Leafy debris	X	Fen	-	Flush
				Fringing reed-bank
				Floating mat
				Other

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground slder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management:
 Animals: HERON
 Other significant observations: Very dynamic river lots of old terraces & oxbow lakes even though flow is relatively slow. Lots of deposition of sandy cobble and gravel pebble in some areas. Discarded slder upstream.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12065

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 118 Slope (m/km) 1.7 Flow category (1-10) 7
 BGS Solid geology code 75 BGS Drift geology code 5 Planform category 2
 Distance from source(km) 40.5 Significant tributary? N Navigation? N
 Height of source(m) 500 Water Quality class 1.5 RHS Segment type 6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12065

Grid reference: SO 97253 River: USK 129
 Date: 6/12 /1997 Time: 10.35 Surveyor: ZR Accred. code: HD1

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 deep vee X symmetrical
 gorge asymmetrical

Terraced valley? No Yes

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 1 Unvegetated point bar 1
 Pools 0 Vegetated point bar 1

Output created by IFE, Wareham on 29/03/1998

SITE NO. 12065 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12065

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
roadleat/mixed woodland (BL)			Rough pasture (RP)		
coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	/
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
scrub (SC)	E	E	Open water (OW)		
all herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

I BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical undercut	/	/	Resectioned		
Vertical + toe			Reinforced - whole bank		
Slope >45	E	E	Reinforced - top only		
benic			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)	X		Exposed boulders	X	
Riffles(s)		X	Unvegetated mid-channel bar(s)		X
Run(s)		X	Vegetated mid-channel bar(s)		X
Boil(s)	X		Mature island(s)		X
Glide(s)		X	Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reach(es)		X	Discrete silt deposit(s)		X
			Discrete sand deposit(s)		X

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12065

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	CO	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	EC	SC	SC	NO	NO
CHANNEL										
Channel substrate	NV	NV	NV	NV	CO	CO	P	NV	CO	NV
Flow type	RP	RP	NP	RP	RP	RP	RP	SM	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	VB	MI	MI	MI	MI	MI
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	CO	CO	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SC	EC	NO	EC	PB	PB	PB	VP	ND

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	SC	IG	IG	IG	IG	IG	IG	IG	IG	IG
LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	SC	IG	IG	IG	IG	IG
LEFT BANK-TOP	B	S	B	S	S	S	S	S	S	S
LEFT BANK FACE	S	B	S	B	S	S	S	S	S	S
RIGHT BANK FACE	S	S	B	S	B	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	IG	IG	IG	SC	SC	SC	SC	SC	SC

G CHANNEL VEGETATION TYPES

	NV									
NONE										
Liverworts/mosses/lichens										
Emergent broad-leaved herbs		/	/							/
Emergent reeds/hedges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious		/	/							/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

1997 RIVER HABITAT SURVEY page 4 of 4 12065

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m) 1.5	Bankfull width (m) 19.0	Banktop height (m) 1.5
Banktop = Bankfull? Y	Water width (m) 16.0	Banktop = Bankfull? Y
Embanked height (m) 0.0	Water depth (m) 0.75	Embanked height (m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 2.0
 Bed material at site is: consolidated unconsolidated Unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X Weirs				Revetments		
Sluices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None					
Waterfalls >5m high		Artificial open water		Bog	Fringing reed-bank
Braided/side channels		Natural open water	X	Carr	Floating mat
Debris dam		Water meadow		Marsh	Other
Leafy debris	X	Fen		Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = moss)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management:
 Animals:
 Other significant observations: Many willow saplings on LB. Diseased alder D/S of reach. Urban waste amongst trashline. Very dynamic river. Many cut-off mid-channel bars with ponded areas between them & the bank (natural open water)

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	120	Slope (m/km)	1.7	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	39.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12066

Grid reference: SO 89263 River: USK 131

Date: 3/12 /1997 Time: 15.10 Surveyor: DC Accred. code: HD4

Adverse conditions? No Yes

Bed of river visible? No Part Entire

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

<input checked="" type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	4	Unvegetated point bar	0
Pools	0	Vegetated point bar	1

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Woods/mixed woodland (BL)	/	/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Wetland/heath (WH)			Wetland (eg bog, marsh, fen)(WL)		
Open water (OW)	/	/	Open water (OW)		
Suburban/urban development (SU)			Suburban/urban development (SU)		
Rock and scree (RS)			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut		E	Resectioned		
Vertical + toe		/	Reinforced - whole bank		
Top >45	E		Reinforced - top only		
Toe	/		Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E (>33%)		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater	X	
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)	X		Exposed boulders	X	
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Slide(s)		X	Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	EC	SC	SC	VS	VS	VS	VS	NO	NO
CHANNEL										
Channel substrate	NV	NV	BE	BE	CO	CO	BE	BE	BE	BE
Flow type	RP	RP	RP	RP	RP	RP	SM	RP	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	RO	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)	VS	VS	SC	VS	SC	SC	EC	EC	SC	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	U	U	U	U	S	U	U	S	S	U
LEFT BANK FACE	C	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	U	U	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)										
	RP	RP	RP	SC	SC	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

	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 linear-leaved							/			/
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	2.2	Bankfull width (m)	40.0	Banktop height (m)	2.5
Banktop = Bankfull?	Y	Water width (m)	33.0	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	0.4	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	<input checked="" type="checkbox"/>	Dredging	<input type="checkbox"/>	Mowing	<input type="checkbox"/>	Weed-cutting	<input type="checkbox"/>
		Enhancement	<input type="checkbox"/>	Other?	<input type="checkbox"/>		

O FEATURES OF SPECIAL INTEREST

None	<input checked="" type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Bog	<input type="checkbox"/>	Fringing reed-bank	<input type="checkbox"/>
		Natural open water	<input type="checkbox"/>	Carr	<input type="checkbox"/>	Floating mat	<input type="checkbox"/>
		Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>	Other	<input type="checkbox"/>
		Fen	<input type="checkbox"/>	Flush	<input type="checkbox"/>		

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other? P8

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals: HERON

Other significant observations: Possible terracing on last 2 spotchecks L.B. BE & eroding in places of RB.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	125	Slope (m/km)	6.7	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Platform category	2
Distance from source(km)	38.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12067

Grid reference: SO 84772 River: USK 133

Date: 13/11 /1997 Time: 15.30 Surveyor: ZR Accred. code: HD1

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>
Terraced valley?	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>		

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	2	Unvegetated point bar	1
Pools	0	Vegetated point bar	0

Output created by IFE, Warcham on 25/03/1998

LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank	/	
Slope >45	E	E	Reinforced - top only		
Shingle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E (>33%)		None	Present E (>33%)
Waterfall(s)		X	Marginal deadwater		X
Cascade(s)		X	Exposed bedrock		X
Rapid(s)		X	Exposed boulders		X
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Glides	X		Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	RR	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	RI	RI	NO	NO
Bank feature(s)	NO	NO	NO	SC	NO	NO	NO	NO	PB	SC

	BE	BE	BE	BE	NV	BE	BE	BE	BE	NV
CHANNEL										
Channel substrate	BE	BE	BE	BE	NV	BE	BE	BE	BE	NV
Flow type	RP	RP	RP	RP	RP	RP	RP	BW	UW	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	RO	RO	NO

	EA	EA	BE	CO	EA	BE	EA	BE	BE	BE
RIGHT BANK										
Material	EA	EA	BE	CO	EA	BE	EA	BE	BE	BE
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

BANKTOP LAND USE AND VEGETATION STRUCTURE

	SU	SU	IG	IG	IG	SU	SU	SU	IG	IG
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	B	B	S	S	S	B	S	B	S	S
LEFT BANK FACE	S	S	S	S	S	C	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	B	B
LAND USE WITHIN 5m OF BANK TOP (R)										
	IG	IG	IG	IG	IG	IG	IG	IG	OW	OW

CHANNEL VEGETATION TYPES

NONE					NV					NV
Liverworts/mosses/lichens						/	/			/
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes	/	/	/	/		/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious	/	/	/			/	/	/	/	/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

CHANNEL DIMENSIONS

	LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	15.0	Bankfull width (m)	54.0
Banktop = Bankfull?	*	Water width (m)	35.0
Embanked height (m)	0.0	Water depth (m)	0.5
		Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle run or glide other

ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
				Revetments		
X	Weirs			Outfalls		
	Sluices			Fords		
	Cutverts			Deflectors		
	Bridges			Other		

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

EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

FEATURES OF SPECIAL INTEREST

None					
Waterfalls >5m high		Artificial open water	X	Bog	Fringing reed-bank
Braided/side channels		Natural open water		Carr	Floating mat
Debris dam		Water meadow		Marsh	Other
Leafy debris	X	Fen		Flush	

CHOKED CHANNEL

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

NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals: DIPPER

Other significant observations: Exposed bedrock with vegetation on it.

ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	130	Slope (m/km)	4	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	37.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12068

Grid reference: SO 76273 River: USK 135

Date: 13/11/1997 Time: 14.00 Surveyor: CS Accred. code: HD2

Adverse conditions? No X Yes

Bed of river visible? No Part. X Entire

Duplicate photographs: general character? No Yes X

Surveyed from: Left X Right Channel X

SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

shallow vee		concave/bowl
X deep vee		symmetrical
gorge		asymmetrical

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	BR	BW	EA	EA	EA
Bank modification(s)	RI	RI	NO	NO	NO	RS	RI	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	P	BE	BE	NV	BE	BE	NV	BE	BE	NV
Flow type	RP	RP	RP	SM	SM	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	RO	NO	NO	NO	NO	NO

RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	CO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	TH	OW	TH	SU	IG
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	B	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	U	U	U	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TL	TL	TL	SU	RP	SU	IG	IG	SU	IG

G CHANNEL VEGETATION TYPES

NONE		/	/	NV						
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/hedges/rushes	/				/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious	/			/	/	/	/	/	/	/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
roadleat/mixed woodland (BL)			Rough pasture (RP)		/
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	/
Orchard (OR)			Tilled land (TL)		/
Moortland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Scrub (SC)			Open water (OW)	/	
All herbs (TH)	/		Suburban/urban development (SU)	/	/
			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	/	
Vertical + toe	/		Reinforced - whole bank	/	
Deep >45	E	E	Reinforced - top only		
Shingle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

Waterfall(s)	None X	Present E	Marginal deadwater	None X	Present E (>33%)
Cascade(s)		X	Exposed bedrock		X
Rapid(s)		X	Exposed boulders		X
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Glide(s)		X	Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

L CHANNEL DIMENSIONS

LEFT BANK		CHANNEL		RIGHT BANK	
Banktop height(m)	20.0	Bankfull width (m)	45.0	Banktop height (m)	6.0
Banktop = Bankfull?	N	Water width (m)	31.0	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	0.7	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated - unconsolidated - unknown X
 Location of measurement is: riffle - run or glide X other -

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	1	2
Stuices				Outfalls		
Culverts				Fords		
Bridges	1			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None X	Dredging	Mowing	Wood-cutting
	Enhancement	Other?	

O FEATURES OF SPECIAL INTEREST

None	Waterfalls >5m high	Artificial open water	X	Bog	Fringing reed-bank
	Braided/side channels	Natural open water		Carr	Floating mat
	Debris dam	Water meadow		Marsh	Other
	Leafy debris	Fen		Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None - Giant hogweed - Himalayan balsam - Japanese knotweed X Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: ROAD
 Land Management:
 Animals: DIPPER GREY WAGTAIL
 Other significant observations: Canal on left bank top.

S ALDERS

Alders? None - Present X Extensive - Diseased alders? None X Present - Extensive -

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	133	Slope (m/km)	1.25	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	36.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box (if any corrections are needed)

Reference site number: 12069

Grid reference: SO 68275 River: USK 137
 Date: 13/11 /1997 Time: 12.20 Surveyor: ZR Accred code: HD1

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 deep vee X symmetrical
 gorge asymmetrical
 Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 3 Unvegetated point bar 1
 Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Broadleaved/mixed woodland (BL)			Rough pasture (RP)	/	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Wetland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Sub (SC)	/		Open water (OW)		
Tall herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
Top > 45	E	E	Reinforced - top only		
Single		/	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

I EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)	X		Exposed boulders	X	
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Slide(s)	X		Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)		X
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

CHANNEL	P	P	CO	CO	NV	CO	CO	CO	CO	CO
Channel substrate	RP	RP	UW	UW	RP	RP	RP	UW	RP	RP
Flow type	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s)	NO	NO	RO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
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)	PB	PB	SC	PB	NO	NO	SB	VS	SC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	S	C	C	C	C	C	C	S	S	S
LEFT BANK FACE	S	S	S	C	C	C	C	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

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

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	Bankfull width (m) 28.0	Banktop height (m) 3.5
Banktop = Bankfull ? *	Water width (m) 23.0	Banktop = Bankfull ? *
Embanked height (m) 0.0	Water depth (m) 0.5	Embanked height (m) 0.0
If trashline lower than break in slope, indicate: height above water(m) = 1.9		
Bed material at site is: consolidated <input type="checkbox"/> unconsolidated <input type="checkbox"/> Xunknown <input type="checkbox"/>		
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/>		

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None				
Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank	
Braided/side channels	Natural open water	Carr	Floating mat	
Debris dam	Water meadow	Marsh	Other	
Leafy debris	X Fen	Flush		

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrus, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management:
 Animals: GREY WAGTAIL
 Other significant observations: Gently meandering with a huge unvegetated point bar which spans virtually the whole width of the channel. Dead after US 100m of site.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	133	Slope (m/km)	1.25	Flow category (1-10)	7
BGS Solid geology code	75	BGS Drift geology code	5	Platform category	2
Distance from source(km)	35.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12070

Grid reference: SO 61277 River: USK 139

Date: 13/11/1997 Time: 11.10 Surveyor: CS Accred. code: HD2

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input checked="" type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	1
Pools	0	Vegetated point bar	1

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Grass/mixed woodland (BL)			Rough pasture (RP)	/	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Shrub (SC)	/		Open water (OW)		
Herb (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Cut/undercut		/	Re-sectioned		
Vertical + toe	/	E	Reinforced - whole bank	/	
Deep >45	E		Reinforced - top only		
Single			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)	X		Exposed boulders		X
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Slide(s)		X	Unvegetated side bar(s)		X
Pool(s)	X		Vegetated side bar(s)		X
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	CC	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	RI	NO	NO	NO
Bank feature(s)	NO	VS	NO	NO	NO	NO	NO	SB	SC	NO
CHANNEL										
Channel substrate	P	CO	P	CO	CO	CO	CO	CO	CO	P
Flow type	SM	SM	SM	RP	UW	UW	UW	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
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	SC	SC	SC	VS	VS	VS	VS	SC	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	SC	IG	IG	IG	IG	IG
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

G CHANNEL VEGETATION TYPES

NONE										
Liverworts/mosses/lichens				/	/			/		/
Emergent broad-leaved herbs	/				/	/			/	/
Emergent reeds/hedges/rushes	/	/	/	/	/					/
Floating-leaved (rooted)										
Fires-floating										
Amphibious	/	/	/	/	/	/	/	/	/	/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	Bankfull width (m)	Banktop height (m)
3.5	45.0	2.2
Banktop = Bankfull ?	Water width (m)	Banktop = Bankfull ?
N	27.0	Y
Embanked height (m)	Water depth (m)	Embanked height (m)
0.0	0.45	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	1	
Shoals				Outfalls	1	
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None				
Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank	
Braided/side channels	Natural open water	Carr	Floating mat	
Debris dam	Water meadow	Marsh	Other	
Leafy debris	Fen	Flush		

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals: OTTER GREY WAGTAIL

Other significant observations: Riffle/Run/Glide sequence with very long meanders.

Other aprtains.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 135 Slope (m/km) 1.25 Flow category (1-10) 7
 BGS Solid geology code 75 BGS Drift geology code 5 Planform category 2
 Distance from source(km) 34.5 Significant tributary? N Navigation? N
 Height of source(m) 500 Water Quality class 1.5 RHS Segment type 6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12071

Grid reference: SO 52277 River: USK 141
 Date: 13/11 /1997 Time: 10.10 Surveyor: ZR Accred. code: HD1

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 deep vee symmetrical
 gorge asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 3 Unvegetated point bar 0
 Pools 0 Vegetated point bar 1

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Arable/mixed woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	/	
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Shrub (SC)			Open water (OW)		/
Tall herbs (TH)	/		Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank	/	
Deep >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

TREES	Left		Right	ASSOCIATED FEATURES		
	None	Present		None	Present	E (>33%)
None				X		
Isolated/scattered		X			X	
Regularly spaced, single					X	
Occasional clumps	X				X	
Semi-continuous					X	
Continuous					X	

K EXTENT OF CHANNEL FEATURES

	None		Present	E	Marginal deadwater		
	None	Present			None	Present	E (>33%)
Waterfall(s)	X				X		
Cascade(s)	X				X		
Rapid(s)	X				X		
Riffle(s)		X					
Runs(s)			X				
Boil(s)	X				X		
Glide(s)	X				X		
Pool(s)	X				X		
Ponded reach(es)	X				X		

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	VS	NO	NO	NO	NO
CHANNEL										
Channel substrate	CO	CO	CO	CO	NV	CO	CO	CO	CO	CO
Flow type	RP	RP	RP	RP	UW	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
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	VS	SC	VS	VS	VS	NO	VP

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	RP	RP	RP	RP	RP	RP	IG	IG	IG	IG
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	S	S	S	S	S	S	S	S	C	C
LEFT BANK FACE	S	S	S	S	S	C	S	S	C	C
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)										
	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

G CHANNEL VEGETATION TYPES

	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
NONE										
Liverwort/mosses/lichens				/	/					/
Emergent broad-leaved herbs				/	/					/
Emergent reeds/hedges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious	/	/		/	/	/	/	/	/	/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m) 3.0	Bankfull width (m) 50.0	Banktop height (m) 3.0
Banktop = Bankfull? Y	Water width (m) 27.0	Banktop = Bankfull? Y
Embanked height (m) 0.0	Water depth (m) 0.5	Embanked height (m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated Unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls	1	
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None
 Waterfalls >5m high Artificial open water Bog Fringing reed-bank
 Braided/side channels Natural open water Carr Floating mat
 Debris dam Water meadow Marsh Other
 Leafy debris Fen Flush

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management:
 Animals: DIPPER
 Other significant observations: Riffle/Run sequence. Large & wide with natural open water in the form of an ex-bow lake.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	137	Slope (m/km)	1.25	Flow category (1-10)	6
BGS Solid geology code	75	BGS Drift geology code	B	Planform category	2
Distance from source(km)	31.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS - Please check form and tick box if any corrections are needed

Reference site number: 12074

Grid reference: SO 29288 River: USK 147
 Date: 14/11 /1997 Time: 10.55 Surveyor: ZR Accred. code: HD1

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

<input checked="" type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical

Terraced valley? No Yes

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	0	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

H LAND USE WITHIN 50m OF BANKTOP

	L	R	L	R
Broadleaf/mixed woodland (BL)				
Coniferous plantation (CP)				
Orchard (OR)				
Moorland/death (MH)				
Shrub (SC)	/			
Grass/herbs (TH)				

I BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/	/	Reseccioned		
Vertical + toe	/	/	Reinforced - whole bank	/	/
Deep >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

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

K EXTENT OF CHANNEL FEATURES

	None	Present	E (>33%)	None	Present	E (>33%)
Waterfall(s)	X				X	
Cascade(s)	X				X	
Rapid(s)	X			X		
Riffle(s)	X			X		
Run(s)	X			X		
Boil(s)	X			X		
Slide(s)		X			X	
Pool(s)	X			X		
Ponded reach(es)	X			X		

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SB	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	BE	BE	BE	NV	BE	NV	NV	NV	NV	NV
Flow type	RP	RP	RP	RP	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	BE	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

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	TL	SC	IG	IG	IG	IG
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	C	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

	1	2	3	4	5	6	7	8	9	10
NONE				NV	NV	NV	NV	NV	NV	NV
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes		/								/
Floating-leaved (rooted)										
Free-floating										
Amphibious	/									/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	4.5	Bankfull width (m)	35.0	Banktop height (m)	5.0
Banktop = Bankfull?	*	Water width (m)	20.0	Banktop = Bankfull?	*
Embanked height (m)	0.0	Water depth (m)	0.5	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None <input checked="" type="checkbox"/>	Dredging	Mowing	Weed-cutting
	Enhancement	Other?	

O FEATURES OF SPECIAL INTEREST

None	Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank
	Braided/side channels	Natural open water	Carr	Floating mat
	Debris dam	Water meadow	Marsh	Other
	Leafy debris	X Fen	Flush	

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)
 None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased)
 Major impacts:
 Land Management:
 Animals: KINGFISHER
 Other significant observations: Slow moving glide. Possibly reactioned years ago. Very deep.

S ALDERS
 Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	140	Slope (m/km)	2	Flow category (1-10)	6
BGS Solid geology code	75	BGS Drift geology code	0	Planform category	2
Distance from source(km)	29.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12076

Grid reference: SO 11285 River: USK 151
 Date: 3/12 /1997 Time: 13.10 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	3	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
roadleaf/mixed woodland (BL)			Rough pasture (RP)		
coniferous plantation (CP)			Improved/semi-improved grass (IG)	/	E
Orchard (OR)			Tilled land (TL)		
moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
scrub (SC)			Open water (OW)		
grassland (TH)			Suburban/urban development (SU)		/
			Rock and scree (RS)		

I BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified			Resectioned		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe	/	/	Reinforced - top only		
Deep >45	E	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)		X	Exposed bedrock		X
Rapid(s)		X	Exposed boulders		X
Riffles(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Glide(s)	X		Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	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	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Flow type	RP	BW	UW	RP	UW	RP	RP	RP	RP	BW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	RO	RO	NO	NO	NO	NO	NO	NO	RO

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

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	IG	IG	IG
LEFT BANK-TOP	C	S	S	S	S	S	S	U	U	U
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	B	B	U	U	U	U	U	U	U	B
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	IG	IG	IG	IG	IG	IG	IG	SU

G CHANNEL VEGETATION TYPES

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

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	Bankfull width (m)	Banktop height (m)
3.0	53.0	4.0
Banktop = Bankfull? <input checked="" type="checkbox"/>	Water width (m)	Banktop = Bankfull? <input type="checkbox"/>
	40.0	N
Embanked height (m)	Water depth (m)	Embanked height (m)
0.0	0.7	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None <input checked="" type="checkbox"/>	Dredging	Mowing	Weed-cutting
	Enhancement	Other?	

O FEATURES OF SPECIAL INTEREST

None <input type="checkbox"/>	Artificial open water	Bog	Fringing reed-bank
	Natural open water	Carr	Floating mat
	Water meadow	Marsh	Other
	Leafy debris	Flush	

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = moss)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management:
 Animals:
 Other significant observations: Fast bedrock river through IG & BL.

S ALDERS

Alders? None Present Extensive Discarded alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	145	Slope (m/km)	2.8	Flow category (1-10)	6
BGS Solid geology code	75	BGS Drift geology code	0	Planform category	2
Distance from source(km)	28.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12077

Grid reference: SO 8292 River: USK 153
 Date: 3/12 /1997 Time: 12.00 Surveyor: DC Accred. code: HD4

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

<input checked="" type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	4	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Smallleaf/mixed woodland (BL)	/	/	Rough pasture (RP)		
Coniferous plantation (CP)	E		Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Scrub (SC)	/		Open water (OW)		
Small herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	E	/	Resectioned		
Vertical + toe		/	Reinforced - whole bank		
Deep >45	/	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		/
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None X	Present E (>33%)		None X	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	-	X	Exposed bedrock	-	X
Rapid(s)	X	-	Exposed boulders	-	X
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Slide(s)	X	-	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SC	SC	SC	(SC)	(SC)	SC	SC	SC	SC
CHANNEL										
Channel substrate	CO	BO	BE	BE	BE	BE	BE	BE	BE	BE
Flow type	RP	SM	SM	SM	SM	UW	RP	RP	UW	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	PC	NO	NO	NO
Bank feature(s)	NO	SC	SC	EC	SC	SC	NO	SC	SC	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	CP	CP	BL	CP	CP	BL	BL	BL	CP	BL
LAND USE WITHIN 5m OF BANKTOP (L)	CP	CP	BL	CP	CP	BL	BL	BL	CP	BL
LEFT BANK-TOP	C	C	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	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

G CHANNEL VEGETATION TYPES

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

I CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	2.3	Bankfull width (m)	39.0	Banktop height (m)	3.0
Banktop = Bankfull?	Y	Water width (m)	31.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	0.6	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None <input checked="" type="checkbox"/>	Dredging <input type="checkbox"/>	Mowing <input type="checkbox"/>	Weed-cutting <input type="checkbox"/>
	Enhancement <input type="checkbox"/>	Other? <input type="checkbox"/>	

O FEATURES OF SPECIAL INTEREST

None <input checked="" type="checkbox"/>	Waterfalls >5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Fringing reed-bank <input type="checkbox"/>
	Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	Floating mat <input type="checkbox"/>
	Debris dam <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	Other <input type="checkbox"/>
	Leafy debris <input type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)
 None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)
 Major impacts:
 Land Management:
 Animals:
 Other significant observations: Fast flowing shallow bedrock river with cooler plantations.

S ALDERS
 Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12079

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	150	Slope (m/km)	2.8	Flow category (1-11)	6
BGS Solid geology code	75	BGS Drill geology code	8	Planform category	2
Distance from source(km)	26.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12079

Grid reference: SN 992294 River: USK 157

Date: 13/11 /1997 Time: 15.10 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input checked="" type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	2	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

FE.NO. 12079 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12079

H LAND USE WITHIN 50m OF BANKTOP

Radical/mixed woodland (BL)					
Coniferous plantation (CP)					
Orchard (OR)					
Wetland/heath (MH)					
Shrub (SC)					
Wild herbs (TH)					

I BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	/	/	Resectioned		E
Vertical + toe	/	/	Reinforced - whole bank		
Slope >45	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		E
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

Waterfall(s)	None	Present	E	Marginal deadwater		
				None	Present	E(>33%)
Cascade(s)	X			Exposed bedrock		X
Rapid(s)	X			Exposed boulders		X
Riffle(s)		X		Unvegetated mid-channel bar(s)		X
Run(s)		X		Vegetated mid-channel bar(s)		X
Boil(s)	X			Mature island(s)		X
Glide(s)		X		Unvegetated side bar(s)		X
Pool(s)	X			Vegetated side bar(s)		X
Ponded reach(es)	X			Discrete silt deposit(s)		X
				Discrete sand deposit(s)		X

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12079

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	SC	NO	SC	NO	NO	SC	NO
CHANNEL										
Channel substrate	CO	CO	CO	CO	CO	BO	CO	BO	NV	NV
Flow type	UW	UW	RP	UW	RP	RP	RP	RP	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	RS	EMRS	EMRS	EMRS	EMRS	EMRS
Bank feature(s)	NO	VS	NO	NO	SC	NO	NO	SC	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	RP	RP	RP	RP	RP	RP

G CHANNEL VEGETATION TYPES

NONE	NV	NV							NV	NV	NV
Liverworts/mosses/lichens			/	/	/						/
Emergent broad-leaved herbs						/					/
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)											
Free-floating											
Amphibious			/			/					/
Submerged broad-leaved											
Submerged linear-leaved											
Submerged fine-leaved											
Filamentous algae								/			/

1997 RIVER HABITAT SURVEY page 4 of 4 12079

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL		RIGHT BANK		
Banktop height(m)	3.0	Bankfull width (m)	28.0	Banktop height (m)	3.2
Banktop = Bankfull?	Y	Water width (m)	20.0	Banktop = Bankfull?	N
Embanked height (m)	0.8	Water depth (m)	0.35	Embanked height (m)	0.0

If tradeline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None						
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	<input checked="" type="checkbox"/>	Dredging		Mowing		Weed-cutting	
		Enhancements		Other?			

O FEATURES OF SPECIAL INTEREST

None							
Waterfalls >5m high		Artificial open water		Bog		Fringing reed-bank	
Braided/side channels		Natural open water		Carr		Floating mat	
Debris dam		Water meadow		Marsh		Other	
Leafy debris	X	Fen		Flush			

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = brambles, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other? P11

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals: **DIPPER HERON**

Other significant observations: Large river flowing through IG; fringed with occasional clumps of BL.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

Altitude(m)	152	Slope (m/km)	3.3	Flow category (1-10)	6
BGS Solid geology code	75	BGS Drift geology code	8	Planform category	2
Distance from source(km)	25.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
 Reference site number: 12080

Grid reference: SN 984291 River: USK 159
 Date: 13/11 /1997 Time: 14.25 Surveyor: DS Accred. code: MN59
 Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

<input checked="" type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	2	Unvegetated point bar	1
Pools	0	Vegetated point bar	1

Output created by IFE, Wareham on 29/03/1998

H LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
Steep >45	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

Waterfall(s)	None Present E	Marginal deadwater	None Present E (>33%)
Cascade(s)	X - -	Exposed bedrock	X - -
Rapid(s)	X - -	Exposed boulders	X - -
Riffle(s)	- X -	Unvegetated mid-channel bar(s)	X - -
Run(s)	- - X	Vegetated mid-channel bar(s)	X - -
Boil(s)	X - -	Mature island(s)	X - -
Glides(s)	X - -	Unvegetated side bar(s)	- X -
Pool(s)	X - -	Vegetated side bar(s)	X - -
Ponded reach(es)	X - -	Discrete silt deposit(s)	- X -
		Discrete sand deposit(s)	X - -

E. PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	VP	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CO	CO	CO	CO	CO	BO	BO	NV	BO	CO
Flow type	RP	SM	SM	UW	UW	UW	BW	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
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	PB	PB	PB	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)										
	TH	BL	BL	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)										
	IG	IG	BL	BL	BL	BL	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

NONE										
Liverworts/mosses/lichens	/	/	/	/	/	/	/	/	/	/
Emergent broad-leaved herbs	/									/
Emergent reeds/edges/rushes		/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious	/	/	/	/	/	/	/	/	/	/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae		/								/

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	3.0 Bankfull width (m)	30.0 Banktop height (m)
Banktop = Bankfull?	Y Water width (m)	20.0 Banktop = Bankfull?
Embanked height (m)	0.0 Water depth (m)	0.6 Embanked height (m)

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated Unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X Weirs				Revetments		
Sluices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None <input checked="" type="checkbox"/>	Dredging <input type="checkbox"/>	Mowing <input type="checkbox"/>	Weed-cutting <input type="checkbox"/>
	Enhancement <input type="checkbox"/>	Other? <input type="checkbox"/>	

O FEATURES OF SPECIAL INTEREST

None <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Fringing reed-bank <input type="checkbox"/>
Braided/side channels <input type="checkbox"/>	Natural open water <input checked="" type="checkbox"/>	Carr <input type="checkbox"/>	Floating mat <input type="checkbox"/>
Debris dam <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	Other <input type="checkbox"/>
Leafy debris <input checked="" type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettle, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)
 None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)
 Major impacts:
 Land Management:
 Animals:
 Other significant observations: Large river flowing through IG fringed with BL.

S ALDERS
 Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	155	Slope (m/km)	3.3	Flow category (1-10)	6
BGS Solid geology code	75	BGS Drift geology code	B	Planform category	2
Distance from source(km)	24.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12081

Grid reference: SN 975288 River: USK 161

Date: 13/11 /1997 Time: 13.35 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

<input checked="" type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	2	Unvegetated point bar	0
Pools	0	Vegetated point bar	1

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Broadleaf/mixed woodland (BL)	/		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Shrub (SC)			Open water (OW)		
All herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified			Resectioned		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe	/		Reinforced - top only		
Deep >45	E	E	Reinforced - toe only		
Artificial			Artificial two-stage		
Composite			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present	E	ASSOCIATED FEATURES	
				None	Present E (>33%)
Waterfall(s)	X	-	-	Marginal deadwater	X
Cascade(s)	X	-	-	Exposed bedrock	X
Rapid(s)	-	X	-	Exposed boulders	X
Riffle(s)	-	X	-	Unvegetated mid-channel bar(s)	X
Run(s)	-	-	X	Vegetated mid-channel bar(s)	X
Islet(s)	X	-	-	Mature island(s)	X
Slide(s)	X	-	-	Unvegetated side bar(s)	X
Point(s)	X	-	-	Vegetated side bar(s)	X
Ponded reach(es)	X	-	-	Discrete silt deposit(s)	X
				Discrete sand deposit(s)	X

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	VS	NO	VP	VP	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	BO	CO	CO	CO	CO	CO	CO	CO	CO	*
Flow type	BW	RP	UW	UW	RP	UW	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
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)	SB	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

	1	2	3	4	5	6	7	8	9	10
NONE										
Liverworts/mosses/lichens	/		/	/	/	/	/	/	/	/
Emergent broad-leaved herbs			/					/		/
Emergent reeds/hedges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious	/	/	/	/	/	/	/	/	/	/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae	/	/							/	/

L CHANNEL DIMENSIONS

	CHANNEL	RIGHT BANK
Banktop height(m)	3.5	Bankfull width (m) 29.0
Banktop = Bankfull?	N	Banktop = Bankfull? Y
Embanked height (m)	0.0	Water depth (m) 0.5
		Embanked height (m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major			Intermediate			Minor		
	Major	Intermediate	Minor	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs						Revetments		
	Sluices						Outfalls		
	Culverts						Fords		
	Bridges						Deflectors		
							Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	<input checked="" type="checkbox"/>	Dredging	-	Mowing	-	Weed-cutting	-
		Enhancement	-	Other?	-		

O FEATURES OF SPECIAL INTEREST

None	<input type="checkbox"/>	Waterfalls >5m high	-	Artificial open water	-	Bog	-	Fringing reed-bank	-
		Braided/side channels	-	Natural open water	-	Carr	-	Floating mat	-
		Debris dam	-	Water meadow	-	Marsh	-	Other	-
		Leafy debris	X	Fen	-	Flush	-		-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = brambles, 6 = more)

None Giant hogweed Himalayan balsam Japanese knotweed Other? P11

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals:

Other significant observations: Large river flowing through IG fringed with BL.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	160	Slope (m/km)	3.3	Flow category (1-10)	6
BGS Solid geology code	75	BGS Drift geology code	8	Planform category	2
Distance from source(km)	23.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12082

Grid reference: SN 965291 River: USK 163

Date: 12/11 /1997 Time: 15.15 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

<input checked="" type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	3	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/		Resectioned		
Vertical + toe			Reinforced - whole bank		/
steep >45	E	E	Reinforced - top only		
gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E (>33%)		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)		X	Exposed bedrock		X
Rapid(s)		X	Exposed boulders		X
Riffle(s)		X	Unvegetated mid-channel bar(s)		X
Run(s)		X	Vegetated mid-channel bar(s)	X	
Britt(s)	X		Mature island(s)	X	
Slide(s)	X		Unvegetated side bar(s)		X
Pool(s)	X		Vegetated side bar(s)		X
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	SC	NO	NO
CHANNEL										
Channel substrate	BO	CO	CO	BE	BE	BO	BE	BO	NV	NV
Flow type	RP	RP	RP	RP	RP	BW	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	RO	RO	NO	RO	NO	NO	NO	RO
RIGHT BANK										
Material	EA	EA	BW	BR	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	RI	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	VS	NO	NO	SB	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)										
IG	IG	IG	IG	IG	SU	IG	IG	IG	IG	BL
LEFT BANK-TOP										
S	S	S	S	S	B	S	S	S	S	S
LEFT BANK FACE										
S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE										
S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP										
S	S	B	B	S	B	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)										
IG	IG	SU	SU	SU	SU	IG	BL	IG	IG	
G CHANNEL VEGETATION TYPES										
NONE										NV
Liverworts/mosses/lichens	/	/	/	/	/	/	/	/	/	/
Emergent broad-leaved herbs		/					/			/
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious	/	/		/						/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

I. CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	4.0	Bankfull width (m)	35.0	Banktop height (m)	4.0
Banktop = Bankfull?	Y	Water width (m)	20.0	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	0.5	Embanked height (m)	0.0

If bankline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		1
Sluices				Outfalls		
Culverts				Fords		
Bridges	1		1	Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank
Braided/side channels	Natural open water	Carr	Floating mat
Debris dam	Water meadow	Marsh	Other
Leafy debris	X	Fen	Flush

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = ivy)

None Giant hogweed Himalayan balsam Japanese knotweed Other? P2 P11

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: HOUSING ROAD

Land Management:

Animals:

Other significant observations:

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12083

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	163	Slope (m/km)	4	Flow category (1-10)	6
BGS Solid geology code	75	BGS Drift geology code	8	Planform category	2
Distance from source(km)	22.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12083

Grid reference: SN 956291 River: USK 165

Date: 12/11 /1997 Time: 14.05 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part Entire

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	0
Pools	0	Vegetated point bar	1

Output created by IFE, Wareham on 29/03/1998

SITE NO. 12083 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12083

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
roadleaf/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)		
fall herbs (TH)			Suburban/urban development (SU)		/
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
steep >45	E	E	Reinforced - top only		
gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Peached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None		Present		ASSOCIATED FEATURES		
	X		None	Present	None	Present	E (>33%)
Waterfall(s)	X				Marginal deadwater		X
Cascade(s)		X			Exposed bedrock		X
Rapid(s)		X			Exposed boulders		X
Riffle(s)		X			Unvegetated mid-channel bar(s)	X	
Run(s)		X			Vegetated mid-channel bar(s)	X	
Boil(s)	X				Mature island(s)	X	
Glide(s)	X				Unvegetated side bar(s)	X	
Pool(s)	X				Vegetated side bar(s)		X
Ponded reach(es)	X				Discrete silt deposit(s)	X	
					Discrete sand deposit(s)	X	

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12083

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	VP	NO	NO
CHANNEL										
Channel substrate	CO	CO	CO	NV	BE	BE	BE	BE	BE	BE
Flow type	BW	RP	RP	RP	RP	SM	BW	BW	RP	BW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	NO	NO	NO	NO	NO	NO	NO	NO	RO

RIGHT BANK

	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
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	NV	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	B	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	SU	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

	NV	NV	NV	NV	NV	NV	NV	NV	NV
NONE									
Liverworts/mosses/lichens	/	/	/	/	/	/	/	/	/
Emergent broad-leaved herbs	/	/	/	/	/	/	/	/	/
Emergent reeds/sedges/rushes	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)									
Free-floating									
Amphibious	/	/	/	/	/	/	/	/	/
Submerged broad-leaved									
Submerged linear-leaved									
Submerged fine-leaved									
Filamentous algae									

1997 RIVER HABITAT SURVEY page 4 of 4 12083

L CHANNEL DIMENSIONS

	CHANNEL	RIGHT BANK
LEFT BANK		
Banktop height(m)	4.0	Bankfull width (m) 45.0
Banktop = Bankfull?	Y	Banktop = Bankfull? N
Embanked height (m)	0.0	Water depth (m) 0.7
		Embanked height (m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

	Major	Intermediate	Minor	Major	Intermediate	Minor
None						
X Weirs				Revetments		
Sluices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Wood-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	Artificial open water	Bog	Friaging rock-bank
Braided/side channels	Natural open water	Carr	Floating mat
Debris dam	Water meadow	Marsh	Other
Leafy debris	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals:

Other significant observations: Fast large river with mainly bedrock substrate.

Flows through IG fringed with BL.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	167	Slope (m/km)	4	Flow category (1-10)	6
BGS Solid geology code	75	BGS Drift geology code	8	Planform category	2
Distance from source(km)	21.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS - Please check form and tick box if any corrections are needed

Reference site number: 12084

Grid reference: SN 949295 River: USK 167

Date: 12/11 /1997 Time: 12.30 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part Entire

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>
Terraced valley?	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>		

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	3	Unvegetated point bar	0
Pools	0	Vegetated point bar	1

Output created by IFE, Wareham on 29/03/1998

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Badleaf/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)		
Sub (SC)	/		Open water (OW)		
All herbs (TH)			Suburban/urban development (SU)	/	
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	/	/
Toe >45	E	E	Reinforced - top only		
Toe <45			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	-	X	Exposed bedrock	-	X
Rapid(s)	-	X	Exposed boulders	-	X
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	X	-	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	-	X
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

LEFT BANK

Material	BR	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RI	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	VP	VP	NO	NO

CHANNEL

Channel substrate	BE	CO	CO	CO	BE	BE	AV	BO	CO	CO
Flow type	SM	RP	UW	RP	UW	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	RO	RO	NO	NO	NO	NO	RO	NO

RIGHT BANK

Material	BR	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RI	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	VS	NO	NO	NO	NO	NV	NO	VS	VP	

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	SU	SC	SC	SC	IG	IG	IG	IG	BL	BL
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	B	S	S	S	S	S	S	S	C	C
LEFT BANK FACE	B	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	B	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	BL	BL	IG	IG

G CHANNEL VEGETATION TYPES

NONE							NV	NV		
Liverworts/mosses/lichens	/	/	/	/	/				/	/
Emergent broad-leaved herbs										/
Emergent reeds/edges/rushes		/				/			/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious	/	/	/	/	/	/	/	/	/	/
Submerged broad-leaved									/	/
Submerged linear-leaved										
Submerged fine-leaved		/	/	/	/	/	/	/	/	/
Filamentous algae	/	/	/	/	/	/	/	/	/	/

L CHANNEL DIMENSIONS

	CHANNEL		RIGHT BANK		
LEFT BANK					
Banktop height(m)	3.0	Bankfull width (m)	42.0	Banktop height (m)	2.5
Banktop = Bankfull?	N	Water width (m)	20.0	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	0.6	Embanked height (m)	0.0
If trashline lower than break in slope, indicate: height above water(m) = 0.0					
Bed material at site is: consolidated <input type="checkbox"/> unconsolidated <input type="checkbox"/> Unknown <input type="checkbox"/>					
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/>					

M ARTIFICIAL FEATURES

	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	I	
Sluices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None <input checked="" type="checkbox"/>	Dredging <input type="checkbox"/>	Mowing <input type="checkbox"/>	Weed-cutting <input type="checkbox"/>
	Enhancement <input type="checkbox"/>	Other? <input type="checkbox"/>	

O FEATURES OF SPECIAL INTEREST

None <input type="checkbox"/>	Waterfalls >5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Fringing reed-bank <input type="checkbox"/>
	Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Can <input type="checkbox"/>	Floating mat <input type="checkbox"/>
	Debris dam <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	Other <input type="checkbox"/>
	Leafy debris <input checked="" type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
Land Management:
Animals:
Other significant observations:

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	170	Slope (m/km)	4	Flow category (1-10)	6
BGS Solid geology code	75	BGS Drift geology code	8	Planform category	2
Distance from source(km)	20.5	Significant tributary?	Y	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12085

Grid reference: SN 939297 River: USK 169

Date: 13/11 /1997 Time: 12.00 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

<input checked="" type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	3	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Grass/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)	/		Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Arable/maize (MH)			Wetland (eg bog, marsh, fen)(WL)		
Shrub (SC)			Open water (OW)		
Tall herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank		
Step >45	E	E	Reinforced - top only		
Shingle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

Waterfall(s)	None	Present	E	Marginal deadwater	None	Present	E (>33%)
	X	-	-		-	X	-
Cascade(s)	-	X	-	Exposed bedrock	-	-	X
Rapid(s)	-	X	-	Exposed boulders	-	X	-
Riffle(s)	-	X	-	Unvegetated mid-channel bar(s)	X	-	-
Run(s)	-	X	-	Vegetated mid-channel bar(s)	X	-	-
Boil(s)	X	-	-	Mature island(s)	X	-	-
Glide(s)	X	-	-	Unvegetated side bar(s)	-	X	-
Pool(s)	X	-	-	Vegetated side bar(s)	X	-	-
Ponded reach(es)	X	-	-	Discrete silt deposit(s)	-	X	-
				Discrete sand deposit(s)	X	-	-

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

LEFT BANK

Material	EA	EA	BE	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	BE	BE	BE	BE	BE	BE	NV	BE	NV	BE
Flow type	RP	RP	RP	RP	UW	RP	RP	UW	BW	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	RO	NO	RO	RO	NO	NO	NO	RO	RO

RIGHT BANK

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

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	CP	CP	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

NONE										
Liverworts/mosses/lichens	/	/	/	/	/	/	/	/	/	/
Emergent broad-leaved herbs										
Emergent reeds/hedges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae	/	/	/	/	/	/	/	/	/	/

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL		RIGHT BANK		
Banktop height(m)	2.5	Bankfull width (m)	39.0	Banktop height (m)	8.0
Banktop = Bankfull?	Y	Water width (m)	25.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	0.6	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None	Artificial open water	Bog	Fringing reed-bank
Waterfalls >5m high	-	-	-
Braided/side channels	Natural open water	Carr	Floating mat
-	-	-	-
Debris dam	Water meadow	Marsh	Other
-	-	-	-
Leafy debris	Fen	Flush	
X	-	-	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals: KINGFISHER

Other significant observations:

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	175	Slope (m/km)	4	Flow category (1-10)	5
BGS Solid geology code	75	BGS Drift geology code	8	Planform category	2
Distance from source(km)	19.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12086

Grid reference: SN 933295 River: USK 171
 Date: 13/11 /1997 Time: 10.45 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

<input checked="" type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	4	Unvegetated point bar	1
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R	L	R
Badleaf/mixed woodland (BL)			Rough pasture (RP)	
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E E
Orchard (OR)			Tilled land (TL)	
Arable/heath (MH)			Wetland (eg bog, marsh, fen)(WL)	
Sub (SC)			Open water (OW)	
Tall herbs (TH)			Suburban/urban development (SU)	
			Rock and scree (RS)	

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified			Resectioned		
Vertical/undercut			Reinforced - whole bank		
Vertical + toe			Reinforced - top only	E	E
Toe >45			Reinforced - toe only		/
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present	E (>33%)			
				None	Present	E (>33%)
Waterfall(s)		X		Marginal deadwater		X
Cascade(s)	X			Exposed bedrock		X
Rapid(s)		X		Exposed boulders		X
Riffle(s)		X		Unvegetated mid-channel bar(s)	X	
Run(s)		X		Vegetated mid-channel bar(s)	X	
Boil(s)	X			Mature island(s)	X	
Glide(s)	X			Unvegetated side bar(s)		X
Pool(s)	X			Vegetated side bar(s)		X
Ponded reach(es)		X		Discrete silt deposit(s)	X	
				Discrete sand deposit(s)		X

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	BE	EA	EA	EA	EA	BE	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	PB	NO	NO	NO	NO
CHANNEL										
Channel substrate	BO	CO	BE	BE	BE	BE	BE	BE	BE	BE
Flow type	RP	RP	RP	BW	RP	SM	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	RO	RO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	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	VS	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)										
IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
G CHANNEL VEGETATION TYPES										
NONE										
Liverworts/mosses/lichens	/	/	/	/	/	/	/	/	/	/
Emergent broad-leaved herbs	/	/	/	/	/	/	/	/	/	/
Emergent reeds/scirges/rushes	/	/	/	/	/	/	/	/	/	/
Floating-leaved (rooted)	/	/	/	/	/	/	/	/	/	/
Free-floating	/	/	/	/	/	/	/	/	/	/
Amphibious	/	/	/	/	/	/	/	/	/	/
Submerged broad-leaved	/	/	/	/	/	/	/	/	/	/
Submerged linear-leaved	/	/	/	/	/	/	/	/	/	/
Submerged fine-leaved	/	/	/	/	/	/	/	/	/	/
Filamentous algae	/	/	/	/	/	/	/	/	/	/

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	4.0	Bankfull width (m)	36.0	Banktop height (m)	3.0
Banktop = Bankfull?	N	Water width (m)	19.0	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	0.5	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
<input checked="" type="checkbox"/> Weirs				Revetments		
<input type="checkbox"/> Sluices				Outfalls		
<input type="checkbox"/> Culverts				Fords		
<input type="checkbox"/> Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None <input checked="" type="checkbox"/>	Dredging	Mowing	Weed-cutting
	Enhancement	Other?	

O FEATURES OF SPECIAL INTEREST

None	Artificial open water	Bog	Fringing reed-bank
Waterfalls >5m high	Natural open water	Carr	Floating mat
Braided/side channels	Water meadow	Marsh	Other
Debris dam	Fen	Flush	
Leafy debris	X		

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management:
 Animals: BUZZARD
 Other significant observations: Very fast flowing through IG fringed with BL.
 Waterfall at spot-check 8.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	180	Slope (m/km)	4	Flow category (1-10)	5
BGS Solid geology code	75	BGS Drift geology code	0	Planform category	2
Distance from source(km)	18.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12087

Grid reference: SN 925294 River: USK 173

Date: 7/11 /1997 Time: 11.05 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part. Entire

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 4 Unvegetated point bar 1

Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 29/03/1998

LAND USE WITHIN 50m OF BANKTOP

Radical/mixed woodland (BL)	L	R	E	L	R
Coniferous plantation (CP)	/	/	E		
Orchard (OR)			Tilled land (TL)		
Wetland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Open water (OW)			Open water (OW)		
Suburban/urban development (SU)			Suburban/urban development (SU)	/	/
Rock and scree (RS)			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank	/	/
Depth > 45	E	E	Reinforced - top only	/	/
Stable			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (>33%)
Cascade(s)	-	X	Exposed bedrock	-	X
Rapid(s)	-	X	Exposed boulders	-	X
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	-	X
Boil(s)	X	-	Mature island(s)	-	X
Slide(s)	-	X	Unvegetated side bar(s)	-	X
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

LEFT BANK

Material	EA	EA	EA	EA	EA	BR	EA	EA	EA	BE
Bank modification(s)	NO	NO	NO	NO	NO	RI	NO	NO	NO	NO
Bank feature(s)	VS	NO	NO	SB	NO	NO	NO	NO	NO	NO

CHANNEL

Channel substrate	BE	BE	CO	BE	BE	NV	NV	BE	BE	NV
Flow type	UW	BW	BW	RP	RP	SM	SM	RP	SM	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	RO	RO	NO	NO	NO	NO	RO	RO	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	SC	NO	NO	SC	SC	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	SU	SU	IG	IG	BL	BL
LEFT BANK-TOP	S	S	S	S	S	S	S	S	C	C
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	B	B	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	BL	BL	BL	CP	CP	CP	CP	CP	CP

G CHANNEL VEGETATION TYPES

NONE						NV	NV			NV
Liverworts/mosses/lichens	/	/	/	/	/			/	/	/
Emergent broad-leaved herbs					/					/
Emergent reeds/sedges/rushes			/	/	/			/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious	/	/	/	/	/			/	/	/
Submerged broad-leaved								/	/	/
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	3.0	Bankfull width (m)	31.0	Banktop height (m)	3.6
Banktop = Bankfull?	Y	Water width (m)	19.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	0.45	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Stuices				Outfalls	4	
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None				
Waterfalls >5m high	-	Artificial open water	-	Bog
Braided/side channels	-	Natural open water	-	Carr
Debris dam	-	Water meadow	-	Marsh
Leafy debris	X	Fen	-	Flush
				Fringing reed-bank
				Floating mat
				Other

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: SEWAGE

Land Management:

Animals: KINGFISHER HERON

Other significant observations: Fast flowing through Brecon National Park. STW on

both banks with 4 outfalls.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	183	Slope (m/km)	4	Flow category (1-10)	5
BGS Solid geology code	75	BGS Drift geology code	0	Planform category	2
Distance from source(km)	17.5	Significant tributary?	Y	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12088

Grid reference: SN 921288 River: USK 175

Date: 7/11 /1997 Time: 9.15 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C/PREDOMINANT VALLEY FORM

- shallow vee	-	concave/bowl
- deep vee	X	symmetrical
- gorge	-	asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	5	Unvegetated point bar	0
Pools	0	Vegetated point bar	1

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Woodland/mixed woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tilled land (TL)		
Arable/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Sub (SC)			Open water (OW)		
Thall herbs (TH)			Suburban/urban development (SU)	E	/
			Rock and scree (RS)		

BANK PROFILES

Structure/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	/	/	Resectioned	E	/
Vertical + toe	/	/	Reinforced - whole bank		/
Top >45	E	E	Reinforced - top only		
Toe			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	-	X	Exposed bedrock	-	X
Rapid(s)	-	X	Exposed boulders	-	X
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	-	X
Ponded reach(es)	-	X	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	-	X

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	RS	RS	RS	NO	NO	NO
Bank feature(s)	NO	SC	VS	NO	NO	VS	NO	SC	NO	NO

CHANNEL

Channel substrate	BE	CO	CO	CO	CO	CO	CO	NV	CO	P
Flow type	RP	RP	RP	RP	RP	RP	UW	SM	UW	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	RO	NO	RO	NO	RO	NO

RIGHT BANK

Material	BR	BR	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RI	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	VS	NO	NO	NO	VS	VP	VP	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP	B	B	B	S	S	B	B	S	S	U
LEFT BANK FACE	C	C	C	S	S	S	S	S	S	S
RIGHT BANK FACE	B	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	B	B	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

NONE										NV
Liverworts/mosses/lichens	/	/				/	/	/	/	/
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes	/	/	/	/	/			/	/	/
Floating-leaved (rooted)										
Free-floating										
Amphibious	/	/				/	/	/	/	/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae								/	/	/

L CHANNEL DIMENSIONS

LEFT BANK		CHANNEL		RIGHT BANK	
Banktop height(m)	2.3	Bankfull width (m)	35.0	Banktop height (m)	2.7
Banktop = Bankfull?	Y	Water width (m)	23.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	0.3	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 1.5

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	I	
Stuices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	X	Dredging	-	Mowing	-	Weed-cutting	-
		Enhancement	-	Other?	-		

O FEATURES OF SPECIAL INTEREST

None	-	Artificial open water	-	Bog	-	Fringing reed-bank	-
Waterfalls >5m high	-	Natural open water	-	Carr	-	Floating mat	-
Braided/side channels	-	Water meadow	-	Marsh	-	Other	-
Debris dam	-	Fen	-	Flush	-		
Leaky debris	X						

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: TIPPING POLLUTION HOUSING

Land Management: MINISTRY OF DEFENCE

Animals:

Other significant observations: Army camp (motor/fuel store on LB) with drains causing oily film on water.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12090

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	193	Slope (m/km)	5.3	Flow category (1-10)	5
BGS Solid geology code	75	BGS Drift geology code	0	Planform category	2
Distance from source(km)	15.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12090

Grid reference: SN 907290 River: USK 179

Date: 6/11 /1997 Time: 12.25 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part. Entire

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	2	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Ideal/mixed woodland (BL)	/	/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	/	E
Orchard (OR)			Tilled land (TL)		
Wetland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Open water (OW)			Open water (OW)		
Suburban/urban development (SU)			Suburban/urban development (SU)	E	
Rock and scree (RS)			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified			Resectioned		
Vertical/undercut	/	/	Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Toe >45	E	E	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	-	X	Exposed bedrock	-	X
Rapid(s)	-	X	Exposed boulders	-	X
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	-	X	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	BE	EA	EA	EA	EA	EA	BE	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	BE	BE	BE	BE	CO	BE	BE	BE	BE	BE
Flow type	UW	SM	SM	RP	SM	BW	CH	BW	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	NO	NO	RO	NO	RO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	BE	BE	EA	EA	BE	EA	BE	BE	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	SC	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP	B	B	B	B	B	B	B	B	B	B
LEFT BANK FACE	C	C	C	C	C	C	C	C	C	C
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	BL	BL	BL	BL	IG	IG

G CHANNEL VEGETATION TYPES

NONE				NV						
Liverworts/mosses/lichens	/	/	/	/	/	/	/	/	/	/
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious	/	/	/	/	/	/	/	/	/	/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	3.5	Bankfull width (m)	31.0	Banktop height (m)	4.3
Banktop = Bankfull?	Y	Water width (m)	11.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	0.3	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Stuices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank
Braided/side channels	Natural open water	Carr	Flouting mat
Debris dam	Water meadow	Marsh	Other
Leafy debris	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals: DIPPER

Other significant observations: Fast flowing river with many cascades & rapids.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	205	Slope (m/km)	6.7	Flow category (1-10)	4
BGS Solid geology code	75	BGS Drift geology code	9	Planform category	2
Distance from source(km)	13.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12092

Grid reference: SN 893291 River: USK 183

Date: 5/11 /1997 Time: 16.15 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

<input checked="" type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical

Terraced valley? No Yes

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	6	Unvegetated point bar	2
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 25/03/1998

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Badleaf/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)		
Sub (SC)			Open water (OW)		
Turf herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

I BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
Top >45	E	E	Reinforced - top only		
Toe	/	/	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	-
Cascade(s)	-	X	Exposed bedrock	-	X
Rapid(s)	-	X	Exposed boulders	-	X
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	-	X	Unvegetated side bar(s)	-	X
Pool(s)	X	-	Vegetated side bar(s)	-	X
Ponded reaches	-	X	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	-	X

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	PB	SC	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CO	CO	CO	CO	CO	CO	CO	BE	CO	CO
Flow type	UW	CH	RP	SM	UW	CH	SM	SM	RP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	RO	NO	RO	RO	RO
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)	SB	NO	SB	NO	NO	EC	SC	NO	NO	SB

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	IG	IG	IG	IG	IG	IG	IG	RP	RP	RP
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	B	S	B	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)										
	BL	BL	BL	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

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

L CHANNEL DIMENSIONS

	CH	CH	CH	CH	
LEFT BANK					
Banktop height(m)	2.0	Bankfull width (m)	20.5	Banktop height (m)	2.5
Banktop = Bankfull?	Y	Water width (m)	4.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	0.5	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

	None			Major			Intermediate			Minor		
	X											
Weirs							Revetments					
Sluices							Outfalls					
Culverts							Fords					
Bridges							Deflectors					
							Other					

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

N EVIDENCE OF RECENT MANAGEMENT

	None	Dredging	Mowing	Weed-cutting
	X	-	-	-
		Enhancement	Other?	

O FEATURES OF SPECIAL INTEREST

	None	Artificial open water	Bog	Fringing reed-bank
Waterfalls >5m high	-	-	-	-
Braided/side channels	-	Natural open water	X	Carr
Debris dam	-	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 (Others: 1 = nettles, 2 = rhododendrum, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals: BUZZARD

Other significant observations:

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	215	Slope (m/km)	7.7	Flow category (1-10)	4
BGS Solid geology code	75	BGS Drift geology code	9	Planform category	2
Distance from source(km)	12.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

C FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12093

Grid reference: SN 884287 River: USK 185
 Date: 5/11 /1997 Time: 15.00 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

<input checked="" type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	4	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Radial/mixed woodland (BL)	E	/	Rough pasture (RP)	/	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	/	E
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Sub (SC)			Open water (OW)		
Herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
Top >45	E	E	Reinforced - top only		
Toe	/	/	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (>33%)
Cascade(s)	X	-	Exposed bedrock	-	X
Rapid(s)	-	X	Exposed boulders	-	X
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	-	X	Unvegetated side bar(s)	-	X
Pool(s)	X	-	Vegetated side bar(s)	-	X
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	-	X

Spot check 1 is at upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	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	BE	CO	CO	CO	CO	CO	CO	BO	BO
Flow type	SM	CH	SM	SM	BW	RP	UW	RP	SM	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	RO	NO	RO	RO	RO	RO	RO	RO	RO
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

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	IG	IG	IG	BL	BL
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	C	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

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

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	3.0	Bankfull width (m)	17.0	Banktop height (m)	3.0
Banktop = Bankfull?	Y	Water width (m)	9.5	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	0.3	Embanked height (m)	0.0

If trashing lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None <input checked="" type="checkbox"/>	Dredging <input type="checkbox"/>	Mowing <input type="checkbox"/>	Weed-cutting <input type="checkbox"/>
	Enhancement <input type="checkbox"/>	Other? <input type="checkbox"/>	

O FEATURES OF SPECIAL INTEREST

None <input type="checkbox"/>	Waterfalls >5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Fringing reed-bank <input type="checkbox"/>
	Braided/side channels <input type="checkbox"/>	Natural open water <input type="checkbox"/>	Carr <input type="checkbox"/>	Floating mat <input type="checkbox"/>
	Debris dam <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input type="checkbox"/>	Other <input type="checkbox"/>
	Leafy debris <input checked="" type="checkbox"/>	Fen <input type="checkbox"/>	Flush <input type="checkbox"/>	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management:
 Animals:
 Other significant observations: Ants; Myrmica sp. Artificial ester bolt.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	225	Slope (m/km)	7.7	Flow category (1-10)	4
BGS Solid geology code	75	BGS Drift geology code	9	Planform category	2
Distance from source(km)	11.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12094

Grid reference: SN 876282 River: USK 187

Date: 5/11 /1997 Time: 12.00 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

<input checked="" type="checkbox"/>	shallow vee	<input type="checkbox"/>	concave/bowl
<input type="checkbox"/>	deep vee	<input type="checkbox"/>	symmetrical
<input type="checkbox"/>	gorge	<input type="checkbox"/>	asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	3	Unvegetated point bar	2
Pools	0	Vegetated point bar	1

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Badleaf/mixed woodland (BL)	/	/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Arable/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Sub (SC)			Open water (OW)		
Herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/	/	Resectioned		
Vertical + toe			Reinforced - whole bank		
Top >45	E	E	Reinforced - top only		
Toe			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present	E (>33%)	None	Present	E (>33%)
Waterfall(s)	-	X	-	Marginal deadwater	-	X
Cascade(s)	-	X	-	Exposed bedrock	-	X
Rapid(s)	-	X	-	Exposed boulders	-	X
Riffle(s)	-	X	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	-	Vegetated mid-channel bar(s)	-	X
Boil(s)	X	-	-	Mature island(s)	X	-
Slide(s)	-	X	-	Unvegetated side bar(s)	-	X
Pool(s)	X	-	-	Vegetated side bar(s)	X	-
Ponded reach(es)	-	X	-	Discrete silt deposit(s)	X	-
				Discrete sand deposit(s)	-	X

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	EA	BE	EA	BE	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	PB	NO	PB	NO	SB	NO	NO	SB	SB	NO

CHANNEL	CO	CO	CO	CO	BO	BE	CO	CO	CO	CO
Channel substrate	CO	CO	CO	CO	BO	BE	CO	CO	CO	CO
Flow type	SM	SM	SM	RP	RP	NP	SM	RP	RP	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	RO	NO	RO	RO	RO	RO	NO	RO	NO

RIGHT BANK	EA	EA	EA	EA	EA	EA	EA	BE	BE	BE
Material	EA	EA	EA	EA	EA	EA	EA	BE	BE	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	BL	BL	BL	IG	IG	IG	IG	IG
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	BL	BL	IG	IG

G CHANNEL VEGETATION TYPES

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

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	3.0	Bankfull width (m)	18.0	Banktop height (m)	3.0
Banktop = Bankfull?	Y	Water width (m)	6.5	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	0.4	Embanked height (m)	0.0

If trashed lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated Unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	X	Dredging	-	Mowing	-	Weed-cutting	-
		Enhancement	-	Other?	-		

O FEATURES OF SPECIAL INTEREST

None	-	Artificial open water	-	Bog	-	Fringing reed-bank	-
		Natural open water	-	Car	-	Floating mat	-
		Water meadow	-	Marsh	-	Other	-
	X	Fen	-	Flush	-		

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrum, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management:
 Animals: HERON
 Other significant observations: Fast & rocky river with much exposed BE/BI & cascades and rapids. Waterfall

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with columns: Attribute (e.g., Altitude, BGS Solid geology code), Value (e.g., 238, 75), and other codes/numbers.

C FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12096

Grid reference: SN 860278 River: USK 191
Date: 4/11 /1997 Time: 15.20 Surveyor: DS Accred. code: MN59

Adverse conditions? No X Yes
Bed of river visible? No Part Entire X
Duplicate photographs: general character? No Yes X
Surveyed from: Left Right Channel X

C PREDOMINANT VALLEY FORM

Table with columns: Form type (shallow vee, deep vee, gorge), frequency (X), and description (concave/bowl, symmetrical, asymmetrical).

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Table showing counts for Riffles (8), Unvegetated point bar (0), Pools (0), and Vegetated point bar (0).

Output created by IFE, Wareham on 25/03/1998

Spot Check 1 is at: upstream end downstream end X

E PHYSICAL ATTRIBUTES

Table with 10 columns numbered 1 to 10 for physical attributes.

LEFT BANK

Table for Left Bank attributes: Material (EA), Bank modification(s) (NO), Bank feature(s) (NO).

CHANNEL

Table for Channel attributes: Channel substrate (CO), Flow type (UW), Channel modification(s) (NO).

RIGHT BANK

Table for Right Bank attributes: Material (EA), Bank modification(s) (NO), Bank feature(s) (NO).

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table for Banktop Land Use and Vegetation Structure with columns: Land Use (IG), Bank Top (S), Bank Face (S), Bank Top (S), Bank Top (BL).

G CHANNEL VEGETATION TYPES

Table for Channel Vegetation Types: NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, etc.

II LAND USE WITHIN 50m OF BANKTOP

Table for Land Use within 50m of Banktop: Broadleaf/mixed woodland (BL), Coniferous plantation (CP), Orchard (OR), Moorland/heath (MH), Scrub (SC), Tall herbs (TH).

BANK PROFILES

Table for Bank Profiles: Natural/unmodified, Vertical/undercut, Vertical + toe, Steep >45, Gentle, Composite.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table for Extent of Trees and Associated Features: TREES (Left, Right), ASSOCIATED FEATURES (None, Present E >33%).

K EXTENT OF CHANNEL FEATURES

Table for Extent of Channel Features: Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Bait(s), Glide(s), Pool(s), Ponded reach(es).

H LAND USE WITHIN 50m OF BANKTOP

Table for Land Use within 50m of Banktop: Broadleaf/mixed woodland (BL), Coniferous plantation (CP), Orchard (OR), Moorland/heath (MH), Scrub (SC), Tall herbs (TH).

I BANK PROFILES

Table for Bank Profiles: Natural/unmodified, Vertical/undercut, Vertical + toe, Steep >45, Gentle, Composite.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table for Extent of Trees and Associated Features: TREES (Left, Right), ASSOCIATED FEATURES (None, Present E >33%).

K EXTENT OF CHANNEL FEATURES

Table for Extent of Channel Features: Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Bait(s), Glide(s), Pool(s), Ponded reach(es).

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	245	Slope (m/km)	10	Flow category (1-10)	2
BGS Solid geology code	75	BGS Drift geology code	9	Planform category	2
Distance from source(km)	8.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	7

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12097

Grid reference: SN 854283 River: USK 193

Date: 4/11 /1997 Time: 13.50 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input checked="" type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	5	Unvegetated point bar	1
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Radial/mixed woodland (BL)	/		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	/
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Sub (SC)			Open water (OW)		
Herbs (TH)			Suburban/urban development (SU)	E	E
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/	/	Resectioned		
Vertical + toe			Reinforced - whole bank		/
Top >45	E	E	Reinforced - top only		
Shingle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present	E			
				None	Present	E (>33%)
Waterfall(s)	X			Marginal deadwater		
Cascade(s)		X		Exposed bedrock	X	
Rapid(s)		X		Exposed boulders		X
Riffle(s)		X		Unvegetated mid-channel bar(s)	X	
Run(s)			X	Vegetated mid-channel bar(s)	X	
Boil(s)	X			Mature island(s)	X	
Glide(s)		X		Unvegetated side bar(s)		X
Pool(s)	X			Vegetated side bar(s)	X	
Ponded reach(es)		X		Discrete silt deposit(s)	X	
				Discrete sand deposit(s)	X	

Spir check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	BO	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	SC	NO	NO	NO	NO	SB	NO
CHANNEL										
Channel substrate	CO	CO	BO	CO	CO	CO	CO	CO	CO	CO
Flow type	RP	CH	CH	RP	RP	RP	SM	UW	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	RO	RO	RO	RO	RO	NO	RO	RO	RO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	CO	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	RI	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	SB
F BANKTOP LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	B	B	B	B	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	B	B	B	B	B	B	B	B	B	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SU	SU	SU	IG	IG
G CHANNEL VEGETATION TYPES										
NONE										
Liverworts/mosses/lichens	/	/	E	/	/	/	/	/	/	/
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes							/			/
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	1.75	Bankfull width (m)	11.5	Banktop height (m)	1.75
Banktop = Bankfull?	Y	Water width (m)	6.2	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	0.25	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		I
Sluices				Outfalls		
Culverts				Fords		
Bridges	I			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None <input checked="" type="checkbox"/>	Dredging	Mowing	Wood-cutting
	Enhancement	Other?	

O FEATURES OF SPECIAL INTEREST

None	Artificial open water	Bog	Fringing reed-bank
	Natural open water	Carr	Floating mat
	Water meadow	Marsh	Other
	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = maree)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: ROAD

Land Management:

Animals:

Other significant observations: Fast river flowing between 2 roads for most of length. SSSI.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Altitude(m) 260 Slope (m/km) 10 Flow category (1-10) 2
BGS Solid geology code 75 BGS Drift geology code 9 Planform category 2
Distance from source(km) 7.5 Significant tributary? N Navigation? N
Height of source(m) 500 Water Quality class 1.5 RHS Segment type 7
FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
Reference site number: 12098

Grid reference: SN 846287 River: USK 195
Date: 4/11 /1997 Time: 11.05 Surveyor: DS Accred. code: MN59
Adverse conditions? No X Yes
Bed of river visible? No Part. Entire. X
Duplicate photographs: general character? No Yes X
Surveyed from: Left Right Channel X
SERCON survey in addition? No Yes Y
PREDOMINANT VALLEY FORM
shallow vee concave/bowl
X deep vee symmetrical
gorge asymmetrical
Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS
Riffles 6 Unvegetated point bar 1
Pools 0 Vegetated point bar 1
Output created by IFE, Wareham on 29/03/1998

II LAND USE WITHIN 50m OF BANKTOP
Road/leaf/mixed woodland (BL) / E
Coniferous plantation (CP) Improved/semi-improved grass (IG) E /
Orchard (OR) Tilled land (TL)
Woodland/heath (MH) Wetland (eg bog, marsh, fen)(WL)
Grub (SC) Open water (OW)
Tall herbs (TH) / / Suburban/urban development (SU)
Rock and scree (RS)

BANK PROFILES
Natural/unmodified L R Artificial/modified L R
Vertical/unexcavated / / Resectioned
Vertical + toe Reinforced - whole bank /
Vertical + toe >45 E E Reinforced - top only
Vertical + toe Reinforced - toe only
Composite Artificial two-stage
Poached
Embanked
Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES
TREES Left Right ASSOCIATED FEATURES None Present E(>33%)
None - - Shading of channel - X -
Isolated/scattered - - Overhanging boughs - X -
Regularly spaced, single - - Exposed bankside roots - X -
Occasional clumps X - Underwater tree roots - X -
Semi-continuous - X Fallen trees - X -
Continuous - - Coarse woody debris - X -

K EXTENT OF CHANNEL FEATURES
Waterfall(s) None Present E Marginal dead-water None Present E(>33%)
X - - X - -
Cascade(s) - X - Exposed bedrock X - -
Rapid(s) - X - Exposed boulders - - X
Riffle(s) - X - Unvegetated mid-channel bar(s) X - -
Run(s) - - X Vegetated mid-channel bar(s) - X -
Bowl(s) X - - Mature island(s) X - -
Glide(s) - X - Unvegetated side bar(s) - X -
Pool(s) X - - Vegetated side bar(s) - X -
Ponded reach(es) - X - Discrete silt deposit(s) X - -
Discrete sand deposit(s) X - -

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

LEFT BANK
Material EA EA EA EA EA EA EA EA EA EA EA
Bank modification(s) NO NO NO NO NO NO NO NO NO NO NO
Bank feature(s) NO NO NO NO NO NO SB NO NO NO NO
CHANNEL
Channel substrate CO CO CO CO CO CO CO CO CO CO CO
Flow type RP RP SM CH RP CH RP SM RP UW
Channel modification(s) NO NO NO NO NO NO NO NO NO NO NO
Channel feature(s) RO RO NO RO RO RO RO RO NO NO RO
RIGHT BANK
Material EA EA EA EA EA EA EA EA EA EA EA
Bank modification(s) NO NO NO NO NO NO NO NO NO NO NO
Bank feature(s) NO PB SC NO NO NO NO NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE
LAND USE WITHIN 5m OF BANKTOP (L) SC IG IG IG IG BL IG IG IG BL
LEFT BANK-TOP S C S S S S S C S S
LEFT BANK FACE S S S S S S S S S S
RIGHT BANK FACE S B S S S S S S S S
RIGHT BANK-TOP S S S S S S S S S S
LAND USE WITHIN 5m OF BANK TOP (R) IG IG BL BL BL BL BL BL IG IG

G CHANNEL VEGETATION TYPES
NONE
Liverworts/mosses/lichens / / / E E E / / / / E
Emergent broad-leaved herbs / / / / / / / / /
Emergent reeds/edges/rushes / / / / / / / / /
Floating-leaved (rooted)
Free-floating
Amphibious / / / / / / / / /
Submerged broad-leaved
Submerged linear-leaved
Submerged fine-leaved
Filamentous algae / / / / / / / / /

L CHANNEL DIMENSIONS
LEFT BANK CHANNEL RIGHT BANK
Banktop height(m) 1.1 Bankfull width (m) 11.0 Banktop height (m) 1.1
Banktop = Bankfull? Y Water width (m) 6.0 Banktop = Bankfull? Y
Embanked height (m) 0.0 Water depth (m) 0.2 Embanked height (m) 0.0
If trashline lower than break in slope, indicate: height above water(m) = 0.0
Bed material at site is: consolidated unconsolidated Unknown
Location of measurement is: riffle X run or glide other

M ARTIFICIAL FEATURES
None Weirs Major Intermediate Minor Major Intermediate Minor
Shoals Culverts Bridges Other
Revetments Outfalls Fords Deflectors

Is water impounded by weir/dam? No X Yes, <33% of site >33% of site
N EVIDENCE OF RECENT MANAGEMENT
None X Dredging Mowing Weed-cutting
Enhancement Other?

O FEATURES OF SPECIAL INTEREST
None Waterfalls >5m high Artificial open water Bog Fringing reed-bank
Braided/side channels Natural open water Carr Floating mat
Debris dam X Water meadow Marsh Other
Leafy debris X Fea Flush

P CHOKED CHANNEL
Is 33% or more of the channel choked with vegetation? NO X YES

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = ivy)
None X Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)
Major impacts: ROAD
Land Management:
Animals:
Other significant observations: Reports of Mink.

S ALDERS
Alders? None Present Extensive X Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	270	Slope (m/km)	10	Flow category (1-10)	2
BGS Solid geology code	75	BGS Drift geology code	9	Planform category	2
Distance from source(km)	6.5	Significant tributary?	N	Navigation?	N
Height of source(m)	500	Water Quality class	1.5	RHS Segment type	7

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12099

Grid reference: SN 838291 River: USK 197
 Date: 4/11 /1997 Time: 9.30 Surveyor: DS Accred. code: MNS9

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

<input type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl
<input checked="" type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical

Terraced valley? No Yes

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	8	Unvegetated point bar	0
Pools	8	Vegetated point bar	1

Output created by IFE, Wareham on 29/03/1998

H LAND USE WITHIN 50m OF BANKTOP

Woodland/mixed woodland (BL)	/	Rough pasture (RP)	/
Coniferous plantation (CP)		Improved/semi-improved grass (IG)	E
Orchard (OR)		Tilled land (TL)	
Wetland/heath (MH)		Wetland (eg bog, marsh, fen)(WL)	
Open water (OW)	/	Suburban/urban development (SU)	
Herbs (TH)	/	Rock and scree (RS)	

I BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	/	/	Resectioned		
Vertical + toe			Reinforced - whole bank	/	/
Top >45	E	E	Reinforced - top only		
Artificial			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None		Present E		Marginal deadwater	
	X		X		None	Present E (>33%)
Waterfall(s)	X		X			X
Cascade(s)		X			Exposed bedrock	X
Rapid(s)		X			Exposed boulders	X
Riffle(s)		X			Unvegetated mid-channel bar(s)	X
Rus(s)		X			Vegetated mid-channel bar(s)	X
Boil(s)	X				Mature island(s)	X
Glides(s)	X				Unvegetated side bar(s)	X
Pool(s)	X				Vegetated side bar(s)	X
Ponded reach(es)		X			Discrete silt deposit(s)	X
					Discrete sand deposit(s)	X

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
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LEFT BANK

Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	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
Flow type	RP	RP	RP	RP	RP	RP	UW	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	RO	RO	RO	RO	NO	NO	MB	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	VP	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	TH	IG	RP	SC	SC	IG	IG	BL	BL	RP
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	IG	IG	RP	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

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

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	1.1	Bankfull width (m)	11.3	Banktop height (m)	1.2
Banktop + Bankfull?	Y	Water width (m)	4.3	Banktop + Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	0.15	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated Unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs	1			Revetments		1
Sluices				Outfalls		
Culverts				Fords		
Bridges	1			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None <input checked="" type="checkbox"/>	Dredging	Mowing	Weed-cutting
	Enhancement	Other?	

O FEATURES OF SPECIAL INTEREST

None	Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank
	Braided/side channels	Natural open water	Carr	Floating mat
	Debris dam	Water meadow	Marsh	Other
	Leafy debris	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: LITTER
 Land Management:
 Animals:
 Other significant observations: DFS of reservoir. Flows through sheep pasture.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	11	Slope (m/km)	1.2	Flow category (1-10)	4
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	18	Significant tributary?	N	Navigation?	N
Height of source(m)	150	Water Quality class	3	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12100

Grid reference: **ST 389981** River: **OLWAY BROOK 1**

Date: **14/11 /1997** Time: **8.35** Surveyor: **NK** Accred. code: **HD5**

Adverse conditions? No Yes

Bed of river visible? No Part. Entire

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP

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

I BANK PROFILES

	L	R		L	R
Natural/unnmodified			Artificial/modified		
Vertical/undercut	/	/	Resectioned		
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

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)	X		Exposed bedrock		X
Rapid(s)	X		Exposed boulders	X	
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Glide(s)	X		Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end - downstream end X

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

LEFT BANK

Material	CL	CL	CL	CL	CL	CL	CL	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	SC	SC	SC	EC	EC	SC	SC	SC

CHANNEL

Channel substrate	NV	NV	BE	NV	NV	NV	NV	NV	NV	*
Flow type	SM	SM	SM	SM	SM	SM	SM	RP	RP	UW
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	CL	CL	CL	EA	EA	CL	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	EC	SC	EC	SC	SC	SC	SC	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	S	S	S	U	C	C	U	S	U	U
LEFT BANK FACE	C	S	S	C	B	S	B	U	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	U	U	U	S	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

NONE		/	/	/						
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/hedges/rushes	/				/	/	/			/
Floating-leaved (rooted)										
Free-floating										
Amphibious									/	/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

	LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	3.1	Bankfull width (m)	15.0
Banktop = Bankfull?	Y	Water width (m)	14.0
Embanked height (m)	0.0	Water depth (m)	0.0
Embanked height (m)			0.0

If trashing lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown X

Location of measurement is: riffle run or glide X other

M ARTIFICIAL FEATURES

None						
X	Weirs			Revetments	Major	Intermediate
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging Mowing Wood-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None				
Waterfalls >5m high		Artificial open water		Bog
Braided/side channels		Natural open water		Carri
Debris dam		Water meadow		Marsh
Leafy debris	X	Fen		Flush

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam X Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals:

Other significant observations: Formulated on either side.

S ALDERS

Alders? None Present Extensive X Diseased alders? None X Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12101

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 12 Slope (m/km) 1.2 Flow category (1-10) 4
 BGS Solid geology code 75 BGS Drift geology code 5 Planform category 2
 Distance from source(km) 17 Significant tributary? N Navigation? N
 Height of source(m) 150 Water Quality class 3 RHS Segment type 2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12101

Grid reference: ST 391990 River: OLWAY BROOK 3
 Date: 13/11 /1997, Time: 9.45 Surveyor: DC Accred. code: HD4

Adverse conditions? No Yes
 Bed of river visible? No Part Entire
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 deep vee symmetrical
 gorge asymmetrical
 Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 1 Unvegetated point bar 0
 Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Grass/mixed woodland (BL)		/	Rough pasture (RP)		/
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Shrub (SC)	/	/	Open water (OW)		
Tall herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

I BANK PROFILES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
Top >45	E	E	Reinforced - top only		
Little			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached	/	
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E (>33%)		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)	X		Exposed bedrock		X
Rapid(s)	X		Exposed boulders	X	
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)		X
Boil(s)	X		Mature island(s)	X	
Glide(s)			Unvegetated side bar(s)	X	
Pool(s)		X	Vegetated side bar(s)		X
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	EC	EC	SC	SC	EC	SC	SC	SC	EC
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	BW
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)	SC	EC	EC	EC	EC	EC	SC	EC	EC	EC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	IG	SC	IG	SC	IG	SC	RP	IG	IG	IG
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	B
RIGHT BANK FACE	S	S	S	S	S	S	B	S	B	S
RIGHT BANK-TOP	S	S	S	S	S	S	C	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	SC	IG	IG	IG	SC	IG	IG	IG

G CHANNEL VEGETATION TYPES

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

L CHANNEL DIMENSIONS

	CHANNEL	RIGHT BANK
Banktop height(m)	2.7	Banktop height (m) 2.7
Banktop = Bankfull? Y	Bankfull width (m) 9.5	Banktop = Bankfull? Y
Embanked height (m) 0.0	Water width (m) 5.5	Embanked height (m) 0.0
	Water depth (m) *	

If trashing lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls		
Culverts				Fords		
Bridges			1	Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None				
Waterfalls >5m high		Artificial open water		Bog
Braided/side channels		Natural open water		Carr
Debris dam	X	Water meadow		Marsh
Leafy debris	X	Fen		Flush
				Fringing reed-bank
				Floating mat
				Other

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = brambles, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management: AGRICULTURE
 Animals: HERON
 Other significant observations:

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12102

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	15	Slope (m/km)	1.2	Flow category (1-10)	4
BGS Solid geology code	75	BGS Drift geology code	5	Planform category	2
Distance from source(km)	16	Significant tributary?	N	Navigation?	N
Height of source(m)	150	Water Quality class	3	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12102

Grid reference: ST 387998 River: OLWAY BROOK 5

Date: 16/02 /1997 Time: 10.15 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input checked="" type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	1	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 30/03/1998

SITE NO. 12102 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12102

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Grass/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)		
Sub (SC)			Open water (OW)		
Tall herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

I BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank	/	/
Slope >45	E	E	Reinforced - top only		
Stippled			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		E
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E (>33%)		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascades	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffles	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	X	-	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12102

Spot check 1 is at: upstream end - downstream end X

E PHYSICAL ATTRIBUTES

	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)	EM	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	SM	RP	RP	RP	RP	UW	SM	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	EM	EM	EM	EM	EM	EM	EM	NO	NO	NO
Bank feature(s)	NO	EC	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

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

G CHANNEL VEGETATION TYPES

	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 linear-leaved										
Submerged fine-leaved										/
Filamentous algae										

1997 RIVER HABITAT SURVEY page 4 of 4 12102

L CHANNEL DIMENSIONS

	CHANNEL	RIGHT BANK			
Banktop height(m)	3.0	Bankfull width (m)	10.25	Banktop height (m)	3.5
Banktop = Bankfull?	Y	Water width (m)	4.25	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	0.25	Embanked height (m)	0.25

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated X unconsolidated - unknown -

Location of measurement is: riffle X run or glide - other -

M ARTIFICIAL FEATURES

	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		I
Sluices				Outfalls		
Culverts				Fords		
Bridges			I	Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging - Mowing - Weed-cutting -

Enhancement - Other? -

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high - Artificial open water - Bog - Fringing reed-bank -

Braided/side channels - Natural open water - Carr - Floating mat -

Debris dam X Water meadow - Marsh - Other -

Leafy debris - Fen - Flush -

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None - Giant hogweed - Himalayan balsam - Japanese knotweed X Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: OVERDEEPENING

Land Management:

Animals:

Other significant observations:

S ALDERS

Alders? None - Present X Extensive - Diseased alders? None X Present - Extensive -

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with 4 columns: Attribute, Value, Code, Category. Includes Altitude, BGS Solid geology, Distance from source, Height of source.

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12103

Grid reference: SO 382006 River: OLWAY BROOK 7

Date: 16/02/1997 Time: 11.40 Surveyor: JL Accred. code: PF43

Adverse conditions? No X Yes

Bed of river visible? No Part. X Entire

Duplicate photographs: general character? No Yes X

Surveyed from: Left X Right Channel

SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

Table with 2 columns: Form (shallow vee, deep vee, gorge) and Structure (concave/bowl, symmetrical, asymmetrical).

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Table with 4 columns: Feature, Count, Unvegetated point bar, Vegetated point bar.

Output created by IFE, Wareham on 30/03/1998

LAND USE WITHIN 50m OF BANKTOP

Table with 6 columns: Use Type, L, R, Use Type, L, R. Includes Broadleaf/mixed woodland, Coniferous plantation, Orchard, Moorland/heath, Scrub, Tall herbs, Rock and scree.

BANK PROFILES

Table with 6 columns: Profile Type, L, R, Profile Type, L, R. Includes Natural/unmodified, Vertical/undercut, Vertical + toe, Deep >45, Steep >45, Composite, Poached, Embanked, Set-back embankments.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with 6 columns: Trees (None, Isolated/scattered, Regularly spaced, Occasional clumps, Semi-continuous, Continuous) and Associated Features (Shading of channel, Overhanging boughs, Exposed bankside roots, Underwater tree roots, Fallen trees, Coarse woody debris).

K EXTENT OF CHANNEL FEATURES

Table with 6 columns: Feature (Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Boil(s), Glide(s), Pool(s), Ponded reach(es)), None, Present, E, Feature, None, Present, E (>33%).

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

Table with 10 columns: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.

LEFT BANK

Table with 13 columns: Material, Bank modification(s), Bank feature(s). Includes EA, GS, CL, PC(B), EC.

CHANNEL

Table with 13 columns: Channel substrate, Flow type, Channel modification(s), Channel feature(s). Includes P, GP, NV, RP, SM, GP, SM, NV.

RIGHT BANK

Table with 13 columns: Material, Bank modification(s), Bank feature(s). Includes EA, CL, EA, EA, EA, CL, EA, EA.

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with 10 columns: Land use within 5m of banktop (L), Left bank-top, Left bank face, Right bank face, Right bank-top, Land use within 5m of bank top (R). Includes IG, U, B, S.

G CHANNEL VEGETATION TYPES

Table with 13 columns: NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae.

L CHANNEL DIMENSIONS

Table with 5 columns: Left bank, Channel, Right bank. Includes Banktop height, Bankfull width, Water width, Water depth, Banktop height, Embanked height.

If trashline lower than break in slope, indicate: height above water(m) = 0.0
Bed material at site is: consolidated - unconsolidated X unknown

M ARTIFICIAL FEATURES

Table with 8 columns: None, Major, Intermediate, Minor, Major, Intermediate, Minor. Includes Weirs, Sluices, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other.

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging - Mowing - Weed-cutting - Enhancement - Other?

O FEATURES OF SPECIAL INTEREST

Table with 5 columns: None, Waterfalls >5m high, Braided/side channels, Leaky debris. Includes Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Fringing reed-bank, Floating mat, Other.

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS

None X Giant hogweed - Himalayan balsam - Japanese knotweed - Other?

R OVERALL CHARACTERISTICS

Major impacts: OVERDEEPPENING (Comments may have been paraphrased!)

Land Management:

Animals:

Other significant observations:

S ALDERS

Alders? None Present Extensive X Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Altitude(m) 15 Slope (m/km) 1.2 Flow category (1-10) 4
BGS Solid geology code 75 BGS Drift geology code 5 Platform category 2
Distance from source(km) 14 Significant tributary? N Navigation? N
Height of source(m) 150 Water Quality class 3 RHS Segment type 2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
Reference site number: 12104
Grid reference: SO 387012 River: OLWAY BROOK 9
Date: 16/02 /1997 Time: 13.00 Surveyor: DS Accred. code: MN59
Adverse conditions? No X Yes
Bed of river visible? No Part. X Entire
Duplicate photographs: general character? No Yes X
Surveyed from: Left X Right Channel
SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM
shallow vee concave/bowl
deep vee X symmetrical
gorge asymmetrical
Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS
Riffles 1 Unvegetated point bar 0
Pools 0 Vegetated point bar 0
Output created by IFE, Wareham on 30/03/1998

Table with columns L, R for LAND USE WITHIN 50m OF BANKTOP. Rows include Broadleaf/mixed woodland (BL), Coniferous plantation (CP), Orchard (OR), Moorland/heath (MH), Scrub (SC), Tall herbs (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), Rock and scree (RS).

Table with columns L, R for BANK PROFILES. Rows include Natural/unmodified, Vertical/undercut, Vertical + toe, Deep >45, Gentle, Composite, Artificial two-stage, Poached, Embanked, Set-back embankments.

Table with columns Left, Right for TREES and ASSOCIATED FEATURES. Rows include None, Isolated/scattered, Regularly spaced, Occasional clumps, Semi-continuous, Continuous, Shading of channel, Overhanging boughs, Exposed bankside roots, Underwater tree roots, Fallen trees, Coarse woody debris.

Table with columns None, Present E for EXTENT OF CHANNEL FEATURES. Rows include Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Boil(s), Glide(s), Pool(s), Pooled reach(es), 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), Discrete silt deposit(s), Discrete sand deposit(s).

Spot check 1 is at: upstream end - downstream end X

Table with columns 1-10 for PHYSICAL ATTRIBUTES. Rows include LEFT BANK (Material, Bank modification(s), Bank feature(s)), CHANNEL (Channel substrate, Flow type, Channel modification(s), Channel feature(s)), RIGHT BANK (Material, Bank modification(s), Bank feature(s)).

Table with columns IG, SU, B, S, U for BANKTOP LAND USE AND VEGETATION STRUCTURE. Rows include LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, LAND USE WITHIN 5m OF BANK TOP (R).

Table with columns / for CHANNEL VEGETATION TYPES. Rows include NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae.

Table with columns for CHANNEL DIMENSIONS. Rows include LEFT BANK, CHANNEL (Bankfull height(m), Bankfull width(m), Water width(m), Water depth(m)), RIGHT BANK (Banktop height(m), Banktop = Bankfull?, Embanked height(m)).

Table with columns Major, Intermediate, Minor for ARTIFICIAL FEATURES. Rows include Weirs, Sluices, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other.

Table with columns for EVIDENCE OF RECENT MANAGEMENT. Rows include None X, Dredging, Mowing, Weed-cutting, Enhancement, Other?

Table with columns for FEATURES OF SPECIAL INTEREST. Rows include None X, Waterfalls >5m high, Braided/side channels, Debris dam, Leafy debris, Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Fringing reed-bank, Floating mat, Other.

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = bramble, + more)
None X Giant hogweed Himalayan balsam Japanese knotweed Other?

Table with columns for OVERALL CHARACTERISTICS (Comments may have been paraphrased!). Rows include Major impacts: OVERDEEPENING, Land management, Animals, Other significant observations.

S ALDERS
Alders? None Present X Extensive Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with 4 columns: Attribute, Value, Attribute, Value. Includes Altitude, Slope, Flow category, BGS Solid geology code, BGS Drift geology code, Planform category, Distance from source, Significant tributary, Navigation, Height of source, Water Quality class, RHS Segment type.

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12105

Grid reference: SO 395012 River: OLWAY BROOK 11

Date: 16/02 /1997 Time: 14.45 Surveyor: JL Accred. code: PF43

Adverse conditions? No X Yes

Bed of river visible? No Part X Entire

Duplicate photographs: general character? No Yes X

Surveyed from: Left X Right Channel

SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

Table with 2 columns: Description, Frequency. Includes shallow vee, concave/bowl, deep vee, symmetrical, gorge, asymmetrical.

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Table with 2 columns: Feature, Count. Includes Riffles (3), Unvegetated point bar (1), Pools (0), Vegetated point bar (1).

Output created by IFE, Wareham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP

Table with 6 columns: Code, L, R, Code, L, R. Includes Broadleaf/mixed woodland, Rough pasture, Coniferous plantation, Improved/semi-improved grass, Orchard, Tilled land, Overland/heath, Wetland, Scrub, Open water, Tall herbs, Suburban/urban development, Rock and scree.

BANK PROFILES

Table with 6 columns: Profile, L, R, Profile, L, R. Includes Natural/unmodified, Resectioned, Vertical undercut, Reinforced-whole bank, Vertical + toe, Reinforced-top only, Deep >45, Reinforced-toe only, Gentle, Artificial two-stage, Composite, Poached, Embanked, Set-back embankments.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with 4 columns: TREES, Left, Right, ASSOCIATED FEATURES, None, Present E (>33%). Includes Shading of channel, Overhanging boughs, Regularly spaced, single, Exposed bankside roots, Occasional clumps, Underwater tree roots, Semi-continuous, Fallen trees, Continuous, Coarse woody debris.

K EXTENT OF CHANNEL FEATURES

Table with 6 columns: Feature, None, Present E, Feature, None, Present E (>33%). Includes Waterfall(s), Marginal deadwater, Cascade(s), Exposed bedrock, Rapid(s), Exposed boulders, Riffle(s), Unvegetated mid-channel bar(s), Run(s), Vegetated mid-channel bar(s), Boil(s), Mature island(s), Glide(s), Unvegetated side bar(s), Pool(s), Vegetated side bar(s), Pondered reach(es), Discrete silt deposit(s), Discrete sand deposit(s).

Spot check 1 is at: upstream end downstream end X

E PHYSICAL ATTRIBUTES

Table with 10 columns (1-10) and rows for LEFT BANK, CHANNEL, RIGHT BANK. Attributes include Material, Bank modification(s), Bank feature(s), Channel substrate, Flow type, Channel modification(s), Channel feature(s).

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with 10 columns (1-10) and rows for LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, LAND USE WITHIN 5m OF BANK TOP (R).

G CHANNEL VEGETATION TYPES

Table with 10 columns (1-10) and rows for NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae.

L CHANNEL DIMENSIONS

Table with 5 columns: Attribute, Value, Attribute, Value, Attribute, Value. Includes LEFT BANK, CHANNEL, RIGHT BANK. Attributes include Banktop height, Bankfull width, Banktop height, Bankfull width, Banktop = Bankfull?, Water width, Banktop = Bankfull?, Embanked height, Water depth, Embanked height.

If traseline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated X unconsolidated unknown

Location of measurement is: riffle X run or glide other

M ARTIFICIAL FEATURES

Table with 7 columns: None, Major, Intermediate, Minor, Major, Intermediate, Minor. Includes Weirs, Sluices, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other.

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

N EVIDENCE OF RECENT MANAGEMENT

Table with 4 columns: None X, Dredging, Mowing, Wood-cutting, Enhancement, Other?

O FEATURES OF SPECIAL INTEREST

Table with 4 columns: None X, Waterfalls >5m high, Artificial open water, Bog, Fringing reed-bank, Braided/side channels, Natural open water, Carr, Floating mat, Debris dam, Water meadow, Marsh, Other, Leafy debris, Fen, Flush.

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrum, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = more)

None X Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Table with 2 columns: Major impacts: OVERDEPENDING, Land Management, Animals: DUCK, Other significant observations:

S ALDERS

Alders? None Present Extensive X Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with 4 columns: Attribute, Value, Attribute, Value. Includes Altitude(m) 17, Slope (m/km) 1.2, Flow category (1-10) 4, etc.

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Grid reference: SO 401017 River: OLWAY BROOK 13

Date: 16/02 /1997 Time: 9.00 Surveyor: JL Accred. code: PF43

Adverse conditions? No X Yes

Bed of river visible? No Part X Entire

Duplicate photographs: general character? No Yes X

Surveyed from: Left X Right Channel

SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

Table with 4 columns: Description, Category, Status, Description. Includes shallow vee, deep vee, gorge, terraced valley?

NUMBER OF RIFFLES, POOLS AND POINT BARS

Table with 4 columns: Riffls, Unvegetated point bar, Pools, Vegetated point bar

Output created by IFE, Warrham on 30/03/1998

LAND USE WITHIN 50m OF BANKTOP

Table with 6 columns: Description, L, R, Description, L, R. Includes broadleaf/mixed woodland (BL), Coniferous plantation (CP), etc.

BANK PROFILES

Table with 6 columns: Profile Name, L, R, Profile Name, L, R. Includes Natural/unmodified, Vertical/undercut, etc.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with 6 columns: Trees (None, Isolated, etc.), Left, Right, Associated Features (Shading, etc.), None, Present

K EXTENT OF CHANNEL FEATURES

Table with 6 columns: Waterfall(s), Cascade(s), etc., None, Present, Associated Features, None, Present

Spot check 1 is at: upstream end - downstream end X

E PHYSICAL ATTRIBUTES

Table with 11 columns: 1-10, LEFT BANK (Material, Bank modification, etc.), CHANNEL (Channel substrate, Flow type, etc.), RIGHT BANK (Material, Bank modification, etc.)

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with 11 columns: LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES

Table with 11 columns: NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae

I CHANNEL DIMENSIONS

Table with 4 columns: LEFT BANK, CHANNEL, RIGHT BANK, Banktop height (m), Bankfull width (m), Water width (m), Water depth (m), etc.

If trashing lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated - unconsolidated Xunknown -

Location of measurement is: riffle X run or glide - other -

M ARTIFICIAL FEATURES

Table with 7 columns: None, Major, Intermediate, Minor, Major, Intermediate, Minor. Includes Weirs, Sluices, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other

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

N EVIDENCE OF RECENT MANAGEMENT

Table with 4 columns: None X, Dredging, Mowing, Weed-cutting, Enhancement, Other?

O FEATURES OF SPECIAL INTEREST

Table with 4 columns: None X, Waterfalls >5m high, Braided/side channels, Debris dam, Leafy debris, Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Fringing reed-bank, Floating mat, Other

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettle, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None X Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Table with 2 columns: Major impacts: OVERDEEPCENING, Land Management, Animals, Other significant observations: In erasional phase of recovery

S ALDERS

Alders? None - Present X Extensive - Diseased alders? None X Present - Extensive -

1997 RIVER HABITAT SURVEY page 1 of 4 12107

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	19	Slope (m/km)	1.2	Flow category (1-10)	4
BGS Solid geology code	75	BGS Drift geology code	5	Platform category	2
Distance from source(km)	11.5	Significant tributary?	N	Navigation?	N
Height of source(m)	150	Water Quality class	2	RHS Segment type	2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12107

Grid reference: SO 407021 River: OLWAY BROOK 15

Date: 15/02 /1997 Time: 16.05 Surveyor: DS Accred. code: MN59

Adverse conditions? No X Yes

Bed of river visible? No Part X Entire

Duplicate photographs: general character? No Yes X

Surveyed from: Left X Right Channel

SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

shallow vee		concave/bowl	
deep vee	X	symmetrical	
gorge		asymmetrical	

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	3	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 30/03/1998

SITE NO. 12107 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12107

H LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E		Resectioned		
Vertical + toe			Reinforced - whole bank	/	/
Steep >45	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite	/		Artificial two-stage		
			Poached		
			Embanked	E	
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)	X		Exposed boulders	X	
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Glide(s)	X		Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)	X	
Flooded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12107

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	CC	EA	EA	EA	EA	BR
Bank modification(s)	NO	NO	NO	NO	RS RI	EM	EM	EM	EM	RI EM
Bank feature(s)	NO	NO	EC	NO	NO	NO	NO	EC	EC	NO
CHANNEL										
Channel substrate	P	NV	CO	NV	NV	NV	NV	P	NV	P
Flow type	RP	RP	SM	RP	RP	UW	RP	RP	SM	UW
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	CC	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	RS RI	NO	NO	NO	NO	NO
Bank feature(s)	NO	EC	NO	NO	NO	EC	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	1	2	3	4	5	6	7	8	9	10
LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	SU	IG	IG	IG	IG	IG
LEFT BANK-TOP	U	U	U	U	B	U	U	U	U	U
LEFT BANK FACE	S	S	B	S	B	B	B	B	B	S
RIGHT BANK FACE	S	B	S	S	B	S	S	S	S	S
RIGHT BANK-TOP	U	U	U	U	B	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	SU	RP	RP	RP	RP	TH

G CHANNEL VEGETATION TYPES

	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 linear-leaved										
Submerged fine-leaved									/	/
Filamentous algae										

1997 RIVER HABITAT SURVEY page 4 of 4 12107

L CHANNEL DIMENSIONS

	CHANNEL	RIGHT BANK
Banktop height(m)	3.25	Banktop height (m) 3.0
Bankfull width (m)	10.5	Banktop = Bankfull? *
Water width (m)	3.0	Banktop = Bankfull? *
Water depth (m)	0.25	Embanked height (m) 0.0

If trashing lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated X unconsolidated unknown

Location of measurement is: riffle X run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		1
Sluices				Outfalls		
Culverts				Fords		
Bridges	2			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None X

Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank
Braided/side channels	Natural open water	Carr	Floating mat
Debris dam	Water meadow	Marsh	Other
Leafy debris	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettle, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None X Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: ROAD OVERDEEPPENING

Land Management:

Animals:

Other significant observations:

S ALDERS

Alders? None Present X Extensive Discarded alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 20 Slope (m/km) 1.8 Flow category (1-10) 4
 BGS Solid geology code 75 BGS Drift geology code 5 Platform category 2
 Distance from source(km) 11 Significant tributary? Y Navigation? N
 Height of source(m) 150 Water Quality class 2 RHS Segment type 2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12108

Grid reference: SO 409027 River: OLWAY BROOK 17
 Date: 15/02 /1997 Time: 14.30 Surveyor: JL Accred. code: PF43

Adverse conditions? No X Yes
 Bed of river visible? No Part X Entire
 Duplicate photographs: general character? No Yes X
 Surveyed from: Left X Right Channel
 SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

shallow vee - concave/bowl
 deep vee - X symmetrical
 gorge - asymmetrical

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 4 Unvegetated point bar 0
 Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 30/03/1998

Spot check 1 is at: upstream end - downstream end X

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	CL	CL	CL	CL	CL	CL	CL	CL	CL
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	EC	NO	SC	NO
CHANNEL										
Channel substrate	P	P	P	P	P	P	NV	CO	NV	NV
Flow type	UW	RP	SM	SM	RP	RP	SM	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	BR	BR	BR	CL	CL	CL	CL	BR	CL	CL
Bank modification(s)	RI	RI	RI	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	EC	NO	SC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE	B	B	B	S	U	U	B	S	U	B
RIGHT BANK FACE	B	B	B	U	B	S	B	B	U	U
RIGHT BANK-TOP	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

G CHANNEL VEGETATION TYPES

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

LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Reinforced		
Vertical + toe	/	/	Reinforced - whole bank		/
Top >45	E	E	Reinforced - top only		
Composite			Reinforced - toe only		
			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (>33%)
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffles	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	-	X	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

I. CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	Bankfull width (m)	Banktop height (m)
3.5	16.0	2.75
Banktop = Bankfull ?	Water width (m)	Banktop = Bankfull ?
N	7.75	Y
Embanked height (m)	Water depth (m)	Embanked height (m)
0.0	0.2	0.0

If trashline lower than break in slope, indicate: height above water(m) = 2.2
 Bed material at site is: consolidated X unconsolidated unknown
 Location of measurement is: riffle X run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None	Artificial open water	Bog	Fringing reed-bank
Waterfalls >5m high	Natural open water X	Carr	Floating mat
Braided/side channels	Water meadow	Marsh	Other
Debris dam	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = brambles, 6 = sycamore)

None X Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased)

Major impacts: OVERDEEPPING
 Land Management:
 Animals: DIPPER
 Other significant observations: Channel overdeepened all length.

S ALDERS

Alders? None Present X Extensive Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with 4 columns: Attribute, Value 1, Value 2, Value 3. Includes rows for Altitude, BGS Solid geology, Distance from source, Height of source, etc.

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Grid reference: SO 44288 River: HONDDU I
Date: 12/11 /1997 Time: 15.20 Surveyor: CS Accred. code: HD2

Adverse conditions? No [X] Yes
Bed of river visible? No Part [X] Entire
Duplicate photographs: general character? No Yes [X]
Surveyed from: Left [X] Right Channel [X]
SERCON survey in addition? No Yes [Y]

C PREDOMINANT VALLEY FORM

Table with 4 columns: Valley form, Shallow/deep, etc. Rows include shallow vee, deep vee, gorge, etc.

Terraced valley? No [X] Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Table with 4 columns: Riffles, Unvegetated point bar, Pools, Vegetated point bar.

Output created by IFE, Wareham on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP

Table with 6 columns: Land use type, L, R, L, R. Includes Broadleaf/mixed woodland, Coniferous plantation, Orchard, etc.

BANK PROFILES

Table with 6 columns: Bank profile type, L, R, Artificial/modified, L, R. Includes Natural/modified, Vertical/undercut, etc.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with 6 columns: Trees, Left, Right, Associated features, None, Present E (>33%). Includes Shading of channel, Overhanging boughs, etc.

K EXTENT OF CHANNEL FEATURES

Table with 8 columns: Channel feature, None, Present E, Marginal deadwater, None, Present E (>33%). Includes Waterfall(s), Cascade(s), Rapid(s), etc.

Spot check 1 is at: upstream end [X] downstream end

E PHYSICAL ATTRIBUTES

Table with 11 columns for physical attributes: Left bank material, channel substrate, flow type, right bank material, etc.

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with 11 columns for banktop structure: Land use within 5m of banktop, Left bank-top, Left bank-face, etc.

G CHANNEL VEGETATION TYPES

Table with 11 columns for channel vegetation: None, Liverworts/mosses/lichens, Emergent broad-leaved herbs, etc.

I CHANNEL DIMENSIONS

Table with 4 columns: Channel dimension, value, Channel dimension, value. Includes Banktop height, Banktop = Bankfull?, etc.

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated - unconsolidated - Unknown

Location of measurement is: riffle [X] run or glide - other

M ARTIFICIAL FEATURES

Table with 7 columns: Artificial feature, Major, Intermediate, Minor, Major, Intermediate, Minor. Includes Weirs (2), Sluices, Culverts, Bridges, etc.

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

N EVIDENCE OF RECENT MANAGEMENT

Table with 4 columns: Management type, status. Includes Dredging, Mowing, Weed-cutting, Enhancement, Other?

O FEATURES OF SPECIAL INTEREST

Table with 4 columns: Feature, status, Feature, status. Includes Waterfalls >5m high, Branded/side channels, Debris dam, etc.

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrum, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = moss)

None Giant hogweed Himalayan balsam Japanese knotweed [X] Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: ROAD HOUSING
Land Management:
Animals:
Other significant observations:

S ALDERS

Alders? None Present [X] Extensive Discarded alders? None [X] Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with 4 columns: Parameter, Value, Parameter, Value. Includes Altitude, BGS Solid geology, Distance from source, Height of source.

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12111

Grid reference: SO 49295 River: HONDDUJ Date: 12/11/1997 Time: 14.20 Surveyor: ZR Accred. code: HDI

Adverse conditions? No X Yes
Bed of river visible? No Part X Entire
Duplicate photographs: general character? No Yes X
Surveyed from: Left Right X Channel X
SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

Table with 4 columns: Feature, Value, Feature, Value. Includes shallow vee, deep vee, gorge, terraced valley.

NUMBER OF RIFFLES, POOLS AND POINT BARS

Table with 4 columns: Feature, Count, Feature, Count. Includes Riffles, Unvegetated point bar, Pools, Vegetated point bar.

Output created by IFE, Wareham on 30/03/1998

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

Table with 11 columns (1-10) for physical attributes.

Table for LEFT BANK with columns: Material, Bank modification(s), Bank feature(s). Values: EA, NO, NO, etc.

Table for CHANNEL with columns: Channel substrate, Flow type, Channel modification(s), Channel feature(s). Values: BE, NV, BW, RP, etc.

Table for RIGHT BANK with columns: Material, Bank modification(s), Bank feature(s). Values: EA, NO, SC, NO, etc.

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with 11 columns for land use and vegetation structure. Includes categories like SU, IG, S, BL.

G CHANNEL VEGETATION TYPES

Table with 11 columns for channel vegetation types. Includes categories like NONE, Liverworts, Emergent reeds, etc.

I LAND USE WITHIN 50m OF BANKTOP

Table with 6 columns for land use within 50m of banktop. Includes Broadleaf/mixed woodland, Coniferous plantation, etc.

BANK PROFILES

Table with 6 columns for bank profiles. Includes Natural/unmodified, Vertical/undercut, etc.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with 6 columns for trees and associated features. Includes TRES and ASSOCIATED FEATURES.

K EXTENT OF CHANNEL FEATURES

Table with 6 columns for extent of channel features. Includes Waterfall(s), Cascade(s), Rapid(s), etc.

L CHANNEL DIMENSIONS

Table with 5 columns for channel dimensions. Includes LEFT BANK, CHANNEL, RIGHT BANK.

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated Xunknown

Location of measurement is: riffle X run or glide other

M ARTIFICIAL FEATURES

Table with 7 columns for artificial features. Includes Weirs, Sluices, Culverts, Bridges, etc.

Is water impounded by weirs/dam? No X Yes. <33% of site >33% of site

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging Mowing Weed-cutting Enhancement Other?

O FEATURES OF SPECIAL INTEREST

Table with 6 columns for features of special interest. Includes Waterfalls >5m high, Artificial open water, etc.

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettle, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None X Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: Land Management: Animals: HERON Other significant observations:

S ALDERS

Alders? None Present X Extensive Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 155 Slope (m/km) 8.3 Flow category (1-10) 4
 BGS Solid geology code 75 BGS Drift geology code 9 Platform category 2
 Distance from source(km) 19.5 Significant tributary? N Navigation? N
 Height of source(m) 415 Water Quality class I RHS Segment type 6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12112

Grid reference: SO 48304 River: HONDDU S
 Date: 12/11 /1997 Time: 12.55 Surveyor: CS Accred. code: HD2

Adverse conditions? No Yes -
 Bed of river visible? No - Part. Entire. -
 Duplicate photographs: general character? No - Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No - Yes Y

C PREDOMINANT VALLEY FORM

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

Terraced valley? No Yes -

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 8 Unvegetated point bar 1
 Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Bradical/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)		
Crub (SC)			Open water (OW)		
Tall herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

	L	R		L	R
Natural/unmodified	/	/	Artificial/modified		
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank		
deep >45	E	E	Reinforced - top only		
Embankment			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES Left Right **ASSOCIATED FEATURES** None Present E (>33%)
 None - - Shading of channel - X
 Isolated/scattered - - Overhanging boughs - X
 Regularly spaced, single - - Exposed bankside roots - X
 Occasional clumps - - Underwater tree roots - X
 Semi-continuous - - Fallen trees - X
 Continuous Coarse woody debris - X

K EXTENT OF CHANNEL FEATURES

	None	Present	E (>33%)		None	Present	E (>33%)
Waterfall(s)	-	<input checked="" type="checkbox"/>	-	Marginal deadwater	-	<input checked="" type="checkbox"/>	-
Cascade(s)	-	<input checked="" type="checkbox"/>	-	Exposed bedrock	-	<input checked="" type="checkbox"/>	-
Rapid(s)	-	<input checked="" type="checkbox"/>	-	Exposed boulders	-	<input checked="" type="checkbox"/>	-
Riffle(s)	-	-	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	X	-	-
Run(s)	-	-	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	X	-	-
Boil(s)	X	-	-	Mature island(s)	-	<input checked="" type="checkbox"/>	-
Slide(s)	-	<input checked="" type="checkbox"/>	-	Unvegetated side bar(s)	-	<input checked="" type="checkbox"/>	-
Pool(s)	X	-	-	Vegetated side bar(s)	X	-	-
Ponded reach(es)	X	-	-	Discrete silt deposit(s)	X	-	-
				Discrete sand deposit(s)	-	<input checked="" type="checkbox"/>	-

Spot check 1 is at: upstream end downstream end -

E PHYSICAL ATTRIBUTES

Channel substrate: CO CO BO BE BE BE BE BE CO BE
 Flow type: RP RP BW RP UW RP RP RP UW UW
 Channel modification(s): NO NO NO NO NO NO NO NO NO NO
 Channel feature(s): RO MI MI NO RO RO 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 SB EC SC NO SC NO NO SC NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	BL	IG	IG	IG	IG	IG	IG	IG	IG	IG
LAND USE WITHIN 5m OF BANKTOP (L)	BL	IG	IG	IG	IG	IG	IG	IG	IG	IG
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	C	C	S	C	C	C
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	C	C
LAND USE WITHIN 5m OF BANK TOP (R)	IG	IG	IG	IG	IG	IG	IG	BL	BL	BL

G CHANNEL VEGETATION TYPES

NONE	/	NV	NV	/	/	/	/	/	/
Liverworts/mosses/lichens	/		/	/	/	/	/	/	/
Emergent broad-leaved herbs									
Emergent reeds/sedges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									/
Submerged broad-leaved									
Submerged linear-leaved									
Submerged fine-leaved									
Filamentous algae									

L CHANNEL DIMENSIONS

	CHANEL	RIGHT BANK
Banktop height(m)	1.5	Bankfull width (m) 12.75
Banktop = Bankfull?	N	Banktop = Bankfull? Y
Water width (m)	9.25	Banktop = Bankfull? Y
Water depth (m)	0.45	Embankment height (m)
Embankment height (m)	0.0	Embankment height (m)
If triline lower than break in slope, indicate: height above water(m) = 0.0		
Bed material at site is: consolidated - unconsolidated - X unknown -		
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide - other -		

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
<input checked="" type="checkbox"/>	Weirs			Revetments		
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges			Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging - Mowing - Weed-cutting -
 Enhancement - Other? -

O FEATURES OF SPECIAL INTEREST

None -
 Waterfalls >5m high - Artificial open water - Bog - Fringing reed-bank -
 Braided/side channels - Natural open water - Carr - Floating mat -
 Debris dam - Water meadow - Marsh - Other -
 Leafy debris Fen - Flush -

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = brackles, 4 = ground elder, 5 = brambles, + more)

None Giant hogweed - Himalayan balsam - Japanese knotweed - Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management:
 Animals: DIPPER
 Other significant observations:

S ALDERS

Alders? None - Present Extensive - Diseased alders? None Present - Extensive -

1997 RIVER HABITAT SURVEY page 1 of 4 12116

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	195	Slope (m/km)	5	Flow category (1-10)	3
BGS Solid geology code	75	BGS Drift geology code	0	Platform category	2
Distance from source(km)	15.5	Significant tributary?	N	Navigation?	N
Height of source(m)	415	Water Quality class	3	RHS Segment type	6

FIELD SURVEY DETAILS. Please check form and tick box if any corrections are needed

Reference site number: 12116

Grid reference: SO 37329 River: HONDDU 13

Date: 11/11/1997 Time: 14.00 Surveyor: CS Accred. code: HD2

Adverse conditions? No Yes

Bed of river visible? No Part Entire

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	concave/bowl
deep vee	symmetrical
gorge	asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	6	Unvegetated point bar	0
Pools	0	Vegetated point bar	2

Output created by IFE, Wareham on 30/03/1998

SITE NO. 12116 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12116

I LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank	/	
steep >45	E	E	Reinforced - top only		
heavily			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		/
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (>33%)
Cascade(s)	-	X	Exposed bedrock	-	X
Rapid(s)	-	X	Exposed boulders	-	X
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	-	X
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	-	X
Glide(s)	-	X	Unvegetated side bar(s)	-	X
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	-	X	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	-	X

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12116

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	EA	EA	EA	BE	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	VP	NO	NO	NO	NO	NO	NO	SC	NO
CHANNEL										
Channel substrate	CO	P	NV	BE	BE	BE	BE	BE	BE	BE
Flow type	RP	RP	RP	UW	UW	SM	CH	RP	RP	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	RO	NO	NO	MI	NO	NO	RO
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	PC	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	VP

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	IG	IG	IG	BL	BL	BL	IG
LEFT BANK-TOP	S	S	S	S	S	S	S	C	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	C	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	SC	IG	IG	IG	BL	BL	RP	RP	RP

G CHANNEL VEGETATION TYPES

NONE			NV			NV	/	NV		NV
Liverworts/mosses/lichens	/		/	/		/		/		/
Emergent broad-leaved herbs										
Emergent reeds/scotches/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious	/		/							/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

1997 RIVER HABITAT SURVEY page 4 of 4 12116

I. CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	Bankfull width (m)	Banktop height (m)
20.0	19.5	1.5
Banktop = Bankfull?	Water width (m)	Banktop = Bankfull?
N	9.5	Y
Embanked height (m)	Water depth (m)	Embanked height (m)
0.0	0.4	0.0

If traseline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs	1			Revetments		1
Sluices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None					
Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank		
Braided/side channels	Natural open water	Carr	Floating mat		
Debris dam	Water meadow	Marsh	Other		
Leafy debris	Fen	Flush			

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = brambles, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other? P7 P3

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals: GREY WAGTAIL

Other significant observations:

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Altitude(m) 215 Slope (m/km) 10 Flow category (1-10) 3
BGS Solid geology code 75 BGS Drift geology code 0 Planform category 2
Distance from source(km) 12.5 Significant tributary? N Navigation? N
Height of source(m) 415 Water Quality class 3 RHS Segment type 6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12119
Grid reference: SO 32353 River: HONDDU 19
Date: 1/11/1997 Time: 9.15 Surveyor: ZR Accred. code: HDI
Adverse conditions? No X Yes
Bed of river visible? No Part. X Entire
Duplicate photographs: general character? No Yes X
Surveyed from: Left X Right X Channel X
SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

- shallow vee - concave/bowl
- deep vee - symmetrical
- gorge X asymmetrical
Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 7 Unvegetated point bar 2
Pools 0 Vegetated point bar 2

Output created by IFE, Wareham on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP

Codeless/mixed woodland (BL) / / Rough pasture (RP) / /
Coniferous plantation (CP) Improved/semi-improved grass (IG) / E
Orchard (OR) Tilled land (TL)
Moorland/heath (MH) Wetland (eg bog, marsh, fen)(WL)
Shrub (SC) Open water (OW)
Tall herbs (TH) Suburban/urban development (SU)
Rock and scree (RS)

BANK PROFILES

Natural/unmodified L R Artificial/modified L R
Vertical/undercut / / Resectioned
Vertical + toe / / Reinforced - whole bank
Top >45 / / Reinforced - top only
Grass/stone Reinforced - toe only
Composite Artificial two-stage
Poached / /
Embanked
Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES

TREES Left Right ASSOCIATED FEATURES None Present E (>33%)
None - - Shading of channel - X
Isolate/scattered - - Overhanging boughs - X
Regularly spaced, single - - Exposed bankside roots - X
Occasional clumps - - Underwater tree roots - X
Semi-continuous - X Fallen trees X
Continuous X - Coarse woody debris X

K EXTENT OF CHANNEL FEATURES

Waterfall(s) None Present E Marginal deadwater None Present E (>33%)
Cascade(s) X - Exposed bedrock X -
Rapid(s) - X Exposed boulders X -
Riffle(s) - - X Unvegetated mid-channel bar(s) - -
Run(s) - - X Vegetated mid-channel bar(s) - X
Bottle(s) X - Mature island(s) - X
Slide(s) - - X Unvegetated side bar(s) X -
Pool(s) X - Vegetated side bar(s) - X
Ponded reach(es) X - Discrete silt deposit(s) X -
Discrete sand deposit(s) - X

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

LEFT BANK Material EA EA EA EA EA EA EA EA EA EA
Bank modification(s) NO NO NO PC NO NO NO NO NO NO
Bank feature(s) NO NO NO NO NO EC NO VS NO PB

CHANNEL

Channel substrate CO CO CO G G CO CO P CO GP
Flow type RP UW RP UW RP RP SM RP RP RP
Channel modification(s) NO NO NO NO NO NO NO NO NO NO
Channel feature(s) NO NO NO NO NO NO NO NO NO NO

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 SC SC NO NO PB NO NO NO EC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L) IG IG RP RP RP IG RP RP BL IG
LEFT BANK-TOP S S S S S C S S S S
LEFT BANK FACE S S S S S S S S S S
RIGHT BANK FACE S S S S S S S S S S
RIGHT BANK-TOP S S S S S S S S S S
LAND USE WITHIN 5m OF BANK TOP (R) RP RP IG IG IG IG IG IG IG IG

G CHANNEL VEGETATION TYPES

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

L CHANNEL DIMENSIONS

LEFT BANK CHANNEL RIGHT BANK
Banktop height(m) 1.35 Bankfull width (m) 9.0 Banktop height (m) 1.35
Banktop = Bankfull? Y Water width (m) 8.0 Banktop = Bankfull? Y
Embanked height (m) 0.0 Water depth (m) 0.25 Embanked height (m) 0.0
If trashing lower than break in slope, indicate: height above water(m) = 0.0
Bed material at site is: consolidated unconsolidated Unknown
Location of measurement is: riffle X run or glide other

M ARTIFICIAL FEATURES

None Major Intermediate Minor Major Intermediate Minor
X Weirs Outfalls
Stilts Outfalls
Culverts Fords
Bridges Deflectors
Other

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging Mowing Weed-cutting
Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None Waterfalls >5m high Artificial open water Bog Fringing reed-bank
Braided/side channels Natural open water Carr Floating mat
Debris dam Water meadow Marsh Other
Leafy debris X Fen Flush

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None X Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
Land Management:
Animals:
Other significant observations:

S ALDERS

Alders? None Present X Extensive Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Altitude(m) 240 Slope (m/km) 4.5 Flow category (1-10) 2
BGS Solid geology code 75 BGS Drift geology code 0 Planform category 3
Distance from source(km) 6 Significant tributary? N Navigation? N
Height of source(m) 510 Water Quality class 1 RHS Segment type 7

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
Reference site number: 12121

Grid reference: SN 927236 River: SENNI 2
Date: 11/11 /1997 Time: 10.35 Surveyor: DS Accred. code: MNS9
Adverse conditions? No X Yes
Bed of river visible? No Part. Entire X
Duplicate photographs: general character? No Yes X
Surveyed from: Left X Right X Channel X
SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM
X shallow vee - concave/bowl
deep vee - symmetrical
gorge - asymmetrical
Terraced valley? No Yes X

NUMBER OF RIFFLES, POOLS AND POINT BARS
Riffles 4 Unvegetated point bar 3
Pools 6 Vegetated point bar 0

Output created by IFE, Wareham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP
Broadleaf/mixed woodland (BL) / / Rough pasture (RP) E E
Coniferous plantation (CP) Improved/semi-improved grass (IG) E E
Orchard (OR) Tilled land (TL)
Woodland/heath (MH) Wetland (eg bog, marsh, fen)(WL)
Shrub (SC) Open water (OW)
Tall herbs (TH) / Suburban/urban development (SU) /
Rock and scree (RS)

I BANK PROFILES
Natural/unmodified L R Artificial/modified L R
Vertical/undercut / / Resectioned
Vertical + toe / / Reinforced - whole bank /
Deep >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
TREES Left Right ASSOCIATED FEATURES None Present E (>33%)
None - - Shading of channel - X
Isolated/scattered - - Overhanging boughs - X
Regularly spaced, single - - Exposed bankside roots - X
Occasional clumps - - Underwater tree roots - X
Semi-continuous X X Fallen trees - X
Continuous - - Coarse woody debris - X

K EXTENT OF CHANNEL FEATURES
Waterfall(s) X - Marginal deadwater - X
Cascade(s) X - Exposed bedrock X
Rapid(s) X - Exposed boulders X
Riffle(s) X - Unvegetated mid-channel bar(s) X
Run(s) X - Vegetated mid-channel bar(s) X
Boil(s) X - Mature island(s) X
Glide(s) X - Unvegetated side bar(s) X
Pool(s) X - Vegetated side bar(s) X
Ponded reach(es) X - Discrete silt deposit(s) X
Discrete sand deposit(s) X

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES
LEFT 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

CHANNEL
Channel substrate CO CO CO CO CO CO CO CO CO CO
Flow type RP RP RP SM RP RP RP RP RP RP UW
Channel modification(s) NO NO NO NO NO NO NO NO NO NO
Channel feature(s) MI NO NO NO NO NO NO NO NO RO

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 EC SC PB NO NO NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE
LAND USE WITHIN 5m OF BANKTOP (L) IG RP RP IG IG IG IG IG IG IG
LEFT BANK-TOP S S S S S S S S S S
LEFT BANK FACE S S S S S S S S S S
RIGHT BANK FACE S S B S S S S S S S
RIGHT BANK-TOP S S S S S S S S S S
LAND USE WITHIN 5m OF BANK TOP (R) IG BL RP SC RP RP IG BL SC IG

G CHANNEL VEGETATION TYPES
NONE
Liverworts/mosses/lichens E / / E / / / / / E /
Emergent broad-leaved herbs / / / / / / / / / /
Emergent reeds/sedges/rushes
Floating-leaved (rooted)
Free-floating
Amphibious / / / / / / / / / /
Submerged broad-leaved / / / / / / / / / /
Submerged linear-leaved
Submerged fine-leaved E / / / / / / / / / /
Filamentous algae

L CHANNEL DIMENSIONS
LEFT BANK CHANNEL RIGHT BANK
Banktop height(m) 1.6 Bankfull width (m) 11.0 Banktop height (m) 1.2
Banktop = Bankfull? N Water width (m) 8.0 Banktop = Bankfull? Y
Embanked height (m) 0.0 Water depth (m) 0.2 Embanked height (m) 0.0
If trashline lower than break in slope, indicate: height above water(m) = 0.0
Bed material at site is: consolidated - unconsolidated X unknown -
Location of measurement is: riffle X run or glide - other -

M ARTIFICIAL FEATURES
None Major Intermediate Minor Major Intermediate Minor
Weirs Revetments
Sluices Outfalls
Culverts Fords
Bridges Deflectors
Other

N EVIDENCE OF RECENT MANAGEMENT
None X Dredging - Mowing - Wood-cutting -
Enhancement - Other? -

O FEATURES OF SPECIAL INTEREST
None X
Waterfalls >5m high - Artificial open water - Bog - Fringing reed-bank -
Braided/side channels - Natural open water - Carr - Floating mat -
Debris dam - Water meadow - Marsh - Other -
Leafy debris - Fen - Flush -

P CHOKED CHANNEL
Is 33% or more of the channel choked with vegetation? NO X YES

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = reeds)
None X Giant hogweed - Himalayan balsam - Japanese knotweed - Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)
Major impacts: HOUSING
Land Management:
Animals:
Other significant observations:

S ALDERS
Alders? None - Present - Extensive X Diseased alders? None X Present - Extensive -

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Table with columns for Altitude, Slope, Flow category, BGS Solid geology code, BGS Drift geology code, Planform category, Distance from source, Significant tributary, Navigation, Height of source, Water Quality class, RHS Segment type.

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
Reference site number: 12126

Grid reference: SN 930270 River: SENNI 7
Date: 11/11 /1997 Time: 16.00 Surveyor: DS Accred. code: MN59
Adverse conditions? No X Yes
Bed of river visible? No Part. X Entire.
Duplicate photographs: general character? No Yes X
Surveyed from: Left X Right Channel X
SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM
Table with columns for valley form types: shallow vee, concave/bowl, deep vee, symmetrical, gorge, asymmetrical.

D NUMBER OF RIFFLES, POOLS AND POINT BARS
Table with columns for Riffles, Unvegetated point bar, Pools, Vegetated point bar.

Output created by IFE, Warcham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP
Table with columns for L, R, L, R and rows for Broadleaf/mixed woodland, Coniferous plantation, Orchard, Farmland/heath, Scrub, Tall herbs, Rock and scree.

I BANK PROFILES
Table with columns for L, R, L, R and rows for Natural/unmodified, Vertical/undercut, Vertical + toe, Gentle, Composite, Poached, Embanked, Set-back embankments.

J EXTENT OF TREES AND ASSOCIATED FEATURES
Table with columns for Left, Right, None, Present, E (>33%) and rows for Trees (None, Isolated, Regularly spaced, Occasional clumps, Semi-continuous, Continuous) and Associated Features (Shading, Overhanging boughs, Exposed roots, Underwater roots, Fallen trees, Coarse woody debris).

K EXTENT OF CHANNEL FEATURES
Table with columns for None, Present, E (>33%) and rows for Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Boil(s), Glide(s), Pool(s), Pondered reach(es), 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), Discrete silt deposit(s), Discrete sand deposit(s).

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES
Table with columns 1-10 and rows for LEFT BANK (Material, Bank modification, Bank feature), CHANNEL (Channel substrate, Flow type, Channel modification, Channel feature), RIGHT BANK (Material, Bank modification, Bank feature).

F BANKTOP LAND USE AND VEGETATION STRUCTURE
Table with columns for land use types (IG, SU, TH) and rows for Land use within 5m of banktop (L, R) and Land use within 5m of bank top (R).

G CHANNEL VEGETATION TYPES
Table with columns for vegetation types and rows for None, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae.

L CHANNEL DIMENSIONS
Table with columns for LEFT BANK, CHANNEL, RIGHT BANK and rows for Banktop height, Banktop = Bankfull?, Embanked height, Water width, Water depth, Embanked height.

M ARTIFICIAL FEATURES
Table with columns for Major, Intermediate, Minor and rows for Weirs, Sluices, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other.

N EVIDENCE OF RECENT MANAGEMENT
Table with columns for Dredging, Mowing, Weed-cutting, Enhancement, Other?

O FEATURES OF SPECIAL INTEREST
Table with columns for Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Fringing reed-bank, Floating mat, Other.

P CHOKED CHANNEL
Is 33% or more of the channel choked with vegetation? NO X YES

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)
None X Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)
Major impacts: HOUSING
Land Management:
Animals:
Other significant observations:

S ALDERS
Alders? None Present X Extensive Disordered alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with 4 columns: Attribute, Value, Unit/Code, Category. Includes Altitude, BGS Solid geology, Distance from source, Height of source, etc.

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12127

Grid reference: SN 924277 River: SENNI 8 Date: 12/11/1997 Time: 9.30 Surveyor: DS Accred. code: MN59

Adverse conditions? No X Yes

Bed of river visible? No Part Entire X

Duplicate photographs: general character? No Yes X

Surveyed from: Left Right X Channel X

SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

Table with 2 columns: Form type, Status. Includes shallow vee, deep vee, gorge, terraced valley.

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Table with 2 columns: Feature, Count. Includes Riffles, Unvegetated point bar, Pools, Vegetated point bar.

Output created by IFE, Wareham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP

Table with 6 columns: Land use, L, R, Land use, L, R. Includes Broadleaf/mixed woodland, Coniferous plantation, Orchard, Moorland/heath, Scrub, Tall herbs, Rock and scree.

I BANK PROFILES

Table with 6 columns: Profile type, L, R, Profile description, L, R. Includes Natural/unmodified, Vertical/undercut, Vertical + toe, Deep >45, Gentle, Composite, Poached, Embanked, Set-back embankments.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with 6 columns: Trees (Left, Right), Associated Features (None, Present E (>33%)). Includes None, Isolated/scattered, Regularly spaced, etc.

K EXTENT OF CHANNEL FEATURES

Table with 6 columns: Channel feature, None, Present E (>33%), Channel feature, None, Present E (>33%). Includes Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Boil(s), Glide(s), Pool(s), Ponded reach(es), 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), Discrete silt deposit(s), Discrete sand deposit(s).

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

Table with 11 columns: 1-10

LEFT BANK

Table with 11 columns: Material, Bank modification(s), Bank feature(s)

CHANNEL

Table with 11 columns: Channel substrate, Flow type, Channel modification(s), Channel feature(s)

RIGHT BANK

Table with 11 columns: Material, Bank modification(s), Bank feature(s)

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with 12 columns: Land use within 5m of banktop (L), Left bank-top, Left bank face, Right bank face, Right bank-top, Land use within 5m of bank top (R)

G CHANNEL VEGETATION TYPES

Table with 12 columns: None, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/edges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae

L CHANNEL DIMENSIONS

Table with 5 columns: Left bank, Channel, Right bank. Includes Banktop height, Banktop = Bankfull?, Embanked height, Bed material at site, Location of measurement

M ARTIFICIAL FEATURES

Table with 9 columns: Weirs, Sloices, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other

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

N EVIDENCE OF RECENT MANAGEMENT

Table with 4 columns: Dredging, Mowing, Weed-cutting, Enhancement, Other?

O FEATURES OF SPECIAL INTEREST

Table with 5 columns: Waterfalls >5m high, Braided/side channels, Debris dam, Leafy debris, Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Fringing reed-bank, Floating mat, Other

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

Table with 4 columns: Giant hogweed, Himalayan balsam, Japanese knotweed, Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Table with 3 columns: Major impacts, Land Management, Animals, Other significant observations

S ALDERS

Table with 4 columns: Alders? None, Present X, Extensive, Diseased alders? None X, Present, Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12128
A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Altitude(m) 190 Slope (m/km) 7 Flow category (1-10) 4
BGS Solid geology code 75 BGS Drift geology code 0 Planform category 2
Distance from source(km) 13 Significant tributary? N Navigation? N
Height of source(m) 510 Water Quality class I RHS Segment type 6
FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Grid reference: SN 921284 River: SENNI 9
Date: 13/11/1997 Time: 8.45 Surveyor: DS Accred. code: MN59
Adverse conditions? No X Yes
Bed of river visible? No Part. Entire. X
Duplicate photographs: general character? No Yes X
Surveyed from: Left Right Channel X
SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM
shallow vee concave/bowl
deep vee X symmetrical
gully asymmetrical
Terraced valley? No X Yes
NUMBER OF RIFFLS, POOLS AND POINT BARS
Riffls 4 Unvegetated point bar 1
Pools 0 Vegetated point bar 1
Output created by IFE, Wareham on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP
Table with columns L, R and categories: broadleaf/mixed woodland (BL), Coniferous plantation (CP), Orchard (OR), Moorland/heath (MH), Scrub (SC), Tall herbs (TH), Rock and scree (RS)

BANK PROFILES
Table with columns L, R and categories: Natural/unmodified, Vertical/undercut, Vertical + toe, Steep >45, Gentle, Composite, Poached, Embanked, Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES
TREES: None, Isolated/scattered, Regularly spaced, single, Occasional clumps, Semi-continuous, Continuous
ASSOCIATED FEATURES: Shading of channel, Overhanging boughs, Exposed bankside roots, Underwater tree roots, Fallen trees, Coarse woody debris

K EXTENT OF CHANNEL FEATURES
Table with columns None, Present E (>33%), and categories: Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Boil(s), Glide(s), Pool(s), Ponded reaches, 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), Discrete silt deposit(s), Discrete sand deposit(s)

E PHYSICAL ATTRIBUTES
1 2 3 4 5 6 7 8 9 10

LEFT BANK
Material: BR, BE, EA
Bank modification(s): RS, RI, NO
Bank feature(s): VS, NO, NO, NO, NO, NO, NO, NO, NO

CHANNEL
Channel substrate: BE, SE, BE, BE, BE, BE, BE, BE, CO, CO
Flow type: UW, RP, RP, BW, UW, RP, BW, SM, RP, UW
Channel modification(s): NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
Channel feature(s): RO, NO, NO, NO, NO, NO, RO, NO, RO, RO

RIGHT BANK
Material: BR, BE, EA, EA, BW, EA, EA, EA, BR, EA
Bank modification(s): RS, RI, NO, NO, NO, RI, NO, NO, NO, RS, RI, NO
Bank feature(s): VS, NO, NO, VP, NO, NO, NO, SC, NO, NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L): SU, SU, IG, IG, IG, BL, BL, IG, IG, IG
LEFT BANK-TOP: S, B, S, S, S, S, S, S, S, S
LEFT BANK FACE: S, B, B, S, S, S, S, S, S, S
RIGHT BANK FACE: S, S, S, S, S, S, S, S, S, S
RIGHT BANK-TOP: S, S, B, B, B, S, S, S, S, S
LAND USE WITHIN 5m OF BANK TOP (R): SU, SU, SU, SU, SU, BL, IG, IG, SU, SU

G CHANNEL VEGETATION TYPES

Table with categories: NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae

L CHANNEL DIMENSIONS

LEFT BANK, CHANNEL, RIGHT BANK
Banktop height(m) 1.4 Bankfull width (m) 16.0 Banktop height (m) 1.4
Banktop = Bankfull? Y Water width (m) 12.0 Banktop = Bankfull? N
Embanked height (m) 0.0 Water depth (m) 0.6 Embanked height (m) 0.0
If trashing lower than break in slope, indicate: height above water(m) = 0.0
Bed material at site is: consolidated X unconsolidated unknown
Location of measurement is: riffle run or glide X other

M ARTIFICIAL FEATURES

None, Major, Intermediate, Minor, Major, Intermediate, Minor
Weirs, Stakes, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging Mowing Weed-cutting Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None, Waterfalls >5m high, Braided/side channels, Debris dam, Leafy debris, Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Fringing reed-bank, Floating mat, Other

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other? P11

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: TIPPING RAIL HOUSING
Land Management:
Animals: HERON
Other significant observations:

S ALDERS

Alders? None Present X Extensive Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with columns for Altitude, Slope, Flow category, BGS Solid geology code, BGS Drift geology code, Platform category, Distance from source, Significant tributary, Navigation, Height of source, Water Quality class, RHS Segment type.

C FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12133

Grid reference: SD 179230 River: RIDANGOLI 9 Date: 5/12 /1997 Time: 12.20 Surveyor: DS Accred. code: MN59

Table with adverse conditions, bed of river visible, duplicate photographs, surveyed from, SERCON survey in addition.

C PREDOMINANT VALLEY FORM

Table with shallow vee, deep vee, gorge, terraced valley.

NUMBER OF RIFFLES, POOLS AND POINT BARS

Table with Riffls, Unvegetated point bar, Pools, Vegetated point bar.

Output created by IFE, Wareham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP

Table with Land use types: Broadleaf/mixed woodland, Coniferous plantation, Orchard, Farmland/heath, Scrub, Tall herbs, Rock and scree.

BANK PROFILES

Table with Bank profiles: Vertical/unmodified, Vertical/undercut, Vertical + toe, Composite, Poached, Embanked, Set-back embankments.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with Trees (None, Isolated, Regularly spaced, Occasional clumps, Semi-continuous, Continuous) and Associated features (Shading, Overhanging boughs, Exposed bankside roots, Underwater tree roots, Fallen trees, Coarse woody debris).

K EXTENT OF CHANNEL FEATURES

Table with Channel features: Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Boll(s), Glide(s), Pool(s), Pooled reaches(s).

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

Table with Physical Attributes: LEFT BANK (Material, Bank modification, Bank feature), CHANNEL (Channel substrate, Flow type, Channel modification, Channel feature), RIGHT BANK (Material, Bank modification, Bank feature).

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with Banktop Land Use and Vegetation Structure: LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, LAND USE WITHIN 5m OF BANK TOP (R).

G CHANNEL VEGETATION TYPES

Table with Channel Vegetation Types: NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae.

L CHANNEL DIMENSIONS

Table with Channel Dimensions: LEFT BANK, CHANNEL, RIGHT BANK. Includes Banktop height, Banktop = Bankfull?, Embanked height, Water width, Water depth, Embanked height.

M ARTIFICIAL FEATURES

Table with Artificial Features: Weirs, Stivces, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other.

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

N EVIDENCE OF RECENT MANAGEMENT

Table with Evidence of Recent Management: None X, Dredging, Mowing, Weed-cutting, Enhancement, Other?

O FEATURES OF SPECIAL INTEREST

Table with Features of Special Interest: None X, Waterfalls >5m high, Braided/side channels, Debris dam, Leafy debris, Artificial open water, Natural open water, Water meadow, Fca, Bog, Carr, Marsh, Fringing reed-bank, Floating mat, Other.

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None X Giant hogweed - Himalayan balsam - Japanese knotweed - Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: Land Management: Animals: Other significant observations:

S ALDERS Alders? None - Present X Extensive - Diseased alders? None X Present - Extensive -

1997 RIVER HABITAT SURVEY page 1 of 4 12135

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	15	Slope (m/km)	1.8	Flow category (1-10)	7
BGS Solid geology code	90	BGS Drift geology code	5	Planform category	2
Distance from source(km)	55.5	Significant tributary?	N	Navigation?	N
Height of source(m)	590	Water Quality class	1.5	RHS Segment type	1

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12135

Grid reference: ST 154784 River: TAFF 4

Date: 14/02/1997 Time: 11.00 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part Entire

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input checked="" type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	3	Unvegetated point bar	1
Pools	0	Vegetated point bar	0

Output created by LFE, Wareham on 30/03/1998

SITE NO. 12135 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12135

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Woodland/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 (TH)			Suburban/urban development (SU)	E	E
			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe	/		Reinforced - whole bank	/	
Deep >45	E	E	Reinforced - top only		
Embankment			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments	E	E

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

Waterfall(s)	None Present E	Marginal deadwater	None Present E (>33%)
Cascade(s)	X -	Exposed bedrock	X -
Rapid(s)	X -	Exposed boulders	X -
Riffle(s)	- - X	Unvegetated mid-channel bar(s)	- - X
Run(s)	- X -	Vegetated mid-channel bar(s)	X - -
Boil(s)	X - -	Mature island(s)	X - -
Slide(s)	- X -	Unvegetated side bar(s)	X - -
Pool(s)	X - -	Vegetated side bar(s)	X - -
Ponded reach(es)	X - -	Discrete silt deposit(s)	X - -
		Discrete sand deposit(s)	X - -

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12135

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

LEFT BANK

Material	EA	EA	EA	EA	EA	BR	EA	BR	BR	EA
Bank modification(s)	NO	NO	NO	NO	NO	RS RI	NO	RS RI	RS RI	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	SC	NO	NO	EC

CHANNEL

Channel substrate	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	UW	UW	UW	RP	RP	RP	RP	SM	SM	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	MB	MB	MB	MB	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	NV	NO	NO	NO	PB	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE	S	S	S	S	S	B	S	B	B	B
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	U	U	U	U	U	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	BL	SU	SU	SU	SU	SU	BL	BL	BL

G CHANNEL VEGETATION TYPES

NONE	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV
Liverworts/mosses/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										/ /
Filamentous algae										

1997 RIVER HABITAT SURVEY page 4 of 4 12135

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	Bank full width (m)	Banktop height (m)
4.0	40.0	3.5
Banktop = Bankfull? N	Water width (m)	Banktop = Bankfull? Y
	30.0	
Embanked height (m)	Water depth (m)	Embanked height (m)
0.0	*	0.0

If trashline lower than break in slope, indicate: height above water(m) = 2.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	I	
Sluices				Outfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank
Braided/side channels	Natural open water	Carr	Floating mat
Debris dam	Water meadow	Marsh	Other
Leafy debris	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: LITTER

Land Management: PARKLAND

Animals:

Other significant observations:

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with columns for Altitude(m), BGS Solid geology code, Distance from source(km), Height of source(m), Slope (m/km), BGS Drift geology code, Significant tributary?, Water Quality class, Flow category (1-10), Platform category, Navigation?, and RHS Segment type.

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12137

Grid reference: ST 138804 River: TAFF 10 Date: 14/02 /1997 Time: 12.15 Surveyor: DS Accred. code: MN59

Adverse conditions? No X Yes - Bed of river visible? No Part. X Entire. Duplicate photographs: general character? No Yes X Surveyed from: Left X Right Channel SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

Table with columns for shallow vee, deep vee, gorge, concave/bowl, symmetrical, asymmetrical.

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Table with columns for Riffles (2), Unvegetated point bar (2), Pools (0), Vegetated point bar (0).

Output created by IFE, Wareham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP

Table with columns for Land Use (L, R) and Banktop (L, R). Categories include woodland/mixed woodland (BL), Coniferous plantation (CP), Orchard (OR), Moorland/heath (MH), Scrub (SC), Tall herbs (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), Rock and scree (RS).

BANK PROFILES

Table with columns for Bank Profile (L, R) and Artificial/modified (L, R). Categories include Natural/unmodified, Vertical/undercut, Vertical + toe, Deep >45, Profile, Composite, Poached, Embanked, Set-back embankments.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with columns for Trees (None, Left, Right) and Associated Features (Shading of channel, Overhanging boughs, Exposed bankside roots, Underwater tree roots, Fallen trees, Coarse woody debris).

K EXTENT OF CHANNEL FEATURES

Table with columns for Channel Features (None, Present, E) and Associated Features (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), Discrete silt deposit(s), Discrete sand deposit(s)).

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

Table with columns 1-10 for Left Bank and Right Bank. Categories include Material, Bank modification(s), Bank feature(s).

CHANNEL

Table with columns for Channel Substrate, Flow type, Channel modification(s), Channel feature(s).

RIGHT BANK

Table with columns for Material, Bank modification(s), Bank feature(s).

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with columns for Land Use Within 5m of Banktop (L) and (R). Categories include TH, BL, SU, SC, IG.

G CHANNEL VEGETATION TYPES

Table with columns for various vegetation types: NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/hedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae.

L CHANNEL DIMENSIONS

Table with columns for Left Bank, Channel, Right Bank. Categories include Banktop height(m), Banktop = Bankfull?, Embanked height (m), Water depth (m), Bankfull width (m), Water width (m), Embanked height (m), height above water(m), Bed material at site is: consolidated, unconsolidated, unknown X, Location of measurement is: riffle X run or glide other.

M ARTIFICIAL FEATURES

Table with columns for Major, Intermediate, Minor, Major, Intermediate, Minor. Categories include Weirs, Sluices, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other.

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

N EVIDENCE OF RECENT MANAGEMENT

Table with columns for Dredging, Mowing, Weed-cutting, Enhancement, Other?

O FEATURES OF SPECIAL INTEREST

Table with columns for Waterfalls >5m high, Braided/side channels, Debris dam, Leafy debris, Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Fringing reed-bank, Floating mat, Other.

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = brambles, + more)

None Giant hogweed Himalayan balsam Japanese knotweed X Other

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: ROAD HOUSING Land Management: Animals: GREY WAGTAIL Other significant observations:

S ALDERS

Alders? None Present X Extensive Diseased alders? None X Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12139

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 30 Slope (m/km) 3 Flow category (1-10) 7
 BGS Solid geology code 80 BGS Drift geology code 5 Planform category 2
 Distance from source(km) 50.3 Significant tributary? N Navigation? N
 Height of source(m) 590 Water Quality class 1.5 RHS Segment type 2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12139

Grid reference: ST 127824 River: TAFF 16

Date: 15/02 /1997 Time: 11.15 Surveyor: JL Accred. code: PF43

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 deep vee symmetrical
 gorge asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 3 Unvegetated point bar 0
 Pools 0 Vegetated point bar 1

Output created by IFE, Wareham on 30/03/1998

SITE NO. 12139 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12139

II LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	E	E
steep >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

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E (>33%)
None	-	-	Shading of channel	-	X
Isolated/scattered	-	-	Overhanging boughs	X	-
Regularly spaced, single	-	-	Exposed bankside roots	X	-
Occasional clumps	-	-	Underwater tree roots	X	-
Semi-continuous	X	X	Fallen trees	X	-
Continuous	-	-	* Coarse woody debris	X	-

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	X	-
Rapid(s)	X	-	Exposed boulders	X	-
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Slide(s)	-	X	Unvegetated side bar(s)	-	X
Pool(s)	X	-	Vegetated side bar(s)	-	X
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12139

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	CC	BR	BR	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RI	RI	RI	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	VS	VS	VP	SB	SB	PB	VS
CHANNEL										
Channel substrate	NV	NV	NV	CO	CO	CO	CO	CO	CO	CO
Flow type	SM	SM	SM	SM	UW	UW	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	CC	EA	EA	EA	EA	RR	CC	BR	BR	BR
Bank modification(s)	RI	RS	RS	RS	RS	RI	RI	RI	RI	RI
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	SU	SU	SC	TH	TH	TH	TH	TH	TH	SC
LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SC	TH	TH	TH	TH	TH	TH	SC
LEFT BANK-TOP	B	B	U	U	U	U	U	U	U	S
LEFT BANK FACE	B	B	U	U	U	U	S	S	S	U
RIGHT BANK FACE	B	U	S	S	U	S	S	U	U	U
RIGHT BANK-TOP	B	B	B	B	B	B	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SU	SC	OW	OW	BL

G CHANNEL VEGETATION TYPES

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

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I. CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m) 4.5	Bankfull width (m) 46.0	Banktop height (m) 6.0
Banktop = Bankfull? Y	Water width (m) 20.0	Banktop = Bankfull? N
Embanked height (m) 0.0	Water depth (m) 0.5	Embanked height (m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 2.5

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	1	
Sluices				Outfalls		
Culverts				Fords		
Bridges	2	1		Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	Artificial open water	X	Bog	Fringing reed-bank
Braided/side channels	Natural open water		Carr	Floating mat
Debris dam	Water meadow		Marsh	Other
Leafy debris	Fen		Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = more)

None Giant hogweed Himalayan balsam Japanese knotweed E Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: LITTER ROAD RAIL

Land Management:

Animals: YELLOW WAGTAIL

Other significant observations: Interesting silt revetment with AG water behind.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12141

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 40 Slope (m/km) 1.7 Flow category (1-10) 7
 BGS Solid geology code 82 BGS Drift geology code 5 Planform category 2
 Distance from source(km) 48 Significant tributary? N Navigation? N
 Height of source(m) 590 Water Quality class 1.5 RHS Segment type 2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12141

Grid reference: ST 118852 River: TAFF 22
 Date: 15/02 /1997 Time: 9.20 Surveyor: JL Accred. code: PF43

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 deep vee X symmetrical
 gorge asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 2 Unvegetated point bar 0
 Pools 0 Vegetated point bar 2

Output created by IFE, Wareham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP

	L	R	L	R
roadleak/mixed woodland (BL)	E			
Coniferous plantation (CP)				E
Orchard (OR)				
moorland/heath (MH)				
scrub (SC)	/	/		
Tall herbs (TH)		/		

I BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	E	/
deep >45	E	E	Reinforced - top only		
gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		/
			Embanked		
			Set-back embankments	E	

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)	X		Exposed boulders	X	
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Glide(s)		X	Unvegetated side bar(s)		X
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reaches	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	RR	RR	RR	RR	RR	RR	RR	RR	CC	CC
Bank modification(s)	RI	RI	RI	RI	RI	RI	RI	RI	RJ	RJ
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	NV	NV	CO	CO	CO	CO	CO	CO	NV	CO
Flow type	SM	SM	SM	UW	RP	RP	RP	SM	SM	UW
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	RR	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RS	RS	RS	RI	NO	NO	NO	PC	NO	NO
Bank feature(s)	NO	NO	NO	NO	VS	SB	NO	SB	NO	VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	IG	SU	SU	SU	SU	IG	BL	BL	BL	BL
LAND USE WITHIN 5m OF BANKTOP (L)	IG	SU	SU	SU	SU	IG	BL	BL	BL	BL
LEFT BANK-TOP	U	U	U	U	B	U	S	S	S	S
LEFT BANK FACE	B	U	U	U	U	U	B	B	B	S
RIGHT BANK FACE	U	U	U	S	U	U	U	U	U	U
RIGHT BANK-TOP	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

G CHANNEL VEGETATION TYPES

NONE										
Liverworts/mosses/lichens			/	/	/	/	/	/	/	/
Emergent broad-leaved herbs										
Emergent reeds/hedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved			/	/	/	/	/	/	/	/
Filamentous algae	/	/	/	/	/	/	/	/	/	/

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m) 3.0	Bankfull width (m) 41.5	Banktop height (m) 3.5
Banktop = Bankfull? N	Water width (m) 30.5	Banktop = Bankfull? N
Embanked height (m) 0.0	Water depth (m) 0.4	Embanked height (m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 3.5

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	I	
Stuices				Outfalls		
Colverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank
Braided/side channels	Natural open water	Carr	Floating mat
Debris dam	Water meadow	Marsh	Other
Leafy debris	Fen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = ivy)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased)

Major impacts: LITTER
 Land Management:
 Animals:
 Other significant observations: Bullheads present.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with 5 columns: Attribute, Value 1, Value 2, Value 3, Value 4. Includes Altitude, BGS Solid geology code, Distance from source, Height of source.

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12145

Grid reference: ST 83895 River: TAFF 34

Date: 13/02/1997 Time: 9.45 Surveyor: DC Accred. code: HD4

Adverse conditions? No X Yes

Bed of river visible? No Part X Entire

Duplicate photographs: general character? No Yes X

Surveyed from: Left Right X Channel X

SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

Table with 2 columns: Description (shallow vee, deep vee, gorge) and Form (concave/conv, symmetrical, asymmetrical).

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Table with 4 columns: Riffles, Unvegetated point bar, Pools, Vegetated point bar.

Outlet created by IFE, Wareham on 30/03/1998

Spot check 1 is at: upstream end downstream end X

E PHYSICAL ATTRIBUTES

LEFT BANK table with columns for Material, Bank modification(s), Bank feature(s) and 10 numbered spots.

CHANNEL table with columns for Channel substrate, Flow type, Channel modification(s), Channel feature(s) and 10 numbered spots.

RIGHT BANK table with columns for Material, Bank modification(s), Bank feature(s) and 10 numbered spots.

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with 11 columns for land use types (SU, TH, BL, U, S, IG, SC) and 10 numbered spots.

G CHANNEL VEGETATION TYPES

Table with 14 rows of vegetation types (NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, etc.) and 10 numbered spots.

H LAND USE WITHIN 50m OF BANKTOP

Table with 5 columns: Land use type, L, R, L, R.

BANK PROFILES

Table with 6 columns: Profile type, L, R, Description, L, R.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with 5 columns: Trees, Left, Right, Associated features, Present E (>33%).

K EXTENT OF CHANNEL FEATURES

Table with 6 columns: Channel feature, None, Present E, Description, None, Present E (>33%).

I CHANNEL DIMENSIONS

Table with 4 columns: Bank/Channel feature, Value, Bank/Channel feature, Value.

M ARTIFICIAL FEATURES

Table with 8 columns: Feature type, Major, Intermediate, Minor, Major, Intermediate, Minor.

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

N EVIDENCE OF RECENT MANAGEMENT

Table with 4 columns: Management type, None, Dredging, Mowing, Weed-cutting, Enhancement, Other?

O FEATURES OF SPECIAL INTEREST

Table with 4 columns: Feature type, None, Description, None, Description.

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = hramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed X Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased)

Major impacts: LITTER ROAD Land Management: Animals: Other significant observations: Left bank almost entirely R/L/S. Right bank has point bars & parkland. Brown stone on all rocks.

S ALDERS

Alders? None X Present Extensive Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Altitude(m) 50 Slope (m/km) 3.7 Flow category (1-10) 7
BGS Solid geology code 83 BGS Drift geology code 5 Platform category 2
Distance from source(km) 40.5 Significant tributary? Y Navigation? N
Height of source(m) 590 Water Quality class 2 RHS Segment type 2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
Reference site number: 12146

Grid reference: ST 73902 River: TAFF 37
Date: 12/02/1997 Time: 14.25 Surveyor: DC Accred. code: HD4
Adverse conditions? No X Yes
Bed of river visible? No Part X Entire
Duplicate photographs: general character? No Yes X
Surveyed from: Left X Right X Channel X
SERCON survey in addition? No Yes Y

PREDOMINANT VALLEY FORM
shallow vee concave/bowl
deep vee X symmetrical
gorge asymmetrical
Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS
Riffles 2 Unvegetated point bar 0
Pools 0 Vegetated point bar 0
Output created by IFE, Wareham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP
Broadleaf/mixed woodland (BL) Rough pasture (RP)
Coniferous plantation (CP) Improved/semi-improved grass (IG) / /
Orchard (OR) Tilled land (TL)
Moorland/heath (MH) Wetland (eg bog, marsh, fen)(WL)
Shrub (SC) Open water (OW)
Tall herbs (TH) Suburban/urban development (SU) E E
Rock and scree (RS)

BANK PROFILES
Natural/unmodified L R Artificial/modified L R
Vertical/undercut / Resectioned / E
Vertical + toe / Reinforced - whole bank / E
Deep >45 E E Reinforced - top only /
Entire Reinforced - toe only /
Composite Artificial two-stage
Poached
Embanked E
Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES
TREES Left Right ASSOCIATED FEATURES None Present E(>33%)
None - - Shading of channel X -
Isolated/scattered - X Overhanging boughs X -
Regularly spaced, single X - Exposed bankside roots X -
Occasional clumps - - Underwater tree roots X -
Semi-continuous - - Fallen trees X -
Continuous - - Coarse woody debris X -

K EXTENT OF CHANNEL FEATURES
Waterfall(s) None Present E Marginal deadwater None Present E(>33%)
Cascade(s) X - Exposed bedrock X -
Rapid(s) - X Exposed boulders - X
Riffle(s) - X Unvegetated mid-channel bar(s) X -
Run(s) - - X Vegetated mid-channel bar(s) X -
Boil(s) X - Mature island(s) X -
Glide(s) X - Unvegetated side bar(s) X -
Pool(s) X - Vegetated side bar(s) X -
Ponded reach(es) X - Discrete silt deposit(s) X -
Discrete sand deposit(s) X

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

Table with 10 columns (1-10) and rows for LEFT BANK (Material, Bank modification(s), Bank feature(s)), CHANNEL (Channel substrate, Flow type, Channel modification(s), Channel feature(s)), and RIGHT BANK (Material, Bank modification(s), Bank feature(s)).

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with 10 columns (SU, S, U, B) and rows for LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, and LAND USE WITHIN 5m OF BANK TOP (R).

G CHANNEL VEGETATION TYPES

Table with 10 columns and rows for NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae.

I CHANNEL DIMENSIONS

Table with columns for LEFT BANK, CHANNEL, and RIGHT BANK, and rows for Banktop height(m), Banktop = Bankfull?, Embanked height (m), Water width (m), Banktop = Bankfull?, Water depth (m), Embanked height (m).

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle run or glide X other

M ARTIFICIAL FEATURES

Table with columns: None, Major, Intermediate, Minor, Major, Intermediate, Minor, and rows: Weirs, Struts, Culverts, Bridges, Other.

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

N EVIDENCE OF RECENT MANAGEMENT

Table with columns: None, Dredging, Mowing, Weed-cutting, Enhancement, Other?

O FEATURES OF SPECIAL INTEREST

Table with columns: None, Artificial open water, Bog, Fringing reed-bank, Natural open water, Carr, Floating mat, Water meadow, Marsh, Other, Fen, Flush

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 more)

Table with columns: None, Giant hogweed, Himalayan balsam, Japanese knotweed, X Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: LITTER INDUSTRY
Land Management: PARKLAND
Animals:
Other significant observations: Fast river; several weirs RS & RL. Parkland on L.B. Urban on RR. Significant tributary near spot check 1. Extensive RS/RI.

S ALDERS

Alders? None Present X Extensive Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with 5 columns: Attribute, Value, Attribute, Value, Attribute, Value. Includes Altitude, BGS Solid geology, Distance from source, Height of source, etc.

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Grid reference: ST B0913 River: TAFF 40
Date: 12/02 /1997 Time: 11.00 Surveyor: CS Accred. code: RD2
Adverse conditions? No X Yes -
Bed of river visible? No - Part. X Entire. -
Duplicate photographs: general character? No - Yes X

PREDOMINANT VALLEY FORM

Table with 2 columns: Valley form, Frequency. Includes shallow vee, deep vee, gorge, etc.

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 0 Unvegetated point bar 0
Pools 0 Vegetated point bar 0
Output created by IFE, Warcham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP

Table with 6 columns: Land use type, L, R, L, R. Includes Broadleaved/mixed woodland, Coniferous plantation, etc.

BANK PROFILES

Table with 6 columns: Profile type, L, R, L, R. Includes Natural/unmodified, Vertical/undercut, etc.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with 5 columns: Trees, Left, Right, Associated features, None/Present E (>33%). Includes Isolated/scattered, Regularly spaced, etc.

K EXTENT OF CHANNEL FEATURES

Table with 6 columns: Channel feature, None/Present E (>33%), Channel feature, None/Present E (>33%). Includes Waterfall, Cascade, Rapid, etc.

Spot check 1 is at: upstream end - downstream end X

E PHYSICAL ATTRIBUTES

Table with 10 columns for physical attributes (EA, BR, GS, CO, etc.) and rows for Left Bank, Channel, Right Bank.

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with 10 columns for land use/vegetation structure (SU, SC, S, etc.) and rows for Left/Right Bank top, face, and within 5m of bank top.

G CHANNEL VEGETATION TYPES

Table with 10 columns for vegetation types (NV, I, etc.) and rows for None, Liverworts, Emergent broad-leaved herbs, etc.

L CHANNEL DIMENSIONS

Table with 6 columns for channel dimensions (Banktop height, Bankfull width, Water width, Water depth, Embankment height).

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated - unconsolidated Xunknown -
Location of measurement is: riffle - run or glide X other -

M ARTIFICIAL FEATURES

Table with 7 columns for artificial features (Major, Intermediate, Minor, etc.) and rows for Weirs, Sluices, Culverts, etc.

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

N EVIDENCE OF RECENT MANAGEMENT

Table with 4 columns for recent management (Dredging, Mowing, Weed-cutting, Enhancement, Other?).

O FEATURES OF SPECIAL INTEREST

Table with 4 columns for special interest features (Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Fringing reed-bank, Floating mat, Other).

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None - Giant hogweed - Himalayan balsam - Japanese knotweed E Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: TIPPING
Land Management:
Animals:
Other significant observations: Extensive tipping on Right & Left bank. Builders yard on RB may be causing some tipping & pollution. Abolitions on L.B. Fast flow at start of site then slow flowing. Scum on boulders & bedrock. Deep 'V' to symmetrical floodplains.

S ALDERS

Alders? None - Present X Extensive - Diseased alders? None X Present - Extensive -

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altimeter(m) 80 Slope (m/km) 8 Flow category (1-10) 6
BGS Solid geology code 83 BGS Drift geology code 5 Planform category 2
Distance from source(km) 35.5 Significant tributary? N Navigation? N
Height of source(m) 590 Water Quality class 2 RHS Segment type 6
FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Grid reference: ST 81941 River: TAFF 47
Date: 11/02 /1997 Time: 15.30 Surveyor: CS Accred. code: HD2

Adverse conditions? No X Yes
Bed of river visible? No Part X Entire
Duplicate photographs: general character? No Yes X
Surveyed from: Left X Right Channel
SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl
X deep vee symmetrical
gorge asymmetrical

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 1 Unvegetated point bar 1
Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP

Table with columns L, R and rows: meadow/mixed woodland (BL), Ckniferous plantation (CP), Orchard (OR), heath (MH), sub (SC), Tall herbs (TH), Rock and scree (RS)

BANK PROFILES

Table with columns L, R and rows: Natural/unmodified, Vertical/undercut, Vertical + toe, Composite, Poached, Embanked, Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with columns Left, Right, None, Present E (>33%) and rows: TREES, ASSOCIATED FEATURES

K EXTENT OF CHANNEL FEATURES

Table with columns None, Present E, None, Present E (>33%) and rows: Waterfall(s), Cascade(s), Rapid(s), Riffles, Run(s), Boil(s), Glide(s), Pool(s), Pondered reach(es), 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), Discrete silt deposit(s), Discrete sand deposit(s)

Spot check 1 is at: upstream end downstream end X

E PHYSICAL ATTRIBUTES

Table with columns 1-10 and rows: LEFT BANK (Material, Bank modification(s), Bank feature(s)), CHANNEL (Channel substrate, Flow type, Channel modification(s), Channel feature(s)), RIGHT BANK (Material, Bank modification(s), Bank feature(s))

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with columns BL, SC, NV, SC, IG, SC, IG, SC and rows: LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES

Table with columns /, /, /, /, /, / and rows: NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae

II LAND USE WITHIN 50m OF BANKTOP

Table with columns L, R and rows: meadow/mixed woodland (BL), Ckniferous plantation (CP), Orchard (OR), heath (MH), sub (SC), Tall herbs (TH), Rock and scree (RS)

BANK PROFILES

Table with columns L, R and rows: Natural/unmodified, Vertical/undercut, Vertical + toe, Composite, Poached, Embanked, Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with columns Left, Right, None, Present E (>33%) and rows: TREES, ASSOCIATED FEATURES

K EXTENT OF CHANNEL FEATURES

Table with columns None, Present E, None, Present E (>33%) and rows: Waterfall(s), Cascade(s), Rapid(s), Riffles, Run(s), Boil(s), Glide(s), Pool(s), Pondered reach(es), 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), Discrete silt deposit(s), Discrete sand deposit(s)

I CHANNEL DIMENSIONS

Table with columns LEFT BANK, CHANNEL, RIGHT BANK and rows: Banktop height(m), Banktop = Bankfull?, Embanked height(m), Water width(m), Water depth(m), Embanked height(m)

M ARTIFICIAL FEATURES

Table with columns Major, Intermediate, Minor and rows: Weirs, Structures, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other

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

N EVIDENCE OF RECENT MANAGEMENT

Table with rows: None, Dredging, Mowing, Wood-cutting, Enhancement, Other?

O FEATURES OF SPECIAL INTEREST

Table with rows: Waterfalls >5m high, Braided/side channels, Debris dam, Leafy debris, Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Fringing reed-bank, Floating mat, Other

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS

None Giant hogweed Himalayan balsam Japanese knotweed E Other? P3

R OVERALL CHARACTERISTICS

Table with rows: Major impacts: ROAD, Land Management, Animals, Other significant observations: Land RS/RI on RB for road. After Taff joins with Cymon US red algal blooms occur.

S ALDERS

Alders? None Present X Extensive Diseased alders? None X Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4				12151			
A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)							
Altitude(m)	95	Slope (m/km)	4.5	Flow category (1-10)	6		
BGS Solid geology code	83	BGS Drift geology code	5	Planform category	2		
Distance from source(km)	32.5	Significant tributary?	N	Navigation?	N		
Height of source(m)	590	Water Quality class	1.5	RHS Segment type	6		
FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed							
Reference site number:				12151			
Grid reference: ST 92961 River: TAFF 53							
Date: 11/02 /1997 Time: 11.45				Surveyor: CS Accred. code: HD2			
Adverse conditions? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>							
Bed of river visible? No <input type="checkbox"/> Part <input checked="" type="checkbox"/> Entire <input type="checkbox"/>							
Duplicate photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>							
Surveyed from: Left <input checked="" type="checkbox"/> Right <input checked="" type="checkbox"/> Channel <input checked="" type="checkbox"/>							
SERCON survey in addition? No <input type="checkbox"/> Yes <input type="checkbox"/>							
C PREDOMINANT VALLEY FORM							
shallow vee <input type="checkbox"/> concave/bowl <input type="checkbox"/>							
<input checked="" type="checkbox"/> deep vee <input type="checkbox"/> symmetrical <input type="checkbox"/>							
<input type="checkbox"/> gorge <input type="checkbox"/> asymmetrical <input type="checkbox"/>							
Terraced valley? No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>							
NUMBER OF RIFFLES, POOLS AND POINT BARS							
Riffles 2 Unvegetated point bar 1							
Pools 0 Vegetated point bar 0							
Output created by IFE, Warcham on 30/03/1998							

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II LAND USE WITHIN 50m OF BANKTOP							
	L	R		L	R		
Roadless/mixed woodland (BL)		E	Rough pasture (RP)				
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	/		
Orchard (OR)			Tilled land (TL)				
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)				
Grass (SC)	/	E	Open water (OW)				
Fall herbs (TH)			Suburban/urban development (SU)	/	/		
			Rock and scree (RS)				
BANK PROFILES							
	L	R	Artificial/modified	L	R		
Natural/unmodified			Resectioned				
Vertical undercut			Reinforced - whole bank				
Vertical + line	/		Reinforced - top only	/			
Deep >45	E	E	Reinforced - toe only	/			
Single			Artificial two-stage				
Composite			Poached				
			Embanked				
			Set-back embankments				
J EXTENT OF TREES AND ASSOCIATED FEATURES							
TREES				ASSOCIATED FEATURES			
	Left	Right		None	Present E (>33%)		
None	-	-	Shading of channel	-	X		
Isolated/scattered	-	-	Overhanging boughs	-	X		
Regularly spaced, single	-	-	Exposed bankside roots	-	X		
Occasional clumps	-	-	Underwater tree roots	X	-		
Semi-continuous	X	-	Fallen trees	X	-		
Continuous	-	X	Coarse woody debris	X	-		
K EXTENT OF CHANNEL FEATURES							
	None	Present E		None	Present E (>33%)		
Waterfall(s)	X	-	Marginal deadwater	-	X		
Cascade(s)	-	X	Exposed bedrock	-	X		
Rapid(s)	-	X	Exposed boulders	-	X		
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-		
Run(s)	-	X	Vegetated mid-channel bar(s)	-	X		
Boil(s)	X	-	Mature island(s)	-	X		
Slide(s)	-	X	Unvegetated side bar(s)	-	X		
Pool(s)	X	-	Vegetated side bar(s)	X	-		
Ponded reach(es)	-	X	Discrete silt deposit(s)	X	-		
			Discrete sand deposit(s)	-	X		

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4												12151									
Spot check 1 is at: upstream end <input type="checkbox"/> downstream end <input checked="" type="checkbox"/>																					
E PHYSICAL ATTRIBUTES																					
												1	2	3	4	5	6	7	8	9	10
LEFT BANK																					
Material	BE	BE	BE	BE	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	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	NO	
CHANNEL																					
Channel substrate	NV	BE	CO	CO	CO	BO	CO	CO	BO	CO	BO	CO	BO	CO	BO	CO	BO	CO	BO		
Flow type	NP	NP	SM	SM	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP	
Channel modification(s)	NO	NO	NO	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)	NO	NO	NO	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																					
LAND USE WITHIN 5m OF BANKTOP (L)																					
	SU	IG	IG	SC	IG	IG	SU	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG	IG		
LEFT BANK-TOP	B	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
LAND USE WITHIN 5m OF BANK TOP (R)																					
	SU	SC	SC	IG	SC	SC	SC	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL		
G CHANNEL VEGETATION TYPES																					
NONE																					
Liverworts/mosses/lichens			/		/		/	/	/	/	/	/	/	/	/	/	/	/	/		
Emergent broad-leaved herbs								/	/	/	/	/	/	/	/	/	/	/	/		
Emergent reeds/sedges/rushes		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
Floating-leaved (rooted)																					
Free-floating																					
Amphibious	/		/																/		
Submerged broad-leaved																					
Submerged linear-leaved																					
Submerged fine-leaved																					
Filamentous algae																					

1997 RIVER HABITAT SURVEY page 4 of 4								12151	
L CHANNEL DIMENSIONS									
LEFT BANK		CHANNEL				RIGHT BANK			
Banktop height(m)	12.0	Bankfull width (m)	*	Banktop height (m)	3.0				
Banktop = Bankfull ?	N	Water width (m)	14.0	Banktop = Bankfull ?	Y				
Embanked height (m)	0.0	Water depth (m)	0.5	Embanked height (m)	0.0				
If trashline lower than break in slope, indicate: height above water(m) = 0.0									
Bed material at site is: consolidated <input type="checkbox"/> unconsolidated <input type="checkbox"/> Unknown <input type="checkbox"/>									
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/>									
M ARTIFICIAL FEATURES									
None	Major	Intermediate	Minor		Major	Intermediate	Minor		
Weirs					Revetments				
Sluices					Outfalls				
Culverts					Fords				
Bridges					Deflectors				
					Other				
Is water impounded by weir/dam? No <input type="checkbox"/> Yes, <33% of site <input checked="" type="checkbox"/> >33% of site <input type="checkbox"/>									
N EVIDENCE OF RECENT MANAGEMENT									
None <input checked="" type="checkbox"/>	Dredging	Mowing	Wood-cutting						
	Enhancement	Other?							
O FEATURES OF SPECIAL INTEREST									
None <input checked="" type="checkbox"/>	Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank					
	Braided/side channels	Natural open water	Carr	Floating mat					
	Leaky debris	Water meadow	Marsh	Other					
		Fen	Flush						
P CHOKED CHANNEL									
Is 33% or more of the channel choked with vegetation? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>									
Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)									
None <input type="checkbox"/> Giant hogweed <input type="checkbox"/> Himalayan balsam <input type="checkbox"/> Japanese knotweed <input checked="" type="checkbox"/> Other? <input type="checkbox"/>									
R OVERALL CHARACTERISTICS (Comments may have been paraphrased)									
Major impacts:									
Land Management:									
Animals:									
Other significant observations: Possible braided channels at spotchecks 9-10.									
River runs through deep "V" with BL on each bank.									
S ALDERS									
Alders? None <input type="checkbox"/> Present <input checked="" type="checkbox"/> Extensive <input type="checkbox"/> Diseased alders? None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/>									

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A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 100 Slope (m/km) 4.5 Flow category (1-10) 5
 BGS Solid geology code 83 BGS Drift geology code 5 Planform category 2
 Distance from source(km) 31 Significant tributary? N Navigation? N
 Height of source(m) 590 Water Quality class 1 RHS Segment type 5

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12152

Grid reference: ST 89965 River: TAFF 56
 Date: 10/02 /1997 Time: 10.05 Surveyor: DC Accred. code: HD4
 Adverse conditions? No X Yes
 Bed of river visible? No - Part. - Entire. X
 Duplicate photographs: general character? No - Yes X
 Surveyed from: Left X Right X Channel X
 SERCON survey in addition? No - Yes Y

C PREDOMINANT VALLEY FORM

shallow vee		concave/bowl
X deep vee		symmetrical
gorge +		asymmetrical
Terraced valley?	No X Yes	

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	3	Unvegetated point bar	1
Pools	0	Vegetated point bar	1

Output created by IFE, Wareham on 30/03/1998

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II LAND USE WITHIN 50m OF BANKTOP

	L	R	L	R
Scrub/mixed woodland (BL)	E	E		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	/
Orchard (OR)			Tilled land (TL)	
Woods/haath (MH)			Wetland (eg bog, marsh, fen)(WL)	
Scrub (SC)	/	/	Open water (OW)	
Tall herbs (TH)			Suburban/urban development (SU)	/ E
			Rock and scree (RS)	

BANK PROFILES

Natural/unnmodified	L	R	Artificial/modified	L	R
Vertical/undercut		/	Resectioned	/	/
Vertical + toe		E	Reinforced - whole bank	/	/
Step >45	E	E	Reinforced - top only		
Spill	/		Reinforced - toe only		/
Composite			Artificial two-stage		
			Poached	/	
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None		Present E		None		Present E (>33%)	
	Waterfall(s)	Cascade(s)	Rapid(s)	Riffle(s)	Run(s)	Boil(s)	Glide(s)	Pool(s)
		X		X		X	X	X
			X					
					X			
						X		
							X	
						X		
							X	
						X		
							X	
							X	

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12152

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	CO	CO	EA	BE	BE	BE	EA	EA	CC	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	RI	NO
Bank feature(s)	VP	VP	SC	EC	EC	SC	SC	PB	PB	NO
CHANNEL										
Channel substrate	BO	CO	CO	CO	BE	CO	CO	CO	PE	CO
Flow type	SM	SM	UW	UW	SM	SM	RP	UW	SM	RP
Channel modification(s)	NO	NO	NO	NO	RS	NO	NO	NO	RS	NO
Channel feature(s)	NO	NO	MB	NO	NO	NO	NO	RO	NO	MB
RIGHT BANK										
Material	EA	EA	EA	EA	EA	EA	EA	BE	CC	BE
Bank modification(s)	NO	NO	NO	NO	RI	NO	NO	NO	RI	NO
Bank feature(s)	SC	SC	SC	SB	SC	SC	SC	SC	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	IG	SC	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	U	S	S	S	B	S
RIGHT BANK FACE	S	S	S	S	U	S	S	S	B	S
RIGHT BANK-TOP	S	S	S	S	U	S	S	S	B	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	SU	BL	BL	BL	BL	BL

G CHANNEL VEGETATION TYPES

	None	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											
Anghibious											
Submerged broad-leaved	/	/					/	/	/	/	
Submerged linear-leaved											
Submerged fine-leaved											
Filamentous algae											

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L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL		RIGHT BANK		
Banktop height(m)	15.0	Bankfull width (m)	46.0	Banktop height (m)	37.0
Banktop = Bankfull?	Y	Water width (m)	26.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	0.1	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 1.25

Bed material at site is: consolidated - unconsolidated Xunknown -
 Location of measurement is: riffle X run or glide - other -

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls		
Culverts				Fords		
Bridges	1	1		Deflectors		1
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	X	Dredging	-	Mowing	-	Weed-cutting	-
		Enhancement	-	Other?	-		

O FEATURES OF SPECIAL INTEREST

None	X	Waterfalls >5m high	-	Artificial open water	-	Bog	-	Fringing reed-bank	-
		Braided/side channels	-	Natural open water	-	Carr	-	Floating mat	-
		Debris dam	-	Water meadow	-	Marsh	-	Other	-
		Leafy debris	-	Fen	-	Flush	-		-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None X Giant hogweed - Himalayan balsam - Japanese knotweed - Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: LITTER ROAD RAIL
 Land Management:
 Animals: DIPPER HERON
 Other significant observations: Lots of rubbish. Near train bridge. Water slightly green.

S ALDERS

Alders? None - Present X Extensive - Diseased alders? None X Present - Extensive -

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 110 Slope (m/km) 6.7 Flow category (1-10) 5
 BGS Solid geology code 83 BGS Drift geology code 5 Platform category 2
 Distance from source(km) 29.5 Significant tributary? N Navigation? N
 Height of source(m) 590 Water Quality class 1 RHS Segment type 5

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12153

Grid reference: ST 83972 River: TAFF 59
 Date: 10/02 /1997 Time: 11.50 Surveyor: CS Accred. code: HD2

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee		concave/bowl
<input checked="" type="checkbox"/> deep vee		symmetrical
<input type="checkbox"/> gorge		asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 1 Unvegetated point bar 0
 Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R	E	R
Radical/mixed woodland (BL)		E		
Coniferous plantation (CP)				Improved/semi-improved grass (IG)
Orchard (OR)				Tilled land (TL)
Moorland/heath (MH)				Wetland (eg bog, marsh, fen)(WL)
Scrub (SC)		E		Open water (OW)
Tall herbs (TH)	/	/		Suburban/urban development (SU) E
				Rock and scree (RS)

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut			Resectioned		
Vertical + toe	/		Reinforced - whole bank		
Deep >45	E	E	Reinforced - top only		
Shingle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E	Marginal deadwater	None	Present E (>33%)
Waterfall(s)	X				X
Cascade(s)		X	Exposed bedrock		X
Rapid(s)		X	Exposed boulders		X
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Glide(s)		X	Unvegetated side bar(s)		X
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end X

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	CO	CO	CO	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	BO	BO	CO	CO	CO	BO	BO	BO
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	UW	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	RO	RO	NO	NO	RO	NO	RO	RO	RO

RIGHT BANK

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

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	TH	TH	TH	SU	SU	SU	SU	SU
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S

G CHANNEL VEGETATION TYPES

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

L CHANNEL DIMENSIONS

	CHANNEL	RIGHT BANK
Banktop height(m)	4.5 Bankfull width (m) 40.0	Banktop height (m) 25.0
Banktop = Bankfull?	Y Water width (m) 21.0	Banktop = Bankfull? N
Embanked height (m)	0.0 Water depth (m) 0.6	Embanked height (m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated - unconsolidated X unknown -
 Location of measurement is: riffle - run or glide - other X

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
X Weirs				Revetments		
				Outfalls		
				Fords		
				Deflectors		
				Bridges		

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

N EVIDENCE OF RECENT MANAGEMENT

None - Dredging - Mowing - Wood-cutting X
 Enhancement - Other? -

O FEATURES OF SPECIAL INTEREST

None X				
Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank	
Braided/side channels	Natural open water	Carr	Floating mat	
Debris dam	Water meadow	Marsh	Other	
Leafy debris	Fen	Flush		

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None X Giant hogweed - Himalayan balsam - Japanese knotweed - Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased)

Major impacts: LITTER
 Land Management:
 Animals:
 Other significant observations: Bracken cutting on right & left bank. Deep "V" with BL on each side. Possibly terraced.

S ALDERS

Alders? None - Present - Extensive X Diseased alders? None X Present - Extensive -

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Table with columns: Attribute, Value, Attribute, Value, Attribute, Value. Includes Altitude(m), BGS Solid geology code, Distance from source(km), Height of source(m).

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
Grid reference: ST 78984 River: TAIF 62
Date: 11/02 /1997 Time: 9.50 Surveyor: DC Accred. code: HD4

C PREDOMINANT VALLEY FORM
shallow vee concave/bow
deep vee symmetrical
gorge X asymmetrical

NUMBER OF RIFFLES, POOLS AND POINT BARS
Riffles 3 Unvegetated point bar 1
Pools 0 Vegetated point bar 2

Output created by IFE, Wareham on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP
Table with columns: Land Use, L, R, Land Use, L, R. Includes Broadleaved/mixed woodland (BL), Coniferous plantation (CP), Orchard (OR), Moorland/heath (MH), Scrub (SC), Tall herbs (TH).

BANK PROFILES
Table with columns: Profile, L, R, Profile, L, R. Includes Natural/unmodified, Vertical/undercut, Vertical + toe, Deep >45, Gentle, Composite.

J EXTENT OF TREES AND ASSOCIATED FEATURES
TREES: None, Isolated/scattered, Regularly spaced, Occasional clumps, Semi-continuous, Continuous.
ASSOCIATED FEATURES: Shading of channel, Overhanging boughs, Exposed bankside roots, Underwater tree roots, Fallen trees, Coarse woody debris.

K EXTENT OF CHANNEL FEATURES
Table with columns: Feature, None, Present, Feature, None, Present. Includes Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Boil(s), Glide(s), Pool(s), Ponded reaches.

Spot check 1 is at: upstream end - downstream end X

E PHYSICAL ATTRIBUTES
LEFT BANK: Material, Bank modification(s), Bank feature(s).
CHANNEL: Channel substrate, Flow type, Channel modification(s), Channel feature(s).
RIGHT BANK: Material, Bank modification(s), Bank feature(s).

F BANKTOP LAND USE AND VEGETATION STRUCTURE
LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, LAND USE WITHIN 5m OF BANK TOP (R).

G CHANNEL VEGETATION TYPES
NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae.

L CHANNEL DIMENSIONS
LEFT BANK, CHANNEL, RIGHT BANK.
Banktop height(m), Bankfull width(m), Banktop height(m), Banktop = Bankfull?, Water width(m), Banktop = Bankfull?, Embanked height(m), Water depth(m), Embanked height(m).

If trashline lower than break in slope, indicate: height above water(m) = 0.0
Bed material at site is: consolidated - unconsolidated X unknown -
Location of measurement is: riffle X run or glide - other -

M ARTIFICIAL FEATURES
None, Major, Intermediate, Minor, Major, Intermediate, Minor.
Weirs, Sluices, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other.

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

N EVIDENCE OF RECENT MANAGEMENT
None, Dredging, Mowing, Weed-cutting, Enhancement X Other?

O FEATURES OF SPECIAL INTEREST
None X, Waterfalls >5m high, Braided/side channels, Debris dam, Leafy debris, Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Other, Fringing reed-bank, Floating mat.

P CHOKED CHANNEL
Is 33% or more of the channel choked with vegetation? NO X YES -

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = moss)

None X Giant hogweed - Himalayan balsam - Japanese knotweed - Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)
Major impacts: LITTER RAIL
Land Management:
Animals: KINGFISHER
Other significant observations: Meandering river with large point bars & boulders.

S ALDERS
Alders? None - Present X Extensive - Diseased alders? None X Present - Extensive -

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A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	125	Slope (m/km)	3	Flow category (1-10)	5
BGS Solid geology code	83	BGS Drift geology code	8	Platform category	2
Distance from source(km)	26.5	Significant tributary?	N	Navigation?	N
Height of source(m)	590	Water Quality class	1.5	RHS Segment type	5

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12155

Grid reference: ST 75997 River: TAFF 65

Date: 10/02 /1997 Time: 15.30 Surveyor: CS Accred. code: HD2

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	4	Unvegetated point bar	2
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP

woodland/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 (TH)		Suburban/urban development (SU)	E E
		Rock and scree (RS)	

K BANK PROFILES

natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe	/		Reinforced - whole bank	/	/
deep >45	E	E	Reinforced - top only	/	/
single			Reinforced - toe only	/	/
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (>33%)
Cascade(s)	-	-	Exposed bedrock	-	X
Rapid(s)	-	-	Exposed boulders	-	X
Riffle(s)	-	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	-	Vegetated mid-channel bar(s)	X	-
Boil(s)	-	-	Mature island(s)	X	-
Glides(s)	-	-	Unvegetated side bar(s)	-	X
Pool(s)	-	-	Vegetated side bar(s)	-	X
Ponded reach(es)	-	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	-	X

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12155

Spot check 1 is at: upstream end - downstream end X

E PHYSICAL ATTRIBUTES

LEFT BANK	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	BR	BR	BR	CC	CC	CC	EA
Bank modification(s)	RI	RI	NO	RS	RS	RS	RS	RS	RS	RI
Bank feature(s)	PB	PB	NO	SB	NO	NO	VS	VS	NO	NO

F CHANNEL

Channel substrate	CO	CO	P	CO	CO	P	CO	CO	CO	CO
Flow type	SM	RP	RP	UW	RP	SM	UW	UW	UW	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	RO	NO	NO	NO

G RIGHT BANK

Material	EA	EA	EA	CO	EA	EA	EA	CO	CO	CO
Bank modification(s)	NO	RI	RI	NO	NO	NO	NO	NO	RI	RI
Bank feature(s)	NO	NO	NO	NO	PB	PB	PB	SB	VS	VS

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	SC	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP	S	S	S	S	B	B	B	B	B	B
LEFT BANK FACE	S	S	S	S	B	B	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	B	S	B	S
RIGHT BANK-TOP	S	S	S	S	B	S	S	B	S	B
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SC	SU	SU	SU	SU	SU

G CHANNEL VEGETATION TYPES

NONE										
Liverworts/mosses/lichens		/			/	/	/	/	/	/
Emergent broad-leaved herbs									/	/
Emergent reeds/sedges/rushes		/	/	/	/	/	/	/	/	E
Floating-leaved (rooted)										
Free-floating										
Amphibious	/	/	/	/	/	/	/	/	/	/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

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L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	3.5	Bankfull width (m)	18.0	Banktop height (m)	4.0
Banktop = Bankfull?	Y	Water width (m)	12.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	0.4	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated - unconsolidated X unknown -

Location of measurement is: riffle X run or glide - other -

M ARTIFICIAL FEATURES

None							
Weirs				Revetments	2	1	
Sluices				Outfalls	4		
Culverts				Fords			
Bridges			2	Deflectors			
Other				Other			

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging - Mowing - Weed-cutting -

Enhancement - Other? -

O FEATURES OF SPECIAL INTEREST

None X

Waterfalls >5m high	-	Artificial open water	-	Bog	-	Fringing reed-bank	-
Braided/side channels	-	Natural open water	-	Carr	-	Floating mat	-
Debris dam	-	Water meadow	-	Marsh	-	Other	-
Leafy debris	-	Fen	-	Flush	-		-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None - Giant hogweed - Himalayan balsam - Japanese knotweed X Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: LITTER POLLUTION

Land Management:

Animals:

Other significant observations: Shallow river with riffle run sequences. Rustling & detritus pipes in river. Sewage waste extensive. Ferruginous deposits from outfall. Evidence of oil in some marginal deadwaters.

S ALDERS

Alders? None - Present X Extensive - Diseased alders? None X Present - Extensive -

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with 4 columns: Attribute, Value, Attribute, Value. Includes: Altitude(m) 125, Slope (rv/km) 3, Flow category (1-10) 5, BGS Solid geology code #3, BGS Drift geology code 5, Planform category 2, Distance from source(km) 25, Significant tributary? N, Navigation? N, Height of source(m) 590, Water Quality class 1.5, RHS Segment type 5.

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed [] Reference site number: 12156

Grid reference: SO 75008 River: TAFF 68 Date: 10/02 /1997 Time: 14.00 Surveyor: DC Accred. code: HDM

Adverse conditions? No [X] Yes [] Bed of river visible? No [] Part [] Entire [X] Duplicate photographs: general character? No [] Yes [X] Surveyed from: Left [] Right [X] Channel [] SERCON survey in addition? No [] Yes [Y]

C PREDOMINANT VALLEY FORM

shallow vee [] concave/bowl []

deep vee [] symmetrical []

gorge [X] asymmetrical []

Terraced valley? No [X] Yes []

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 3 Unvegetated point bar 0 Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 30/03/1998

Spot check 1 is at: upstream end [] downstream end [X]

E PHYSICAL ATTRIBUTES

Table with 10 columns numbered 1 to 10.

LEFT BANK

Table with 10 columns for bank features: Material, Bank modification(s), Bank feature(s).

CHANNEL

Table with 10 columns for channel features: Channel substrate, Flow type, Channel modification(s), Channel feature(s).

RIGHT BANK

Table with 10 columns for right bank features: Material, Bank modification(s), Bank feature(s).

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with 10 columns for land use: LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, RIGHT BANK FACE, RIGHT BANK BOTTOM, LAND USE WITHIN 5m OF BANK TOP (R).

G CHANNEL VEGETATION TYPES

Table with 10 columns for vegetation types: NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae.

II LAND USE WITHIN 50m OF BANKTOP

Table with 6 columns: L, R, L, R. Includes: Broadleaf/mixed woodland (BL), Coniferous plantation (CP), Orchard (OR), Moorland/heath (MH), Scrub (SC), Tall herbs (TH), Rock and scree (RS).

BANK PROFILES

Table with 6 columns: L, R, L, R. Includes: Natural/unmodified, Vertical/undercut, Vertical + toe, Deep >45, Gentle, Composite, Embanked, Set-back embankments.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with 5 columns: Trees (Left, Right), Associated Features (None, Present E (>33%)).

K EXTENT OF CHANNEL FEATURES

Table with 6 columns: Channel Features (None, Present E (>33%)).

L CHANNEL DIMENSIONS

Table with 5 columns: LEFT BANK, CHANNEL, RIGHT BANK. Includes: Banktop height(m), Banktop = Bankfull?, Embanked height(m).

If trashline lower than break in slope, indicate: height above water(m) = 0.0 Bed material at site is: consolidated [] unconsolidated [X] unknown [] Location of measurement is: riffle [X] run or glide [] other []

M ARTIFICIAL FEATURES

Table with 7 columns: Major, Intermediate, Minor. Includes: Weirs, Sluices, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other.

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

N EVIDENCE OF RECENT MANAGEMENT

None [X] Dredging [] Mowing [] Weed-cutting [] Enhancement [] Other? []

O FEATURES OF SPECIAL INTEREST

None [X] Waterfalls >5m high [] Artificial open water [] Bog [] Fringing reed-bank [] Braided/side channels [] Natural open water [] Carr [] Floating mat [] Debris dam [] Water meadow [] Marsh [] Other [] Leafy debris [] Fen [] Flush []

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None [] Giant hogweed [] Himalayan balsam [] Japanese knotweed [X] Other? []

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: LETTER Land Management: Animals: Other significant observations: Quite a straight stretch with many boulder weirs.

S ALDERS

Alders? None [] Present [X] Extensive [] Diseased alders? None [X] Present [] Extensive []

1997 RIVER HABITAT SURVEY page 1 of 4 12157

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	135	Slope (m/km)	4	Flow category (1-10)	5
BGS Solid geology code	83	BGS Drift geology code	5	Platform category	2
Distance from source(km)	23.5	Significant tributary?	N	Navigation?	N
Height of source(m)	590	Water Quality class	1.5	RHS Segment type	5

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12157

Grid reference: SO 70021 River: TAFF 71

Date: 7/12 /1997 Time: 14.30 Surveyor: CS Accred. code: HD2

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee		concave/bowl
deep vee		symmetrical
gorge	<input checked="" type="checkbox"/>	asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 3 Unvegetated point bar 1

Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 30/03/1998

TE NO. 12157 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12157

II LAND USE WITHIN 50m OF BANKTOP

	L	R	L	R
Woodland/mixed woodland (BL)				
Coniferous plantation (CP)				
Orchard (OR)				
Woodland/heath (MH)				
Grass (SC)	/	/		
Tall herbs (TH)			E	E

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank	E	/
Deep >45		/	Reinforced - top only	/	E
Single			Reinforced - toe only	/	/
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

Waterfall(s)	None	Present	E	Marginal deadwater	None	Present	E (>33%)
Cascade(s)		X		Exposed bedrock		X	
Rapid(s)		X		Exposed boulders		X	
Riffle(s)			X	Unvegetated mid-channel bar(s)	X		
Run(s)			X	Vegetated mid-channel bar(s)	X		
Boil(s)	X			Mature island(s)	X		
Glide(s)	X			Unvegetated side bar(s)	X		
Pool(s)	X			Vegetated side bar(s)		X	
Ponded reaches	X			Discrete silt deposit(s)	X		
				Discrete sand deposit(s)	X		

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Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

LEFT BANK

Material	RR	RR	RR	RR	RR	RR	BW	BR	BW	BR
Bank modification(s)	RS	RI	RS	RI	RS	RI	RS	RI	RS	RI
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

CHANNEL

Channel substrate	CO	CO	CO	CO	CO	P	CO	CO	NV	CO
Flow type	RP	UW	UW	UW	RP	RP	RP	RP	RP	UW
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	BW	EA	EA	GA	EA	EA	RR	BR
Bank modification(s)	NO	NO	RS	RI	RS	NO	RS	RI	RS	RS
Bank feature(s)	NO	VS	NO	NO	NO	NO	NO	NO	NO	SB

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SC	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP	S	S	S	S	S	S	S	S	U	B
LEFT BANK FACE	S	S	S	S	S	S	S	S	U	B
RIGHT BANK FACE	S	S	S	S	S	S	S	S	U	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	B
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SU	SU	SU	SU	SU	SU	SU	SU	SU

G CHANNEL VEGETATION TYPES

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

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L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	3.0	Bankfull width (m)	18.5	Banktop height (m)	3.0
Banktop = Bankfull?	Y	Water width (m)	14.5	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	0.25	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated Xunknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	1	
Stuices				Outfalls		
Culverts				Fords		
Bridges	/	/	/	Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	Artificial open water	Bog	Fringing reed-bank
Braided/side channels	Natural open water	Carr	Floating mat
Debris dam	Water meadow	Marsh	Other
Leafy debris	Pen	Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = brambles, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: LITTER HOUSING ROAD

Land Management:

Animals:

Other significant observations: Ferric discharge from tributary. Flytipping on L.B. at spot check 9. Sewage trash.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

Altitude(m) 140 Slope (m/km) 4 Flow category (1-10) 5
BGS Solid geology code 83 BGS Drift geology code 5 Planform category 2
Distance from source(km) 22 Significant tributary? N Navigation? N
Height of source(m) 590 Water Quality class 1 RHS Segment type 5
FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
Reference site number: 12158

Grid reference: SO 62033 River: TAFF 74
Date: 7/12 /1997 Time: 14.45 Surveyor: ZR Accred. code: HD1
Adverse conditions? No X Yes
Bed of river visible? No Part. X Entire
Duplicate photographs: general character? No Yes X
Surveyed from: Left X Right Channel

C PREDOMINANT VALLEY FORM
shallow vee concave/bowl
deep vee X symmetrical
gorge asymmetrical
Terraced valley? No X Yes
NUMBER OF RIFFLES, POOLS AND POINT BARS
Riffles 3 Unvegetated point bar 0
Pools 0 Vegetated point bar 0
Output created by IFE, Wareham on 30/03/1998

BANK PROFILES
Natural/Unmodified L R Artificial/modified L R
Vertical/undercut Resectioned E E
Vertical + toe Reinforced - whole bank /
Deep >45 Reinforced - top only
Shingle Reinforced - toe only
Composite Artificial two-stage
Poached
Embanked
Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES
TREES Left Right ASSOCIATED FEATURES None Present E (>33%)
None - - Shading of channel X -
Isolated/scattered - - Overhanging boughs X -
Regularly spaced, single - - Exposed bankside roots X -
Occasional clumps - - Underwater tree roots X -
Semi-continuous X X Fallen trees X -
Continuous - - Coarse woody debris X -

K EXTENT OF CHANNEL FEATURES
Waterfall(s) None Present E Marginal deadwater None Present E (>33%)
Cascade(s) X - - Exposed bedrock X -
Rapid(s) X - - Exposed boulders X -
Riffle(s) X - - Unvegetated mid-channel bar(s) X -
Run(s) X - - X Vegetated mid-channel bar(s) X -
Boil(s) X - - Mature island(s) X -
Glide(s) X - - Unvegetated side bar(s) X -
Pool(s) X - - Vegetated side bar(s) X -
Ponded reach(es) X - - Discrete silt deposit(s) X -
Discrete sand deposit(s) X - -

Spot check 1 is at: upstream end X downstream end

E. PHYSICAL ATTRIBUTES
1 2 3 4 5 6 7 8 9 10
LEFT BANK
Material EA EA EA EA EA EA EA EA EA EA
Bank modification(s) RS RS RS RS RS RS RS RS RS RS
Bank feature(s) NO SB NO NO NO VS VS VS NO NO
CHANNEL
Channel substrate CO NV CO CO CO CO CO CO CO CO
Flow type RP RP RP RP RP RP RP RP RP RP
Channel modification(s) NO NO NO NO NO NO NO NO NO NO
Channel feature(s) NO NO NO RO NO NO RO NO RO RO
RIGHT BANK
Material EA EA EA CO CO EA CO RR RR RR RR
Bank modification(s) RS RS RS RS RS RS RS RS RS RS RS RS
Bank feature(s) NO NO NO NO NO VS NO NO NO NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE
LAND USE WITHIN 5m OF BANKTOP (L) SU SU SU SU SU SU SU SU SU SU TH
LEFT BANK-TOP B B B B B B B B B B S
LEFT BANK FACE S S S S S S S S S S S
RIGHT BANK FACE S S S S S S S S S S S
RIGHT BANK-TOP S S S S S S S S S S S
LAND USE WITHIN 5m OF BANK TOP (R) IG IG IG TH TH TH IG IG SC TH

G. CHANNEL VEGETATION TYPES
NONE / NV NV
Liverworts/mosses/lichens / / / / / / / / / /
Emergent broad-leaved herbs / / / / / / / / / /
Emergent reeds/sedges/rushes / / / / / / / / / /
Floating-leaved (rooted)
Free-floating
Amphibious / / / / / / / / / /
Submerged broad-leaved
Submerged linear-leaved
Submerged fine-leaved
Filamentous algae

L. CHANNEL DIMENSIONS
LEFT BANK CHANNEL RIGHT BANK
Banktop height(m) 10.0 Bankfull width (m) 28.0 Banktop height (m) 1.5
Banktop = Bankfull? * Water width (m) 12.0 Banktop = Bankfull? *
Embanked height (m) 0.0 Water depth (m) 0.3 Embanked height (m) 0.0
If trashline lower than break in slope, indicate: height above water(m) = 0.0
Bed material at site is: consolidated unconsolidated Unknown
Location of measurement is: riffle X run or glide other

M. ARTIFICIAL FEATURES
None Major Intermediate Minor Major Intermediate Minor
Weirs
Sluices
Culverts
Bridges
Revetments
Outfalls
Fords
Deflectors
Other

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

N. EVIDENCE OF RECENT MANAGEMENT
None X Dredging Mowing Weed-cutting
Enhancement Other?

O. FEATURES OF SPECIAL INTEREST
None X
Waterfalls >5m high Artificial open water Bog Fringing reed-bank
Braided/side channels Natural open water Carr Floating mat
Debris dam Water meadow Marsh Other
Leafy debris Fen Flush

P. CHOKED CHANNEL
Is 33% or more of the channel choked with vegetation? NO X YES

Q. NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = maree)
None Giant hogweed Himalayan balsam Japanese knotweed X Other?

R. OVERALL CHARACTERISTICS (Comments may have been paraphrased)
Major impacts: ROAD RAIL
Land Management:
Animals: HERON
Other significant observations: Railway runs parallel along L.B. Trees along banks
of same age may be samplings.

S. ALDERS
Alders? None Present X Extensive Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with 4 columns: Attribute, Value, Attribute, Value. Includes Altitude(m), BGS Solid geology code, Distance from source(km), Height of source(m), etc.

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12159

Grid reference: SO 55045 River: TAFF 77

Date: 7/12 /1997 Time: 10.15 Surveyor: CS Accred. code: HD2

Adverse conditions? No X Yes

Bed of river visible? No Part X Entire

Duplicate photographs: general character? No Yes X

Surveyed from: Left Right Channel X

SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

Table for valley form with columns for shallow/deep gorge and concave/bowl/symmetrical/asymmetrical.

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Table for riffles, pools, and point bars with columns for Unvegetated and Vegetated.

Output created by IFE, Wareham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP

Table for land use with columns for L, R, L, R. Includes broadleaf/mixed woodland, Coniferous plantation, Orchard, Moorland/heath, Scrub, Tall herbs, Rock and scree.

BANK PROFILES

Table for bank profiles with columns for L, R, L, R. Includes Natural/unmodified, Vertical/undercut, Vertical + toe, Deep >45, Gentle, Composite, Poached, Embanked, Set-back embankments.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table for trees and associated features with columns for Left, Right, None, Present E (>33%).

K EXTENT OF CHANNEL FEATURES

Table for channel features with columns for None, Present E (>33%). Includes Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Boil(s), Glide(s), Pool(s), Pooled reach(es), 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), Discrete silt deposit(s), Discrete sand deposit(s).

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

Table with 10 columns for physical attributes.

LEFT BANK

Table for left bank material and features with columns CC, GA, NV, NV, NV, NV, NV, BR, EA, BR.

CHANNEL

Table for channel substrate and features with columns NV, BE, BO, NV, NV, CO, CO, CO, CO, CO.

RIGHT BANK

Table for right bank material and features with columns CC, GA, NV, NV, NV, EA, EA, CC, CC, CC.

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table for banktop land use and vegetation structure with columns SU, SU, SU, SU, SU, SU, SC, IG, SU.

G CHANNEL VEGETATION TYPES

Table for channel vegetation types with columns NV, NV, NV, NV, NV. Includes Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae.

L CHANNEL DIMENSIONS

Table for channel dimensions with columns LEFT BANK, CHANNEL, RIGHT BANK. Includes Banktop height, Banktop = Bankfull?, Embanked height.

If trashing lower than break in slope, indicate: height above water(m) = 2.8

Bed material at site is: consolidated unconsolidated X unknown

Location of measurement is: riffle run or glide other X

M ARTIFICIAL FEATURES

Table for artificial features with columns Major, Intermediate, Minor. Includes Weirs, Sluices, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other.

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

N EVIDENCE OF RECENT MANAGEMENT

Table for recent management with columns None, Dredging, Mowing, Weed-cutting, Enhancement, Other?

O FEATURES OF SPECIAL INTEREST

Table for features of special interest with columns None, X. Includes Waterfalls >5m high, Braided/side channels, Debris dam, Leafy debris, Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Fringing reed-bank, Floating mat, Other.

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = more)

None Giant bogweed Himalayan balsam Japanese knotweed E Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Table for overall characteristics with columns ROAD RAIL INDUSTRY, Land Management, Animals, Other significant observations. Includes ROAD RAIL INDUSTRY, ABANDONED LAND, DIPPER, Straight shallow river with gas & oil pipelines running across. Towards final spot check channel becomes very ally.

S ALDERS

Alders? None Present X Extensive Discarded alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with columns: Attribute, Value. Includes Altitude(m), BGS Solid geology code, Distance from source(km), Height of source(m), Slope (m/km), BGS Drift geology code, Significant tributary?, Water Quality class, RHS Segment type, Flow category (1-10), Planform category, Navigation?.

C FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12161

Grid reference: SO 39069 River: TAFF B3 Date: 6/12 /1997 Time: 13.50 Surveyor: CS Accred. code: HD2

Adverse conditions? No X Yes Bed of river visible? No Part X Entire Duplicate photographs: general character? No Yes X Surveyed from: Left X Right Channel SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

Table with columns: Valley form, Frequency. Includes shallow vee, deep vee, gorge, concave/bowl, symmetrical, asymmetrical.

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Table with columns: Feature type, Count. Includes Riffles, Unvegetated point bar, Pools, Vegetated point bar.

Output created by IFE, Wareham on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP

Table with columns: Land use type, L, R. Includes Broadleaved/mixed woodland (BL), Coniferous plantation (CP), Orchard (OR), Moorland/heath (MH), Scrub (SC), Tall herbs (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), Rock and scree (RS).

BANK PROFILES

Table with columns: Profile type, L, R, Description. Includes Natural/unmodified, Vertical/undercut, Vertical + toe, Deep >45, Gentle, Composite, Artificial/modified, Resectioned, Reinforced - whole bank, Reinforced - toe only, Artificial two-stage, Poached, Embanked, Set-back embankments.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with columns: Feature type, Left, Right, None, Present E (>33%). Includes Trees (None, Isolated/scattered, Regularly spaced, Occasional clumps, Semi-continuous, Continuous), Associated Features (Shading of channel, Overhanging boughs, Exposed bankside roots, Underwater tree roots, Fallen trees, Coarse woody debris).

K EXTENT OF CHANNEL FEATURES

Table with columns: Feature type, None, Present E (>33%), Description. Includes Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Boil(s), Glide(s), Pool(s), Ponded reach(es), 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), Discrete silt deposit(s), Discrete sand deposit(s).

Spot check 1 is at: upstream end downstream end X

E PHYSICAL ATTRIBUTES

Table with columns: Bank type, Material, Bank modification(s), Bank feature(s). Includes LEFT BANK, CHANNEL, RIGHT BANK.

Table with columns: Channel attribute, Value. Includes Channel substrate, Flow type, Channel modification(s), Channel feature(s).

Table with columns: Bank attribute, Value. Includes RIGHT BANK, Material, Bank modification(s), Bank feature(s).

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with columns: Structure type, Value. Includes LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, LAND USE WITHIN 5m OF BANK TOP (R).

G CHANNEL VEGETATION TYPES

Table with columns: Vegetation type, Value. Includes NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae.

L CHANNEL DIMENSIONS

Table with columns: Dimension type, Value. Includes LEFT BANK, CHANNEL, RIGHT BANK, Banktop height(m), Banktop = Bankfull?, Embanked height (m), Water width (m), Water depth (m), Embanked height (m).

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle run or glide X other

M ARTIFICIAL FEATURES

Table with columns: Feature type, Major, Intermediate, Minor. Includes Weirs, Sluices, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other.

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging Mowing Weed-cutting Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None X Waterfalls >5m high Braided/side channels Debris dam Leafy debris Artificial open water Natural open water Water meadow Fen Bog Carr Marsh Flush Fringing reed-bank Floating mat Other

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed X Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: ROAD INDUSTRY Land Management: Animals: DIPPER GREY WAGTAIL Other significant observations: Sharply meandering completely modified on both banks.

S ALDERS

Alders? None Present Extensive Discarded alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Table with columns for various attributes like Altitude(m), BGS Solid geology code, Distance from source(km), Height of source(m), etc.

Grid reference: ST 74963 River: CYNON 4
Date: 11/02 /1997 Time: 10.30 Surveyor: DS Accred. code: MN59

Adverse conditions? No X Yes
Bed of river visible? No Part. X Entire.
Duplicate photographs: general character? No Yes X
Surveyed from: Left X Right Channel

PREDOMINANT VALLEY FORM
Table with columns for valley types: shallow vee, deep vee, gorge, Terraced valley?

NUMBER OF RIFFLES, POOLS AND POINT BARS
Riffles 5 Unvegetated point bar 0
Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP
Table with columns for land use types: Broadleaf/mixed woodland (BL), Coniferous plantation (CP), Orchard (OR), etc.

BANK PROFILES
Table with columns for bank types: Natural/unmodified, Vertical/undercut, Vertical + toe, etc.

J EXTENT OF TREES AND ASSOCIATED FEATURES
TREES: None, Isolated/scattered, Regularly spaced, etc.
ASSOCIATED FEATURES: Shading of channel, Overhanging boughs, etc.

K EXTENT OF CHANNEL FEATURES
Table with columns for channel features: Waterfall(s), Cascade(s), Rapid(s), etc.

Spot check 1 is at: upstream end downstream end X

F PHYSICAL ATTRIBUTES
LEFT BANK: Material, Bank modification(s), Bank feature(s)
CHANNEL: Channel substrate, Flow type, Channel modification(s), Channel feature(s)
RIGHT BANK: Material, Bank modification(s), Bank feature(s)

F BANKTOP LAND USE AND VEGETATION STRUCTURE
LAND USE WITHIN 5m OF BANKTOP (L)
LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES
NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, etc.

L CHANNEL DIMENSIONS
LEFT BANK, CHANNEL, RIGHT BANK
Banktop height(m), Bankfull width (m), Banktop = Bankfull?, etc.

M ARTIFICIAL FEATURES
None, Weirs, Sluices, Culverts, Bridges, etc.

N EVIDENCE OF RECENT MANAGEMENT
None X, Dredging, Mowing, Weed-cutting, etc.

O FEATURES OF SPECIAL INTEREST
None X, Waterfalls >5m high, Braided/side channels, etc.

P CHOKED CHANNEL
Is 33% or more of the channel choked with vegetation? NO X YES

Q NOTABLE NUISANCE PLANTS
None, Giant hogweed, Himalayan balsam, Japanese knotweed, etc.

R OVERALL CHARACTERISTICS
Major impacts: TIPPING LITTER POLLUTION RAIL INDUSTRY
Land Management: ABANDONED LAND

S ALDERS
Alders? None Present X Extensive, Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with 4 columns: Field Name, Value, Field Name, Value. Includes Altitude, BGS Solid geology code, Distance from source, Height of source, Slope, BGS Drift geology code, Significant tributary, Water Quality class, Flow category, Platform category, Navigation?, and RHS Segment type.

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12164

Grid reference: ST 64969 River: CYNON 7

Date: 11/02 /1997 Time: 9.19 Surveyor: JL Accred. code: PF43

Adverse conditions? No X Yes

Bed of river visible? No Part. X Entire

Duplicate photographs: general character? No Yes X

Surveyed from: Left X Right X Channel

C PREDOMINANT VALLEY FORM

- shallow vee X concave/bowl

- deep vee symmetrical

- gorge asymmetrical

Terraced valley? No X Yes

NUMBER OF RIFLES, POOLS AND POINT BARS

Rifles 5 Unvegetated point bar 1

Pools 0 Vegetated point bar 0

Output created by LFE, Wareham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP

Table with 4 columns: Category, L, R, and sub-category. Includes Broadleaf/mixed woodland, Coniferous plantation, Orchard, Moorland/heath, Scrub, Tall herbs, and Rock and scree.

BANK PROFILES

Table with 6 columns: Profile type, L, R, Profile description, L, R. Includes Natural/unmodified, Vertical/undercut, Vertical + toe, Deep >45, Gentle, Composite, Poached, Embanked, and Set-back embankments.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with 6 columns: TREES (Left, Right), ASSOCIATED FEATURES (None, Present E(>33%)). Includes None, Isolated/scattered, Regularly spaced, Occasional clumps, Semi-continuous, Continuous, Shading of channel, Overhanging boughs, Exposed bankside roots, Underwater tree roots, Fallen trees, Coarse woody debris.

K EXTENT OF CHANNEL FEATURES

Table with 6 columns: Feature type, None, Present E, Feature description, None, Present E(>33%). Includes Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Boil(s), Glide(s), Pool(s), Ponded reach(es), Marginal deadwater, Exposed bedrock, Exposed boulders, Unvegetated/vegetated mid-channel bar(s), Mature island(s), Unvegetated/vegetated side bar(s), Discrete silt/sand deposit(s).

Spot check 1 is at: upstream end downstream end X

E PHYSICAL ATTRIBUTES

Table with 10 columns for spot checks 1-10.

LEFT BANK

Table for Left Bank attributes: Material, Bank modification(s), Bank feature(s).

CHANNEL

Table for Channel attributes: Channel substrate, Flow type, Channel modification(s), Channel feature(s).

RIGHT BANK

Table for Right Bank attributes: Material, Bank modification(s), Bank feature(s).

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with 11 columns for land use types: BL, SU, TH, SC. Rows include Land use within 5m of banktop (L), Left bank-top, Left bank face, Right bank face, Right bank-top, Land use within 5m of bank top (R).

G CHANNEL VEGETATION TYPES

Table with 11 columns for vegetation types: NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae.

H LAND USE WITHIN 50m OF BANKTOP

Table with 4 columns: Category, L, R, and sub-category. Includes Broadleaf/mixed woodland, Coniferous plantation, Orchard, Moorland/heath, Scrub, Tall herbs, and Rock and scree.

BANK PROFILES

Table with 6 columns: Profile type, L, R, Profile description, L, R. Includes Natural/unmodified, Vertical/undercut, Vertical + toe, Deep >45, Gentle, Composite, Poached, Embanked, and Set-back embankments.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with 6 columns: TREES (Left, Right), ASSOCIATED FEATURES (None, Present E(>33%)). Includes None, Isolated/scattered, Regularly spaced, Occasional clumps, Semi-continuous, Continuous, Shading of channel, Overhanging boughs, Exposed bankside roots, Underwater tree roots, Fallen trees, Coarse woody debris.

K EXTENT OF CHANNEL FEATURES

Table with 6 columns: Feature type, None, Present E, Feature description, None, Present E(>33%). Includes Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Boil(s), Glide(s), Pool(s), Ponded reach(es), Marginal deadwater, Exposed bedrock, Exposed boulders, Unvegetated/vegetated mid-channel bar(s), Mature island(s), Unvegetated/vegetated side bar(s), Discrete silt/sand deposit(s).

I CHANNEL DIMENSIONS

Table with 4 columns: Category, Value, Category, Value. Includes Left bank, Channel, Right bank. Attributes include Banktop height, Banktop = Bankfull?, Embanked height, Water width, Water depth, and Embanked height.

If trashline lower than break in slope, indicate height above water(m) = 1.5

Bed material at site is: consolidated X unconsolidated unknown

Location of measurement is: riffle X run or glide other

M ARTIFICIAL FEATURES

Table with 7 columns: None, Major, Intermediate, Minor, Major, Intermediate, Minor. Includes Weirs, Sluices, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other.

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

N EVIDENCE OF RECENT MANAGEMENT

Table with 4 columns: None X, Dredging, Mowing, Weed-cutting. Includes Enhancement and Other?

O FEATURES OF SPECIAL INTEREST

Table with 4 columns: None X, Artificial open water, Bog, Fringing reed-bank. Includes Braided/side channels, Debris dam, Leafy debris, Natural open water, Water meadow, Fen, Carr, Marsh, Floating mat, Other.

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed E Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased)

Major impacts: LITTER SEWAGE

Land Management: PARKLAND

Animals: GREY WAGTAIL

Other significant observations:

S ALDERS

Alders? None Present X Extensive Diseased alders? None X Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12165
BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Altitude(m) 105 Slope (m/km) 1.9 Flow category (1-10) 5
BGS Solid geology code 43 BGS Drift geology code 0 Planform category 2
Distance from source(km) 24 Significant tributary? N Navigation? N
Height of source(m) 415 Water Quality class 1.5 RHS Segment type 5
FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
Reference site number: 12165

Grid reference: ST 59979 River: CYNON 10
Date: 10/02 /1997 Time: 15.07 Surveyor: JL Accred. code: PF43
Adverse conditions? No X Yes -
Bed of river visible? No Part X Entire -
Duplicate photographs: general character? No Yes X
Surveyed from: Left X Right Channel
SERCON survey in addition? No Yes Y

PREDOMINANT VALLEY FORM
shallow vee X concave/bowl
deep vee symmetrical
gorge asymmetrical

Terraced valley? No X Yes -
NUMBER OF RIFFLES, POOLS AND POINT BARS
Riffles 1 Unvegetated point bar 0
Pools 0 Vegetated point bar 0
Output created by IFE, Wareham on 30/03/1998

1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12165

LAND USE WITHIN 50m OF BANKTOP
L R L R
Broadleaf/mixed woodland (BL) / / Rough pasture (RP)
Coniferous plantation (CP) Improved/semi-improved grass (IG)
Orchard (OR) Tilled land (TL)
Moorland/heath (MH) Wetland (eg bog, marsh, fen)(WL)
Mudflats (SC) E E Open water (OW)
Wetland herbs (TH) E E Suburban/urban development (SU) E E
Rock and scree (RS)

BANK PROFILES
L R L R L R
Natural/unmodified / / Resectioned
Vertical undercut / / Reinforced - whole bank / /
Vertical + toe / / Reinforced - top only / /
Slope >45 E E Reinforced - toe only / /
Composite Artificial two-stage
Poached
Embanked
Set-back embankments

EXTENT OF TREES AND ASSOCIATED FEATURES
TREES Left Right ASSOCIATED FEATURES None Present E (>33%)
None - - Shading of channel - X
Isolated/scattered - - Overhanging boughs X
Regularly spaced, single - - Exposed bankside roots X
Occasional clumps - - Underwater tree roots - X
Semi-continuous - - Fallen trees - X
Continuous X X Coarse woody debris - X

EXTENT OF CHANNEL FEATURES
None Present E None Present E (>33%)
Waterfall(s) X - - Marginal deadwater - X
Cascade(s) X - - Exposed bedrock X
Rapid(s) X - - Exposed boulders X
Riffle(s) - X - Unvegetated mid-channel bar(s) X
Run(s) - X - Vegetated mid-channel bar(s) X
Boil(s) X - - Mature island(s) X
Glide(s) - - X Unvegetated side bar(s) X
Pool(s) X - - Vegetated side bar(s) X
Ponded reach(es) X - - Discrete silt deposit(s) X
Discrete sand deposit(s) X

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12165
Spot check 1 is at: upstream end - downstream end X
PHYSICAL ATTRIBUTES
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) 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 NV CO CO NV CO NV NV NV NV NV
Flow type SM RP RP SM RP RP SM SM SM SM
Channel modification(s) NO NO NO NO NO NO NO NO NO NO
Channel feature(s) NO NO NO NO TR NO TR TR NO TR

RIGHT BANK
Material EA EA BR EA EA EA EA EA EA EA
Bank modification(s) NO NO RI NO NO NO NO NO NO NO
Bank feature(s) NO NO NO NO NO NO NO NO NO SC

BANKTOP LAND USE AND VEGETATION STRUCTURE
LAND USE WITHIN 5m OF BANKTOP (L) SU SU SU SU TH TH SU BL SC
LEFT BANK-TOP U U U U U U U U U S U
LEFT BANK FACE S S S U S U U B U U
RIGHT BANK FACE S U S U S S U B S U
RIGHT BANK-TOP U B B U S B S U U U
LAND USE WITHIN 5m OF BANK TOP (R) SU SU SU TH BL SU SC TH TH TH

CHANNEL VEGETATION TYPES
NONE / / / / / / / / / /
Liverworts/mosses/lichens
Emergent broad-leaved herbs
Emergent reeds/wedges/rushes
Floating-leaved (rooted)
Free-floating
Amphibious / / /
Submerged broad-leaved
Submerged linear-leaved
Submerged fine-leaved / / /
Filamentous algae

1997 RIVER HABITAT SURVEY page 4 of 4 12165

CHANNEL DIMENSIONS
LEFT BANK CHANNEL RIGHT BANK
Banktop height(m) 2.0 Bankfull width (m) 15.75 Banktop height (m) 2.0
Banktop = Bankfull? Y Water width (m) 9.75 Banktop = Bankfull? Y
Embankment height (m) 0.0 Water depth (m) 0.35 Embankment height (m) 0.0
If trashline lower than break in slope, indicate: height above water(m) = 0.0
Bed material at site is: consolidated - unconsolidated Unknown -
Location of measurement is: riffle X run or glide - other -

ARTIFICIAL FEATURES
None Major Intermediate Minor Major Intermediate Minor
Weirs 1
Sluices Outfalls
Culverts Fords
Bridges Deflectors
Other
Is water impounded by weir/dam? No Yes, <33% of site >33% of site

EVIDENCE OF RECENT MANAGEMENT
None X Dredging - Mowing - Weed-cutting -
Enhancement - Other?

FEATURES OF SPECIAL INTEREST
None X
Waterfalls >5m high - Artificial open water - Bog - Fringing reed-bank -
Braided/side channels - Natural open water - Carr - Floating mat -
Debris dam - Water meadow - Marsh - Other -
Leafy debris - Fen - Flush -

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

NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrum, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = more)
None Giant hogweed Himalayan balsam Japanese knotweed E Other?

OVERALL CHARACTERISTICS (Comments may have been paraphrased!)
Major impacts: LITTER SEWAGE RAIL
Land Management: PARKLAND
Animals:
Other significant observations:

ALDERS
Alders? None Present Extensive X Distressed alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Altitude(m) 115 Slope (m/km) 2.5 Flow category (1-10) 5
BGS Solid geology code 83 BGS Drift geology code 5 Platform category 2
Distance from source(km) 18 Significant tributary? N Navigation? N
Height of source(m) 415 Water Quality class 1.5 RHS Segment type 5
FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
Reference site number: 12169

Grid reference: SO 18013 River: CYNON 22
Date: 10/02 /1997 Time: 10.20 Surveyor: JL Accred. code: PF43

Adverse conditions? No X Yes
Bed of river visible? No Part. X Entire.
Duplicate photographs: general character? No Yes X
Surveyed from: Left Right X Channel
SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM
shallow vee concave/bowl
deep vee X symmetrical
gorge asymmetrical
Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS
Riffles 1 Unvegetated point bar 0
Pools 6 Vegetated point bar 0

Outpost created by IFE, Wareham on 30/03/1998

Table II LAND USE WITHIN 50m OF BANKTOP
Columns: L, R, L, R
Rows: Broadleaf/mixed woodland (BL), Coniferous plantation (CP), Orchard (OR), Moorland/heath (MH), Scrub (SC), Tall herbs (TH), Rock and scree (RS)

Table III BANK PROFILES
Columns: L, R, L, R
Rows: Natural/unmodified, Vertical/undercut, Vertical + toe, Deep >45, Single, Composite, Poached, Embanked, Set-back embankments

Table J EXTENT OF TREES AND ASSOCIATED FEATURES
Columns: Left, Right, None, Present E (>33%)
Rows: None, Isolated/scattered, Regularly spaced, single, Occasional clumps, Semi-continuous, Continuous

Table K EXTENT OF CHANNEL FEATURES
Columns: None, Present E (>33%)
Rows: Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Boil(s), Glide(s), Pool(s), Ponded reach(es), 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), Discrete silt deposit(s), Discrete sand deposit(s)

Spot check 1 is at: upstream end downstream end X

Table E PHYSICAL ATTRIBUTES
Columns: 1-10
Rows: LEFT BANK, Material, Bank modification(s), Bank feature(s)

Table CHANNEL
Columns: P, NV, CO, P, NV, P, P, GP, GP, CO
Rows: Channel substrate, Flow type, Channel modification(s), Channel feature(s)

Table RIGHT BANK
Columns: EA, EA, RR, RR, RR, EA, EA, CL, RR, EA
Rows: Material, Bank modification(s), Bank feature(s)

Table F BANKTOP LAND USE AND VEGETATION STRUCTURE
Columns: BL, TH, BL, SC, SC, SC, BL, BL, BL, SC
Rows: LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, LAND USE WITHIN 5m OF BANK TOP (R)

Table G CHANNEL VEGETATION TYPES
Columns: /, /, /, /, /, /, /, /
Rows: NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae

Table I CHANNEL DIMENSIONS
Columns: LEFT BANK, CHANNEL, RIGHT BANK
Rows: Banktop height(m), Banktop = Bankfull?, Embanked height (m), Water depth (m), Bed material at site is: consolidated X unconsolidated unknown, Location of measurement is: riffle X run or glide other

Table M ARTIFICIAL FEATURES
Columns: Major, Intermediate, Minor, Major, Intermediate, Minor
Rows: None, Weirs, Sluices, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other

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

Table N EVIDENCE OF RECENT MANAGEMENT
Columns: None, Dredging, Mowing, Weed-cutting, Enhancement, Other?

Table O FEATURES OF SPECIAL INTEREST
Columns: None, Artificial open water, Bog, Fringing reed-bank, Natural open water, Carr, Floating mat, Water meadow, Marsh, Other, Pea, Flush

Table P CHOKED CHANNEL
Is 33% or more of the channel choked with vegetation? NO X YES

Table Q NOTABLE NUISANCE PLANTS (Others: 1 = urtica, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = reed)
None Giant hogweed Himalayan balsam Japanese knotwood E Other?

Table R OVERALL CHARACTERISTICS (Comments may have been paraphrased)
Major impacts: LITTER SEWAGE
Land Management:
Animals: DUCK, MALLARD
Other significant observations: Sewage waste.

Table S ALDERS
Alders? None Present X Extensive Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	140	Slope (m/km)	9	Flow category (1-10)	4
BGS Solid geology code	82	BGS Drift geology code	5	Platform category	2
Distance from source(km)	13.5	Significant tributary?	N	Navigation?	N
Height of source(m)	415	Water Quality class	L5	RHS Segment type	8

C FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12172

Grid reference: SN 994041 River: CYNON 31

Date: 10/02 /1997 Time: 9.10 Surveyor: DS Accred. code: MNS9

Adverse conditions? No Yes

Bed of river visible? No Part Entire

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input checked="" type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

D NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	7	Unvegetated point bar	2
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP

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

I BANK PROFILES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	E	E
Deep >45	/	/	Reinforced - top only		
Single			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater	X	
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)	X		Exposed boulders	X	
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Glides	X		Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	SP	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	RS	RJ	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SB	NO	NO	NO	NO	NO	SB	NO	NO	NO
CHANNEL										
Channel substrate	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Flow type	RP	RP	SM	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	RO	NO	RO	NO	RO	NO	NO	RO	NO
RIGHT BANK										
Material	RR	SP	SP	EA	BW	EA	EA	EA	EA	EA
Bank modification(s)	RI	RS	RJ	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	BL	SU	IG	SU	SU	SU	SU	BL	BL	BL
LEFT BANK-TOP	S	B	S	B	S	S	S	S	S	S
LEFT BANK FACE	S	B	S	S	S	S	S	S	S	S
RIGHT BANK FACE	U	B	B	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	B	B	B	B	B	B	B	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SU	SU	SU	SU	SU	SU	SU	SU	SU

G CHANNEL VEGETATION TYPES

NONE										
Liverworts/mosses/lichens	/	/	/	/	/	/	/	/	/	/
Emergent broad-leaved herbs		/	/							/
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved		/	/							/
Filamentous algae	/	E	/	E	/	/	/	/	/	/

L CHANNEL DIMENSIONS

LEFT BANK		CHANNEL		RIGHT BANK	
Banktop height(m)	1.75	Bankfull width(m)	15.0	Banktop height (m)	2.0
Banktop = Bankfull?	Y	Water width(m)	10.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	0.2	Embanked height (m)	0.0

If trashline lower than bank in slope, indicate: height above water(m) = 1.5

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
	Weirs			Revetments	1	
	Sluices			Outfalls		
	Culverts			Fords		
	Bridges	2		Deflectors		
			Other			

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high Artificial open water Bog Fringing reed-bank

Braided/side channels Natural open water Carr Floating mai

Debris dam Water meadow Marsh Other

Leafy debris Fea Flush

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed E Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased)

Major impacts: LITTER

Land Management: ABANDONED LAND

Animals:

Other significant observations:

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12174
A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Altitude(m) 155 Slope (m/km) 5 Flow category (1-10) 4
BGS Solid geology code 82 BGS Drift geology code 5 Planform category 2
Distance from source(km) 10.5 Significant tributary? N Navigation? N
Height of source(m) 415 Water Quality class 1.5 RHS Segment type 8
FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
Reference site number: 12174

Grid reference: SN 973052 River: CYNON 37
Date: 7/12 /1997 Time: 12.30 Surveyor: DS Accred. code: MN59
Adverse conditions? No X Yes
Bed of river visible? No Part. Entire X
Duplicate photographs: general character? No Yes X
Surveyed from: Left X Right X Channel X
SERCON survey in addition? No Yes Y

PREDOMINANT VALLEY FORM
X shallow vee concave/bowl
deep vee symmetrical
gorge asymmetrical
Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS
Riffles 4 Unvegetated point bar 3
Pools 0 Vegetated point bar 0
Output created by IFE, Wareham on 30/03/1998

12174 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12174
II LAND USE WITHIN 50m OF BANKTOP
road/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 (TH) / / Suburban/urban development (SU) /
Rock and scree (RS)

BANK PROFILES
Natural/unmodified L R Artificial/modified L R
Vertical/undercut Resectioned
Vertical + toe Reinforced - whole bank /
Slope >45 E E Reinforced - top only
entire Reinforced - toe only
Composite Artificial two-stage
Poached
Embanked /
Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES
TREES Left Right ASSOCIATED FEATURES None Present E (>33%)
None - - Shading of channel - X
Isolated/scattered - - Overhanging boughs - X
Regularly spaced, single - - Exposed bankside roots X -
Occasional clumps - - Underwater tree roots - X
Semi-continuous - - Fallen trees - X
Continuous X X Coarse woody debris - X

K EXTENT OF CHANNEL FEATURES
Waterfall(s) None Present E Marginal deadwater None Present E (>33%)
Cascade(s) X - - Exposed bedrock - X
Rapid(s) - X - Exposed boulders - X
Riffle(s) - - X Unvegetated mid-channel bar(s) - X
Run(s) - X - Vegetated mid-channel bar(s) X -
Boil(s) X - - Mature island(s) X -
Glide(s) X - - Unvegetated side bar(s) - X
Pool(s) X - - Vegetated side bar(s) X -
Ponded reaches X - - Discrete silt deposit(s) X -
Discrete sand deposit(s) - X

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12174
Spot Check 1 is at: upstream end X downstream end
E PHYSICAL ATTRIBUTES
LEFT BANK
Material EA EA EA EA BR EA EA EA EA EA
Bank modification(s) NO NO EM NO RI NO NO NO NO NO
Bank feature(s) NO PB NO SB NO NO NO NO NO NO

CHANNEL
Channel substrate CO CO CO CO CO CO CO CO CO CO
Flow type SM SM SM UW RP RP RP RP UW RP
Channel modification(s) NO NO NO NO NO NO NO NO NO NO
Channel feature(s) NO NO RO NO NO RO RO RO RO RO
RIGHT BANK
Material EA BE EA PE PE EA EA EA EA EA
Bank modification(s) NO NO NO NO NO NO NO NO NO NO
Bank feature(s) NO SC NO NO PB NO NO SB NO PB

F BANKTOP LAND USE AND VEGETATION STRUCTURE
LAND USE WITHIN 5m OF BANKTOP (L) SC SC SC SC IG IG IG SC SC BL
LEFT BANK-TOP S S S S S S S S S S
LEFT BANK FACE S S S S S S S S S S
RIGHT BANK FACE S S S S S S S S S S
RIGHT BANK-TOP S S S S S S S S S S
LAND USE WITHIN 5m OF BANK TOP (R) SC SC SC SC SC SC SC SC SC RP

G CHANNEL VEGETATION TYPES
NONE
Liverworts/mosses/lichens / / / / / / / / / / / / / /
Emergent broad-leaved herbs / / / / / / / / / / / / / /
Emergent reeds/sedges/rushes
Floating-leaved (rooted)
Free-floating
Amphibious
Submerged broad-leaved
Submerged linear-leaved
Submerged fine-leaved / / / / / / / / / / / / / /
Filamentous algae

1997 RIVER HABITAT SURVEY page 4 of 4 12174
I CHANNEL DIMENSIONS
LEFT BANK CHANNEL RIGHT BANK
Banktop height(m) 1.5 Bankfull width (m) 14.0 Banktop height (m) 1.3
Banktop = Bankfull? N Water width (m) 7.0 Banktop = Bankfull? Y
Embanked height (m) 0.0 Water depth (m) 0.3 Embanked height (m) 0.0
If trashline lower than break in slope, indicate: height above water(m) = 0.0
Bed material at site is: consolidated - unconsolidated Unknown -
Location of measurement is: riffle X run or glide - other -

M ARTIFICIAL FEATURES
None Major Intermediate Minor Major Intermediate Minor
Weirs Revetments 1
Sluices Outfalls 1
Culverts Fords
Bridges Deflectors
Other
Is water impounded by weir/dam? No X Yes, <33% of site - >33% of site -

N EVIDENCE OF RECENT MANAGEMENT
None X Dredging - Mowing - Weed-cutting -
Enhancement - Other? -

O FEATURES OF SPECIAL INTEREST
None
Waterfalls >5m high Artificial open water Bog Fringing reed-bank
Braided/side channels Natural open water X Carr Floating mat
Debris dam Water meadow Marsh Other
Leafy debris Fen Flush

P CHOKED CHANNEL
Is 33% or more of the channel choked with vegetation? NO X YES

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)
None X Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)
Major impacts: LITTER
Land Management:
Animals:
Other significant observations:

S ALDERS
Alders? None Present Extensive X Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	180	Slope (m/km)	10	Flow category (1-10)	3
BGS Solid geology code	82	BGS Drift geology code	5	Platform category	2
Distance from source(km)	9	Significant tributary?	N	Navigation?	N
Height of source(m)	415	Water Quality class	1.5	RHS Segment type	8

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12175

Grid reference: SN 959056 River: CYNON 40

Date: 7/12 /1997 Time: 10.55 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes X

Bed of river visible? No Part. Entire. X

Duplicate photographs: general character? No Yes X

Surveyed from: Left X Right X Channel X

SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

shallow vee					
deep vee			X		symmetrical
gorge					asymmetrical

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	14	Unvegetated point bar	6
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Grass/leaf/mixed woodland (BL)	/	/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Shrub (SC)	E	E	Open water (OW)		
Tall herbs (TH)	E	E	Suburban/urban development (SU)	E	E
			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Resectioned	/	/
Vertical + toe			Reinforced - whole bank	/	/
Deep >45	/	/	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	X	-	Exposed bedrock	-	X
Rapid(s)	-	X	Exposed boulders	-	X
Riffle(s)	-	-	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	-	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	X	-	Unvegetated side bar(s)	-	X
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	PE	BR	CO	PE	EA	CO	CO	CO
Bank modification(s)	RI	RS	NO	NO	RI	RS	RI	NO	NO	NO
Bank feature(s)	NO	EC	EC	SC	SB	SC	SC	EC	NO	NO
CHANNEL										
Channel substrate	BO	BE	NY	BO	BO	BO	CO	CO	CO	CO
Flow type	SM	RP	SM	RP	RP	BW	RP	UW	RP	RP
Channel modification(s)	RS	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	RO	NO	NO	NO	NO	NO	RO	TR	TR
RIGHT BANK										
Material	BR	EA	PE	BR	BR	BE	EA	EA	EA	EA
Bank modification(s)	RI	RS	NO	NO	RS	RI	RI	NO	NO	NO
Bank feature(s)	NO	SC	EC	SB	SB	SC	SC	SC	SC	SC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	B	S	S	S	S	S	C	C	S	S
RIGHT BANK FACE	B	S	S	S	S	S	C	C	C	S
RIGHT BANK-TOP	S	C	S	S	C	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	TH	TH	SC	TH	SC	SU	SU	SU	SU	SC

G CHANNEL VEGETATION TYPES

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

I CHANNEL DIMENSIONS

LEFT BANK		CHANNEL	RIGHT BANK		
Banktop height(m)	3.0	Bankfull width (m)	18.5	Banktop height (m)	6.5
Banktop = Bankfull?	Y	Water width (m)	7.7	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	0.15	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated X unknown

Location of measurement is: riffle X run or glide other

M ARTIFICIAL FEATURES

None						
Weirs	Major	Intermediate	Minor	Major	Intermediate	Minor
Sluices				Revetments		
Culverts				Outfalls		
Bridges	2		1	Fords		
				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	X	Dredging	-	Mowing	-	Wood-cutting	-
		Enhancement	-	Other?	-		

O FEATURES OF SPECIAL INTEREST

None	X	Waterfalls >5m high	-	Artificial open water	-	Bog	-	Fringing reed-bank	-
		Braided/side channels	-	Natural open water	-	Carr	-	Floating mat	-
		Debris dam	-	Water meadow	-	Marsh	-	Other	-
		Leafy debris	-	Fen	-	Flush	-		

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None	X	Giant hogweed	-	Himalayan balsam	-	Japanese knotweed	-	Other?	-
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R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:	TIPPING LITTER HOUSING
Land Management:	
Animals:	
Other significant observations:	A lot of litter.
Difficult access:	

S ALDERS

Alders? None	-	Present X	Extensive	-	Diseased alders? None	X	Present	-	Extensive	-
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A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	195	Slope (m/km)	12	Flow category (1-10)	3
BGS Solid geology code	81	BGS Drift geology code	9	Planform category	2
Distance from source(km)	7.5	Significant tributary ?	N	Navigation?	N
Height of source(m)	415	Water Quality class	1.5	RHS Segment type	9

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12176

Grid reference: SN 954065 River: CYNON 43
 Date: 6/12 /1997 Time: 15.00 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

<input checked="" type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	8	Unvegetated point bar	2
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
woodland/mixed woodland (BL)	E		Rough pasture (RP)	/	/
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	/	E
Orchard (OR)			Tilled land (TL)		
moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
rub (SC)	/		Open water (OW)	/	
Tall herbs (TH)			Suburban/urban development (SU)		
			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	/	/	Resectioned		
Vertical + toe	/	/	Reinforced - whole bank	/	
Deep > 45	E	E	Reinforced - top only		
Embankment			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

Waterfall(s)	None	Present	E	Marginal deadwater	None	Present	E (>33%)
Cascade(s)	-	X	-	Exposed bedrock	-	X	-
Rapid(s)	-	X	-	Exposed boulders	-	X	-
Riffle(s)	-	-	X	Unvegetated mid-channel bar(s)	X	-	-
Run(s)	-	X	-	Vegetated mid-channel bar(s)	X	-	-
Boil(s)	X	-	-	Mature island(s)	-	X	-
Glides	X	-	-	Unvegetated side bar(s)	-	X	-
Pool(s)	X	-	-	Vegetated side bar(s)	X	-	-
Ponded reaches	X	-	-	Discrete silt deposit(s)	X	-	-
				Discrete sand deposit(s)	-	X	-

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
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LEFT BANK

Material	CO	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	RI	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
Flow type	BW	RP	RP	RP	UW	RP	RP	RP	RP	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	MI	RO	MI	RO	RO	RO	RO	RO	RO

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

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	IG	BL	BL	BL	WL	RP	IG	BL
LEFT BANK-TOP	U	U	U	S	S	S	S	S	S	S
LEFT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	IG	IG	IG	IG	IG	RP	IG	IG	IG

G CHANNEL VEGETATION TYPES

NONE										
Liverworts/mosses/lichens	E	E	E	/	E	/	/	/	/	E
Emergent broad-leaved herbs										/
Emergent reeds/hedges/rushes	/	/								/
Floating-leaved (rooted)										
Free-floating										
Amphibious		/				/				/
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae										

L CHANNEL DIMENSIONS

LEFT BANK		CHANNEL		RIGHT BANK	
Banktop height(m)	1.0	Bankfull width (m)	8.0	Banktop height (m)	1.1
Banktop = Bankfull?	Y	Water width (m)	5.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	0.2	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated - unconsolidated X unknowns -
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls		
Culverts				Fords	/	
Bridges			/	Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None <input checked="" type="checkbox"/>	Dredging	-	Mowing	-	Weed-cutting	-
	Enhancement	-	Other?	-		-

O FEATURES OF SPECIAL INTEREST

None						
Waterfalls >5m high	-	Artificial open water	-	Bog	-	Fringing reed-bank
Braked/side channels	X	Natural open water	-	Carr	-	Floating mat
Debris dam	-	Water meadow	-	Marsh	-	Other
Leafy debris	-	Fen	-	Flush	-	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed - Himalayan balsam - Japanese knotweed - Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:
 Land Management:
 Animals:
 Other significant observations:

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12177

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 215 Slope (m/km) 10 Flow category (1-10) 2
 BGS Solid geology code 81 BGS Drift geology code 9 Platform category 2
 Distance from source(km) 6 Significant tributary? N Navigation? N
 Height of source(m) 415 Water Quality class 1 RHS Segment type 10

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12177

Grid reference: SN 953077 River: CYNON 46

Date: 6/12/1997 Time: 13:40 Surveyor: DC Accred. code: HD4

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire.
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 deep vee X symmetrical
 gorge asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 11 Unvegetated point bar 4
 Pools 1 Vegetated point bar 1

Output created by IFE, Warrham on 30/03/1998

TE. NO. 12177 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12177

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
woodland/mixed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	/	/
Orchard (OR)			Tilled land (TL)		
moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)	/	/
scrub (SC)	/	/	Open water (OW)		
Tall herbs (TH)			Suburban/urban development (SU)	/	/
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	E	E	Resectioned		
Vertical + toe			Reinforced - whole bank		/
deep >45	/	/	Reinforced - top only		
gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present	E	None	Present	E (>33%)
Waterfall(s)	X			Marginal deadwater	X	
Cascade(s)	X			Exposed bedrock	X	
Rapid(s)	X			Exposed boulders	X	
Riffle(s)			X	Unvegetated mid-channel bar(s)	X	
Run(s)			X	Vegetated mid-channel bar(s)	X	
Boil(s)	X			Mature island(s)	X	
Glide(s)	X			Unvegetated side bar(s)	X	
Pool(s)		X		Vegetated side bar(s)	X	
Ponded reach(es)	X			Discrete silt deposit(s)	X	
				Discrete sand deposit(s)	X	

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12177

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	BO	EA	EA	EA	EA	EA	EA	EA	GS	EA
Bank modification(s)	RI	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SC	SB	NO	EC	EC	NO	EC	EC	NO
CHANNEL										
Channel substrate	BO	BO	BO	BO	CO	CO	CO	CO	BO	BO
Flow type	SM	UW	UW	SM	RP	RP	BW	RP	RP	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	RO	RO	RO	RO	NO
RIGHT BANK										
Material	BO	EA	BO	EA	EA	EA	EA	GS	GS	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	RI	NO	NO	NO
Bank feature(s)	EC	NO	EC	NO	NO	VP	VP	SB	EC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	SC	SU	IG	IG	SC	SC	SU	IG	SC	BL	BL	BL	BL
LAND USE WITHIN 5m OF BANKTOP (L)													
LEFT BANK-TOP	S	S	S	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE	S	C	S	S	S	B	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)													
SC	SU	IG	IG	SC	SC	SU	IG	SC	BL				

G CHANNEL VEGETATION TYPES

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

1997 RIVER HABITAT SURVEY page 4 of 4 12177

L CHANNEL DIMENSIONS

LEFT BANK		CHANNEL		RIGHT BANK	
Banktop height(m)	0.9	Bankfull width (m)	4.8	Banktop height (m)	0.9
Banktop = Bankfull ?	Y	Water width (m)	2.6	Banktop = Bankfull ?	Y
Embanked height (m)	0.0	Water depth (m)	0.15	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated unconsolidated Xunknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
2				Revetments		
				Outfalls	1	
				Fords	1	
				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None
 Waterfalls >5m high Artificial open water Bog Fringing reed-bank
 Braided/side channels Natural open water Carr Floating mat
 Debris dam Water meadow Marsh Other
 Leafy debris Fen Flush

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: SEWAGE
 Land Management:
 Animals:
 Other significant observations: STW -Outfall hidden.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 55 Slope (m/km) 10 Flow category (1-10) 6
 BGS Solid geology code 83 BGS Drift geology code 5 Planform category 2
 Distance from source(km) 25.5 Significant tributary? N Navigation? N
 Height of source(m) 540 Water Quality class 3 RHS Segment type 2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12178

Grid reference: ST 68900 River: RHONDDA I
 Date: 11/82 /1997 Time: 13.25 Surveyor: DS Accred. code: MN59

Adverse conditions? No X Yes
 Bed of river visible? No Part. X Entire
 Duplicate photographs: general character? No Yes X
 Surveyed from: Left X Right X Channel X
 SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

shallow vee X concave/bowl
 deep vee symmetrical
 gorge asymmetrical

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 4 Unvegetated point bar 1
 Pools 0 Vegetated point bar 0

Outpost created by IFE, Warrham on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	E	E
steep >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

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

K EXTENT OF CHANNEL FEATURES

	None	Present E	None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-
Cascade(s)	X	-	Exposed bedrock	-
Rapid(s)	X	-	Exposed boulders	-
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X
Run(s)	-	X	Vegetated mid-channel bar(s)	X
Boil(s)	X	-	Manure island(s)	X
Slide(s)	X	-	Unvegetated side bar(s)	X
Pool(s)	X	-	Vegetated side bar(s)	X
Ponded reach(es)	X	-	Discrete silt deposit(s)	X
			Discrete sand deposit(s)	X

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	BR	BR	GA	EA	EA	BW	BW	BW	BW	BW
Bank modification(s)	RS	RS	RS	RS	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	PB
CHANNEL										
Channel substrate	BE	BO	BE	NV	CO	CO	CO	CO	NV	BE
Flow type	RF	RP	CH	RV	SM	SM	UW	RP	SM	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	RO	RO	NO	NO	NO	RO	RO	RO	RO
RIGHT BANK										
Material	BR	BW	BW	BW	BR	BW	EA	EA	EA	BR
Bank modification(s)	RS	RI	NO	NO	RS	RI	NO	NO	NO	RS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP	B	B	B	B	B	B	B	B	B	B
LEFT BANK FACE	B	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	B	S	S	S	B	S	S	S	S	B
RIGHT BANK-TOP	B	B	B	B	U	B	B	B	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
G CHANNEL VEGETATION TYPES										
NONE					/					/
Liverworts/mosses/lichens					/	/				/
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae	/	/	/	/	/	/	/	/	/	/

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL		RIGHT BANK	
Banktop height(m)	3.0	Bank/full width (m)	30.0	Banktop height (m)
Banktop = Bankfull?	Y	Water width (m)	15.0	Banktop = Bankfull?
Embanked height (m)	0.0	Water depth (m)	0.4	Embanked height (m)

If trashline lower than break in slope, indicate: height above water(m) = 1.75
 Bed material at site is: consolidated X unconsolidated _unknown
 Location of measurement is: riffle X run or glide _ other _

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	1	
Sluices				Outfalls	1	
Culverts				Fords		
Bridges			1	Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging - Mowing - Weed-cutting -
 Enhancement - Other? -

O FEATURES OF SPECIAL INTEREST

None X

Waterfalls >5m high	-	Artificial open water	-	Bog	-	Fringing reed-bank	-
Braided/side channels	-	Natural open water	-	Carr	-	Floating mat	-
Debris dam	-	Water meadow	-	Marsh	-	Other	-
Leafy debris	-	Fen	-	Flush	-		-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed - Himalayan balsam - Japanese knotweed X Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: TIPPING LITTER ROAD INDUSTRY MINING
 Land Management:
 Animals: KINGFISHER DIPPER
 Other significant observations:

S ALDERS

Alders? None - Present X Extensive - Diseased alders? None X Present - Extensive -

1997 RIVER HABITAT SURVEY page 1 of 4 12179

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 65 Slope (m/km) 7 Flow category (1-10) 6
 BGS Solid geology code 83 BGS Drift geology code 5 Platform category 2
 Distance from source(km) 23 Significant tributary? N Navigation? N
 Height of source(m) 540 Water Quality class 3 RHS Segment type 2

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12179

Grid reference: ST 57906 River: RHONDDA 4

Date: 11/02/1997 Time: 14.21 Surveyor: JL Accred. code: PF43

Adverse conditions? No X Yes

Bed of river visible? No Part X Entire

Duplicate photographs: general character? No Yes X

Surveyed from: Left X Right Channel

SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

shallow vee X concave/bowl
 deep vee symmetrical
 gorge asymmetrical

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 3 Unvegetated point bar 0
 Pools 0 Vegetated point bar 0

Outpost created by IFE, Wareham on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
medial/mixed woodland (BL)		E	Rough pasture (RP)		
coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		/
Scrub (SC)	/		Open water (OW)		/
All herbs (TH)	/		Suburban/urban development (SU)	E	E
			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	E	/
deep >45		E	Reinforced - top only		
entire			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E (>33%)		
Waterfall(s)	X	-		
Cascade(s)	-	X		
Rapid(s)	-	X		
Riffle(s)	-	X		
Run(s)	-	X		
Boil(s)	X	-		
Glide(s)	-	X		
Pool(s)	X	-		
Ponded reach(es)	X	-		
		Marginal deadwater	None	Present E (>33%)
		Exposed bedrock	-	X
		Exposed boulders	-	X
		Unvegetated mid-channel bar(s)	X	-
		Vegetated mid-channel bar(s)	X	-
		Mature island(s)	X	-
		Unvegetated side bar(s)	-	X
		Vegetated side bar(s)	-	X
		Discrete silt deposit(s)	X	-
		Discrete sand deposit(s)	X	-

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12179

Spot check 1 is at: upstream end downstream end X

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	BR	BR	BR	EA	BR	BR	BR	BR	BR	BR
Bank modification(s)	RI	RI	RI	NO	RI	RI	RI	RI	RI	RI
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CO	CO	CO	CO	CO	CO	CO	BO	CO	BE
Flow type	UW	RP	RP	UW	UW	RP	RP	UW	BW	BW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	NO	RO	RO	RO	RO	RO	RO	RO	NO
RIGHT BANK										
Material	BW	EA	BR	BO	CO	EA	EA	CO	BE	BE
Bank modification(s)	RI	NO	RI	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SB	SB	NO	NO	VP	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	B	B	B	B	B	B	B	B	B	B
LEFT BANK FACE	B	U	S	S	S	S	U	U	B	B
RIGHT BANK FACE	U	S	U	S	S	S	S	S	U	U
RIGHT BANK-TOP	U	U	U	U	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	BL	BL	BL	BL	BL	BL

G CHANNEL VEGETATION TYPES

	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 linear-leaved										
Submerged fine-leaved										/
Filamentous algae	/	/	/	/	/	/	/	/	/	/

III LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
medial/mixed woodland (BL)		E	Rough pasture (RP)		
coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		/
Scrub (SC)	/		Open water (OW)		/
All herbs (TH)	/		Suburban/urban development (SU)	E	E
			Rock and scree (RS)		

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	E	/
deep >45		E	Reinforced - top only		
entire			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

L CHANNEL DIMENSIONS

LEFT BANK		CHANNEL		RIGHT BANK	
Banktop height(m)	8.0	Bankfull width (m)	35.0	Banktop height (m)	20.0
Banktop = Bankfull?	N	Water width (m)	18.0	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	0.45	Embanked height (m)	0.0

If trushline lower than break in slope, indicate: height above water(m) = 1.5
 Bed material at site is: consolidated X unconsolidated unknown
 Location of measurement is: riffle X run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments		
Sluices				Outfalls		
Culverts				Fords		
Bridges			1	Deflectors		
				Other	1	

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None	-	Artificial open water	-	Bog	-	Fringing reed-bank	-
Waterfalls >5m high	-	Natural open water	X	Carr	-	Floating mat	-
Braided/side channels	-	Water meadow	-	Marsh	X	Other	-
Debris dam	-	Fen	-	Flush	-		-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed E Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: LITTER SEWAGE ROAD HINDING
 Land Management: PARKLAND
 Animals: DIPPER
 Other significant observations: Pipeline on left hand bank.

S ALDERS

Alders? None Present X Extensive Diseased alders? None X Present Extensive

1997 RIVER HABITAT SURVEY page 1 of 4 12181
A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Altitude(m) 85 Slope (m/Lm) 8 Flow category (1-10) 6
BGS Solid geology code R3 BGS Drift geology code 5 Platform category 2
Distance from source(km) 20 Significant tributary? N Navigation? N
Height of source(m) 540 Water Quality class 3 RHS Segment type 6
FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
Reference site number: 12181

Grid reference: ST 34910 River: RHONDDA 10
Date: 11/02 /1997 Time: 14.30 Surveyor: JL Accred. code: PF43
Adverse conditions? No X Yes
Bed of river visible? No Part. X Entire
Duplicate photographs: general character? No Yes X
Surveyed from: Left Right X Channel
SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM
shallow vee X concave/bowl
deep vee symmetrical
gorge asymmetrical
Terraced valley? No X Yes
NUMBER OF RIFLES, POOLS AND POINT BARS
Rifles 3 Unvegetated point bar 0
Pools 0 Vegetated point bar 0
Output created by IFE, Wareham on 30/03/1998

SITE NO. 12181 1997 RIVER HABITAT SURVEY: 500m SWEEP-UP page 3 of 4 12181

II LAND USE WITHIN 50m OF BANKTOP
Table with columns L, R and rows: Broadleaf/mixed woodland (BL), Coniferous plantation (CP), Orchard (OR), Moorland/heath (MH), Scrub (SC), Tall herbs (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), Rock and scree (RS)

BANK PROFILES
Table with columns L, R and rows: Natural/unmodified, Vertical/undercut, Vertical + toe, Deep >45, Gentle, Composite, Artificial/modified, Resectioned, Reinforced - whole bank, Reinforced - top only, Reinforced - toe only, Artificial two-stage, Poached, Embanked, Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES
TREES: None, Isolated/scattered, Regularly spaced, single, Occasional clumps, Semi-continuous, Continuous
ASSOCIATED FEATURES: None, Present E (>33%), Shading of channel, Overhanging boughs, Exposed bankside roots, Underwater tree roots, Fallen trees, Coarse woody debris

K EXTENT OF CHANNEL FEATURES
Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Boil(s), Glide(s), Pool(s), Ponded reach(es), 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), Discrete silt deposit(s), Discrete sand deposit(s)

1997 RIVER HABITAT SURVEY: TEN SPOT CHECKS page 2 of 4 12181
Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES
LEFT BANK: Material, Bank modification(s), Bank feature(s)
CHANNEL: Channel substrate, Flow type, Channel modification(s), Channel feature(s)
RIGHT BANK: Material, Bank modification(s), Bank feature(s)

F BANKTOP LAND USE AND VEGETATION STRUCTURE
LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, LAND USE WITHIN 5m OF BANK TOP (R)

G CHANNEL VEGETATION TYPES
NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae

1997 RIVER HABITAT SURVEY page 4 of 4 (12181)

L CHANNEL DIMENSIONS
LEFT BANK: Banktop height(m), Banktop = Bankfull?, Embanked height (m)
CHANNEL: Bankfull width (m), Water width (m), Water depth (m)
RIGHT BANK: Banktop height (m), Banktop = Bankfull?, Embanked height (m)

M ARTIFICIAL FEATURES
Weirs, Sluices, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other

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

N EVIDENCE OF RECENT MANAGEMENT
None X Dredging Mowing Weed-cutting Enhancement Other?

O FEATURES OF SPECIAL INTEREST
None X, Waterfalls >5m high, Braided/side channels, Debris dam, Leafy debris, Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Fringing reed-bank, Floating mat, Other

P CHOKED CHANNEL
Is 33% or more of the channel choked with vegetation? NO X YES

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = brambles, 6 = moss)
None Giant hogweed Himalayan balsam Japanese knotweed X Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)
Major impacts: LITTER ROAD HOUSING
Land Management:
Animals:
Other significant observations: Urban site

S ALDERS
Alders? None Present X Extensive Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)	
Altitude(m)	95 Slope (m/km) 8 Flow category (1-10) 6
BGS Solid geology code	83 BGS Dntf geology code 5 Planform category 2
Distance from source(km)	19 Significant tributary? Y Navigation? N
Height of source(m)	540 Water Quality class 3 RHS Segment type 6
FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed <input type="checkbox"/>	
Reference site number: 12182	

Grid reference:	ST 27912	River:	RHONDDA 13				
Date:	12/02/1997	Time:	13.45	Surveyor:	DS	Accred. code:	MN59
Adverse conditions? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>							
Bed of river visible? No <input type="checkbox"/> Part. <input checked="" type="checkbox"/> Entire. <input type="checkbox"/>							
Duplicate photographs: general character? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>							
Surveyed from: Left <input type="checkbox"/> Right <input checked="" type="checkbox"/> Channel <input type="checkbox"/>							
SERCON survey in addition? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>							

C PREDOMINANT VALLEY FORM	
shallow vee	X concave/bowl
deep vee	symmetrical
gorge	asymmetrical
Terraced valley?	No <input type="checkbox"/> Yes <input type="checkbox"/>
NUMBER OF RIFILES, POOLS AND POINT BARS	
Riffles	4 Unvegetated point bar 2
Pools	0 Vegetated point bar 0
Output created by IFE, Wareham on 30/03/1998	

H LAND USE WITHIN 50m OF BANKTOP			
	L	R	R
roadleaf/mixed woodland (BL)			Rough pasture (RP)
Coniferous plantation (CP)			Improved/semi-improved grass (IG)
Orchard (OR)			Tilled land (TL)
Moorland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)
Scrub (SC)	/		Open water (OW)
Fall herbs (TH)			Suburban/urban development (SU)
			Rock and scree (RS)
BANK PROFILES			
Natural/unmodified	L	R	Artificial/modified
Vertical/undercut			Resectioned
Vertical + toe			Reinforced - whole bank
Deep >45			Reinforced - top only
Grade			Reinforced - toe only
Composite			Artificial two-stage
			Poached
			Embanked
			Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES					
TREES		ASSOCIATED FEATURES			
None	Left	Right	None	Present	E (>33%)
Isolated/scattered	X	X	X	-	-
Regularly spaced, single	-	-	X	-	-
Occasional clumps	-	-	X	-	-
Semi-continuous	-	-	X	-	-
Continuous	-	-	X	-	-

K EXTENT OF CHANNEL FEATURES					
Waterfall(s)	None	Present	E	Marginal deadwater	None Present E (>33%)
Cascade(s)	X	-	-	Exposed bedrock	- X -
Rapid(s)	-	X	-	Exposed boulders	- X -
Riffle(s)	-	X	-	Unvegetated mid-channel bar(s)	X - -
Run(s)	-	-	X	Vegetated mid-channel bar(s)	X - -
Boil(s)	X	-	-	Mature island(s)	X - -
Slide(s)	X	-	-	Unvegetated side bar(s)	X - -
Pool(s)	X	-	-	Vegetated side bar(s)	X - -
Ponded reach(es)	-	X	-	Discrete silt deposit(s)	X - -
				Discrete sand deposit(s)	X - -

Spot check 1 is at: upstream end <input type="checkbox"/> X downstream end <input checked="" type="checkbox"/>										
E PHYSICAL ATTRIBUTES										
	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	BR	BR	BR	BR	BR	BR	BR	BR	BR	BR
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	FB	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	AR	BO	BO	BO	NV	BO	BO	BO	BE	BE
Flow type	UW	SM	UW	FF	RP	RP	RP	RP	RP	SM
Channel modification(s)	RS	RS	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	RO	RO	RO	RO	NO	RO	NO
RIGHT BANK										
Material	BR	BR	BR	BR	BR	GS	GA	GA	GA	BR
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										
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	B	B	B	B	B	B	B	B	B	B
LEFT BANK FACE	B	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE	B	B	B	B	B	B	B	B	B	B
RIGHT BANK-TOP	B	B	B	S	S	B	B	B	B	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SC
G CHANNEL VEGETATION TYPES										
NONE						NV			NV	NV
Liverworts/mosses/lichens	/	/	/	/						/
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae	/	/	/	/			/	/		/

1997 RIVER HABITAT SURVEY page 4 of 4 12182				
L CHANNEL DIMENSIONS				
LEFT BANK		CHANNEL		RIGHT BANK
Banktop height(m)	4.0	Bankfull width (m)	16.5	Banktop height (m) 6.0
Banktop = Bankfull?	Y	Water width (m)	16.5	Banktop = Bankfull? N
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m) 0.0
* If trashline lower than break in slope, indicate: height above water(m) = 2.5				
Bed material at site is: consolidated <input type="checkbox"/> unconsolidated <input type="checkbox"/> unknown <input checked="" type="checkbox"/>				
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/>				
M ARTIFICIAL FEATURES				
None	Major	Intermediate	Minor	Major Intermediate Minor
Weirs	I			Revetments I
Sluices				Outfalls
Culverts				Fords
Bridges	I			Deflectors
				Other
Is water impounded by weir/dam? No <input type="checkbox"/> Yes, <33% of site <input type="checkbox"/> >33% of site <input type="checkbox"/>				

N EVIDENCE OF RECENT MANAGEMENT				
None	X	Dredging	Mowing	Weed-cutting
		Enhancement	Other?	
O FEATURES OF SPECIAL INTEREST				
None	X	Artificial open water	Bog	Fringing reed-bank
Waterfalls >5m high	-	Natural open water	Carr	Floating mat
Braided/side channels	-	Water meadow	Marsh	Other
Debris dam	-	Fen	Flush	

P CHOKED CHANNEL	
Is 33% or more of the channel choked with vegetation?	NO <input type="checkbox"/> X YES <input type="checkbox"/>

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)	
None	Giant hogweed <input type="checkbox"/> Himalayan balsam <input type="checkbox"/> Japanese knotweed <input checked="" type="checkbox"/> Other? <input type="checkbox"/>
R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)	
Major impacts:	LITTER SEWAGE ROAD INDUSTRY
Land Management:	
Animals:	DIPPER
Other significant observations:	Moved from R13 to R12 due to bad access.

S ALDERS	
Alders? None	X Present <input type="checkbox"/> Extensive <input type="checkbox"/> Diseased alders? None <input checked="" type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/>

1997 RIVER HABITAT SURVEY page 1 of 4 12183

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m) 105 Slope (m/km) 6.7 Flow category (1-10) 6
 BGS Solid geology code 83 BGS Drift geology code 5 Planform category 2
 Distance from source(km) 17.5 Significant tributary? N Navigation? N
 Height of source(m) 540 Water Quality class 3 RHS Segment type 6

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12183

Grid reference: ST 11918 River: RHONDRA 16"

Date: 12/02 /1997 Time: 15.30 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 deep vee symmetrical
 gorge asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 5 Unvegetated point bar 1
 Pools 0 Vegetated point bar 0

Outlet created by IFE, Wareham on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
Woodland/mixed woodland (BL)	/		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)		/	Wetland (eg bog, marsh, fen)(WL)		
Shrub (SC)	E		Open water (OW)		
Field herbs (TH)	/		Suburban/urban development (SU)	/	E
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut			Resectioned		
Vertical + toe			Reinforced - whole bank	/	E
Deep >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

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)	X		Exposed bedrock		X
Rapid(s)		X	Exposed boulders		X
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Slide(s)	X		Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reaches	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10	
LEFT BANK											
Material	BR	RR	EA	EA	EA	EA	EA	EA	RR	RR	
Bank modification(s)	RS	RS	RI	NO	NO	NO	NO	NO	RS	RS	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
CHANNEL											
Channel substrate	BO	BE	BO	BO	CO	CO	BO	BO	BO		
Flow type	RP	RP	RP	RP	RP	RP	UW	RP	RP	UW	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	RO	RO	RO	RO	RO	RO	RO	RO	RO	RO	
RIGHT BANK											
Material	EA	EA	EA	EA	EA	EA	EA	RR	EA	EA	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	RS	RI	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	PB	

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	SU	SU	SU	SU	SC	SC	SC	SC	SC	SC
LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SC	SC	SC	SC	SC	SC
LEFT BANK-TOP	B	B	B	B	S	S	S	S	S	S
LEFT BANK FACE	B	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	B	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	SC	MH	MH	SU	SC	SC	SU	SU	SU	SU

G CHANNEL VEGETATION TYPES

	NV	NV	NV	NV	NV					
NONE										NV
Liverworts/mosses/lichens								/		/
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved										
Filamentous algae	/	/	/	/	/	/	/	/	/	/

L CHANNEL DIMENSIONS

		CHANNEL		RIGHT BANK	
LEFT BANK					
Banktop height(m)	3.0	Bank/full width (m)	20.0	Banktop height (m)	3.0
Banktop = Bankfull?	Y	Water width (m)	10.0	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	0.45	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 1.2

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
				1		
Weirs				Revetments		
Sluices				Ourlfalls		
Culverts				Fords		
Bridges				Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None	X			
Waterfalls >5m high		Artificial open water		Bog
Braided/side channels		Natural open water		Carr
Debris dam		Water meadow		Marsh
Leafy debris		Fen		Flush
				Fringing reed-bank
				Floating mat
				Other

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: TIPPING LITTER RAIL HOUSING
 Land Management: ABANDONED LAND
 Animals:
 Other significant observations:

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	125	Slope (m/km)	5	Flow category (1-10)	5
BGS Solid geology code	83	BGS Drift geology code	5	Platform category	2
Distance from source(km)	16.5	Significant tributary?	N	Navigation?	N
Height of source(m)	540	Water Quality class	3	RHS Segment type	5

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12184

Grid reference: SS 99921 River: RHONDDA 19

Date: 8/02 /1997 Time: 12.11 Surveyor: JL Accred. code: PF43

Adverse conditions? No Yes

Bed of river visible? No Part Entire

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee		X	concave/bowl
deep vee			symmetrical
gorge			asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	4	Unvegetated point bar	3
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
roadleaf/mixed woodland (BL)	/	/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
rub (SC)	/	E	Open water (OW)		
tall herbs (TH)	/	E	Suburban/urban development (SU)	E	E
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank	E	E
Deep >45	/	/	Reinforced - top only		
Side			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present	E		None	Present	E (>33%)
Waterfall(s)	X	-	-	Marginal deadwater	-	X	-
Cascade(s)	X	-	-	Exposed bedrock	X	-	-
Rapid(s)	-	X	-	Exposed boulders	-	X	-
Riffle(s)	-	-	X	Unvegetated mid-channel bar(s)	X	-	-
Run(s)	-	-	X	Vegetated mid-channel bar(s)	X	-	-
Boil(s)	X	-	-	Mature island(s)	X	-	-
Glide(s)	-	X	-	Unvegetated side bar(s)	-	X	-
Pool(s)	X	-	-	Vegetated side bar(s)	X	-	-
Ponded reaches	X	-	-	Discrete silt deposit(s)	X	-	-
				Discrete sand deposit(s)	X	-	-

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	CC	RR	BR	BR	BR	BR	BR	EA	EA	CO
Bank modification(s)	RI	RI	RI	RI	RI	RI	RI	RI	NO	NO
Bank feature(s)	NO	NO	PB	NO	NO	NO	NO	NO	NO	PB
CHANNEL										
Channel substrate	CO	CO	CO	BO	BO	CO	CO	BO	BO	BO
Flow type	UW	RP	RP	RP	RP	BW	RP	RP	UW	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	TR	NO	NO	RO	RO	NO	NO	RO	RO
RIGHT BANK										
Material	EA	BR	CO	CC	CO	CO	BR	CO	CO	CO
Bank modification(s)	NO	RI	NO	RI	NO	NO	RI	NO	NO	NO
Bank feature(s)	NO	NO	EC	NO	NO	NO	NO	SB	NO	EC

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP	B	B	U	B	B	B	B	B	B	U
LEFT BANK FACE	U	B	B	B	U	U	B	B	S	S
RIGHT BANK FACE	S	B	B	S	S	U	B	S	S	U
RIGHT BANK-TOP	U	B	U	B	B	S	S	U	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	TH	SU	SU	SC	SU	SU	SC	TH

G CHANNEL VEGETATION TYPES

NONE	/									
Liverworts/mosses/lichens			/	/			/	/	/	/
Emergent broad-leaved herbs										
Emergent reeds/hedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved									/	/
Filamentous algae	/	/	/	/	/	/	/	/	/	/

L CHANNEL DIMENSIONS

	CHANNEL		RIGHT BANK		
LEFT BANK					
Banktop height(m)	3.5	Bankfull width (m)	21.5	Banktop height (m)	2.0
Banktop = Bankfull?	N	Water width (m)	9.5	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	0.4	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major			Intermediate			Minor						
	Weirs	Revetments	1	Sluices	Outfalls	2	Culverts	Fords	3	Bridges	Deflectors	4	Other

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None <input checked="" type="checkbox"/>					
Waterfalls >5m high	-	Artificial open water	-	Bog	-
Braided/side channels	-	Natural open water	-	Carr	-
Debris dam	-	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 (Others: 1 = nettles, 2 = ribworted/creeping, 3 = bracken, 4 = ground elder, 5 = bramble, > more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: LITTER ROAD
Land Management:
Animals:
Other significant observations: Urban debris/trash.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	130	Slope (m/km)	5	Flow category (1-10)	5
BGS Solid geology code	83	BGS Drift geology code	5	Planform category	2
Distance from source(km)	15	Significant tributary?	N	Navigation?	N
Height of source(m)	540	Water Quality class	1.5	RHS Segment type	5

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12185

Grid reference: SS 995933 River: RHONDDA 22
 Date: 12/02 /1997 Time: 11.05 Surveyor: DS Accred. code: MN59

Adverse conditions? No Yes
 Bed of river visible? No Part. Entire
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel

C SERCON survey in addition? No Yes
 D PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 deep vee symmetrical
 gorge asymmetrical
 Terraced valley? No Yes

E NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 5 Unvegetated point bar 2
 Pools 0 Vegetated point bar 0

Output created by IFE, Wrexham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
hatched/mixed woodland (BL)	/	/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/Semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Open water (SC)	E	/	Open water (OW)		
Tall herbs (TH)	/	/	Suburban/urban development (SU)	E	E
			Rock and scree (RS)		

I BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified			Resectioned		
Vertical/undercut			Reinforced - whole bank	E	E
Vertical + toe			Reinforced - top only		
Step >45	E	/	Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		
			None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	X
Cascade(s)	X	-	Exposed bedrock	X
Rapid(s)	X	-	Exposed boulders	X
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X
Run(s)	-	X	Vegetated mid-channel bar(s)	X
Boil(s)	X	-	Mature island(s)	X
Glide(s)	X	-	Unvegetated side bar(s)	X
Pool(s)	X	-	Vegetated side bar(s)	X
Ponded reach(es)	X	-	Discrete silt deposit(s)	X
			Discrete sand deposit(s)	X

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	CC	CC	CC	GA	RR	RR	BR	CC	EA	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	PB	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CO	BO	CO	CO	BO	BO	P	CO	CO	BO
Flow type	UW	RP	RP	RP	UW	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	RO	RO	NO	RO	RO	RO	RO	RO	NO
RIGHT BANK										
Material	CC	CC	CC	EA	EA	EA	BR	EA	BR	EA
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	PB	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

	SC	SC	SC	SC	SC	SC	SU	SU	SU	SU
LAND USE WITHIN 5m OF BANKTOP (L)										
LEFT BANK-TOP	S	S	S	S	S	S	B	B	B	B
LEFT BANK FACE	S	S	S	S	S	S	B	B	S	S
RIGHT BANK FACE	S	S	S	S	S	S	B	S	S	S
RIGHT BANK-TOP	B	B	B	B	B	B	B	B	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU

G CHANNEL VEGETATION TYPES

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

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
hatched/mixed woodland (BL)	/	/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/Semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Woodland/heath (MH)			Wetland (eg bog, marsh, fen)(WL)		
Open water (SC)	E	/	Open water (OW)		
Tall herbs (TH)	/	/	Suburban/urban development (SU)	E	E
			Rock and scree (RS)		

I BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified			Resectioned		
Vertical/undercut			Reinforced - whole bank	E	E
Vertical + toe			Reinforced - top only		
Step >45	E	/	Reinforced - toe only		
Gentle			Artificial two-stage		
Composite			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		
			None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	X
Cascade(s)	X	-	Exposed bedrock	X
Rapid(s)	X	-	Exposed boulders	X
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X
Run(s)	-	X	Vegetated mid-channel bar(s)	X
Boil(s)	X	-	Mature island(s)	X
Glide(s)	X	-	Unvegetated side bar(s)	X
Pool(s)	X	-	Vegetated side bar(s)	X
Ponded reach(es)	X	-	Discrete silt deposit(s)	X
			Discrete sand deposit(s)	X

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	Bankfull width (m)	Banktop height (m)
8.0	25.5	9.0
Banktop = Bankfull?	Water width (m)	Banktop = Bankfull?
Y	9.75	N
Embanked height (m)	Water depth (m)	Embanked height (m)
0.0	0.4	0.0

If trashline lower than break in slope, indicate: height above water(m) = 1.5
 Bed material at site is: consolidated unconsolidated Unknown
 Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major			Intermediate			Minor		
	Major	Intermediate	Minor	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs	I			Revetments	I				
Sluices				Outfalls					
Culverts				Fords					
Bridges	2			Deflectors					
				Other					

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None			
Waterfalls >5m high	-	Artificial open water	-
Braided/side channels	-	Natural open water	-
Debris dam	-	Water meadow	-
Leafy debris	-	Fen	-
		Bog	-
		Carr	-
		Marsh	-
		Other	-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impact: TIPPING LITTER ROAD RAIL INDUSTRY
 Land Management:
 Animals:
 Other significant observations:

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	135	Slope (m/km)	5	Flow category (1-10)	5
BGS Solid geology code	B3	BGS Drift geology code	5	Platform category	2
Distance from source(km)	13.5	Significant tributary?	N	Navigation?	N
Height of source(m)	540	Water Quality class	1.5	RHS Segment type	5

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12186

Grid reference: SS 995945 River: RHONDDA 25

Date: 12/02 /1997 Time: 10.20 Surveyor: JL. Accred. code: PF43

Adverse conditions? No Yes

Bed of river visible? No Part. Entire.

Duplicate photographs: general character? No Yes

Surveyed from: Left Right Channel

SERCON survey in addition? No Yes

PREDOMINANT VALLEY FORM

- shallow vee	<input checked="" type="checkbox"/>	concave/bowl
- deep vee	<input type="checkbox"/>	symmetrical
- gorge	<input type="checkbox"/>	asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	5	Unvegetated point bar	0
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP

	L	R	L	R
Radical/mixed woodland (BL)	E	/		
Coniferous plantation (CP)				
Orchard (OR)				
Woodland/heath (MH)				
Grassland (SC)				
Tall herbs (TH)	/	E		E

Suburban/urban development (SU) E E

Rock and scree (RS)

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Critical/undercut		/	Resectioned		
Vertical + toe			Reinforced - whole bank	/	E
Top > 45	E	E	Reinforced - top only	/	
Shingle		/	Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)		X	Exposed boulders		X
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Glide(s)	X		Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	GS	CO	BO	EA	CO	CO	BO	BO	BR	BO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	RI	RI
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate	CO	CO	CO	BO	BO	CO	NV	CO	CO	CO
Flow type	UW	UW	RP	UW	UW	UW	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	NO	NO	RO	RO	NO	NO	NO	NO	NO
RIGHT BANK										
Material	CO	EA	EA	CO	CO	CO	BR	BR	BR	BR
Bank modification(s)	NO	NO	NO	NO	NO	NO	RI	RI	RI	RI
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
F BANKTOP LAND USE AND VEGETATION STRUCTURE										
LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP	U	U	B	B	B	B	B	B	B	B
LEFT BANK FACE	U	U	S	S	S	S	S	C	S	S
RIGHT BANK FACE	S	S	S	U	U	U	B	B	B	S
RIGHT BANK-TOP	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 CHANNEL VEGETATION TYPES										
NONE			/						/	
Liverworts/mosses/lichens					/					/
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged linear-leaved										
Submerged fine-leaved	/				/				/	
Filamentous algae	/	/	/		/		/	/	/	/

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	6.0	Bankfull width (m) 22.5 Banktop height (m) 3.5
Banktop = Bankfull?	N	Water width (m) 11.5 Banktop = Bankfull? N
Embanked height (m)	0.0	Water depth (m) 0.3 Embanked height (m) 0.0

If trashline lower than break in slope, indicate: height above water(m) = 1.5

Bed material at site is: consolidated unconsolidated unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Revetments					1	
Outfalls						
Fords						
Deflectors						
Other				2		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting

Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None

Waterfalls >5m high	Artificial open water	X	Bog	Fringing reed-bank
Braided/side channels	Natural open water		Carr	Floating mat
Debris dam	Water meadow		Marsh	Other
Leafy debris	Fen		Flush	

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: LITTER RAIL HOUSING

Land Management:

Animals:

Other significant observations: Two pipes (1m in diameter) on either side of channel.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Table with columns for various parameters: Altitude(m), Slope (m/km), Flow category (1-10), BGS Solid geology code, BGS Drift geology code, Platform category, Distance from source(km), Significant tributary?, Navigation?, Height of source(m), Water Quality class, RHS Segment type.

Grid reference: SS 984951 River: RHONDDA 28
Date: 12/02 /1997 Time: 9.35 Surveyor: DS Accred. code: MN59
Adverse conditions? No X Yes
Bed of river visible? No Part. Entire. X
Duplicate photographs: general character? No Yes X
Surveyed from: Left Right Channel X
SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM
Table with columns for valley forms: shallow vee, deep vee, gorge, terraced valley? and their characteristics.

NUMBER OF RIFFLES, POOLS AND POINT BARS
Riffles: 3 Unvegetated point bar: 0
Pools: 0 Vegetated point bar: 0

Output created by IFE, Wareham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP
Table with columns for land use types (Broadleaf/mixed woodland, Coniferous plantation, Orchard, Moorland/heath, Scrub, Tall herbs) and their presence on Left and Right banks.

BANK PROFILES
Table with columns for bank profiles (Natural/unmodified, Vertical/undercut, Vertical + toe, Steep >45, Gentle, Composite) and their characteristics (Artificial/modified, Resectioned, Reinforced - whole bank, etc.).

J EXTENT OF TREES AND ASSOCIATED FEATURES
Table with columns for trees (None, Isolated/scattered, Regularly spaced, Occasional clumps, Semi-continuous, Continuous) and associated features (Shading of channel, Overhanging boughs, Exposed bankside roots, etc.).

K EXTENT OF CHANNEL FEATURES
Table with columns for channel features (Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Boil(s), Glider(s), Pool(s), Pooled reach(es)) and their presence/absence.

Spot check 1 is at: upstream end downstream end X

E PHYSICAL ATTRIBUTES
Table with columns for physical attributes (LEFT BANK, CHANNEL, RIGHT BANK) and their characteristics (Material, Bank modification(s), Bank feature(s), Channel substrate, Flow type, Channel modification(s), Channel feature(s)).

F BANKTOP LAND USE AND VEGETATION STRUCTURE
Table with columns for land use and vegetation structure (LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, LAND USE WITHIN 5m OF BANK TOP (R)).

G CHANNEL VEGETATION TYPES
Table with columns for channel vegetation types (NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae).

L CHANNEL DIMENSIONS
Table with columns for channel dimensions (LEFT BANK, CHANNEL, RIGHT BANK) and their characteristics (Banktop height(m), Bankfull width(m), Banktop = Bankfull?, Water width(m), Water depth(m), Embanked height(m), Embanked height(m)).

M ARTIFICIAL FEATURES
Table with columns for artificial features (Weirs, Sluices, Culverts, Bridges) and their characteristics (Major, Intermediate, Minor, Revetments, Outfalls, Fords, Deflectors, Other).

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

N EVIDENCE OF RECENT MANAGEMENT
Table with columns for evidence of recent management (None, Dredging, Mowing, Wood-cutting, Enhancement, Other?).

O FEATURES OF SPECIAL INTEREST
Table with columns for features of special interest (None, Waterfalls >5m high, Braided/side channels, Debris dam, Leafy debris, Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Fringing reed-bank, Floating mat, Other).

P CHOKED CHANNEL
Is 33% or more of the channel choked with vegetation? NO X YES

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)
None Giant hogweed Himalayan balsam Japanese knotweed X Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)
Major impacts: LITTER HOUSING RAIL INDUSTRY
Land Management:
Animals:
Other significant observations:

S ALDERS
Alders? None Present X Extensive Diseased alders? None X Present Extensive

Altitude(m) 158 Slope (m/km) 6 Flow category (1-10) 4
 BGS Solid geology code 82 BGS Drift geology code 5 Platform category 2
 Distance from source(km) 9 Significant tributary? N Navigation? N
 Height of source(m) 540 Water Quality class 1.5 RHS Segment type 8

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
 Reference site number: 12188
 Grid reference: SS 961966 River: RHONDDA 35
 Date: 2/12 /1997 Time: 14.40 Surveyor: CS Accred. code: HD2
 Adverse conditions? No Yes
 Bed of river visible? No Part Entire
 Duplicate photographs: general character? No Yes X
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes Y

PREDOMINANT VALLEY FORM

shallow vee concave/bowl
 deep vee X symmetrical
 gorge asymmetrical

Terraced valley? No Yes
 NUMBER OF RIFFLES, POOLS AND POINT BARS
 Riffles 3 Unvegetated point bar 0
 Pools 0 Vegetated point bar 0

Output created by IFE, Wareham on 30/03/1998

PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	BR	BR	BR	BR	BR	BR	BR	BR	BR	BR
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	SB	NO	NO	NO	VS	SB	NO	NO	NO
CHANNEL										
Channel substrate	CO	CO	NV	CO	CO	CO	CO	CO	CO	CO
Flow type	UW	RP	RP	RP	RP	UW	RP	UW	UW	UW
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	CA	BR	EA	BR	BR	BR	BR	BR	BR	BR
Bank modification(s)	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank feature(s)	NO	NO	NO	SB	NO	NO	NO	NO	VS	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE

	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP	B	B	B	B	B	B	B	B	B	S
LEFT BANK FACE	B	B	S	B	B	B	B	B	B	U
RIGHT BANK FACE	S	B	B	S	B	B	B	B	B	B
RIGHT BANK-TOP	B	B	B	B	B	B	B	B	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU

CHANNEL VEGETATION TYPES

NONE	NV												
Liverworts/mosses/lichens		/											/
Emergent broad-leaved herbs												/	/
Emergent reeds/sedges/rushes								/					/
Floating-leaved (rooted)													
Free-floating													
Amphibious		/	/		/	/	/	/	/	/	/	/	/
Submerged broad-leaved													
Submerged linear-leaved													
Submerged fine-leaved													
Filamentous algae													

LAND USE WITHIN 50m OF BANKTOP

	L	R	L	R
Broadleaf/mixed woodland (BL)				
Coniferous plantation (CP)				
Orchard (OR)				
Moorland/heath (MH)				
Scrub (SC)				
Tall herbs (TH)				
			E	E

BANK PROFILES

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank	E	E
Deep >45			Reinforced - top only		/
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES

	None	Present E (>33%)		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)	X		Exposed bedrock	X	
Rapid(s)	X		Exposed boulders	X	
Riffle(s)		X	Unvegetated mid-channel bar(s)	X	
Run(s)		X	Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Glide(s)	X		Unvegetated side bar(s)		X
Pool(s)	X		Vegetated side bar(s)		X
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

CHANNEL DIMENSIONS

	CHANNEL		RIGHT BANK		
Left Bank					
Banktop height(m)	2.5	Bankfull width (m)	18.0	Banktop height (m)	2.0
Banktop = Bankfull?	N	Water width (m)	18.0	Banktop = Bankfull?	Y
Embanked height (m)	0.0	Water depth (m)	*	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0
 Bed material at site is: consolidated - unconsolidated - Unknown
 Location of measurement is: riffle X run or glide - other

ARTIFICIAL FEATURES

	Major			Intermediate			Minor		
	1	2	3	4	5	6	7	8	9
Weirs									
Stuices									
Culverts									
Bridges		1	1						

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

EVIDENCE OF RECENT MANAGEMENT

None <input checked="" type="checkbox"/>	Dredging	Mowing	Weed-cutting
	Enhancement	Other?	

FEATURES OF SPECIAL INTEREST

None <input checked="" type="checkbox"/>	Artificial open water	Bog	Fringing reed-bank
Waterfalls >5m high	Natural open water	Carr	Floating mat
Branded/side channels	Water meadow	Marsh	Other
Debris dam	Fen	Flush	

CHOKED CHANNEL

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

NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = brambles, * more)

None <input type="checkbox"/>	Giant hogweed	Himalayan balsam	Japanese knotweed	X Other?
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OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: ROAD HOUSING
 Land Management:
 Animals: DIPPER
 Other significant observations: Fast flowing river through a busy town & housing estate.

ALDERS

Alders? None <input type="checkbox"/>	Present <input checked="" type="checkbox"/>	Extensive <input type="checkbox"/>	Diseased alders? None <input checked="" type="checkbox"/>	Present <input type="checkbox"/>	Extensive <input type="checkbox"/>
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A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	170	Slope (m/km)	6	Flow category (1-10)	4
BGS Solid geology code	82	BGS Drift geology code	5	Planform category	2
Distance from source(km)	8	Significant tributary?	N	Navigation?	N
Height of source(m)	540	Water Quality class	1.5	RHS Segment type	8

C FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12189

Grid reference: SS 951974 River: RHONDDA 38

Date: 2/12 /1997 Time: 12.00 Surveyor: ZR Accred. code: HDI

Adverse conditions? No - Yes X

Bed of river visible? No - Part. X Entire -

Duplicate photographs: general character? No - Yes X

Surveyed from: Left - Right X Channel X

SERCON survey in addition? No - Yes Y

C PREDOMINANT VALLEY FORM

shallow vee	-	concave/bowl	
deep vee	-	symmetrical	
gorge	X	asymmetrical	

Terraced valley? No X Yes -

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	3	Unvegetated point bar	1
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 30/3/1998

H LAND USE WITHIN 50m OF BANKTOP

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

BANK PROFILES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank	E	E
Deep >45	/	/	Reinforced - top only		
Shingle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X	-	Marginal deadwater	-	X
Cascade(s)	-	X	Exposed bedrock	X	-
Rapid(s)	-	X	Exposed boulders	-	X
Riffles	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glides	X	-	Unvegetated side bar(s)	X	-
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

LEFT BANK

Material	BR	BR	CC	EA	EA	CC	BR	EA			
Bank modification(s)	RS	RI	RS	RI	RS	RI	RS	RI	RS	RI	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	

CHANNEL

Channel substrate	CO	NV	P	CO	NV	CO	P	CO
Flow type	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

Material	BR	BR	CC	BR	BR	BR	EA	EA		
Bank modification(s)	RS	RI	RS	RI	RS	RI	RS	RI	RS	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO		

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP	B	B	B	S	S	B	S	S
LEFT BANK FACE	B	B	S	S	S	S	S	S
RIGHT BANK FACE	S	S	S	S	S	S	S	S
RIGHT BANK-TOP	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SU	SU	SU	SC	SC	SC	IG

G CHANNEL VEGETATION TYPES

NONE		NV	NV	NV	NV	NV			
Liverworts/mosses/lichens	/	/	/	/	/	/	/	/	
Emergent broad-leaved herbs	/	/						/	
Emergent reeds/sedges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious	/	/	/	/	/	/	/	/	
Submerged broad-leaved									
Submerged linear-leaved								/	
Submerged fine-leaved									
Filamentous algae									

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK			
Banktop height(m)	3.5	Bankfull width (m)	14.5	Banktop height (m)	3.75
Banktop = Bankfull?	Y	Water width (m)	7.5	Banktop = Bankfull?	N
Embanked height (m)	0.0	Water depth (m)	0.4	Embanked height (m)	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated - unconsolidated X unknown

Location of measurement is: riffle X run or glide - other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs				Revetments	1	
Sluices				Outfalls	5	
Culverts				Fords		
Bridges		2		Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None	X	Dredging	-	Mowing	-	Weed-cutting	-
		Enhancement	-	Other?	-		

O FEATURES OF SPECIAL INTEREST

None	X						
Waterfalls >5m high	-	Artificial open water	-	Bog	-	Fringing reed-bank	-
Braided/side channels	-	Natural open water	-	Carr	-	Floating mat	-
Debris dam	-	Water meadow	-	Marsh	-	Other	-
Leafy debris	-	Fen	-	Flush	-		-

P CHOKED CHANNEL Is 33% or more of the channel choked with vegetation? NO X YES

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = brambles, + more)

None - Giant hogweed - Himalayan balsam - Japanese knotweed X Other -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: TIPPING LITTER HOUSING ROAD INDUSTRY

Land Management:

Animals: DIPPER GREY WAGTAIL

Other significant observations: Difficult access. No access to spot checks 3 & 5.

S ALDERS Alders? None - Present X Extensive - Diseased alders? None X Present - Extensive -

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions) Table with fields: Altitude(m), BGS Solid geology code, Distance from source(km), Height of source(m), Slope (m/km), BGS Drift geology code, Significant tributary?, Water Quality class, Flow category (1-10), Planform category, Navigation?, RHS Segment type.

C FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed Reference site number: 12190 Grid reference: SS 936985 River: RHONDDA 42 Date: 2/12 /1997 Time: 10.35 Surveyor: CS Accred. code: HD2

C PREDOMINANT VALLEY FORM shallow vee concave/bowl, deep vee X symmetrical, gorge asymmetrical, Teraoed valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS Riffles 1 Unvegetated point bar 0 Pools 0 Vegetated point bar 0 Output created by IFE, Warrham on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP Table with columns: L, R, Land Use (Broadleaf/mixed woodland, Coniferous plantation, Orchard, Moorland/heath, Scrub, Tall herbs), L, R.

BANK PROFILES Natural/unmodified, Vertical/undercut, Vertical + toe, Steep >45, Gentle, Composite. Columns: L, R, Artificial/modified, L, R.

J EXTENT OF TREES AND ASSOCIATED FEATURES TREES: None, Isolated/scattered, Regularly spaced, single, Occasional clumps, Semi-continuous, Continuous. ASSOCIATED FEATURES: Shading of channel, Overhanging boughs, Exposed bankside roots, Underwater tree roots, Fallen trees, Coarse woody debris.

K EXTENT OF CHANNEL FEATURES Table with columns: Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Pool(s), Glide(s), Profl(s), Ponded reach(es), None, Present, E, 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), Discrete silt deposit(s), Discrete sand deposit(s), None, Present, E (>33%).

Spot check 1 is at: upstream end - downstream end X

E PHYSICAL ATTRIBUTES Table with columns 1-10

LEFT BANK Material, Bank modification(s), Bank feature(s) table with columns: BR, BR, BW, BR, BR, NO, NO, NO, NO, NO.

CHANNEL Channel substrate, Flow type, Channel modification(s), Channel feature(s) table with columns: P, CO, CO, CO, CO, RP, UW, DW, UW, UW, NO, NO, NO, NO, NO.

RIGHT BANK Material, Bank modification(s), Bank feature(s) table with columns: CC, CC, CC, EA, CC, RS, RRS, RRS, RRS, RRS, RRS, RRS, VS, NO, NO, NO, NO.

F BANKTOP LAND USE AND VEGETATION STRUCTURE LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, LAND USE WITHIN 5m OF BANK TOP (R) table with columns: SU, SU, SU, SU, SU, U, S, B, B, B, S, S, S, S, S, B, U, U, U, U, SU, SU, SU, SU, SU.

G CHANNEL VEGETATION TYPES NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/hedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae table with columns: NV, NV, NV, NV, NV, NV.

L CHANNEL DIMENSIONS LEFT BANK, CHANNEL, RIGHT BANK. Banktop height(m), Bankfull width(m), Banktop = Bankfull?, Embankment height(m), Water width(m), Water depth(m), Embanked height(m). Bed material at site is: consolidated, unconsolidated, Unknown. Location of measurement is: riffle X run or glide other.

M ARTIFICIAL FEATURES Weirs, Sluices, Culverts, Bridges table with columns: Major, Intermediate, Minor, Major, Intermediate, Minor.

Is water impounded by weir/dam? No X Yes, <33% of site >33% of site. N EVIDENCE OF RECENT MANAGEMENT None X Dredging Mowing Weed-cutting Enhancement Other?

O FEATURES OF SPECIAL INTEREST None X Waterfalls >5m high, Braided/side channels, Debris dam, Leafy debris table with columns: Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Flush, Fringing reed-bank, Floating mat, Other.

P CHOKED CHANNEL Is 33% or more of the channel choked with vegetation? NO X YES

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = ivy) None Giant hogweed Himalayan balsam Japanese knotweed X Other?

R OVERALL CHARACTERISTICS Major impacts: LITTER POLLUTION ROAD HOUSING Land Management: PARKLAND Animals: Other significant observations: Spotchecks 6-10 in-accessible. Tributary very turbid with brown silty material joins near spot check 4. No access to channel due to fencing.

S ALDERS Alders? None X Present Extensive Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION *(See RHS manual for definitions)*

Altitude(m)	195	Slope (m/km)	12	Flow category (1-10)	3
BGS Solid geology code	82	BGS Drift geology code	5	Planform category	2
Distance from source(km)	4.5	Significant tributary?	Y	Navigation?	N
Height of source(m)	540	Water Quality class	1.5	RHS Segment type	8

FIELD SURVEY DETAILS *Please check form and tick box if any corrections are needed:*

Reference site number: 12191

Grid reference: SS 92891 River: RHONDDA 44
 Date: 2/12 /1997 Time: 9.00 Surveyor: ZR Accred. code: HD1

Adverse conditions? No Yes
 Bed of river visible? No Part Entire
 Duplicate photographs: general character? No Yes
 Surveyed from: Left Right Channel
 SERCON survey in addition? No Yes

C PREDOMINANT VALLEY FORM

shallow vee	<input type="checkbox"/>	concave/bowl	<input type="checkbox"/>
deep vee	<input type="checkbox"/>	symmetrical	<input type="checkbox"/>
gorge	<input checked="" type="checkbox"/>	asymmetrical	<input type="checkbox"/>

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	2	Unvegetated point bar	2
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
broadleaf/mixed woodland (BL)		/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)		E	Wetland (eg bog, marsh, fen)(WL)		
scrub (SC)		/	Open water (OW)		
all herba (TH)			Suburban/urban development (SU)	E	/
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank	E	E
Deep >45			Reinforced - top only		
scute			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)		X	Exposed bedrock	X	
Rapid(s)		X	Exposed boulders		X
Riffle(s)			Unvegetated mid-channel bar(s)	X	
Run(s)	X		Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Glide(s)	X		Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	BR	BR	CC	CC	GA	CC	GA	GA	RR	BR
Bank modification(s)	RS	RIS	RIS	RIS	RIS	RIS	RIS	RIS	RIS	RIS
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	BO
Flow type	RP	RP	RP	RP	RP	RP	RP	RP	RP	BW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	RO	RO	NO	NO	NO	RO	RO	NO	NO
RIGHT BANK										
Material	BR	BR	NV	NV	GA	CC	GA	GA	GA	RR
Bank modification(s)	RS	RIS	RIS	RS	RS	RS	RIS	RIS	RIS	RIS
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU
LEFT BANK-TOP	S	S	S	S	S	B	S	S	U	U
LEFT BANK FACE	B	B	S	S	S	B	S	S	B	B
RIGHT BANK FACE	B	B	S	S	S	B	S	S	B	B
RIGHT BANK-TOP	B	S	S	S	S	B	B	S	B	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	MH	MH	MH	MH	SU	SU	SU	BL	SU

G CHANNEL VEGETATION TYPES

		NV	NV	/	/	/					
NONE											
Liverworts/mosses/licheas	/	/	/						/	/	/
Emergent broad-leaved herba									/	/	/
Emergent reeds/ledges/rushes											
Floating-leaved (rooted)											
Free-floating											
Amphibious	/	/							/	/	/
Submerged broad-leaved											
Submerged linear-leaved											
Submerged fine-leaved											
Filamentous algae											

H LAND USE WITHIN 50m OF BANKTOP

	L	R		L	R
broadleaf/mixed woodland (BL)		/	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)		E	Wetland (eg bog, marsh, fen)(WL)		
scrub (SC)		/	Open water (OW)		
all herba (TH)			Suburban/urban development (SU)	E	/
			Rock and scree (RS)		

BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut			Resectioned	E	E
Vertical + toe			Reinforced - whole bank	E	E
Deep >45			Reinforced - top only		
scute			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

J EXTENT OF TREES AND ASSOCIATED FEATURES

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	X		Marginal deadwater		X
Cascade(s)		X	Exposed bedrock	X	
Rapid(s)		X	Exposed boulders		X
Riffle(s)			Unvegetated mid-channel bar(s)	X	
Run(s)	X		Vegetated mid-channel bar(s)	X	
Boil(s)	X		Mature island(s)	X	
Glide(s)	X		Unvegetated side bar(s)	X	
Pool(s)	X		Vegetated side bar(s)	X	
Ponded reach(es)	X		Discrete silt deposit(s)	X	
			Discrete sand deposit(s)	X	

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL	RIGHT BANK
Banktop height(m)	Bankfull width (m)	Banktop height (m)
2.0	16.2	2.5
Banktop = Bankfull? Y	Water width (m)	Banktop = Bankfull? *
0.0	6.2	0
Embanked height (m)	Water depth (m)	Embanked height (m)
0.0	0.35	0.0

If trashline lower than break in slope, indicate: height above water(m) = 0.0

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle run or glide other

M ARTIFICIAL FEATURES

None	Major	Intermediate	Minor	Major	Intermediate	Minor
Weirs	2			Revetments		
Sluices				Outfalls	3	
Culverts				Fords		
Bridges			3	Deflectors		
				Other		

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

N EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other?

O FEATURES OF SPECIAL INTEREST

None	X		Artificial open water		Bog		Fringing reed-bank	
Waterfalls >5m high			Natural open water		Carr		Floating mat	
Braided/side channels			Water meadow		Marsh		Other	
Debris dam			Fen		Flush			

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS *(Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)*

None Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS *(Comments may have been paraphrased!)*

Major impacts: INDUSTRY
 Land Management: ABANDONED LAND
 Animals: HERON DIPPER
 Other significant observations: Land on right bank owned by British coal. Some remains of building. Spot check 6 occurs under bridge. Significant tributary joins at 9.

S ALDERS

Alders? None Present Extensive Diseased alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Altitude(m) 80 Slope (m/km) 10 Flow category (1-10) 3
BGS Solid geology code 83 BGS Drift geology code 5 Platform category 2
Distance from source(km) 10 Significant tributary? N Navigation? N
Height of source(m) 380 Water Quality class 3 RHS Segment type 5

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
Reference site number: 12192

Grid reference: ST 79927 River: NANT CLYDACH I
Date: 13/02 /1997 Time: 14.43 Surveyor: JL Accred. code: PF43
Adverse conditions? No X Yes
Bed of river visible? No Part. X Entire.
Duplicate photographs: general character? No Yes X
Surveyed from: Left X Right X Channel X
SERCON survey in addition? No Yes Y

PREDOMINANT VALLEY FORM
shallow vee X concave/bowl
deep vee symmetrical
gorge asymmetrical
Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS
Riffles 3 Unvegetated point bar 1
Pools 6 Vegetated point bar 0
Output created by JFE, Wareham on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP
Woodland/mixed woodland (BL) E E Rough pasture (RP)
Cultivated plantation (CP) Improved/semi-improved grass (IG) /
Orchard (OR) Tilled land (TL)
Moorland/heath (MH) Wetland (eg bog, marsh, fen)(WL)
Shrub (SC) Open water (OW)
Wild herbs (TH) / / Suburban/urban development (SU) E E
Rock and scree (RS)

BANK PROFILES
Natural/unmodified L R Artificial/modified L R
Vertical/undercut / / Resectioned
Vertical + toe Reinforced - whole bank E E
Slope >45 E E Reinforced - top only
Steep bank Reinforced - toe only
Composite Artificial two-stage
Poached
Embanked
Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES
TREES Left Right ASSOCIATED FEATURES None Present E (>33%)
None - - Shading of channel - X
Isolated/scattered - - Overhanging boughs X - -
Regularly spaced, single - - Exposed bankside roots X - -
Occasional clumps - - Underwater tree roots - X -
Semi-continuous - - Fallen trees - X -
Continuous X X Coarse woody debris X - -

K EXTENT OF CHANNEL FEATURES
Waterfall(s) None Present E Marginal deadwater None Present E (>33%)
Cascade(s) - - X Exposed bedrock - X -
Rapid(s) - X - Exposed boulders - - X
Riffle(s) - X - Unvegetated mid-channel bar(s) - X -
Run(s) - - X Vegetated mid-channel bar(s) X - -
Boil(s) X - - Mature island(s) X - -
Glide(s) - X - Unvegetated side bar(s) - X -
Pool(s) X - - Vegetated side bar(s) X - -
Ponded reach(es) X - - Discrete silt deposit(s) X - -
Discrete sand deposit(s) X - -

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES
LEFT BANK
Material BR BE EA EA BO BR EA BO BO BO
Bank modification(s) RI NO NO NO NO NO RI NO NO NO NO
Bank feature(s) NO NO NO NO NO NO NO NO NO NO EC

CHANNEL
Channel substrate BO BE BE BE BO BE BO BE BO CO
Flow type RP CH RP CH RP RP RP RP RP RP
Channel modification(s) NO NO NO NO NO NO NO NO NO NO
Channel feature(s) RO NO RO NO RO RO RO RO RO RO

RIGHT BANK
Material BE BE BR EA BR BE EA EA BO BO
Bank modification(s) NO NO RI NO RI NO NO NO NO NO
Bank feature(s) NO NO SB NO NO NO SC NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE
LAND USE WITHIN 5m OF BANKTOP (L) BL BL SU SU BL BL BL BL BL SU
LEFT BANK-TOP S S U U S S S S S U
LEFT BANK FACE U U S S U U S U B B
RIGHT BANK FACE U S U S U S U S S B
RIGHT BANK-TOP B B S S S U U U S U
LAND USE WITHIN 5m OF BANK TOP (R) SU SU BL BL BL SU SU SU IG

G CHANNEL VEGETATION TYPES
NONE
Liverworts/mosses/lichens / / / / / / / /
Emergent broad-leaved herbs
Emergent reeds/sedges/rushes
Floating-leaved (rooted)
Free-floating
Amphibious
Submerged broad-leaved
Submerged linear-leaved
Submerged fine-leaved
Filamentous algae

L CHANNEL DIMENSIONS
LEFT BANK CHANNEL RIGHT BANK
Banktop height(m) 2.25 Bankfull width (m) 18.0 Banktop height (m) 2.5
Banktop = Bankfull? N Water width (m) 8.5 Banktop = Bankfull? N
Embanked height (m) 0.0 Water depth (m) 0.25 Embanked height (m) 0.0
If trashline lower than break in slope, indicate: height above water(m) = 1.25
Bed material at site is: consolidated unconsolidated Unknown
Location of measurement is: riffle run or glide X other

M ARTIFICIAL FEATURES
None Weirs Major Intermediate Minor Major Intermediate Minor
Shaices Outfalls 1
Culverts Fords
Bridges 3 2 Deflectors
Other
Is water impounded by weirs/dam? No X Yes, <33% of site >33% of site

N EVIDENCE OF RECENT MANAGEMENT
None X Dredging Mowing Weed-cutting
Enhancement Other?

O FEATURES OF SPECIAL INTEREST
None X
Waterfalls >5m high Artificial open water Bog Fringing reed-bank
Braided/side channels Natural open water Carr Floating mat
Debris dam Water meadow Marsh Other
Leafy debris Fen Flush

P CHOKED CHANNEL
Is 33% or more of the channel choked with vegetation? NO X YES

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = brambles, + more)
None Giant hogweed Himalayan balsam Japanese knotweed X Other

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)
Major impacts: ROAD RAIL HOUSING
Land Management:
Animals:
Other significant observations:

S ALDERS
Alders? None Present X Extensive Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)
Altitude(m) 105 Slope (m/km) 15 Flow category (1-10) 3
BGS Solid geology code 83 BGS Drift geology code 5 Platform category 2
Distance from source(km) 8.5 Significant tributary? N Navigation? N
Height of source(m) 380 Water Quality class 3 RHS Segment type 5

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed
Reference site number: 12193
Grid reference: ST 66928 River: NANT CLYDACH 4
Date: 13/02 //1997 Time: 13.30 Surveyor: DS Accred. code: MN59
Adverse conditions? No X Yes
Bed of river visible? No Part. Entire. X
Duplicate photographs: general character? No Yes X
Surveyed from: Left X Right X Channel X
SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM
shallow vee concave/bowl
deep vee symmetrical
gorge asymmetrical
Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS
Riffles 7 Unvegetated point bar 4
Pools 0 Vegetated point bar 0
Output created by IFE, Wareham on 30/03/1998

H LAND USE WITHIN 50m OF BANKTOP
Broadleaf/mixed woodland (BL) E / Rough pasture (RP) L R
Coniferous plantation (CP) Tilled land (TL) E
Orchard (OR) Tilled land (TL)
Moorland/heath (MH) Wetland (eg bog, marsh, fen)(WL)
Scrub (SC) / / Open water (OW)
Tall herbs (TH) / / Suburban/urban development (SU) E
Rock and scree (RS)

BANK PROFILES
Natural/unmodified L R Artificial/modified L R
Vertical/undercut / / Resectioned
Vertical + toe Reinforced - whole bank / /
Steep >45 E E Reinforced - top only
Gentle / / Reinforced - toe only
Composite Artificial two-stage
Paunched
Embanked
Set-back embankments

J EXTENT OF TREES AND ASSOCIATED FEATURES
TREES Left Right ASSOCIATED FEATURES None Present E (>33%)
None - - Shading of channel - X -
Isolated/scattered - - Overhanging boughs - X -
Regularly spaced, single - - Exposed bankside roots - X -
Occasional clumps - - Underwater tree roots - X -
Semi-continuous X - Fallen trees - X -
Continuous - X Coarse woody debris - X -

K EXTENT OF CHANNEL FEATURES
Waterfall(s) None Present E Marginal deadwater None Present E (>33%)
X - - - X -
Cascade(s) - X - Exposed bedrock - X -
Rapid(s) - X - Exposed boulders - X -
Riffle(s) - X - Unvegetated mid-channel bar(s) X -
Run(s) - X - Vegetated mid-channel bar(s) X -
Boil(s) X - Mature island(s) X -
Glide(s) X - Unvegetated side bar(s) X -
Pool(s) X - Vegetated side bar(s) X -
Ponded reach(es) - X - Discrete silt deposit(s) X -
Discrete sand deposit(s) X -

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES
LEFT BANK
Material EA EA EA BR EA EA EA EA EA EA
Bank modification(s) NO NO NO RS RI NO NO NO NO NO NO
Bank feature(s) NO NO NO NO NO NO NO NO NO NO NO
CHANNEL
Channel substrate CO CO CO BE CO CO CO BO CO BO
Flow type U/W SM RP SM RP RP SM RP SM RP
Channel modification(s) NO NO NO NO NO NO NO NO NO NO NO
Channel feature(s) TR NO NO TR RO RO NO RO NO RO RO
RIGHT BANK
Material EA EA BW BR EA EA EA EA EA EA
Bank modification(s) NO NO NO RS RI NO NO NO NO NO NO
Bank feature(s) NO PB NO NO NO NO NO EC NO NO NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE
LAND USE WITHIN 5m OF BANKTOP (L) BL BL BL BL BL BL BL BL BL BL IG
LEFT BANK-TOP S S S S S S S S S S U
LEFT BANK FACE S S S B S S S S S S S
RIGHT BANK FACE S S S B S S S S S S S
RIGHT BANK-TOP B B B B U U U U S S S
LAND USE WITHIN 5m OF BANK TOP (R) SU SU SU SU SU IG IG IG BL BL

G CHANNEL VEGETATION TYPES
NONE
Liverworts/mosses/lichens / / / / / / / / / /
Emergent broad-leaved herbs
Emergent reeds/sedges/rushes
Floating-leaved (rooted)
Free-floating
Amphibious
Submerged broad-leaved
Submerged linear-leaved
Submerged fine-leaved
Filamentous algae

L CHANNEL DIMENSIONS
LEFT BANK CHANNEL RIGHT BANK
Banktop height(m) 3.0 Bankfull width (m) 25.5 Banktop height (m) 3.0
Banktop = Bankfull? Y Water width (m) 7.5 Banktop = Bankfull? Y
Embanked height (m) 0.0 Water depth (m) 0.25 Embanked height (m) 0.0
If trashline lower than break in slope, indicate: height above water(m) = 1.25
Bed material at site is: consolidated - unconsolidated X unknown -
Location of measurement is: riffle X run or glide - other -

M ARTIFICIAL FEATURES
None Major Intermediate Minor Major Intermediate Minor
Weirs - - - - -
Sluices - - - - -
Culverts - - - - -
Bridges - - - - -
Other - - - - -

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

N EVIDENCE OF RECENT MANAGEMENT
None X Dredging - Mowing - Weed-cutting -
Enhancement - Other? -

O FEATURES OF SPECIAL INTEREST
None
Waterfalls >5m high - Artificial open water - Bog - Fringing reed-bank -
Braided/side channels - Natural open water - Carr - Floating mat -
Debris dam X Water meadow - Marsh - Other -
Leafy debris - Fen - Flush -

P CHOKED CHANNEL
Is 33% or more of the channel choked with vegetation? NO X YES

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = hawthorn)
None - Giant hogweed - Himalayan balsam - Japanese knotweed X Other? -

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)
Major impacts: TIPPING LITTER SEWAGE INDUSTRY
Land Management:
Animals:
Other significant observations: Locals report that industrial units from spot check 5 US are regularly dumping large quantities of waste into river.

S ALDERS
Alders? None - Present X Extensive - Diseased alders? None X Present - Extensive -

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with 4 columns: Attribute, Value, Attribute, Value. Includes Altitude(m), Slope (m/km), Flow category, BGS Solid geology code, BGS Drift geology code, Planform category, Distance from source(km), Significant tributary?, Navigation?, Height of source(m), Water Quality class, RHS Segment type.

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12194

Grid reference: ST 62942 River: NANT CLYDACII 7

Date: 13/02 /1997 Time: 12.06 Surveyor: JL Accred. code: PF43

Adverse conditions? No X Yes

Bed of river visible? No Part Entire X

Duplicate photographs: general character? No Yes X

Surveyed from: Left X Right Channel X

SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

X shallow vee concave/bowl

deep vee symmetrical

gorge asymmetrical

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles 3 Unvegetated point bar 0

Pools 0 Vegetated point bar 0

Output created by IFE, Warheads on 30/03/1998

II LAND USE WITHIN 50m OF BANKTOP

Table with 4 columns: L, R, L, R. Rows include broadleaf/mixed woodland (BL), Coniferous plantation (CP), Orchard (OR), Moorland/heath (MH), Scrub (SC), Tall herbs (TH), Rock and scree (RS).

BANK PROFILES

Table with 4 columns: L, R, L, R. Rows include Natural/unmodified, Vertical/undercut, Vertical + toe, Steep >45, Gentle, Composite, Poached, Embanked, Set-back embankments.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with 4 columns: Left, Right, None, Present E (>33%). Rows include Trees (None, Isolated/scattered, Regularly spaced, Occasional clumps, Semi-continuous, Continuous) and Associated Features (Shading of channel, Overhanging boughs, Exposed bankside roots, Underwater tree roots, Fallen trees, Coarse woody debris).

K EXTENT OF CHANNEL FEATURES

Table with 4 columns: None, Present E (>33%), None, Present E (>33%). Rows include Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Boil(s), Glide(s), Pool(s), Puddled reaches(s), Marginal deadwater, Exposed bedrock, Exposed boulders, Unvegetated mid-channel bar(s), Vegetated mid-channel bar(s), Mature island(s), Unvegetated side bar(s), Vegetated side bar(s), Discrete silt deposit(s), Discrete sand deposit(s).

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

Table with 10 columns numbered 1 to 10.

LEFT BANK

Table with 11 columns: Material, Bank modification(s), Bank feature(s). Rows include Material (BO, EA, BR, BE, BE, BE, BE, BE, BE, CO, EA), Bank modification(s) (NO, NO, RI, NO, NO, NO, NO, NO, NO, NO, NO), Bank feature(s) (NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO).

CHANNEL

Table with 11 columns: Channel substrate, Flow type, Channel modification(s), Channel feature(s). Rows include Channel substrate (CO, CO, BE, BE, BE, P, BE, BE, CO, P), Flow type (RP, RP, RP, RP, RP, RP, RP, RP, UW, UW), Channel modification(s) (FO, NO, NO, NO, NO, NO, CV, CV, NO, NO), Channel feature(s) (NO, RO, RO, NO, RO, NO, NO, NO, NO, NO, NO).

RIGHT BANK

Table with 11 columns: Material, Bank modification(s), Bank feature(s). Rows include Material (BR, BR, BR, BE, BE, BR, BE, BE, CO, BR), Bank modification(s) (RI, RI, RI, NO, NO, RI, NO, NO, NO, NO, RI), Bank feature(s) (NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO).

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with 11 columns: SC, IG, IG, IG, IG, IG, SU, SU, BL, BL. Rows include LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, LAND USE WITHIN 5m OF BANK TOP (R).

G CHANNEL VEGETATION TYPES

Table with 11 columns. Rows include NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae.

I CHANNEL DIMENSIONS

Table with 4 columns: LEFT BANK, CHANNEL, RIGHT BANK. Rows include Banktop height(m), Banktop = Bank full?, Embanked height(m), Water width(m), Water depth(m), Embanked height(m).

If trashline lower than break in slope, indicate: height above water(m) = 1.5

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle X run or glide other

M ARTIFICIAL FEATURES

Table with 7 columns: Major, Intermediate, Minor, Major, Intermediate, Minor. Rows include Weirs, Sluices, Culverts, Bridges, Revetments, Outfalls, Fords, Deflectors, Other.

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging Mowing Weed-cutting Enhancement Other?

O FEATURES OF SPECIAL INTEREST

Table with 4 columns: None, X, None, X. Rows include Waterfalls >5m high, Braided/side channels, Debris dam, Leafy debris, Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Fringing reed-bank, Floating mat, Other.

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, 6 = mare)

None X Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: MINING Land Management: Animals: Other significant observations:

S ALDERS

Alders? None Present X Extensive Diseased alders? None X Present Extensive

A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Altitude(m)	145	Slope (m/Km)	15	Flow category (1-10)	2
BGS Solid geology code	B3	BGS Drift geology code	9	Planform category	2
Distance from source(km)	6	Significant tributary?	N	Navigation?	N
Height of source(m)	380	Water Quality class	0	RHS Segment type	5

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12195

Grid reference: ST 5949 River: NANT CLYDACH 9

Date: 13/02 /1997 Time: 10.10 Surveyor: JL Accred. code: PF43

Adverse conditions? No Yes

Bed of river visible? No Part. Entire. X

Duplicate photographs: general character? No Yes X

Surveyed from: Left Right Channel X

SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

- shallow vee	<input checked="" type="checkbox"/> X	concave/bowl
- deep vee	<input type="checkbox"/>	symmetrical
- gorge	<input type="checkbox"/>	asymmetrical

Terraced valley? No Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Riffles	2	Unvegetated point bar	1
Pools	0	Vegetated point bar	0

Output created by IFE, Wareham on 30/03/1998

Spot check 1 is at: upstream end downstream end

E PHYSICAL ATTRIBUTES

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	BE	BR	CO	BR	EA	CO	CO	CO	BR
Bank modification(s)	NO	NO	RI	NO	RI	NO	NO	NO	NO	RI
Bank feature(s)	NO	NO	NO	NO	NO	NO	EC	SC	NO	NO
CHANNEL										
Channel substrate	BO	BE	CO	CO	CO	BE	CO	CO	CO	CO
Flow type	RP	RP	RP	RP	CH	RP	BW	UW	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	NO	NO	RO	RO	RO	RO	RO	RO	RO
RIGHT BANK										
Material	BO	BE	EA	CO	EA	BE	EA	BR	CO	CO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	RI	NO	NO
Bank feature(s)	NO	NO	NO	SC	NO	NO	PB	NO	SC	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	SU	SU	SU	BL	IG	IG	IG	IG
LEFT BANK-TOP	B	B	B	B	U	S	U	U	U	U
LEFT BANK FACE	S	U	U	S	S	U	B	S	S	U
RIGHT BANK FACE	S	U	S	U	S	U	S	S	S	S
RIGHT BANK-TOP	S	U	U	S	B	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	BL	IG	IG	IG	SU	BL	IG	IG	IG	IG

G CHANNEL VEGETATION TYPES

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

H LAND USE WITHIN 50m OF BANKTOP

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

I BANK PROFILES

	L	R	Artificial/modified	L	R
Natural/unmodified					
Vertical/undercut	/	/	Resectioned		
Vertical + toe			Reinforced - whole bank	/	/
Deep >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

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

K EXTENT OF CHANNEL FEATURES

	None	Present E		None	Present E (>33%)
Waterfall(s)	-	X	Marginal deadwater	-	X
Cascade(s)	-	X	Exposed bedrock	-	X
Rapid(s)	-	X	Exposed boulders	-	X
Riffle(s)	-	X	Unvegetated mid-channel bar(s)	X	-
Run(s)	-	X	Vegetated mid-channel bar(s)	X	-
Boil(s)	X	-	Mature island(s)	X	-
Glide(s)	X	-	Unvegetated side bar(s)	-	X
Pool(s)	X	-	Vegetated side bar(s)	X	-
Ponded reach(es)	X	-	Discrete silt deposit(s)	X	-
			Discrete sand deposit(s)	X	-

L CHANNEL DIMENSIONS

LEFT BANK	CHANNEL		RIGHT BANK	
Banktop height(m)	3.5	Bankfull width (m)	12.0	Banktop height (m)
Banktop = Bankfull?	Y	Water width (m)	5.0	Banktop = Bankfull?
Embanked height (m)	0.0	Water depth (m)	0.15	Embanked height (m)
If trashline lower than break in slope, indicate: height above water(m) = 0.75				
Bed material at site is: consolidated <input type="checkbox"/> unconsolidated <input type="checkbox"/> Unknown <input type="checkbox"/>				
Location of measurement is: riffle <input type="checkbox"/> run or glide <input checked="" type="checkbox"/> other <input type="checkbox"/>				

M ARTIFICIAL FEATURES

None	Major			Intermediate			Minor		
	Weirs	Sluices	Culverts	Bridges	Revetments	Outfalls	Fords	Deflectors	Other
-						1			
				2	2				

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

N EVIDENCE OF RECENT MANAGEMENT

None	<input checked="" type="checkbox"/> X	Dredging	-	Mowing	-	Weed-cutting	-
		Enhancement	-	Other?	-		-

O FEATURES OF SPECIAL INTEREST

None	-	Artificial open water	-	Bog	-	Fringing reed-bank	-
Waterfalls >5m high	-	Natural open water	X	Carri	-	Floating mat	-
Braided/side channels	-	Water meadow	-	Marsh	-	Other	-
Debris dam	-	Fen	-	Flush	-		-

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendrons, 3 = bracken, 4 = ground elder, 5 = brambles, + more)

None	<input checked="" type="checkbox"/> X	Giant hogweed	-	Himalayan balsam	-	Japanese knotweed	-	Other?	-
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R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts:

Land Management:

Animals:

Other significant observations: Squirrel and lots of birds nice etc.

S ALDERS

Alders? None	<input type="checkbox"/>	Present	<input checked="" type="checkbox"/> X	Extensive	<input type="checkbox"/>	Diseased alders?	None	<input checked="" type="checkbox"/> X	Present	<input type="checkbox"/>	Extensive	<input type="checkbox"/>
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A BACKGROUND MAP-BASED INFORMATION (See RHS manual for definitions)

Table with 4 columns: Attribute, Value, Attribute, Value. Includes Altitude (195), Slope (20), Flow category (1), BGS Solid geology code (83), BGS Drift geology code (9), Planform category (2), Distance from source (4), Significant tributary (N), Navigation? (N), Height of source (380), Water Quality class (0), RHS Segment type (10).

FIELD SURVEY DETAILS Please check form and tick box if any corrections are needed

Reference site number: 12196

Grid reference: ST 49966 River: NANT CLYDACH 13

Date: 13/02 /1997 Time: 11.00 Surveyor: DS Accred. code: MN59

Adverse conditions? No X Yes

Bed of river visible? No Part. Entire. X

Duplicate photographs: general character? No Yes X

Surveyed from: Left X Right X Channel X

SERCON survey in addition? No Yes Y

C PREDOMINANT VALLEY FORM

Table with 3 columns: Form, Value, Description. Includes shallow vee (X), deep vee, gorge, asymmetrical.

Terraced valley? No X Yes

NUMBER OF RIFFLES, POOLS AND POINT BARS

Table with 3 columns: Riffles (6), Unvegetated point bar (0), Pools (0), Vegetated point bar (0).

Output created by IFE, Wareham on 30/03/1998

Spot check 1 is at: upstream end X downstream end

E PHYSICAL ATTRIBUTES

Table with 11 columns (1-10) and 3 rows: LEFT BANK Material, Bank modification(s), Bank feature(s).

Table with 11 columns (1-10) and 3 rows: CHANNEL Channel substrate, Flow type, Channel modification(s), Channel feature(s).

Table with 11 columns (1-10) and 3 rows: RIGHT BANK Material, Bank modification(s), Bank feature(s).

F BANKTOP LAND USE AND VEGETATION STRUCTURE

Table with 11 columns (BL, BL, IG, SC, IG, IG, IG, IG, BL, SU) and 5 rows: LAND USE WITHIN 5m OF BANKTOP (L), LEFT BANK-TOP, LEFT BANK FACE, RIGHT BANK FACE, RIGHT BANK-TOP, LAND USE WITHIN 5m OF BANK TOP (R).

G CHANNEL VEGETATION TYPES

Table with 11 columns and 11 rows: NONE, Liverworts/mosses/lichens, Emergent broad-leaved herbs, Emergent reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibious, Submerged broad-leaved, Submerged linear-leaved, Submerged fine-leaved, Filamentous algae.

H LAND USE WITHIN 50m OF BANKTOP

Table with 6 columns (L, R, L, R) and 6 rows: Broadleaf/mixed woodland (BL), Coniferous plantation (CP), Orchard (OR), Moorland/heath (MH), Scrub (SC), Tall herbs (TH). Includes Rough pasture (RP), Improved/semi-improved grass (IG), Tilled land (TL), Wetland (eg bog, marsh, fen)(WL), Open water (OW), Suburban/urban development (SU), Rock and scree (RS).

BANK PROFILES

Table with 6 columns (L, R, L, R) and 6 rows: Natural/unmodified, Vertical/undercut, Vertical + toe, Deep >45, Gentle, Composite. Includes Artificial/modified, Resectioned, Reinforced - whole bank, Reinforced - top only, Reinforced - toe only, Artificial two-stage, Poached, Embanked, Set-back embankments.

J EXTENT OF TREES AND ASSOCIATED FEATURES

Table with 6 columns (Left, Right, None, Present E (>33%)) and 6 rows: TREES (None, Isolated/scattered, Regularly spaced, single, Occasional clumps, Semi-continuous, Continuous), ASSOCIATED FEATURES (Shading of channel, Overhanging boughs, Exposed bankside roots, Underwater tree roots, Fallen trees, Coarse woody debris).

K EXTENT OF CHANNEL FEATURES

Table with 6 columns (None, Present E (>33%)) and 11 rows: Waterfall(s), Cascade(s), Rapid(s), Riffle(s), Run(s), Boil(s), Glide(s), Pool(s), Pooled reach(es), 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), Discrete silt deposit(s), Discrete sand deposit(s).

L CHANNEL DIMENSIONS

Table with 5 columns (LEFT BANK, CHANNEL, RIGHT BANK) and 4 rows: Banktop height(m), Banktop = Bankfull?, Embanked height (m), Water depth (m).

If trashline lower than break in slope, indicate: height above water(m) = 0.75

Bed material at site is: consolidated unconsolidated Unknown

Location of measurement is: riffle X run or glide other

M ARTIFICIAL FEATURES

Table with 7 columns (None, Major, Intermediate, Minor, Major, Intermediate, Minor) and 5 rows: Weirs, Sluices, Culverts, Bridges, Other. Includes Revetments, Outfalls, Fords, Deflectors.

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

N EVIDENCE OF RECENT MANAGEMENT

None X Dredging Mowing Weed-cutting Enhancement Other?

O FEATURES OF SPECIAL INTEREST

Table with 4 columns and 5 rows: None, Waterfalls >5m high, Braided/side channels, Debris dam, Leafy debris. Includes Artificial open water, Natural open water, Water meadow, Fen, Bog, Carr, Marsh, Fringing reed-bank, Floating mat, Other.

P CHOKED CHANNEL

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

Q NOTABLE NUISANCE PLANTS (Others: 1 = nettles, 2 = rhododendron, 3 = bracken, 4 = ground elder, 5 = bramble, + more)

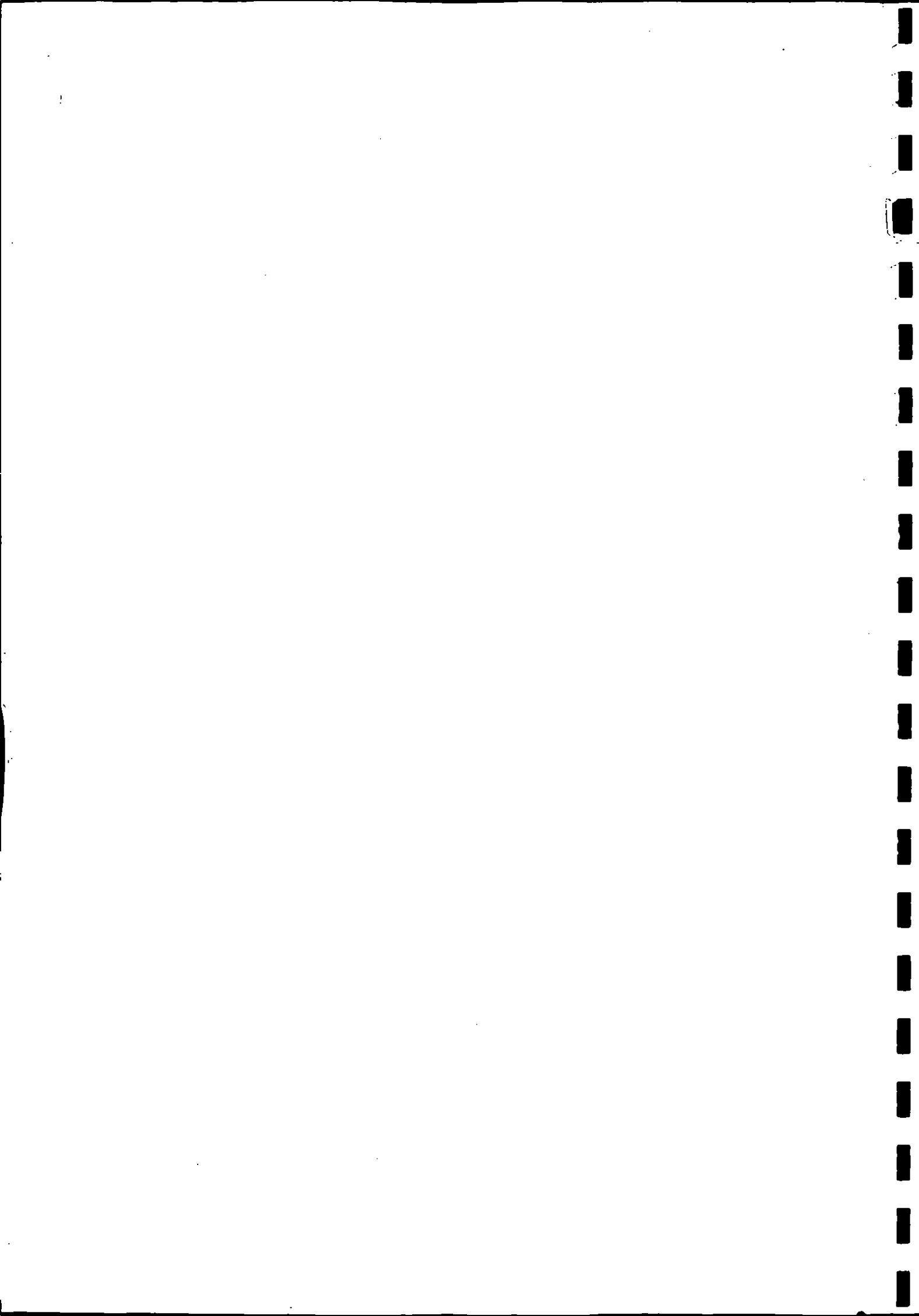
None X Giant hogweed Himalayan balsam Japanese knotweed Other?

R OVERALL CHARACTERISTICS (Comments may have been paraphrased!)

Major impacts: RAIL Land Management: Animals: Other significant observations: Dismantled railway.

S ALDERS

Alders? None Present X Extensive Diseased alders? None X Present Extensive



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