

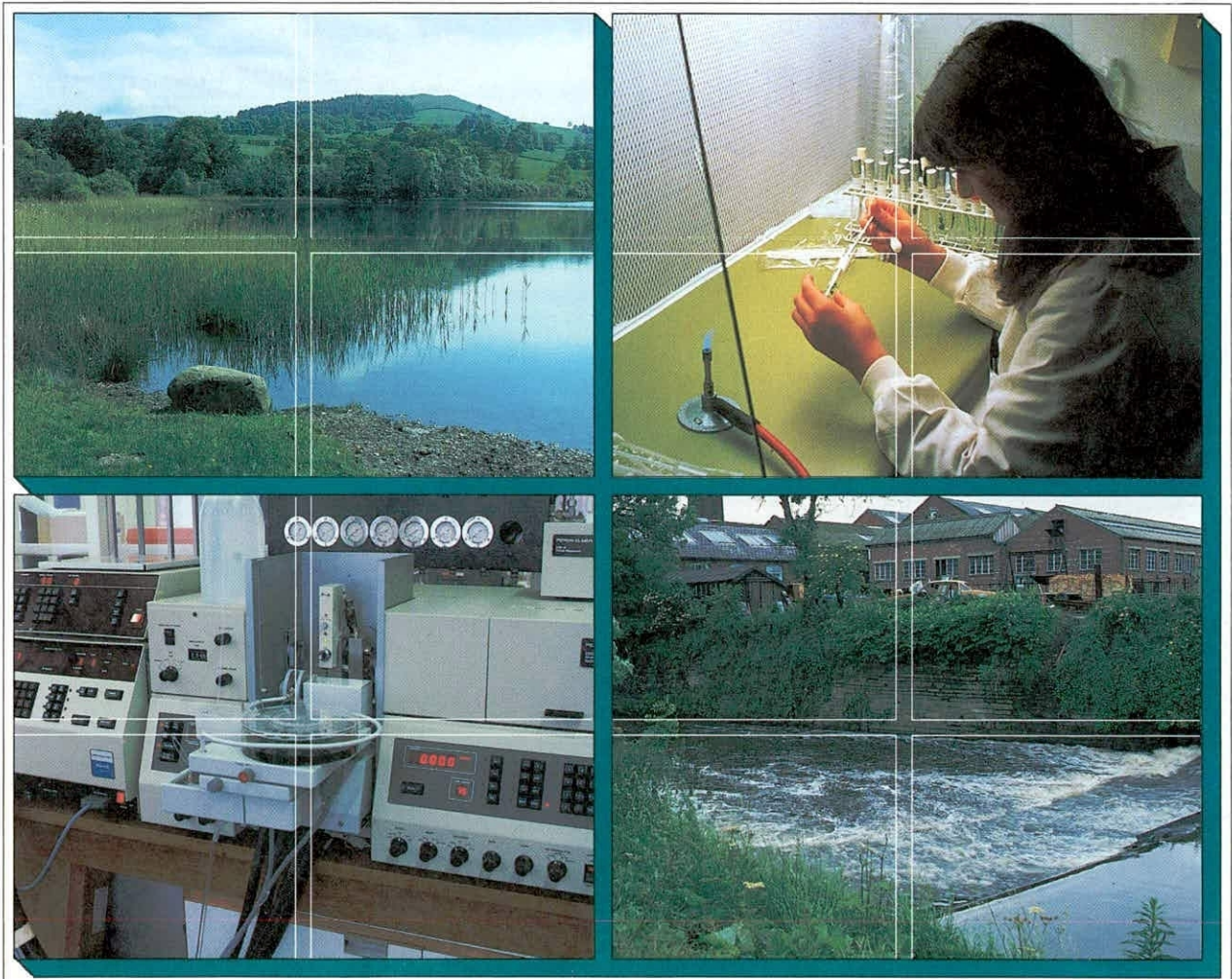


RIVER HABITAT SURVEY 1996

Survey Sheets - Scotland

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J.J. Leach MSc
D.D. Hornby MSc

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





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RIVER HABITAT SURVEY 1996

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Project Leader:	F.H. Dawson
Report Date:	July 1996
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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

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

BACKGROUND MAP-BASED INFORMATION

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

B FIELD SURVEY DETAILS

Reference network site number: **2022**
 Mid-site grid reference of network site if different from designated location: _____

Grid Reference: **NC991632** River: **ACHURRIBON**
 Date: **1/15/1996** Time: **11:15** Surveyor name: **...** Accreditation code: _____

Adverse conditions affecting survey? No Yes If yes, state: _____
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

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

PREDOMINANT VALLEY FORM (tick one box only)

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

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

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

Riffles _____ Unvegetated point bars _____
 Pools _____ Vegetated point bars _____

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

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

TALLY (use IFE) for: Riffles **114** Pools **11** Unveg. side bars _____ Veg point bars _____

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

Spot check 1 is: upstream downstream

LEFT BANK	TICK if functional fence	1	2	3	4	5	6	7	8	9	10
Material WV, BE, BO, CO, CS, EA, FE, CL, CC, SP, WF, GA, BR, BR, BV		EA	CO	EA	EA	CO	EA	CO	EA	CO	EA
Bank modification(s) NE, NO, RS, RL, PC, BM, EN		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) WV, NO, EC, SC, PB, VP, SB, VS		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

C CHANNEL NEW: substrate shape codes

Channel substrate **WV, BE, BO, CO, CP, SA, SL, CL, PEAR**

Channel substrate	FL	OV	EL	SP	CU	PO	IR	OW	IR	OW	IR	OW	IR	OW	IR	OW	IR	OW	IR	OW
Substrate shape	FL	OV	EL	SP	CU	PO	IR	OW	IR	OW	IR	OW	IR	OW	IR	OW	IR	OW	IR	OW
Flow type	FL	OV	EL	SP	CU	PO	IR	OW	IR	OW	IR	OW	IR	OW	IR	OW	IR	OW	IR	OW

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

Land use: choose one from **BL, CP, OR, MH, SC, TH, RP, IG, FL, WL, OW, SJ**

LAND USE WITHIN 5m OF BANKTOP (L)	MH	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK TOP (structure within 1m) BR/SC	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BR/SC	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BR/SC	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BR/SC	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SC	VM	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC

E CHANNEL VEGETATION TYPES (10m wide transect, E (≥ 33% area) or tick (present) 500m catchment)

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

SITE NO. **2022** 1996 RIVER HABITAT SURVEY: 500M SWEEP

wooded/mixed woodland (WL)																					
Coniferous plantation (CP)																					
orchard (OR)																					
woodland/heath (MH)																					
rub (SC)																					
Tall herbs / most vegetation (TH)																					

ARTIFICIAL FEATURES (indicate total number or tick appropriate bar)

None																					
Artificial/unmodified																					
Artificial/modified																					
Vertical + toe																					
ep (>45)																					
side																					
inposite																					

EXTENT OF TREES AND ASSOCIATED FEATURES

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

EXTENT OF CHANNEL FEATURES (tick one box per feature)

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

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

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

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

LEFT BANK	Banktop width (m)	5.00	RIGHT BANK	
Banktop height (m)	Water width (m)	4.00	Banktop height (m)	0.95
Embanked height (m)	Water depth (m)	0.20	Embanked height (m)	

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

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

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

B ARTIFICIAL FEATURES (indicate total number or tick appropriate bar)

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

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

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

None Dredging Mowing Weed-cutting
 Enhancement Other? State: _____

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

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

E CHOKED CHANNEL (tick one box)

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

F NOTABLE NUISANCE PLANT SPECIES (Use 0 or E, (≥ 33% bank(s)), IFE does LARGE STANDS of others eg)

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

G OVERALL CHARACTERISTICS (Circle appropriate words, add others as necessary)

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

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

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

Other significant observations: _____

H ALDERS (tick appropriate box(es))

Alders? None Present Extensive Diseased Alders? None Present Extensive

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

A BACKGROUND MAP-BASED INFORMATION

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

B FIELD SURVEY DETAILS

Reference network site number: 2024
 Mid-site grid reference of network site if different from designated location:

Grid Reference: ND140602 River: ...
 Date: 10/1/1996 Time: 11:00 Surveyor name: J. G. ... Accreditation code: ...
 Adverse conditions affecting survey? No Yes If yes, state: ...
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

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

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

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

Riffles: 3 Unvegetated point bars: 1
 Pools: 1 Vegetated point bars: 1

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

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

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

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

Spot check 1 is upstream downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	TICK if functional fence									
Material ^{NY, NO, CO, CS, EA, PE, CL, CC, SP, WP, GA, BR, AR, BW}	CA	CA	CA	CA	CA	CA	CA	CA	CA	CA
Bank modification(s) ^{NE, NO, RE, RL, PC, BR, EN}	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) ^{NY, NO, EC, SC, PE, VP, SE, VS}	NO	EC	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL ^{NEW, substitute shape codes: FL, PL, OY, EL, SP, CU, PO, DL, DW, etc.}	TICK if functional fence									
Channel substrate ^{NY, NO, CO, CC, CP, SI, SL, PEAR}	NV	BO	BO	NV	BO	NV	BO	BO	BO	BO
Substrate shape ^{FL, OY, EL, SP, CU, PO, DL, DW, etc.}	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type ^{FE, CH, BW, OW, CS, RP, UP, SH, NP, NO}	RP	BW	RP	RP	RP	RP	BW	BW	RP	RP
Channel modification(s) ^{NE, NO, CV, RE, RL, DA, FO}	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) ^{NY, NO, RO, MR, VB, ML, TK}	NO	RO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	TICK if functional fence									
Material ^{NY, NO, CO, CS, EA, PE, CL, CC, SP, WP, GA, BR, AR, BW}	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) ^{NE, NO, RE, RL, PC, BR, EN}	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) ^{NY, NO, EC, SC, PE, VP, SE, VS}	NO	VS	NO	EC	NO	NO	NO	NO	NO	NO

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

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

LAND USE WITHIN 5m OF BANKTOP (L)	U	U	U	U	U	U	U	U	U	U
LEFT BANK-TOP (structure within 1m) ^{BU/S/C}	U	U	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) ^{BU/S/C}	S	B	S	S	S	S	S	U	B	S
RIGHT BANK FACE (structure) ^{BU/S/C}	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) ^{BU/S/C}	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 (10m wide transect: E (≥33% area) or tick (present) 500m reach only)

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

SITE NO. 2024

H HABITAT SURVEY: 500M SWEEP

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

I CHANNEL VEGETATION (tick one box per bank)

Natural/unmodified	L	R	Artificial/modified	L	R
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 PREVALENCE OF TREES AND ASSOCIATED FEATURES (tick one box per feature)

TREES	Left	Right	ASSOCIATED FEATURES	None	Present E (≥33%)
None			Shading of channel		
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Semi continuous			Fallen trees		
Continuous			Coarse woody debris		
			Marginal deadwater		
			Exposed bedrock		
			Exposed boulders		
			Unvegetated mid-channel bar(s)		
			Vegetated mid-channel bar(s)		
			Mature island(s)		
			Unvegetated side bar(s)		
			Vegetated side bar(s)		

K EXTENT OF CHANNEL FEATURES

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

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

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

L CHANNEL DIMENSIONS (measure at straight section, preferably across riffle)

LEFT BANK	Banktop width (m)	31.80	RIGHT BANK		
Banktop height (m)	0.20	Water width (m)	30.0	Banktop height (m)	0.65
Embanked height (m)		Water depth (m)	0.60	Embanked height (m)	

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

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

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

M ARTIFICIAL FEATURES (indicate total number)

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

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

None Dredging Mowing Wood-cutting
 Enhancement Other? State: _____

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

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

P CHOKED CHANNEL (tick one box)

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

Q NOTABLE NUISANCE PLANT SPECIES (tick one box(es)) IFE note: LARGE STANDS of others ok

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

R SPECIAL CHARACTERISTICS (tick one box(es))

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? = _____
 Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = _____
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin (heron) dragonflies/damselflies
 Other significant observations: FAST FLOWING RIVER, WITH EXTENSIVE ZONES (W - ATLAS) OF REEDS WITHIN THEM

S ALDERS (tick appropriate box(es))

Alders? None Present Extensive Diseased Alders? None Present Extensive

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

FIELD SURVEY DETAILS
 Reference network site number: 2037
 Mid-site grid reference of network site (if different from designated location):

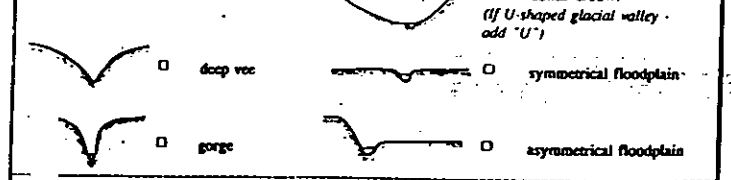
Grid Reference: 10033515 River: CROC SLIP
 Date: 8/1/1996 Time: 10:45 Surveyor name: Accreditation code:

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

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

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

PREDOMINANT VALLEY FORM (tick one box only)



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

NUMBER OF RIPPLES, POOLS AND POINT BARS (indicate total number)
 Ripples Unvegetated point bars
 Pools Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 LAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

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

B PHYSICAL ATTRIBUTES (to be measured across channel, within a 1m wide transect) = see entry only

Spot check 1 is upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK	TICK if functional fence									
Material	PE	PS	PR	PN	PS	PE	SS	PS	PE	PE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC
CHANNEL	TICK if functional fence									
Channel substrate	CO	NV	NV	NV	NV	NV	RE	BO	CO	NV
Substrate shape	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK	TICK if functional fence									
Material	PE	PE	PE	PE	PE	PE	SS	SS	SS	SS
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

Land use: check one from BL, CL, CR, DR, ER, FR, GR, HR, IR, JR, KR, LR, MR, NR, OR, PR, QR, RR, SR, TR, UR, VR, WR, XR, YR, ZR										
LAND USE WITHIN 5m OF BANKTOP (L)	WL	WL	WL	WL	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) BWSIC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BWSIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BWSIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BWSIC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

DIAGNOSTIC PLANT GENERA - list first 5	NONE									
Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent sedge/water/flag										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submersive fine-leaved										
Filamentous algae										

NO. 7037

1	admixed woodland (AL)			Rough pasture (RP)					
2	cross plantation (CP)			Improved/semi-improved grass (IG)					
3	4 (OR)			Tilled land (TL)					
4	Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)					
5	SO			Open water (OW)					
6	the mud vegetation (TH)			Suburban/urban development (SU)					

Natural/unmodified	L	R	Artificial/modified	L	R
Vegetation			Recessed		
Vegetation			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Coarse			Artificial two-stage		
			Patched		
			Embanked		
			Set-back embankment		

ENTER DISTRICT AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (≥ 11%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Local continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
oile(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature wharf(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): (A 4)

CHANNEL DIMENSIONS AND CHARACTERISTICS

LEFT BANK	Banktop width (m)	2.25	RIGHT BANK	
Banktop height (m)	Water width (m)	7.50	Banktop height (m)	
Embankment height (m)	Water depth (m)		Embankment height (m)	
If waterline lower than banktop break in slope, indicate: height (m) = width (m) =				
Bed material at site is: consolidated (compact) <input type="checkbox"/> unconsolidated (loose) <input type="checkbox"/> chalkstone <input type="checkbox"/>				
Location of measurement is: riffle <input type="checkbox"/> run or glide <input type="checkbox"/> gutter <input type="checkbox"/> (tick one box)				

MARKING FEATURES

None Number of Culverts = Weirs = Roadbridges = Outfalls = Fords =
 Is water impounded by weir/dam? No Yes, < 31% of site > 31% of site

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

None Dredging Mowing Weed-cutting
 Enhancement Other? Stone

CHARACTERISTICS OF SPECIAL INTEREST (tick appropriate box(es))

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

CHOICE CHANNEL (tick appropriate box(es))

Is 31% or more of the channel choked with vegetation? NO YES

QUANTIFIABLE OBSTACLES (tick appropriate box(es)) (≥ 31% bank top) (IF NOT, LIST LARGE STANDS of others of

None Giant Hogweed Hamamelis Salix Japanese Knotweed Other? Nettle Rhododendron bracken

MAJOR IMPACTS: landfill - tipping - filter - storage - pollution - drought - obstruction - mill - dam - road - rail industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - mining - other? =

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

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

Other significant observations:

ALDERS (tick appropriate box(es))

Alders? None Present Extensive Decayed Alders? None Present Extensive

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

A BACKGROUND MAP-BASED INFORMATION

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

B FIELD SURVEY DETAILS

Reference network site number: 2038
 Mid-site grid reference of network site if different from designated location:
 Grid Reference: 10 2520 River: ...
 Date 6/5/1996 Time 5:15 Surveyor name ... Accreditation code ...
 Adverse conditions affecting survey? No Yes If yes, state ...
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

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

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

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

Riffles: ... Unvegetated point bars: ...
 Pools: ... Vegetated point bars: ...

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH10 6BB

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

FULLY (use IFE for riffles) Pools Three side bars Veg point bars

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

Spot check 1 is upstream downstream

LEFT BANK	TICK if functional fence	1	2	3	4	5	6	7	8	9	10
Material <u>W, M, B, O, G, S, F, R, C, K, P, W, G, H, B, N, V</u>		0	0	0	0	0	0	0	0	0	0
Bank modification(s) <u>W, M, B, O, G, S, F, R, C, K, P, W, G, H, B, N, V</u>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>W, M, B, O, G, S, F, R, C, K, P, W, G, H, B, N, V</u>		NO	VS	UO	NO	EC	NO	NO	NO	NO	NO

CHANNEL - NEW - substrate shape (tick one)

Channel substrate: W, M, B, O, G, S, F, R, C, K, P, W, G, H, B, N, V

Substrate shape: <u>FL, BL, PL, CU, PD, DE, Other</u>	NV	RD	BO	DS	NV	ES	NV	RE	UV	NV
Flow type: <u>ST, CH, SF, WH, CF, SF, UP, SH, UP, NO</u>	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL

RIGHT BANK TICK if functional fence

Material <u>W, M, B, O, G, S, F, R, C, K, P, W, G, H, B, N, V</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>W, M, B, O, G, S, F, R, C, K, P, W, G, H, B, N, V</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>W, M, B, O, G, S, F, R, C, K, P, W, G, H, B, N, V</u>	NO	VS	NO	NO	NO	NO	NO	NO	NO	NO

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

Land use: choose one from BL, CP, OR, NH, SC, TH, SP, TC, TL, UL, WL, XV

LAND USE WITHIN 3m OF BANKTOP (L)	RP	RP	RP	RP	RP	TA	VP	VP	VP	VP
LEFT BANK-TOP (structure within 1m) BASIC	U	S	U	U	U	S	S	S	S	U
LEFT BANK FACE (structure) BASIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BASIC	U	U	U	U	U	U	U	U	U	S
RIGHT BANK FACE (structure) BASIC	S	S	S	S	S	S	S	S	S	S

G CHANNEL VEGETATION TYPES (tick one or more)

NONE / PLANT GENERA - list first 5

Bryophytes/lichen										
Emergent broad-leaved herbs										
Emergent reeds/cyperus/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-linear leaved										
Filamentous algae										

SITE NO. 2038

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

VEGETATION

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

J PREVALENCE OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	None	Left	Right	None	Percent E (≥ 11%)
Isolated/scattered					
Regularly spaced, single					
Occasional clumps					
Semi-continuous					
Continuous					

ASSOCIATED FEATURES (tick one box per feature)

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

K BANKSIDE CHANNEL FEATURES

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (≥ 11%)
Cascade(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid channel bar(s)		
Run(s)			Vegetated mid channel bar(s)		
Run(s)			Mature island(s)		
Slide(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

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

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

L CHANNEL DIMENSIONS AND INFLUENCES

LEFT BANK	Banktop width (m)	<u>20.0</u>	RIGHT BANK	Banktop width (m)
Banktop height (m)	<u>0.60</u>	Water width (m)	<u>18.00</u>	Banktop height (m)
Embanked height (m)		Water depth (m)	<u>0.50</u>	Embanked height (m)

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

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

Location of occurrence in site: riffle run or glide other (tick one box)

M ARTIFICIAL FEATURES

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

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

N EVIDENCE OF RESIDENT MANAGEMENT (tick appropriate box(es))

None Overdigging Mowing Wood cutting
 Embankment Other? State ...

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

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

P CROOKED CHANNEL (tick one box)

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

Q NOTABLE NATURAL PLANT SPECIES Use IFE (≥ 11% bank) IFE genus/LARGE STANDS of other

None Coast Hogweed Himalayan Balsam Japanese Knotweed Other? Name Rhododendron bracken

R OVERALL CHANNEL CHARACTERISTICS (Circle appropriate box(es))

Major impacts: bank/riprap - tipping - litter - sewage - pollution - drought - obstruction (wall) dam - road - rail industry - housing - mining - quarrying - overgrazing - afforestation - fish farm management - siting - other? = ...

Land Management: set-back - buffer strip - headland - shaded/wooded land - partition - MoD - other? = ...

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

Other significant observations: ...

S ALDERS (tick appropriate box(es))

ANKIN: None Present Extensive Discarded Alders: None Present Extensive

BACKGROUND MAP-BASED INFORMATION

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

Reference network site number: 2037

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

Ordnance Reference: ND283550 River: Wick Brook

Date: 5/5/1996 Time: 12.05 Surveyor name: J.C. Accreditation code: P.C.7

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

Is the river visible? No partially entirely (tick one box)

Are depth photographs: general character? No Yes (tick one box)
 (If Yes, will be made by scanning) Code: RESTRICTIONS OF CHANNELS
 and, if required, special features? No Yes (tick one box)

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

Valley Form Diagrams:

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

deep wet symmetrical floodplain

graze asymmetrical floodplain

Terraced valley floor? No Yes | **VALLEY FORM NOTES:**

Rifles 7 Unvegetated point bars -
 Pools 2 Vegetated point bars 1

COMPLETED POINTS WEEKLY plus all water samples and exposures taken TO P.M. DAVSON, DPL, RIVER LABORATORY, EAST STOCK, WALSLEY, S230 6EE

SITE NO. 2037

Rowan scrub woodland (R1)	L	R	Rough pasture (R2)	L	R
Coniferous plantation (C7)			Improved/improved grass (G)	G	G
Ochre (O)			Thick hard (H)		
Moss bank (M)			Wetland (eg bog, marsh, fen) (W)		
Scrub			Open water (OW)		
Fall barbs, scrub vegetation (FB)			Shrub/scrub vegetation (S)		

Vertical channel	L	R	Artificial/modified	L	R
Vertical + bar			Rehabilitated - whole bank		
Deep			Rehabilitated - top only		
Gravel			Rehabilitated - toe only		
Comps			Artificial bankings		
			Rehabilitated		
			Set-back embankments		

TREES (tick one box per bank)

Left	Right
Intolerant	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>
Intolerant	<input type="checkbox"/>
Intolerant	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

Shoofly of channel	None	Present	S (2.1/5)
Overhanging banks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

trunk(s)	None	Present	S (2.1/5)
bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MC(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R1(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R2(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R3(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R4(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R5(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R6(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
R7(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

TALLY (see D1) for - Rifles H44

Urrug. side bars Veg point bars

LEFT BANK

Bank modification(s)	CA	BP	SR	BR	BR	CA	SP	CA	BR	CA
Bank feature(s)	NP	HO	NO	NO	NO	EC	NO	NO	NO	NO
Channel substrate	NV	BO	W	NU	CO	M	NA	BO	SP	SP
Substrate shape	NA	TR	NA	NA	JQ	NA	AA	TR	NA	NA
Flow type	NP	NU	NU	RP	UN	ST	NP	UN	SM	UN
Channel modification(s)	NO	NO	NO	NO	NO	NO	RS	RS	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

Bank modification(s)	RI	NO	NO	NO	NO	NO	RS	RS	NO	NO
Bank feature(s)	NO	EC	BC	VS	UC	VS	NO	NO	VS	SB

LAND USE WITHIN 5m OF BANK TOP (L)

LEFT BANK TOP (structure within 1m) B00C	U	U	U	U	U	B	B	U	U
LEFT BANK FACE (structure) B00C	S	S	S	U	B	B	B	D	D
RIGHT BANK FACE (structure) B00C	B	B	B	B	S	B	B	S	U
RIGHT BANK TOP (structure within 1m) B00C	U	U	U	S	S	B	B	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	EP	EP	EP	RP	RP	RP	RP	RP	RP

PLANT GENERA - list first 5

Bryophytes/lichens									
Emergent broad-leaved herbs									
Emergent sedge/herbaceous									
Floating-leaved (young)									
Pine-Birch									
Amphibians									
Submerged broad-leaved									
Submerged fine-leaved									
Filamentous algae									

WICK BROOK RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES

LEFT BANK	Banking width (m)	8.00	RIGHT BANK	Banking width (m)	1.10
Banking height (m)	0.50	Water width (m)	7.00	Banking height (m)	1.10
Embankment height (m)	1.90	Water depth (m)	0.45	Embankment height (m)	-

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

Bed material in site is: unconsolidated (suspension) unconsolidated (erosion) Chalkstone

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

WATER QUALITY

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

PREVALENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting Point of observation (tick one box)
 Enhancement Stone Riprap (tick one box)

WATER QUALITY

None Waterfalls > 5m high Artificial open water Bog Other (state)
 Broad/wide channels Natural open water Curr
 Debris dams Water meadow Marsh
 Lorry debris Fan Flush

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

WATER QUALITY

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other (state Rhododendron bracken)

MAJOR IMPACTS: bankline - sipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - mill industry - housing - mining - quarrying - overgrazing - recreation - fabric management - other - other =

LAND MANAGEMENT: no-mow - buffer strip - broadleaf - abandoned bed - peatland - MoD - other =

AESTHETIC: other - mist - way side - Kingfisher - dipper - grey wagtail - and meads - heron - dragonfly/damselfly

OTHER SIGNIFICANT OBSERVATIONS: PART OF CHANNEL & BANKS RESTRICTED IN AN ATTEMPT TO REDUCE CHUR FLOOD FROM BEING A FIELD OF IMPROVED PASTURE ON E BANK.

Abandon? None Present Extensive Discard Abandon? None Present Extensive

BACKGROUND INFORMATION

Altitude (m) _____ Slope (m/100) _____
 Sediment geology code _____ Drill geology code _____
 Distance from source (km) _____ Significant tributary?
 Height of source (m) _____ Water Quality Class _____

Flow category (1-10) _____
 Platform category _____
 Navigation? _____

Reference network dist number: 2060
 Location: Wick PAVEN

Date: 15.2.2008
 Site: Wick PAVEN

Advance conditions affecting survey? No Yes (tick one box)

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

IF single photograph - general character? No Yes (tick one box)
 IF multiple photographs - special features? No Yes (tick one box)

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



VALLEY FORM NOTES

Number of 3 3 1
 Pools 3 2
 VEGETATED POINT BARS

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO
 P.M. DAVISON, WT. RIVER LABORATORY, EAST STOCK, WARRAM, 2570 688

PHYSICAL ATTRIBUTES (to be measured across channel within a 1m wide transect) - see entry only

Spot check 1 in upstream (1) direction	2	3	4	5	6	7	8	9	10
LEFT BANK	GA	EA	GA	GA	CA	GA	GA	GA	GA
Bank modification(s)	N	N	N	N	N	N	N	N	N
Channel substrate	N	N	N	N	N	N	N	N	N
Channel modification(s)	N	N	N	N	N	N	N	N	N
Channel feature(s)	N	N	N	N	N	N	N	N	N
Bank modification(s)	N	N	N	N	N	N	N	N	N
Bank feature(s)	N	N	N	N	N	N	N	N	N

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m)	B	U	U	U	U	U	S	S	U	U
RIGHT BANK-TOP (structure within 1m)	S	U	U	U	U	U	S	S	U	U

PLANT GENERA - list five

None										
Emergent broad-leaved herbs										
Emergent narrow-leaved herbs										
Floating-leaved (rooted)										
Free-floating										
Amphibians										
Submerged broad-leaved										
Submerged narrow-leaved										
Filamentous algae										

WATER VEGETATION SURVEY: VEGETATION AND INFLUENCES

Ungrazed/mowed woodland (U)			Rich pasture (R)		
Continuous plantation (CP)			Improved/mild-mowed grass (IG)		
Orchard (OR)			Woodland (W)		
Heartland/brush (HB)			Watercourse (W)		
Scrub (SC)					

Vertical structure

Vertical + low			Shaded + shrubby		
Slopes (>45°)			Relieved + steep		
Grass			Relieved + low		
Composites			Artificial topography		

Associated Features (tick one box per feature)

None					
Shading of stream					
Overhanging rocks					
Exposed bankface					
Overgrown channel					
Vegetated side channel					
Mature island					
Unvegetated side bar					
Vegetated side bar					
Unvegetated ditch bar					
Vegetated ditch bar					

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

PHYSICAL DIMENSIONS (to be measured by one of the two observers)

LEFT BANK	Banktop width (m)	1.5	RIGHT BANK	1.5
Banktop height (m)	Water width (m)	1.1	Banktop height (m)	1.1
Embankment height (m)	Water depth (m)	0.25	Embankment height (m)	

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

Bed material of site is: consolidated (compact) unconsolidated (loose) (tick one box)

Location of measurement is: still run or glide eddy (tick one box)

Number of Cutworms = _____ Weirs = _____ Outlets = _____ Fords = _____
 Footbridges = _____ Embankments = _____
 Is water impounded by weirs? No Yes, < 1% of site > 1% of site

Frequency of recent (6 months) disturbance

None			
Disturbance			
Enhancement			

FEATURES OF SPECIAL INTEREST

None			
Waterfalls > 5m high			
Boulder/side channels			
Debris dams			
Lady dolts			
Artificial open water			
Natural open water			
Water meadows			
Pan			
Box			
Cave			
Marsh			
Flush			

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

Notes: Great Egret Hairy Woodpecker Sparrow Other? North Black-throated Greenlet

Major impacts: bank/soil - clipping - litter - sewage - pollution - drought - obstruction - m/s - dam - road - soil industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - fishing - other? = _____

Lead Management: no-side - buffer strip - bankland - abandoned land - perched - MoD - other? = _____

Animals: other - mist - water vole - Kingfisher - Gopher - grey wren - red warbler - heron - dragonfly/ damselfly

Other significant observations: _____

ALTER? None Present Extensive Disposed Alter? None Present Extensive

INDICATE DOMINANT FLOW REGIME (select up to three features):

MAINLY SLOW WATER

BACKGROUND MAP-BASED INFORMATION

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

Reference network site number: 2052

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

Site Reference: NC990408 River: RIVERSIDE WATER

Date: 31.5.1996 Time: 10.05 Surveyor name: J.G. Accreditation code: P.F.D.

Average conditions affecting survey? No Yes (if yes, state)

Is site visible? No partially entirely (tick one box)

IFB slope photograph: General character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, are repeated adjacent features? No Yes (tick one box)

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

Channel valley floor? No Yes (If U-shaped glacial valley, add 'U')

Vegetated point bars: 2

Unvegetated point bars: 2

VEGETATION SURVEY

Code	L	R	L. Rec.	R. Rec.
Bank			<input checked="" type="checkbox"/>	<input type="checkbox"/>
Channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Point bar	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Flood plain	<input type="checkbox"/>	<input type="checkbox"/>		
Wood	<input type="checkbox"/>	<input type="checkbox"/>		

Associated Features (tick one box per feature)

Shading of channel	<input checked="" type="checkbox"/>	Percent (%)	
Overlapping banks	<input type="checkbox"/>		
Exposed bankside scree	<input type="checkbox"/>		
Overhanging tree roots	<input type="checkbox"/>		
Fallen trees	<input type="checkbox"/>		
Some woody debris	<input type="checkbox"/>		

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

VEGETATION SURVEY (CONTINUED)

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

Channel substrate (tick one box)

Substrate shape (tick one box)

Flow type (tick one box)

Channel modification (tick one box)

Channel function (tick one box)

Material (tick one box)

Bank modification (tick one box)

Bank function (tick one box)

LAND USE WITHIN 5m OF BANK TOP (L)

LEFT BANK-TOP structure within 5m

RIGHT BANK-TOP structure within 5m

LAND USE WITHIN 5m OF BANK TOP (R)

Flora/fauna checklist:

- Bryophytes/algae
- Emergent broad-leaved herbs
- Emergent sedge/fen/rush
- Flowering broad-leaved
- Free-floating
- Amphibians
- Submerged broad-leaved
- Submerged fine-leaved
- Fish/crustaceans etc.

RIVERSIDE WATER VEGETATION SURVEY

Channel dimensions (left bank and right bank)

Bank height, water width, water depth, embankment height

If gradient lower than bankway level in slope, indicate: height (m) = width (m) =

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

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

Notes: Number of Channels, Water - Runnelages - Outside - Pools - Underbridges - Other

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

Flow regime: Dredging, Moving, Wash-carrying, Entrenched, Other? State

Notes: Weir/banks > 3m high, Bedside/ridge channels, Debris dams, Lentic debris, Artificial open water, Natural open water, Water meadow, Pools, Bog, Carr, Marsh, Fresh

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

Notes: Giant Hogweed, Elm/Myrica Salix, Japanese Knotweed, Other? (tick the characteristic structure)

Major impacts: befall - fling - blow - surge - pollution - drought - obstruction - mill - dam - and - rail - industry - loading - unloading - quarrying - overdraining - diversions - sediment management - silt - other

Land Management: cut-back - buffer strip - bankfull - abandoned bed - partition - MoD - other

Animals: other - mist - water vole - Kingfisher - grey heron - sand martin - heron - dragonfly/damselfly

Other significant observations: Common sandpiper

1996 RIVER HABITAT SURVEY (Page 2 of 2)

BACKGROUND MAP-BASED INFORMATION

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

B. RELEVANT SURVEY DATA

Reference network site number: 2054
 Mid-site grid reference of network site if different from designated location: 668244

Grid Reference: WD170470 River: LITTLE RIVER

Date: 8/5/1996 Time: 13:45 Surveyor name: JSGP Accreditation code: P19
 Adverse conditions affecting survey? Yes No (Yes, state QP10, QP11 & QP12 TO DESCRIBE CURRENT CONDITIONS)

Bed of river visible? No partially entirely (tick one box) due to partly water

IFE single photograph: general character? No Yes (tick one box) channel
 and, as required, special features? No Yes (tick one box)

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

C. RIVER CHANNEL CHARACTERISTICS

Terrestrial valley floor? No Yes (SEE VALLEY FORM NOTES)

Riffles 8 Vegetated point bars —
 Pools 1 Vegetated point bars 5

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOCK, WARHAM, BRED 688

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

TALLY (see 207) for: Riffles 11 Pools 1 Urrug side bars — Veg point bars 11

B. PHYSICAL ATTRIBUTES (to be assessed across channel profile at 1m wide transects) - one transect only

Spot check 1 is: upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK (structure) <input type="checkbox"/> (functional) <input checked="" type="checkbox"/>	EA	EA	EA	SS	EA	EA	EA	EA	EA	EA
Material <u>W, M, D, S, G, L, P, C, B, F, G, L, P, M, B, S, F</u>	EA	EA	EA	SS	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>W, M, D, S, G, L, P, C, B, F, G, L, P, M, B, S, F</u>	PC	VO	VO	NO	VO	VO	VO	VO	VO	VO
Bank feature(s) <u>W, M, D, S, G, L, P, C, B, F, G, L, P, M, B, S, F</u>	NO	NO	VS	VP	VS	VS	VS	VS	VS	VS
Channel substrate <u>W, M, D, S, G, L, P, C, B, F, G, L, P, M, B, S, F</u>	SP	CO	NV	NV	NV	BO	NV	NV	CO	NV
Substrate shape <u>F, O, V, E, B, C, P, O, E, O, B, O, V</u>	IR	IR	NA	NA	NA	IR	NA	NA	IR	NA
Flow app? <u>W, M, D, S, G, L, P, C, B, F, G, L, P, M, B, S, F</u>	LP	UP	UP	UP	UP	UP	UP	UP	UP	UP
Channel modification(s) <u>W, M, D, S, G, L, P, C, B, F, G, L, P, M, B, S, F</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>W, M, D, S, G, L, P, C, B, F, G, L, P, M, B, S, F</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Material <u>W, M, D, S, G, L, P, C, B, F, G, L, P, M, B, S, F</u>	EA	SS	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>W, M, D, S, G, L, P, C, B, F, G, L, P, M, B, S, F</u>	VO	VO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>W, M, D, S, G, L, P, C, B, F, G, L, P, M, B, S, F</u>	EC	VP	EC	NO	NO	NO	NO	NO	NO	NO

D. CHANNEL VEGETATION

Land use: choose one from EL, CP, OR, BR, EC, TR, RP, KL, R, WL, OV, W

LAND USE WITHIN 5m OF BANKTOP (L)	RP	CP	RP	CP	RP	CP	RP	CP	RP
LEFT BANK-TOP (structure) <input type="checkbox"/> (width) <input checked="" type="checkbox"/>	U	S	U	S	U	U	U	U	U
LEFT BANK FACE (structure) <input type="checkbox"/> (width) <input checked="" type="checkbox"/>	B	S	S	U	S	S	S	U	B
RIGHT BANK FACE (structure) <input type="checkbox"/> (width) <input checked="" type="checkbox"/>	B	S	B	S	S	U	B	B	S
RIGHT BANK-TOP (structure) <input type="checkbox"/> (width) <input checked="" type="checkbox"/>	S	S	U	S	S	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	CP	RP	CP	RP	CP	RP	CP	RP

E. CHANNEL VEGETATION

NONE / PLANT GENERA - list first 5

	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emergent broad-leaved herbs	✓									
Emergent rush/cyperus/rushes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Floating-leaved (round)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged free-floating										
Filamentous algae										

1996 RIVER HABITAT SURVEY

CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	10.0	RIGHT BANK	Banktop height (m)	
Banktop height (m)	0.65	Water width (m)	8.0	Banktop height (m)	0.85
Embankment height (m)	—	Water depth (m)	0.50	Embankment height (m)	—

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

Soil material at site is: conciliated (compact) unconsolidated (loose) unknown

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

CHANNEL VEGETATION

None Number of: Cytisus = Weirs = Other's = Fungi =
 Footbridges = Earthbridges =
 In water impounded by weir/dam? No Yes, < 35% of site > 35% of site

REVISIONS TO CHANNEL MANAGEMENT

None Dredging Moving Weed cutting
 Enhancement Other? Soil (un)stabilisation (un)stabilisation left bank right bank

DESIRABLE OPERATIONAL INTEREST

None	Artificial open water	Log	Other (none)
Waterfalls > 5m high	Natural open water	Can	
Riffle/side channels	Water meander	Mark	
Debris dams	Pen	Flank	
Lady debris			

CHANNEL VEGETATION

Is 35% or more of the channel channel with vegetation? NO YES

CHANNEL VEGETATION

None Great Ragweed Elm/Maple/Balm Sycamore/Knotweed Other? (tick one box)

CHANNEL VEGETATION

Major impacts: bankfill - clipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - mill industry - housing - mining - quarrying - overtopping - siltation - substrate management - albing - other? =

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

Animals: water - mist - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations:

Alders? None Present Extensive Decayed Alders? None Present Extensive

1996 RIVER HABITAT SURVEY

ASSOCIATED FEATURES

None	Present	Present	Present	None	Present
Bankfill				Bankfill	
Clipping				Litter	
Exposed sand/gravel				Exposed sand/gravel	
Exposed bankface				Exposed bankface	
Unvegetated mid-channel bar(s)				Unvegetated mid-channel bar(s)	
Vegetated mid-channel bar(s)				Vegetated mid-channel bar(s)	
Maternal island(s)				Maternal island(s)	
Unvegetated side bar(s)				Unvegetated side bar(s)	
Vegetated side bar(s)				Vegetated side bar(s)	

Indicate predominant flow sequence (select up to three features): 60% / 30% FLOW - (run)

BACKGROUND MAP-BASED INFORMATION

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

FIELD SURVEY DETAILS

Reference network site number: 2056
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 112324489 River: DE W. P. S. B. R. S.
 Date: 11/1996 Time: 11:00 Surveyor name: S. (P. W. R. I. N. G.) Accreditation code: 1111

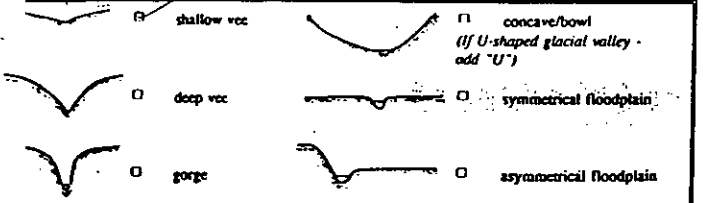
Adverse conditions affecting survey? No Yes If yes, state

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

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

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

PREDOMINANT VALLEY FORM (tick one box only)



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

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

Ripples: 19 Unvegetated point bars: -
 Pools: - Vegetated point bars: -

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

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

Spot check 1 in upstream? downstream?	1	2	3	4	5	6	7	8	9	10
LEFT BANK TACK (if functional fence)	✓									
Material (M) NO CO, CL, S, PE, CE, SP, W, CA, BR, SL, BY	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M) NO, AS, BS, FC, BR, EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M) NO, EC, IC, FB, VP, SV, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NEW - substrate shape (S) Flat, Oval, Elliptical, Spined, Circular, Polyhedral, Star-shaped, Other	BO	BO	BO	BO	BO	BO	BO	BO	BO	BO
Channel substrate (M) NO, BS, CO, CP, SA, SL, CL, PE, AS	BO	BO	BO	BO	BO	BO	BO	BO	BO	BO
Substrate shape (S) FL, OV, EL, SP, CU, PD, BR, Other	CU	CU	CU	CU	CU	CU	CU	CU	CU	CU
New type (S) FF, CH, BR, UN, CF, RP, UP, SM, BP, NO	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s) (M) NO, CO, CE, CL, PE, CE, SP, W, CA, BR, SL, BY	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (M) NO, BS, CO, CP, SA, SL, CL, PE, AS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TACK (if functional fence)	✓									
Material (M) NO, CO, CL, S, PE, CE, SP, W, CA, BR, SL, BY	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M) NO, AS, BS, FC, BR, EM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M) NO, EC, IC, FB, VP, SV, VS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

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

Q CHANNEL VEGETATION TYPES (to be assessed over a 33% area of channel (optional))

NONE / PLANT GENERA - list first 5									
Bryophytes/lichens									
Emerg broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emerg reed/sedge/rushes									
Floating-leaved (rooted)									
Free-floating									
Anachthonas									
Submerged broad-leaved									
Submerged fine/linear-leaved									
Filamentous algae	✓	✓	✓	✓	✓	✓	✓	✓	✓

NO. 2056 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

LEFT BANK	Banktop width (m)	6.50	RIGHT BANK	Banktop width (m)	6.50
Banktop height (m)	1.00	Water width (m)	4.00	Banktop height (m)	1.00
Embanked height (m)	-	Water depth (m)	0.15	Embanked height (m)	-
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box)					
Is water impounded by weirs? No <input checked="" type="checkbox"/> Yes, < 33% of site <input type="checkbox"/> > 33% of site <input type="checkbox"/>					
None <input checked="" type="checkbox"/> Dredging <input type="checkbox"/> Mowing <input type="checkbox"/> Wood cutting <input type="checkbox"/>					
None <input checked="" type="checkbox"/> Artificial open water <input type="checkbox"/> Bog <input type="checkbox"/> Other (state) <input type="checkbox"/>					
None <input checked="" type="checkbox"/> Natural open water <input type="checkbox"/> Carr <input type="checkbox"/>					
None <input checked="" type="checkbox"/> Water meadow <input type="checkbox"/> Marsh <input type="checkbox"/>					
None <input checked="" type="checkbox"/> Peat <input type="checkbox"/> Flush <input type="checkbox"/>					

RIGHT OF TREES AND ASSOCIATED FEATURES

None <input type="checkbox"/>	Left <input type="checkbox"/>	Right <input type="checkbox"/>	None <input type="checkbox"/>	Present E (> 33%) <input type="checkbox"/>
Isolated/scattered <input type="checkbox"/>			Shading of channel <input checked="" type="checkbox"/>	
Regularly spaced, slight <input type="checkbox"/>			Overhanging boughs <input type="checkbox"/>	
Occasional clumps <input type="checkbox"/>			Exposed bankside roots <input type="checkbox"/>	
Semi-continuous <input type="checkbox"/>			Underwater tree roots <input type="checkbox"/>	
Continuous <input type="checkbox"/>			Fallen trees <input type="checkbox"/>	
			Coarse woody debris <input type="checkbox"/>	

WATERFALLS AND ASSOCIATED FEATURES

None <input type="checkbox"/>	Present E (> 33%) <input type="checkbox"/>
Waterfall(s) <input type="checkbox"/>	Marginal dead-water <input type="checkbox"/>
Cascades(s) <input type="checkbox"/>	Exposed bedrock <input type="checkbox"/>
Rap(s) <input type="checkbox"/>	Exposed boulders <input type="checkbox"/>
Riffle(s) <input type="checkbox"/>	Unvegetated mid channel bar(s) <input type="checkbox"/>
Run(s) <input type="checkbox"/>	Vegetated mid channel bar(s) <input type="checkbox"/>
Bank(s) <input type="checkbox"/>	Marine island(s) <input type="checkbox"/>
Slide(s) <input type="checkbox"/>	Unvegetated side bar(s) <input type="checkbox"/>
Point(s) <input type="checkbox"/>	Vegetated side bar(s) <input type="checkbox"/>

Ind = predominant flow sequence (select up to three features):

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

LEFT BANK	Banktop width (m)	6.50	RIGHT BANK	Banktop width (m)	6.50
Banktop height (m)	1.00	Water width (m)	4.00	Banktop height (m)	1.00
Embanked height (m)	-	Water depth (m)	0.15	Embanked height (m)	-
Location of measurement is: riffle <input checked="" type="checkbox"/> run or glide <input type="checkbox"/> other <input type="checkbox"/> (tick one box)					
Is water impounded by weirs? No <input checked="" type="checkbox"/> Yes, < 33% of site <input type="checkbox"/> > 33% of site <input type="checkbox"/>					
None <input checked="" type="checkbox"/> Dredging <input type="checkbox"/> Mowing <input type="checkbox"/> Wood cutting <input type="checkbox"/>					
None <input checked="" type="checkbox"/> Artificial open water <input type="checkbox"/> Bog <input type="checkbox"/> Other (state) <input type="checkbox"/>					
None <input checked="" type="checkbox"/> Natural open water <input type="checkbox"/> Carr <input type="checkbox"/>					
None <input checked="" type="checkbox"/> Water meadow <input type="checkbox"/> Marsh <input type="checkbox"/>					
None <input checked="" type="checkbox"/> Peat <input type="checkbox"/> Flush <input type="checkbox"/>					
Is 33% or more of the channel choked with vegetation? NO <input type="checkbox"/> YES <input type="checkbox"/>					
None <input checked="" type="checkbox"/> Great Hogweed <input type="checkbox"/> Himalayan Balsam <input type="checkbox"/> Japanese Knotweed <input type="checkbox"/> Other? Nettle Rhododendron bractea <input type="checkbox"/>					
Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - other? =					
Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =					
Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly					
Other significant observations:					
Alders' None <input type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/> Discarded Alders' None <input type="checkbox"/> Present <input type="checkbox"/> Extensive <input type="checkbox"/>					

1996 RIVER HABITAT SURVEY with IFC mode for plant genera and features Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

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

B. FIELD SURVEY DETAILS

Reference network site number: 2061
 Mid-site grid reference of network site if different from designated location:

Grid Reference: NC175 327 River: PLYMOUTH PASS
 Date: 16.12.1996 Time: 13:40 Surveyor name: T.S.P. Accreditation code: P.17
 Adverse conditions affecting survey? No Yes If yes, state:

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

C. PREDOMINANT VALLEY FORM (tick one box only)

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

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

D. NUMBER OF RIFFLES, POOLS AND POINTS

Riffles Unvegetated point bars
 Pools 3 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO
 P.H. DAWSON, IFC, RIVER LABORATORY, EAST STAKE, WAREHAM, BH20 6RS

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2

TALLY (see IFC) for riffles Pools (see IFC) Diverse side runs Veg point bars

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

Spot check 1 = upstream downstream

LEFT BANK	1	2	3	4	5	6	7	8	9	10
Material (M) A,B,C,D,E,F,G,H,I,J,K,L,M,N,P,Q,R,S,T,U,V,W,X,Y,Z	B	B	B	B	B	B	B	B	B	B
Bank modification(s) (M) A,B,C,D,E,F,G,H,I,J,K,L,M,N,P,Q,R,S,T,U,V,W,X,Y,Z	N	N	N	N	N	N	N	N	N	N
Bank feature(s) (M) A,B,C,D,E,F,G,H,I,J,K,L,M,N,P,Q,R,S,T,U,V,W,X,Y,Z	N	N	N	N	N	N	N	N	N	N
Channel (C) A,B,C,D,E,F,G,H,I,J,K,L,M,N,P,Q,R,S,T,U,V,W,X,Y,Z	N	N	N	N	N	N	N	N	N	N
Channel substrate (M) A,B,C,D,E,F,G,H,I,J,K,L,M,N,P,Q,R,S,T,U,V,W,X,Y,Z	N	N	N	N	N	N	N	N	N	N
Substrate shape (S) A,B,C,D,E,F,G,H,I,J,K,L,M,N,P,Q,R,S,T,U,V,W,X,Y,Z	N	N	N	N	N	N	N	N	N	N
Flow type (F) A,B,C,D,E,F,G,H,I,J,K,L,M,N,P,Q,R,S,T,U,V,W,X,Y,Z	N	N	N	N	N	N	N	N	N	N
Channel modification(s) (M) A,B,C,D,E,F,G,H,I,J,K,L,M,N,P,Q,R,S,T,U,V,W,X,Y,Z	N	N	N	N	N	N	N	N	N	N
Channel feature(s) (M) A,B,C,D,E,F,G,H,I,J,K,L,M,N,P,Q,R,S,T,U,V,W,X,Y,Z	N	N	N	N	N	N	N	N	N	N
RIGHT BANK	1	2	3	4	5	6	7	8	9	10
Material (M) A,B,C,D,E,F,G,H,I,J,K,L,M,N,P,Q,R,S,T,U,V,W,X,Y,Z	B	B	B	B	B	B	B	B	B	B
Bank modification(s) (M) A,B,C,D,E,F,G,H,I,J,K,L,M,N,P,Q,R,S,T,U,V,W,X,Y,Z	N	N	N	N	N	N	N	N	N	N
Bank feature(s) (M) A,B,C,D,E,F,G,H,I,J,K,L,M,N,P,Q,R,S,T,U,V,W,X,Y,Z	N	N	N	N	N	N	N	N	N	N

F. BANKTOP LAND USE AND VEGETATION STRUCTURES (to be classified over a 10m wide transect)

Land use: Choose one from R, C, O, M, S, T, H, K, L, W, O, S, U

LAND USE WITHIN 5m OF BANKTOP (L)	R	C	O	M	S	T	H	K	L	W	O	S	U
LEFT BANK-TOP (structure within 1m) BWSIC	C	C	S	C	C	S	S	C	S	C	S	C	S
LEFT BANK FACE (structure) BWSIC	B	B	B	B	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure) BWSIC	B	B	B	B	B	B	B	B	B	B	B	B	B
RIGHT BANK-TOP (structure within 1m) BWSIC	S	S	S	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	M	M	M	M	M	M	M	M	M	M	M	M	M

G. PLANT GENERA - list first 5

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

STR NO. 2061

Streamlined woodland (SL)	L	R	Wetland (W)	L	R
Coniferous plantation (CP)			Improved/improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/semi-vegetation (TH)			Suburban/urban development (SU)		

CHANNEL FORMS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/woodcut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>45)			Reinforced - top only		
Gratic			Reinforced - toe only		
Composite			Artificial toe-steps		
			Poached		
			Embanked		
			Set back embankments		

TREES (tick one box per bank)

None	Left	Right	Associated features (tick one box per feature)	None	Present E (2.11%)
Isolated/occasional			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Bank-continuous			Underwater tree roots		
Continuous			Fallen trees		
			Chosen woody debris		

ASSOCIATED FEATURES (tick one box per feature)

Waterfall(s)	None	Present E (2.11%)	Marginal deadwater	None	Present E (2.11%)
Caecium(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid-channel bar(s)		
Roof(s)			Vegetated mid-channel bar(s)		
Bank(s)			Mature island(s)		
Ohole(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

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

1996 RIVER HABITAT SURVEY DIMENSIONS AND REQUIREMENTS

CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	5.00	RIGHT BANK		
Banktop height (m)	0.75	Water width (m)	5.00	Banktop height (m)	0.75
Embanked height (m)		Water depth (m)	0.10	Embanked height (m)	

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

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

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

VEGETATION ATTRIBUTES

None Number of Culverts = Weirs = Outfalls =
 Footbridges = Embankments = 1 Other =
 Fords =
 Is water impounded by weirs/dams? No Yes, <33% of site >33% of site

EVIDENCE OF RECENT MAN-MADE INTERFERENCE

None Dredging Mowing Weed-cutting
 Enhancement Other? Stair

FEATURES OF SPECIAL INTEREST

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

CHOICE CHANNEL

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

DEPTHS OF VEGETATION CHOKING

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Nettle Rhododendron

MAJOR IMPACTS bankfill - sipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siltage - other? =

LAND MANAGEMENT set aside - buffer strip - bankfill - abandoned land - parkland - MoD - other? =

ANIMALS otter - mist - water vole - kingfisher - dipper - grey wagtail - sand martin - brown - dragonflies/damselflies

OTHER SIGNIFICANT OBSERVATIONS

WALDERS (tick appropriate box)

Adern? None Present Extensive Damaged Adern? None Present Extensive

A. BACKGROUND MAP-BASED INFORMATION

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

B. FIELD SURVEY DETAILS

Reference network site number: 2062
 Mid-site grid reference of network site if different from designated location:

Grid Reference: NC 234310 River: ...
 Date: 6/15/1996 Time: 16:25 Surveyor name: Accreditation code:
 Adverse conditions affecting survey? No () Yes () If yes, state:
 Bed of river visible? No () partially () entirely () (tick one box)
 IFC single photograph: general character? No () Yes () (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No () Yes () (tick one box)
 Site surveyed from: left bank () right bank () channel () (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

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

Terraced valley floor? No () Yes () IFC - VALLEY FORM NOTES:
 NUMBER OF RIFLES, POOLS AND POINT BARS (if any):
 Rifles: Unvegetated point bars:
 Pools: 13 Vegetated point bars:

NO COMPLETED FORMS WEEKLY plus all water samples and exposures claims TO
 I. DAWSON, IFC, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 4BB

PHYSICAL ATTRIBUTES (to be assessed across channel width of 1m wide transects) - one survey only

LEFT BANK TYPIC (if functional feature)

Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK TYPIC (if functional feature)

Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 5m)	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
LEFT BANK FACE (structure)	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
RIGHT BANK FACE (structure)	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS
RIGHT BANK-TOP (structure within 5m)	MS	MS	MS	MS	MS	MS	MS	MS	MS	MS

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

NONE	PLANT GENERA - see list									
Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent reed/sedge/grasses										
Floating-leaved (freefloat)										
Free-floating										
Amphiphilous										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

ITS NO. 2062

submerged woodland (BL)					
uniform siltation (CF)					
wooded (CR)					
Marbled/patch (CR)	B	G			
sh (CR)					
herbs and vegetation (TR)					

Natural/semi-natural

submerged					
bed + top (>45°)					
grove	B	G			

Artificial/modified

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

TESTS (tick one box per bank) - ASSOCIATED FEATURES (tick one box per feature)

None	Left	Right	None	Percent B (2.1%)
Irregular/irregular			Shading of channel	
Regularly spaced, slight			Overhanging boughs	
Occasional changes			Exposed bedrock	
Small continuous			Exposed boulders	
Continuous			Underwater tree roots	
			Puffin trees	
			Course woody debris	

WATER QUALITY

Waterfall(s)	None	Percent B (2.1%)	Marginal disturbance	None	Percent B (2.1%)
Channel(s)			Exposed bedrock		
Rap(s)			Exposed boulders		
Riffle(s)			Unvegetated mid channel bar(s)		
Run(s)			Vegetated mid channel bar(s)		
Bank(s)			Mature island(s)		
Slide(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features):
 W-R-R-L-P-O-L-R-O-L (M100)
 T100
 S100

RIVER HABITAT SURVEY DIMENSIONS AND NOTICES

LEFT BANK

Banktop width (m): 7.60
 Banktop height (m): 0.95
 Embankment height (m): -

RIGHT BANK

Banktop width (m): 6.00
 Banktop height (m): 0.60
 Embankment height (m): 0.20

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

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

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

Channel Attributes

None () Number of: Culverts = Weirs = Outfalls = Ponds =
 Footbridges = Embankments = Other =

Is water impounded by weir/barr? No () Yes, <1% of site () >1% of site ()

Channel Bed and Bank Management

None () Dredging () Mowing () Weed cutting ()
 Enhancement () Other? State:

Channel Features

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

Bedrock/bed channels () Natural open water () Carr ()
 Debris dams () Water meadows () Marsh ()
 Leafy debris () Pits () Flush ()

Channel Channel

Is 1% or more of the channel choked with vegetation? NO () YES ()

Channel Channel

None () Giant Hogweed () Nymphaea tuberosa ()
 Agrostis Canadensis () Other? (state)

Channel Channel

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

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

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

Other significant observations: ...

Channel Channel

Altered? None () Present () Extensive ()
 Discarded Altered? None () Present () Extensive ()

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

A BACKGROUND MAP-BASED INFORMATION

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

B FIELD SURVEY DETAILS

Reference network site number: 7067
 Mid-site grid reference of network site if different from designated location:

Grid Reference: NCS2532 River: MULLAWAN
 Date: 10/5/1996 Time: 9:15 Surveyor name: T.C. (Dawson) Accreditation code: 10001
 Adverse conditions affecting survey? No Yes If yes, state:
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

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

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

D NUMBER OF LINES, POOLS AND POINT BARS (indicate location)

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

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.N. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BA20 4BB

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

TABLE (see IFE for details) Reach: Mullawon Stream site: 7067

E PHYSICAL ATTRIBUTES (to be assessed across channel within 2 m wide transect) * = one entry only

Spot check 1 is upstream of downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Material	BE	BE	BE	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	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Substrate shape	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Plan type	UP	UP	UP	UP	UP	UP	UP	UP	UP	UP
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	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Material	BE	BE	BE	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

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

Land use: choose one from ML, CP, OH, NH, SC, TH, RP, KC, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	MH	MH	MH	MH	MH	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 5m) BUSE	B	S	S	S	S	C	C	C	C	B
LEFT BANK FACE (structure) BUSE	B	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure) BUSE	S	B	B	B	B	B	B	B	B	B
RIGHT BANK-TOP (structure within 5m) BUSE	S	S	S	S	S	B	S	C	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	MH	MH	MH	MH	MH	RP	RP	RP	RP	BL

G CHANNEL-BANK PLANT GENERA (tick one box)

NONE	PLANT GENERA - list from 5									
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Flowering-leaved (rooted)										
Frac-flowering										
Amphibious										
Submerged broad-leaved										
Submerg floating-leaved										
Filamentous algae										

SITE NO. 7067

Streamlined woodland (SL)	L	R		L	R
Cauliflowers (CF)					
Orchard (OR)					
Macroadherb (MA)	B	B			
Straw (SC)					
Tall herbs and vegetation (TH)					

ASSOCIATED FEATURES (tick one box per feature)

None	Left	Right	None	Percent E (≥ 33%)
Isolated/cutover			Shading of channel	
Regularly spaced, single			Overhanging banks	
Occasional clumps			Exposed bedrock	
Small continuous			Exposed boulders	
Continuous			Unvegetated mid-channel bar(s)	
			Vegetated mid-channel bar(s)	
			Mature island(s)	
			Unvegetated side bar(s)	
			Vegetated side bar(s)	

TRENDS (tick one box per trend)

Waterfall(s)	None	Percent E	Marginal deadwater	None	Percent E (≥ 33%)
Cascades(s)			Exposed bedrock		
Rapids(s)			Exposed boulders		
Riffle(s)			Unvegetated mid-channel bar(s)		
Rum(s)			Vegetated mid-channel bar(s)		
Bank(s)			Mature island(s)		
Slide(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

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

1996 RIVER HABITAT SURVEY: DIMENSIONS AND MEASUREMENTS

LEFT BANK	Banktop width (m)	15.20	RIGHT BANK	
Banktop height (m)	Water width (m)	13.00	Banktop height (m)	1.10
Embankment height (m)	Water depth (m)	0.25	Embankment height (m)	

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

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

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

H CHANNEL FEATURES

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

I RESIDENCE OF AQUATIC INVERTEBRATES

None Dwelling Moving Wand-cutting
 Enhancement Other? State:

J FEATURES OF SPECIAL INTEREST (tick one box)

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

K CHECKED VEGETATION

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

L VEGETATION SPECIES

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

M MAJOR IMPACTS

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

Land Management: set-back - buffer strip - bankfull - abandoned land - parkland - MoD - other? =

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

Other significant observations: HIGH UNBURY - RIVER WITH SOME STRUCTURE
 IN A SMALL SECTION WHERE THERE IS MORE GRASS LIKE

N ALDERS (tick appropriate box)

Alders? None Present Extensive Discussed Alders? None Present Extensive

A. BACKGROUND MAP-BASED INFORMATION

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

B. FIELD SURVEY DETAILS

Reference network site number: 7066

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

Grid Reference: M472392 River: ALT NAMBAD

Date: 12/5/1996 Time: 12:55 Surveyor name: JSC Accreditation code: P.T.A.

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

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

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

and, as required, special feature? No Yes (tick one box)

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

C. PREDOMINANT VALLEY FORM (tick one box only)

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

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

D. NUMBER OF RIFFLES, POOLS AND OTHER CHANNEL FEATURES (tick one box only)

Riffles _____ Unvegetated point bars _____
 Pools _____ Vegetated point bars _____

E. AND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO H. DAWSON, IFE, RIVER LABORATORY, EAST STOCK, WARRNAM, 32120 488

TALLY (one PD) for - Riffles Pools 111 Unveg. point bars 111 Veg. point bars _____

B. PHYSICAL ATTRIBUTES (to be measured across channel within 2.5m wide transects) - one transect only

Spot check 1 - upstream	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK if functional feature									
Material (M) NO PD CO SL CL PE CC FV W CL M B W	B	O	B	O	N	O	B	O	B
Bank modification(s) (M) NO SL B F CL M B W	N	O	N	O	N	O	N	O	N
Bank feature(s) (M) NO SL B F CL M B W	N	O	N	O	N	O	N	O	N
CHANNEL - TICK if functional feature									
Channel substrate (M) NO SL B F CL M B W	B	O	B	O	N	O	B	O	B
Substrate shape (M) NO SL B F CL M B W	P	O	P	O	P	O	P	O	P
Flow type (M) CH CE RP CH NP CH HP RP	CH	CH	CE	RP	CH	NP	CH	HP	RP
Channel modification(s) (M) NO SL B F CL M B W	N	O	N	O	N	O	N	O	N
Channel feature(s) (M) NO SL B F CL M B W	N	O	N	O	N	O	N	O	N
RIGHT BANK - TICK if functional feature									
Material (M) NO PD CO SL CL PE CC FV W CL M B W	B	O	B	O	N	O	B	O	B
Bank modification(s) (M) NO SL B F CL M B W	N	O	N	O	N	O	N	O	N
Bank feature(s) (M) NO SL B F CL M B W	S	B	N	O	S	B	N	O	S

F. BANKTOP LAND USE AND VEGETATION STRUCTURES (to be measured every 2.5m wide transects)

Land use: choose one from SL, CL, CO, SL, CL, PE, CC, FV, W, CL, M, B, W

LAND USE WITHIN 5m OF BANKTOP (L)	MH	MI	MHR	RP	RR	RRP	RRP	RRP	RRP
LEFT BANK TOP structure within 5m (M) (M) SC	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) (M) SC	S	B	S	B	S	B	S	B	S
RIGHT BANK FACE (structure) (M) SC	S	S	R	B	B	S	B	S	B
RIGHT BANK TOP structure within 5m (M) SC	S	S	S	S	S	S	S	S	S

G. CHANNEL VEGETATION (tick one box only)

None PLANT GENERA - tick five 5

Bryophytes/lichens									
Emerg broad-leaved herbs									
Emerg reed/sedge/grasses									
Flooding-tolerant (tree/shrub)									
Free-flowering									
Amphibious									
Submerged broad-leaved									
Submerged floating-leaved									
Flowering type									

SITE NO. 2064

	L	R		L	R
modified/wooded (ML)			Rough pasture (RP)		
uniform plantation (UP)			improved/semi-improved grass (IG)		
rubus (RU)			Tidal flat (TL)		
Woodland/bank (WB)			Wetland (by bog, marsh, fen) (WL)		
bank (BO) - <u>Shrub</u>			Open water (OW)		
all herbs/real vegetation (TR)			Suburban/urban development (SU)		

Natural/semi-nat. bed	L	R	Artificial/modif. bed	L	R
vertical/stepped			Reinforced		
riffl + toe			Reinforced - whole bank		
rip (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Paired		
			Embanked		
			Set back embankment		

TESTS (tick one box per bank)

None	Left	Right
Suburban/urban		
Regularly spaced, steep		
Occasional change		
Bank-continues		
Continuous		

ASSOCIATED FEATURES (tick one box per feature)

None	Percent 5 (2.5/5)
Shading of channel	
Overhanging boughs	
Exposed bankside roots	
Underway tree roots	
Fallen trees	
Coarse woody debris	

WATERBODIES (None Percent 5 (2.5/5))

Waterbodies	None	Percent 5 (2.5/5)
Canal(s)		
Rap(s)		
Riffle(s)		
Race(s)		
Bank(s)		
Obstacle(s)		
Pool(s)		

Marginal deadwood (None Percent 5 (2.5/5))

None	Percent 5 (2.5/5)
Exposed deadwood	
Exposed boulders	
Unvegetated mid channel bar(s)	
Vegetated mid channel bar(s)	
Mature island(s)	
Unvegetated side bar(s)	
Vegetated side bar(s)	

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

CHANNEL VEGETATION SURVEY - SITE NO. 2064

LEFT BANK

Banktop width (m)	<u>2.70</u>	BANK			
Banktop height (m)	<u>0.55</u>	Water width (m)	<u>2.40</u>	Bank height (m)	<u>0.65</u>
Embanked height (m)		Bank depth (m)	<u>0.15</u>	Bank height (m)	

If transect lower than banktop bank in slope, indicate slope (m) = _____

Bed material at site is: coarsest (top) _____ finest (base) _____

Location of measurement: riffle pool (tick one box)

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

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

None Draining Moving Wood-cutting
 Embankment Other? State _____

CHARACTERISTICS OF BED (ALPHABETIC)

None				
Waterfalls > 5m high		Artificial open water		Bog
Brick/stone channels		Natural open water		Can
Debris dams		Water cascade		Marsh
Loose debris		Pan		Plank

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

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Name Rhododendron

Major impacts: health - drying - silt - sewage - pollution - drought - destruction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - erosion - substrate management - silting - other? _____

Land Management: set aside - buffer strip - headland - abandoned land - pertland - MoD - other? _____

Animals: other - mist - water vole - Magpie - dipper - grey wagtail - sand martin - heron - dragonfly/nauseletion

Other riparian observations: _____

5. ALDEBS (tick appropriate box(es))

Alters? None Present Extensive Disposed Alters? None Present Extensive

USGS BACKGROUND INFORMATION SHEET

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

Reference network site number: **10061**

Old Station: **269** River: **River**

Date: **5/10/88** Surveyor: **(Signature)** Accumulation code: **PS 9**

Bank of stream: left right both

Channel modification: No Yes

Channel bank(s): No Yes Both

LAND USE WITHIN 300 M OF BANK TOP (S)

MH	MU	MH	MH	MU	MH	MH	MU	MH	MH
----	----	----	----	----	----	----	----	----	----

LEFT BANK TOP (structure width) **5 5 5 5 5 5 5 5 5 5**

LEFT BANK FACE (structure) **5 5 5 5 5 5 5 5 5 5**

RIGHT BANK FACE (structure) **5 5 5 5 5 5 5 5 5 5**

RIGHT BANK TOP (structure width) **5 5 5 5 5 5 5 5 5 5**

Notes:
 ERTS: _____ Vegetated point bars: **2**
 Pools: **6** Vegetated point bars: _____

SEND COMPLETED FORMS WEEKLY plus all water samples and equipment claims TO:
 U.S. DAVIDSON, W.F. RIVER LABORATORY, EAST STOCK, WARRAN, DEED 624

1996 RIVER HABITAT SURVEY: TEM SPOT CHECKS

TALLY (see PI) for: Effort _____ Pools: **ML** Upriver side bars: _____ Veg point bars: _____

BY PHYSICAL ATTRIBUTES (to be processed across channel width in 10m cells (rows); 5m, max. entry only (2))

Spot Check 1 (1: upstream) 0 downstream 0	1	2	3	4	5	6	7	8	9	10
LEFT BANK TOP (structure width)	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
Substrate slope	FF	FP	CF	CH	CP	CH	CF	CH	CF	CH
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel bank(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank slope(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE WITHIN 300 M OF BANK TOP (S)

MH	MU	MH	MH	MU	MH	MH	MU	MH	MH
----	----	----	----	----	----	----	----	----	----

LEFT BANK TOP (structure width) **5 5 5 5 5 5 5 5 5 5**

LEFT BANK FACE (structure) **5 5 5 5 5 5 5 5 5 5**

RIGHT BANK FACE (structure) **5 5 5 5 5 5 5 5 5 5**

RIGHT BANK TOP (structure width) **5 5 5 5 5 5 5 5 5 5**

PLANT SPECIES

None / PLANT SPECIES - see sheet

Emergent broad-leaved	
Emergent narrow-leaved	
Floating-leaved	
Free-floating	
Amblyophyllous	
Submerged broad-leaved	
Submerged fine-leaved	
Charismatic algae	

ITEM NO. **2005**

CHANNEL CHARACTERISTICS

Channel	L	R	L	R
Channel width (m)				
Bank height (m)				
Channel depth (m)				
Channel slope				
Channel form				
Channel stability				
Channel bed composition				
Channel bank composition				
Channel bank stability				
Channel bank erosion				
Channel bank accretion				
Channel bank type				
Channel bank structure				
Channel bank vegetation				
Channel bank material				

ASSOCIATED FEATURES

Bank (top)	<input type="checkbox"/>	Bank (middle)	<input type="checkbox"/>
Bank (bottom)	<input type="checkbox"/>	Bank (side)	<input type="checkbox"/>
Channel (top)	<input type="checkbox"/>	Channel (middle)	<input type="checkbox"/>
Channel (bottom)	<input type="checkbox"/>	Channel (side)	<input type="checkbox"/>
Channel (structure)	<input type="checkbox"/>	Channel (material)	<input type="checkbox"/>
Channel (vegetation)	<input type="checkbox"/>	Channel (erosion)	<input type="checkbox"/>
Channel (accretion)	<input type="checkbox"/>	Channel (stability)	<input type="checkbox"/>
Channel (bank)	<input type="checkbox"/>	Channel (composition)	<input type="checkbox"/>
Channel (form)	<input type="checkbox"/>	Channel (slope)	<input type="checkbox"/>
Channel (width)	<input type="checkbox"/>	Channel (depth)	<input type="checkbox"/>
Channel (height)	<input type="checkbox"/>	Channel (width)	<input type="checkbox"/>
Channel (depth)	<input type="checkbox"/>	Channel (height)	<input type="checkbox"/>
Channel (width)	<input type="checkbox"/>	Channel (depth)	<input type="checkbox"/>
Channel (height)	<input type="checkbox"/>	Channel (width)	<input type="checkbox"/>

Flow

dominant flow response (select up to three features): **CASE APP - RUN (ST 67)**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	4.00	RIGHT BANK		
Banktop height (m)	0.10	Water width (m)	3.00	Banktop height (m)	1.65
Embankment height (m)		Water depth (m)	0.15	Embankment height (m)	

If banktop lower than banktop bank in slope, indicate: banktop (m) = _____, embankment (m) = _____

Bed material at site: consolidated (yes/no) unconsolidated (sand) (shale)

Location of measurement is: ditch open or side other (pick one box)

CHANNEL CHARACTERISTICS

None number of Obstructions = _____ Water type = _____ Outside = _____ Pools = _____
 Fast/flood = _____ Slow/flood = _____
 Is water impounded by vegetation? No Yes, 25% of the > 25% of the

CHANNEL CHARACTERISTICS

None Dredging Mowing Weed-cutting
 Enhancement Other (point) _____

CHANNEL CHARACTERISTICS

None Artificial open water Bog (see PI)
 Shaded side channel Matted open water Catt
 Deep side channel Water meadow Marsh
 Low side channel Pool Plant

Is 25% or more of the channel defined with vegetation? **NO** YES

CHANNEL CHARACTERISTICS

None Grass Nongrass Algae Reeds Other? (Mark characteristic location)

CHANNEL CHARACTERISTICS

Major impact: bank/erosion - logging - litter - sewage - pollution - dredging - herbicide - mow - dam - road - oil - industry - mining - fishing - quarrying - overgrazing - trampling - timber management - drug - other = _____

Land Management: set-aside - buffer strip - bentland - abandoned land - pasture - M&D - other = _____

Ambient: other - mow - water table - tree-fall - slip - soil - silt - weed - large - structural/erosion - other = _____

Other significant observations: **APPROX TOP OF US 200 - THE CHANNEL WAS CONSIDERED SMOOTH, ANGLED, LAYERS OF BEDROCK (2 PHOTOS ATTACHED)**

AMOST: None Present Extensive Disturbed Areas: None Present Extensive

BACKGROUND MAP-BASED INFORMATION

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

FIELD SURVEY DETAILS

Reference network site number: 2009
 Mid-site grid reference of network site if different from designated location: _____
 Grid Reference: _____ River: _____
 Date: 15/11/96 Time: 11:30 Surveyor name: _____ Accreditation code: _____
 Adverse conditions affecting survey? No Yes If yes, state: _____
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

PREDOMINANT VALLEY FORM: (tick one box only)

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

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

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

Riffles	Unvegetated point bars	2
Pools	Vegetated point bars	0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 H. GAWSON, IFE, RIVER LABORATORY, EAST STOEK, WALKERH, BH20 9NR

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

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

Spot check	1	2	3	4	5	6	7	8	9	10
LEFT BANK TACK if functional fence										
Material (M) - M0-M9	SS	SS	SS	CO	BO	BO	SS	CO	BO	BO
Bank modification (B) - B0-B9	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Bank feature (F) - F0-F9	N0	N0	EC	EC	NO	NO	NO	NO	NO	NO
CHANNEL NEW (indicates shape code)	Flow Obstr. Obstr. Obstr. Obstr. Obstr. Obstr. Obstr. Obstr. Obstr. Obstr.									
Channel substrate (S) - S0-S9	CO	BO	BO	BO	BO	BO	BO	BO	BO	BO
Substrate shape (SH) - SH0-SH9	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type (FT) - FT0-FT9	BW	OW	OW	OW	OW	OW	OW	OW	OW	OW
Channel modification (M) - M0-M9	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Channel feature (F) - F0-F9	RO	RO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TACK if functional fence										
Material (M) - M0-M9	SS	BO	BO	SS	SS	SS	SS	SS	SS	SS
Bank modification (B) - B0-B9	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Bank feature (F) - F0-F9	N0	N0	PS	SS	NO	SE	NO	EC	SB	EC

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

Land use: choose one from RL, CL, OL, NL, KL, PL, FL, RL, PL, RL, OL, OL

LAND USE WITHIN 5m OF BANKTOP (L)	RL	SC	SC	SC	NR	NH	NH	RR	RR	PH
LEFT BANK-TOP (structure within 1m) - BNSC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) - BNSC	S	S	S	B	S	S	S	S	B	U
RIGHT BANK FACE (structure) - BNSC	S	S	R	S	S	S	S	B	B	B
RIGHT BANK-TOP (structure within 1m) - BNSC	S	S	S	S	S	S	S	S	B	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	SC	SC	NH	SC	NH	RR	RR	RP

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

NONE / PLANT GENERA - list first 5

Bryophytes/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent broad-leaved herbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent reeds/sedges/cyperus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating leaved (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged fine-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

NO. 2009

	L	R		L	R
1 natural woodland (NL)			Rough pasture (RP)	5	6
2 rough plantation (CP)			Improved/local-improved grass (IG)		
3 other (OR)			Tiled land (TL)		
4 Moorland/heath (MR)	6	6	Wetland (eg bog, marsh, fen) (WL)		
5 SO			Open water (OW)		
6 other			Suburban/urban development (SU)		

Natural/woodland (nd)

	L	R	Artificial/modified	L	R
Y1 roughwood	2	2	Renaissance		
Y2 + tree			Reforested - whole bank		
Y3 (age > 45)			Reforested - top only		
Y4 Gully			Reforested - toe only		
Co 1a			Artificial two-stage		
			Poached		
			Embarked		
			Set back embankments		

SOUGHT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present	E (2/3%)
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging limbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	Canopy woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WATER MANAGEMENT FEATURES

Waterfall(s)	None	Present	E (2/3%)	None	Present	E (2/3%)
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Canal(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rap(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sliff(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lug(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Islet(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Udder(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Ind: predominant flow sequence (select up to three features): _____

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS

LEFT BANK	Banktop width (m)	7.50 <th>RIGHT BANK</th> <th>Banktop height (m)</th> <td>0.4</td>	RIGHT BANK	Banktop height (m)	0.4
Banktop height (m)	0.55 <th>Water width (m)</th> <td>7.00 <th>Banktop height (m)</th> <td>0.4</td> </td>	Water width (m)	7.00 <th>Banktop height (m)</th> <td>0.4</td>	Banktop height (m)	0.4
Embanked height (m)		Water depth (m)		Embanked height (m)	

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

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

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

MATERIAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)

None Number of Culverts = _____ Weirs = _____ Obfalls = _____ Ponds = _____
 Footbridges = _____
 Is water impounded by weirs? No Yes, < 33% of site > 33% of site

EVIDENCE OF RECENT MANAGEMENT (to be assessed over a 10m wide transect)

None Dragging Moving Weed-cutting
 Enhancement Other? State: _____

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

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

F CHOKED CHANNEL (tick one box)

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

G NOTABLE RUDERAL PLANT SPECIES (to be assessed over a 10m wide transect)

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other: *Nitella Elodea*, *Stramonium*

GENERAL CHARACTERISTICS

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

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? = _____

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

Other significant observations: _____

H ALDERS (tick appropriate box(es))

Alders: None Present Extensive Discarded Alders: None Present Extensive

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

A BACKGROUND MAP-BASED INFORMATION

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

B FIELD SURVEY DETAILS

Reference network site number: 2070
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 2006306 River: BORNISDALF WATER
 Date: 1.5/1996 Time: 9 AM Surveyor name: J. P. ... Accreditation code: ...

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

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

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

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

C PREDOMINANT VALLEY FORM (tick one box only)

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

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

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

Rifles: 9 Unvegetated point bars: _____
 Pools: _____ Vegetated point bars: _____

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

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

TALLY (see IFE for details) Points Unveg side bars Veg point bars

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

Spot check 1 is upstream downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if (functional) focus										
Material (M, B, D, G, L, P, C, E, S, F, W, CL, M, R, H, W)	04	51	5A	6A	6A	6A	6A	6A	6A	6A
Bank modification(s) (M, H, J, S, R, P, C, M, R, H, W)	110	110	110	110	110	110	110	110	110	110
Bank feature(s) (M, H, J, S, R, P, C, M, R, H, W)	110	EC	EC	110	NO	NO	NO	NO	NO	NO
CHANNEL NEW - substrate, shape, etc.	Flow speed, substrate, channel position, channel depth									
Channel substrate (M, H, J, S, R, P, C, M, R, H, W)	02	02	02	02	02	02	02	02	02	02
Substrate shape (F, W, CL, M, R, H, W)	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type (F, W, CL, M, R, H, W)	RP	JUR	RP	CF	RP	RP	RP	RP	RP	RP
Channel modification(s) (M, H, J, S, R, P, C, M, R, H, W)	NO	110	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (M, H, J, S, R, P, C, M, R, H, W)	RO	RO	RO	RO	RO	RO	RO	RO	RO	RO
RIGHT BANK TICK if (functional) focus										
Material (M, B, D, G, L, P, C, E, S, F, W, CL, M, R, H, W)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M, H, J, S, R, P, C, M, R, H, W)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M, H, J, S, R, P, C, M, R, H, W)	EC	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

Land use: choose one from (L, C, O, M, H, S, T, R, P, C, F, W, CL, M, R, H, W)

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK TOP (structure within 1m) (M, H, J, S, R, P, C, M, R, H, W)	U	U	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) (M, H, J, S, R, P, C, M, R, H, W)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) (M, H, J, S, R, P, C, M, R, H, W)	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) (M, H, J, S, R, P, C, M, R, H, W)	U	S	U	S	U	S	U	S	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

G CHANNEL VEGETATION TYPES (tick appropriate boxes) (if 33% areas or tick (present) 30% area)

NONE / PLANT GENERA - list first 3										
Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent sedge/cyperus/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear leaved										
Filamentous algae										

SITE NO. 2070

	L	R		L	R
Invertebrate woodland (IL)			Enough pasture (EP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Suburban/urban development (SU)		

Natural/semi-natural	L	R	Artificial/modified	L	R
Vertical/embankment			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (> 45°)			Reinforced - top only		
Geotextile			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embankment		
			Sci-tech embankment		

I PREVALENCE OF TREES AND ASSOCIATED FEATURES

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

J CHARACTERISTICS OF FLOW

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

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

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

LEFT BANK	Banktop width (m)	15.2	RIGHT BANK
Banktop height (m)	0.70	Water width (m)	17.50
Embanked height (m)		Water depth (m)	0.35
		Embanked height (m)	0.90

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

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

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

K CHANNEL CHARACTERISTICS

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

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

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

None Dredging Mowing Wood-cutting
 Embankment Other? State: _____

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

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

N CHECKED CHANNEL (tick one box)

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

O NOXIOUS NUISANCE PLANTS SPECIES (tick one box) - IFE also LARGE STANDS of others of

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

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail industry - housing - mining - quarrying - overtopping - afforestation - Eutrophic management - other? _____

Land Management: set-aside - buffer strip - heathland - abandoned land - parkland - MoD - other? _____

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

Other significant observations: _____

S ALDERS (tick appropriate box(es))

Alders: None Present Extensive Decayed Alders: None Present Extensive

1996 RIVER HABITAT SURVEY (Use this form for plant species and species codes)

BACKGROUND MAP-BASED INFORMATION

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

FIELD SURVEY DETAILS

Reference network site number: 2071
 Mid-site grid reference of network site if different from designated location:

Grid Reference: ND185331 River: BUES OF LATHLONHUSEL
 Date: 3.1.1996 Time: 15:40 Surveyor name: J.S. (P. Hutton) Accreditation code: P.F.A.
 Adverse conditions affecting survey? No Yes If yes, state: _____
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

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

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

NUMBER OF RIFFLES, POOLS AND POINT BARS

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

COMPLETED FORMS WEEKLY plus all water samples and expenses claim to P.N. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6AB

1996 RIVER HABITAT SURVEY SPOT CHECKS Page 2 of 4

TALLY (see P11 for - Riffles P 11) Pools 11 Uprive side bank 11 Veg point bars —

PHYSICAL ATTRIBUTES (tick one box per attribute)

Spot check 1 in: species	1	2	3	4	5	6	7	8	9	10
Material	GA	CA	FA	BA	GA	SA	SS	PO	BO	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	SB	SB	OC	PR	NO	BO
Channel substrate	WV	BO	BC	BO	BO	BO	BO	RO	PO	
Substrate slope	—	PO	PO	PO	PO	PO	PO	PO	PO	
Flow type	SM	CF	RP	CF	RP	RP	BN	RP	RP	BN
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	RO	RO	RO	RO	RO	RO	RO	RO	RO

RIGHT BANK (tick if functional feature)

Material	GA	CA	FA	BA	GA	SA	SS	PO	BO	
Bank modification(s)	NO	NO	NO	NO	NO	RI	NO	NO	NO	NO
Bank feature(s)	NO	NO	SC	NO	NO	NO	IB	EC	SB	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE (tick for dominant, 10m wide transect)

Land use: choose one from BL, CL, CR, RL, SC, FL, PL, OR, OV, SW

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

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emergent broad-leaved herbs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Emergent reeds/sedges/rushes										
Flowering-leaved (macro)										
Free-floating										
Amphibians										
Submerged broad-leaved										
Submerged fine-leaved										
Phanerogam algae										

NO. 2071

STRUCTURAL FEATURES AND RELATED FEATURES

Bank/bed modification (BL)	B	E	Rough pasture (RP)		
Grass plantation (GP)			Improved/improved grass (IG)		
Art (AR)			Tilled land (TL)		
Mound/bank (MB)			Wetland (eg bog, marsh, fen) (WL)		
PO	B	B	Open water (OW)		
Artificial bank vegetation (ABV)			Suburban/urban development (SU)		

Natural/semi-natural

V Woodland	2	2	✓	✓	Reinforced		
V E + tree					Reinforced - whole bank		✓
S (>45°)		E	G		Reinforced - top only		
Grade			✓		Reinforced - toe only		
C site					Artificial two-stage		
					Poached		
					Embanked		
					Set-back embankments		

ASSOCIATED FEATURES (tick one box per feature)

Name	Left	Right	None	Percent E (2.11%)
Exposed/battered				
Regularly spaced, single				
Occasional clumps				
Small clumps				
Continuous				
Shading of channel				
Overhanging boughs				
Exposed bankside roots				
Underwater tree roots				
Fallen trees				
Course woody debris				

WATERBARS

Name	Present	%	Name	Present	%
Waterbar(s)			Marginal down-water		
Concrete(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Tilt(s)			Unvegetated mid channel bar(s)		
Low(s)			Vegetated mid channel bar(s)		
High(s)			Mixers introduced		
Wide(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

predominant flow sequence (select up to three features):

1996 RIVER HABITAT SURVEY DIMENSIONS AND MEASUREMENTS

LEFT BANK	Banktop width (m)	9.50	RIGHT BANK		
Banktop height (m)	1.10	Water width (m)	7.50	Banktop height (m)	0.60
Embankment height (m)	—	Water depth (m)	0.25	Embankment height (m)	—

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

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

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

Number of features

None Number of Culverts = 2 Weirs = 2 Outfalls = 0 Fords = 0
 Footbridges = 1 Other = 0

Is water impounded by weir(s)? No Yes <33% of site >33% of site

MANAGEMENT OF SPECIAL INTERESTS

None Dredging Moving Weed-cutting
 Enhancement Other? State: _____

OTHER FEATURES OF SPECIAL INTEREST

None
 Weir(s) > 5m high Artificial open water Bog Other (state) _____
 Bridge/Side channel Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Pile Flash

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

NAME OF GLANT HOLLOW HIMALAYAN BELM JAPANESE KNOTWEED OTHER: Nettle Rhododendron (tick)

Major impacts: bankfill - clipping - litter - sewage - pollution - drought - obstruction - silt - dam - road - rd - industry - housing - mining - quarrying - overtopping - infestation - habitat management - silted - other? =

Land Management: set-back - buffer strip - bankfill - woodchuck land - partition - MoD - other? =

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

Other significant observations:

ALDELS (tick appropriate box(es))

Address: None Present Extensive Disused Address: None Present Extensive

A BACKGROUND MAP-BASED INFORMATION

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

B FIELD SURVEY DETAILS

Reference network site number: 2072
 Mid-site grid reference of network site if differs from designated location:
 Grid Reference: N241357 River: R. S. ...
 Date: 2/5/1996 Time: 11:50 Surveyor name: J.S.P. Accreditation code:
 Adverse conditions affecting survey? No Yes If yes, state:
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph, general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

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

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

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

Riffles: 5 Unvegetated point bars: 2
 Pools: 3 Vegetated point bars: 1

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

TALLY (use 0/1 for riffles) Profits: 11 Unveg. side bars: 1 Veg. point bars: 1

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

Spot check 1 is upstream downstream

LEFT BANK	1	2	3	4	5	6	7	8	9	10
Material (M) NO, CO, CL, SL, PL, CL, SP, M, G, B, R, S, V	B	S	B	S	B	S	B	S	B	S
Bank modification(s) (MC) NO, AS, B, P, C, M, J, N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (BF) NO, B, C, S, P, V, S, V, S	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL	1	2	3	4	5	6	7	8	9	10
Channel substrate (CS) NO, B, CO, CL, SP, M, G, B, R, S, V	B	S	B	S	B	S	B	S	B	S
Substrate shape (SS) FL, OV, EL, D, CU, PO, R, O, M, ...	-	-	-	-	-	-	-	-	-	-
Flow type (FT) FL, UN, UN, FL, UN, FL, UN, FL, UN	FL	UN	UN	FL	UN	UN	FL	UN	UN	FL
Channel modification(s) (MC) NO, CO, CL, SP, M, G, B, R, S, V	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (CF) NO, B, C, S, P, V, S, V, S	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	1	2	3	4	5	6	7	8	9	10
Material (M) NO, CO, CL, SL, PL, CL, SP, M, G, B, R, S, V	B	S	B	S	B	S	B	S	B	S
Bank modification(s) (MC) NO, AS, B, P, C, M, J, N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (BF) NO, B, C, S, P, V, S, V, S	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

Land use: choose one from RL, CL, OL, ML, SC, TH, RP, AG, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	OL	PL	RL	SC	RR	PP	CC	SC
LEFT BANK-TOP (structure within 1m) (BASC)	C	C	C	C	S	S	S	S	S
LEFT BANK FACE (structure) (BASC)	C	C	C	C	S	S	S	S	S
RIGHT BANK FACE (structure) (BASC)	C	C	C	C	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) (BASC)	C	C	C	C	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	OL	PL	RL	SC	RR	PP	CC	SC

G CHANNEL VEGETATION (IF 25% OR MORE OF THE CHANNEL BED IS COVERED BY VEGETATION)

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

SITE NO. 2072

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

NATURAL/MODIFIED

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe	E	B	Reinforced - whole bank		
Slope (>45°)	E	G	Reinforced - top only		
Grade			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embedded		
			Set-back embankments		

VEGETATION COLLECTORS AND ASSOCIATED FEATURES

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

SCOUR/DEPOSITION FEATURES

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (> 33%)
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Minor island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Point(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

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

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

LEFT BANK	Banktop width (m)	6.00	RIGHT BANK		
Banktop height (m)	0.50	Water width (m)	4.75	Banktop height (m)	0.00
Embankment height (m)	-	Water depth (m)	0.20	Embankment height (m)	-

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

Soil material at site is: consolidated (compact) unconsolidated (loose) Chalkstone

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

8.4 PHYSICAL FEATURES

None Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = 2 Roundbridges = 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? State:

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

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

F CHOKED CHANNEL (tick one box)

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

Q. NOTABLE RUSSIAN PLANT SPECIES (tick one box) (IF TWO LARGE LANDS OF OTHERS)

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? (Name Rhododendron)

R. OVERLOOK CHARACTERISTICS (tick appropriate box(es))

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

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? =

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

Other significant observations:

S ALDERS (tick appropriate box(es))

Alders? None Present Extensive Dissected Alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION

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

FIELD SURVEY DETAILS

Reference network site number: 7083
 Mid-site grid reference of network site if different from designated location:

Grid Reference: N798262 River: ABHAINA WA RIVER

Date: 31/5/1996 Time: 11.05 Surveyor name: J.S.P. Accreditation code: AF9

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

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

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

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

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee	<input type="checkbox"/> concave/bowl (if U-shaped glacial valley - odd 'U')
deep vee	<input type="checkbox"/> symmetrical floodplain
gorge	<input type="checkbox"/> asymmetrical floodplain

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

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

Riffles: 11 Unvegetated point bars: 7
 Pools: 10 Vegetated point bars: 1

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

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

Spot check 1st upstream	2	3	4	5	6	7	8	9	10	
LEFT BANK	TICK if functional feature									
Material	GA	SS	GA	SS	SS	GA	GA	PO	SS	SS
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SB	NO	SB	PB	NO	NO	BC	BC	SO
Channel	NEW - (indicate type of channel)									
Channel substrate	NV	CO	SP	SP	NV	SP	SP	SP	SP	SP
Substrate shape	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type	NP	SA	SM	RD	NO	RP	UW	NP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	TICK if functional feature									
Material	SS	SS	EA	SS	RE	SS	EA	SS	GA	SS
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	PB	EC	SB	EC	BC	SB	EC	PB	PB	EC

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

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

G CHANNEL VEGETATION TYPES

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

NO. 7083

1	Intensified woodland (IL)			Rough pasture (RP)			E	G
2	Open plantation (OP)			Improved/unimproved grass (IG)				
3	Orchard (OR)			Tilled land (TL)				
4	Moorland/heath (MH)	S	E	Wetland (eg bog, marsh, fen) (WL)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	ISG			Open water (OW)				
6	Other land vegetation (TL)			Suburban/urban development (SU)				

1	Natural/unmodified	L	R	Artificial/modified	L	R
1	Unreinforced	2	5	Reinforced		
2	Reinforced - whole bank					
3	Reinforced - top only					
4	Reinforced - toe only					
5	Artificial two-stage					
6	Poached					
7	Embanked					
8	Set-back embankments					

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

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

LEFT BANK	Banktop width (m)	10.0	RIGHT BANK		
Banktop height (m)	1.10	Water width (m)	7.0	Banktop height (m)	1.00
Embanked height (m)		Water depth (m)	0.10	Embanked height (m)	

If bankline lower than banktop break in slope, indicate: height (m) = width (m) =
 Bed material at site is: consolidated (compact) unconsolidated (loose) unknown
 Location of measurement is: riffle run or glide other (tick one box)

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

None Dredging Mowing Weed cutting
 Enhancement Other? State:

None Features of SPECIAL INTEREST (tick appropriate box(es))
 None Weirfalls > 5m high Artificial open water Bog Other (state)
 Bedrock/silt channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Fca Flush

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

None Great Hogweed Himalayan Balsam Agrostis Kanarwood Other? Name Rhododendron fructus

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry -
 housing - mining - quarrying - overflooding - afforestation - fabrica management - silting - other? =
 Land Management: set aside - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - longfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly
 Other significant observations: EXTENSIVE SALMON SPAWNING EVIDENCE OF O-SI RIVER CUNNINGS

S ALDERS (tick appropriate box(es))
 Alder? None Present Extensive Discarded Alder? None Present Extensive

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

A. BACKGROUND MAP-BASED INFORMATION

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

B. FIELD SURVEY DETAILS

Reference network site number: 2084
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 1:1 90252 River: P. VOLMSDALE
 Date 21.5.1996 Time: 16.00 Surveyor name: J.S.P. Accreditation code: P.9
 Adverse conditions affecting survey? No Yes If yes, state:
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

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

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

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

Ripples — Unvegetated point bars —
 Pools — Vegetated point bars —

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
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1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

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

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

Spot check 1 is upstream of transect	1	2	3	4	5	6	7	8	9	10
LEFT BANK (TICK if functional feature)										
Material (M) M1 M2 M3 M4 M5 M6 M7 M8 M9 M10	B0	C0	B0	C0	B0	C0	B0	C0	B0	C0
Bank modification(s) (M) M1 M2 M3 M4 M5 M6 M7 M8 M9 M10	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Bank feature(s) (M) M1 M2 M3 M4 M5 M6 M7 M8 M9 M10	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
CHANNEL (NEW) (TICK if functional feature)										
Channel substrate (M) M1 M2 M3 M4 M5 M6 M7 M8 M9 M10	B0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Substrate shape (F) F1 F2 F3 F4 F5 F6 F7 F8 F9 F10	—	—	—	—	—	—	—	—	—	—
Flow type (F) F1 F2 F3 F4 F5 F6 F7 F8 F9 F10	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0
Channel modification(s) (M) M1 M2 M3 M4 M5 M6 M7 M8 M9 M10	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Channel feature(s) (M) M1 M2 M3 M4 M5 M6 M7 M8 M9 M10	R0	R0	R0	R0	R0	R0	R0	R0	R0	R0
RIGHT BANK (TICK if functional feature)										
Material (M) M1 M2 M3 M4 M5 M6 M7 M8 M9 M10	B0	B0	B0	B0	B0	B0	B0	B0	B0	B0
Bank modification(s) (M) M1 M2 M3 M4 M5 M6 M7 M8 M9 M10	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Bank feature(s) (M) M1 M2 M3 M4 M5 M6 M7 M8 M9 M10	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)										
Land use: choose one from M, C, O, N, S, T, R, P, K, L, W, O, U, S										
LAND USE WITHIN 5m OF BANKTOP (L)	MH	RP	RP	RP	RP	MH	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) BASIC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BASIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BASIC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BASIC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH
G. CHANNEL VEGETATION TYPES (to be assessed over a 10m wide transect)										
NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent sedge/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submersive fine/linear-leaved										
Filamentous algae										

SITE NO. 2084

	L	R		L	R
Broadleaved woodland (BL)		<input checked="" type="checkbox"/>	Enough pasture (EP)		<input checked="" type="checkbox"/>
Coniferous plantation (CP)		<input checked="" type="checkbox"/>	Improved/semi-improved grass (IG)		<input checked="" type="checkbox"/>
Ochard (OR)			Tilled land (TL)		
Mountain/heath (MH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Suburban/urban development (SU)		

II. CHANNEL FORMS

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

III. CHARACTER OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2.2%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

IV. CHARACTER OF CHANNELS

	None	Present E (2.2%)
Waterfall(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Curved(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glade(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Marginal dead-water Exposed bedrock Exposed boulders Unvegetated mid channel bar(s) Vegetated mid channel bar(s) Mixture island(s) Unvegetated side bar(s) Vegetated side bar(s)

Indicate predominant flow sequence (select up to three features). NONE PREDOMINANT FLOW SEQUENCE INDICATED BY NOT CHECKING ANY BOX

1996 RIVER HABITAT SURVEY: DIMENSIONS AND DYNAMIC FORINGS

I. CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	24.0	RIGHT BANK
Banktop height (m)	1.20	Water width (m)	22.0
Embedded height (m)	—	Water depth (m)	0.70
		Banktop height (m)	1.20

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

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

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

II. CHANNEL VEGETATION

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

III. EVIDENCE OF RECENT MAINTENANCE (tick appropriate box(es))

None Dredging Moving Wood cutting
 Enhancement Other? State: —

IV. EVIDENCE OF SPECIAL INTERESTS (tick appropriate box(es))

None Waterfalls > 5m high Artificial open water Bog Other (state):
 Brided/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Lesty debris Foss Flush

V. CHOKED CHANNELS

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

VI. CHANNEL RUNWAY

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

VII. MAJOR IMPACTS

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

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

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

Other significant observations: SECTION OF WOODEN SLATED PLAN WITH 50m OF LEFT BANK TOP - TO BE USED ACCESS FOR CHANNEL ANALYSIS

VIII. ALDERS (tick appropriate box(es))

Alders: None Present Extensive Decayed Alders: None Present Extensive

A BACKGROUND MAP-BASED INFORMATION

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

B FIELD SURVEY DETAILS

Reference network site number: 2094
 Mid-site grid reference of network site if different from designated location:

Grid Reference: NIC246194 River: LOA1.4
 Date: 19.5.1996 Time: Surveyor name: T.C.L. Accreditation code: P29
 Adverse conditions affecting survey? No Yes If yes, state:
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

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

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:
 NUMBER OF RIFFLES, POOLS AND POINT BARS (Indicate total number):
 Riffles: 1 Unvegetated point bars: 1
 Pools: 3 Vegetated point bars: 1

NO COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 4BB

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

Spot check 1 = upstream downstream

LEFT BANK	TICK if functional feature	1	2	3	4	5	6	7	8	9	10
Material (M) M0-M9	BA	DA	EA	FA	GA	HA	IA	JA	KA	LA	MA
Bank modification (B)	N0	N1	N2	N3	N4	N5	N6	N7	N8	N9	N0
Bank feature (F)	EC	VS	NO	LO	NO	NO	EC	EC	NO	EC	NO
Channel substrate (S)	B0	B1	B2	B3	B4	B5	B6	B7	B8	B9	B0
Substrate shape (FL, OL, EL, PL, CL, PL, PL, PL, PL)	OV	OV	OV	OV	OV	OV	OV	OV	OV	OV	OV
Channel modification (M)	N0	N1	N2	N3	N4	N5	N6	N7	N8	N9	N0
Channel feature (F)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	TICK if functional feature	1	2	3	4	5	6	7	8	9	10
Material (M) M0-M9	BA	DA	EA	FA	GA	HA	IA	JA	KA	LA	MA
Bank modification (B)	N0	N1	N2	N3	N4	N5	N6	N7	N8	N9	N0
Bank feature (F)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

Land use choose one from: B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z

LAND USE WITHIN 5m OF BANKTOP (L)	R	P	P	R	M	R	P	P	R	P	N	H	A	H
LEFT BANK TOP (structure within 1m) BASIC	S	S	S	S	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BASIC	B	B	B	B	B	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure) BASIC	B	B	B	B	B	B	B	B	B	B	B	B	B	B
RIGHT BANK TOP (structure within 1m) BASIC	S	S	S	S	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	M	R	P	P	R	M	R	P	P	R	M	R	P	P

F CHANNEL VEGETATION TYPES

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

TE NO. 2094

unimproved woodland (UL)			Rough pasture (RP)				
silvicultural plantation (CP)			improved/semi-improved grass (IG)				
orchard (OR)			Tilled land (TL)				
Meadow/heath (MO)			Wetland (or low marsh, low) (WL)				
marsh (MC)			Open water (OW)				
Herb/semi-vegetation (TH)			Suburban/urban development (SU)				

ARTIFICIAL FEATURES

Natural/unmodified	L	R	Artificial/modified	L	R
Soil undercut			Reinforced		
Soil + toe			Reinforced - whole bank		
p (>45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Spillway			Artificial one-stage		
			Pierced		
			Embanked		
			Set-back embankment		

PERCENTAGE OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥ 1%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Pollen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

Waterfall(s)	None	Present E	Marginal dead-water	None	Present E (≥ 1%)
Cascade(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marshy island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Older(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

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

CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	<u>1.00</u>	RIGHT BANK	Banktop width (m)	<u>1.00</u>
Banktop height (m)	<u>1.00</u>	Water width (m)	<u>0.75</u>	Banktop height (m)	<u>1.00</u>
Embankment height (m)	<u>0.35</u>	Water depth (m)	<u>0.35</u>	Embankment height (m)	<u>0.35</u>

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

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

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

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

None Dredging Mowing Weed cutting
 Enhancement Other? State:

RESULTS OF SPECIAL INTEREST (tick appropriate box(es))

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

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

GENERAL HAZARD PLAN RECORD (tick appropriate box(es))

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Note Rhododendron (structure)

MAJOR IMPACTS

landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - bombing - mining - quarrying - overtopping - afforestation - fisheries management - siltation - other? =

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? =

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

Other significant observations:

ALDERS (tick appropriate box(es))

Alders? None Present Extensive Decayed Alders? None Present Extensive

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

A BACKGROUND MAP-BASED INFORMATION

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

B FIELD SURVEY DETAILS

Reference network site number: 2695
 Mid-site grid reference of network site if different from designated location:
 Grid Reference: N1C38E167 River: CHUMLEY
 Date: 1/5/1996 Time: 11:00 Surveyor name: [blank] Accreditation code: [blank]
 Adverse conditions affecting survey? No Yes If yes, state:
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

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

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

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

Riffles 1 Unvegetated point bars 1
 Pools 1 Vegetated point bars 1

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

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

TABLE (see IFE for details) Ponds Unveg. side bars Veg. side bars

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

Spot check 100m upstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICE if functional fence										
Material <small>(M: BR, CO, CL, CR, CS, CP, CU, CV, CW, CX, CY, CZ, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)</small>	CA	CM	EN	EO	EO	EO	EO	EO	EO	EO
Bank modification(s) <small>(M: M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <small>(M: M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL NEW <small>(M: M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)</small>										
Channel substrate <small>(M: M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)</small>	BO	BO	BO	BO	BO	BO	BO	BO	BO	BO
Substrate shape <small>(M: M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)</small>	OV	OV	OV	OV	OV	OV	OV	OV	OV	OV
Flow type <small>(M: M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)</small>	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s) <small>(M: M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <small>(M: M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TICE if functional fence										
Material <small>(M: BR, CO, CL, CR, CS, CP, CU, CV, CW, CX, CY, CZ, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)</small>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <small>(M: M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <small>(M: M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

Land use: choose one from (M: M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)

LAND USE WITHIN 5m OF BANKTOP (L)	LP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK TOP (structure within 1m) <small>(M: M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)</small>	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) <small>(M: M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)</small>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) <small>(M: M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)</small>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) <small>(M: M1, M2, M3, M4, M5, M6, M7, M8, M9, M10)</small>	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	LP	RP	RP	RP	RP	RP	RP	RP	RP	RP

G CHANNEL VEGETATION TYPES (10m wide transect, 2% ± 1% error) of tick (present) 500m "catch-all"

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

SITE NO. 2095 HABITAT SURVEY 300m SW

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

ARTIFICIAL FEATURES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undisturbed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank		
Slope (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Grate	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage		
			Pneched		
			Embarked		
			Set-back embankments		

K SKIRMES OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (± 11%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

L VEGETATION CHARACTERISTICS (Circle appropriate features)

Waterfall(s)	None <input type="checkbox"/>	Present E <input type="checkbox"/>	Marginal dead-water	None <input type="checkbox"/>	Present E (± 11%) <input type="checkbox"/>
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

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

1996 RIVER HABITAT SURVEY: GORGE, STOKES AND INFLUENCES Page 3 of 4

H CHANNEL DIMENSIONS (10m wide transect, 2% ± 1% error) of tick (present) 500m "catch-all"

LEFT BANK	Banktop width (m)	<u>22.0</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>2.7</u>	Banktop height (m)	<u>1.50</u>
Embanked height (m)	Water depth (m)	<u>0.30</u>	Embanked height (m)	

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

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

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

I BANKTOP VEGETATION

None Number of Culverts = 1 Weirs = Outfalls = Forts =
 Footbridges = 1 Roundbridges = Other =

Is water impounded by weir/dam? No Yes, < 11% of site > 11% of site

N EVIDENCE OF RIBBON MANAGEMENT (tick appropriate box(es))

None Dredging Mowing Weed-cutting
 Enhancement Other? Static

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

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

P CHOKED CHANNEL (tick one box)

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

Q NOTABLE NUISANCE PLANT SPECIES (tick appropriate box(es)) IFE note LARGE STANDS of others eg

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

R OVERALL CHARACTERISTICS (Circle appropriate features)

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

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

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

Other significant observations:

S ALDERS (tick appropriate box(es))

Alders: None Present Extensive Disturbed Alders: None Present Extensive

BACKGROUND MAP-BASED INFORMATION

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

FIELD SURVEY DETAILS

Reference network site number: 7096
 Mid-site grid reference of network site if different from designated location:

Grid Reference: NCL 2105 River: ...

Date: 2.15.1996 Time: 12.00 Surveyor name: Accreditation code:

Adverse conditions affecting survey? No Yes If yes, state

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

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

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

PREDOMINANT VALLEY FORM (tick one box only)

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

deep vee symmetrical floodplain

gorge asymmetrical floodplain

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

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

Riffles	Unvegetated point bars
Pools	Vegetated point bars

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

NO. 7096 RIVER HABITAT SURVEY

	L	R		L	R
B - natural woodland (BL)			Rough pasture (RP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
C - row plantation (CP)			Improved/local improved grass (IG)		
O - 1 (OR)			Tiled land (TL)		
Moorland/heath (MH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sc - 1 (SC)			Open water (OW)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T - 1 (T)			Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Natural/unmodified	L	R	Artificial/modified	L	R
Ve - 1 (V)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessional		
Ve - 2 (V)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sh - 1 (S)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gr - 1 (G)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Co - 1 (C)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

EXTENT OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2.33%)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adjacent change	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Local continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

EXTENT OF VEGETATION AND ASSOCIATED FEATURES

Vegetation	None	Present E (2.33%)	Associated Features	None	Present E (2.33%)
Herb(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Juncus(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
we(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
sd(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Matrix island(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
side(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

predominant flow sequence (select up to three features).

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

Spot check 1 is upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10	
LEFT BANK	TICK if functional fence										
Material	PE	BO	BE	BO	BE	PE	BE	PE	BO	BO	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
CHANNEL	TICK if functional fence										
Channel substrate	BE	BE	BE	BO	BO	BE	BE	BE	BE	BO	
Substrate shape	FL	OV	EL	SP	CU	PD	HE	Other	---	---	
Flow type	CF	LANP	CF	BO	CF	CF	CF	CF	CF	CF	
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Channel feature(s)	RO	RO	NO	RO	RO	NO	RO	RO	RO	RO	
RIGHT BANK	TICK if functional fence										
Material	BO	BE	BE	BO	BO	BE	BE	BE	BE	BO	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	

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

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

CHANNEL VEGETATION TYPES (tick appropriate box(es))

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

RIVER HABITAT SURVEY DIMENSIONS AND INFLUENCES

LEFT BANK	Banktop width (m)	4.20	RIGHT BANK	Banktop width (m)	0.55
Banktop height (m)	0.55	Water width (m)	2.90	Banktop height (m)	0.55
Embanked height (m)		Water depth (m)	0.10	Embanked height (m)	

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

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

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

STRUCTURAL FEATURES

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

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

None Dredging Mowing Wood-cutting
 Enhancement Other? Stags

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

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

CHOKED CHANNEL (tick one box)

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

NOTABLE RUDDANCE PLANT SPECIES (tick appropriate box(es))

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

GOVERNANCE AND INFLUENCES

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siting - other? =
 Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin (heron - dragonfly/damselfly)
 Other significant observations: LOVELY

ALDERS (tick appropriate box(es))

Alders' None Present Extensive Disposed Alders' None Present Extensive

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

A. BACKGROUND MAP-BASED INFORMATION

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

B. FIELD SURVEY DETAILS

Reference network site number: 2097
 Mid-site grid reference of network site if different from designated location:
 Grid Reference: N575132 River: TIER 7
 Date: 17.5.1996 Time: 15.55 Surveyor name: J.C. Accreditation code:
 Adverse conditions affecting survey? No Yes If yes, state:
 Bod of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box)

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

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

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

Ripples: 14 Unvegetated point bars: 1
 Pools: 1 Vegetated point bars: 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.N. DAWSON, IFE, RIVER LABORATORY, EAST STOCK, WARRERAM, 5810 488

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

TALLY (see IFE for details) Pools: 1111 Vegetated point bars: 1

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

Spot check 1 - upstream downstream

LEFT BANK	TICK if functional focus	1	2	3	4	5	6	7	8	9	10
Material (M) NO CO GS LA PL CL CC SP W CL BR BR SW											
Bank modification(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)		VS	VS	VS	VS	VS	VS	VS	VS	VS	VS
CHANNEL - NEW (not in previous survey)											
Channel substrate (S) NY NE NO CO SP M S D CL CL AR		BO	BO	CO	BO	BO	CO	CO	BO	BO	SP
Substrate shape: FL OF GL SF CU FO BR DM SW		-	PO	PO	PO	PO	PO	PO	PO	PO	PO
Pool type: FL BR SW NY NE NO CO SP M S D CL CL AR		SM	SM	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)		VS	VS	VS	VS	VS	VS	VS	VS	VS	VS
RIGHT BANK	TICK if functional focus										
Material (M) NO CO GS LA PL CL CC SP W CL BR BR SW											
Bank modification(s)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)		VS	VS	VS	VS	VS	VS	VS	VS	VS	VS

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

Land use: choose one from BL, CL, CR, DR, HR, IR, LR, KR, PL, RL, WL, DL, SL

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	WL
LEFT BANK-TOP (structure within 1m) BANS	S	S	S	S	U	S	S	S	S	S
LEFT BANK FACE (structure) BANS	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BANS	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BANS	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

G. CHANNEL VEGETATION TYPES (tick one box)

NONE / PLANT GENERA - list first 5

Bryophytes/algae														
Emergent broad-leaved herbs														
Emergent reeds/edges/rushes														
Floating-leaved (rooted)														
Free-floating														
Amphibious														
Submerged broad-leaved														
Submerged fine-leaved														
Filamentous algae														

SITE NO. 2097

	L	R	L	R
Broadleaved woodland (BL)				
Coniferous plantation (CP)				
Orchard (OR)				
Meadow/heath (MH)				
Scrub (SC)				
Tall herb/ reed vegetation (TH)				
Natural/unmodified				
Vertical/undercut				
Vertical + toe				
Steep (>45°)				
Grade				
Composite				
Artificial/modified				
Reinforced - whole bank				
Reinforced - top only				
Reinforced - toe only				
Artificial two-stage				
Poached				
Embedded				
Set-back embankment				

TREES (tick one box per bank)

	Left	Right	None	Present E (>11%)
None				
Isolated/scattered				
Regularly spaced, single				
Occasional clumps				
Stem continuous				
Continuous				

ASSOCIATED FEATURES (tick one box per feature)

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

WATERFALLS (tick one box per bank)

	None	Present E (>11%)
Waterfall(s)		
Caecid(s)		
Rapid(s)		
Riffle(s)		
Roof(s)		
Bank(s)		
Slide(s)		
Pool(s)		

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

1996 RIVER HABITAT SURVEY: DIMENSIONS AND DIMENSIONS

LEFT BANK	Banktop width (m)	31.00	RIGHT BANK
Banktop height (m)	Water width (m)	26.00	Banktop height (m)
Embankment height (m)	Water depth (m)	0.12	Embankment height (m)

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

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

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

STATISTICAL DATA

None Number of: Odverts = Water = Outfalls = Fords =
 Footbridges = Roadbridges =
 Is water impounded by weir/dam? No Yes, <11% of site >11% of site

RECORDS OF RECENT MANAGEMENT

None Dredging Mowing Hand-cutting
 Enhancement Other? State:

FACTORS OF SPECIAL INTEREST

None Artificial open water Bog Other (state):
 Artificial side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Fens Flush

CHOKED CHANNEL

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

NOTABLE PLANT SPECIES

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

MAJOR IMPACTS: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? =

LAND MANAGEMENT: set-back - buffer strip - bedload - abandoned land - parkland - MoD - other? =

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

Other significant observations:

ALDERS (tick appropriate box(es))

Alders? None Present Extensive Dominant Alders? None Present Extensive

A. BACKGROUND MAP-BASED INFORMATION

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

B. FIELD SURVEY DETAILS

Reference network site number: 2098
 Mid-site grid reference of network site if different from designated location: _____

Grid Reference: 1427157 River: V. sordida
 Date: 11/1996 Time: 9:30 Surveyor name: [Signature] Accreditation code: [Signature]

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

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

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

C. PREDOMINANT VALLEY FORM (tick one box only)

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

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

D. NUMBER OF RIFLES, POOLS AND POINT BARS

Rifles: 1 Uvegetated point bars: 2
 Pools: 5 Vegetated point bars: 1

END COMPLETED FORMS WEEKLY plus all water samples and exposure claims TO
 B. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WARRNAM, 3170 488

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

Spot check 1 is upstream downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (TICK if functional focus)										
Material (W, H, S, G, C, F, P, L, O, D, B, M, J, N, Y)	SS	SB	BF	BO	BS	BS	BS	BS	BS	BS
Bank modification(s) (M, N, O, S, H, P, C, B, M, J, N, Y)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (W, H, S, G, C, F, P, L, O, D, B, M, J, N, Y)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL (TICK if functional focus)										
Channel substrate (W, H, S, G, C, F, P, L, O, D, B, M, J, N, Y)	BS	CO	BO	BO	BO	BS	BO	BO	BO	BO
Substrate shape (F, O, V, E, L, S, P, C, U, P, O, B, O, D, O, M, J, N, Y)	—	—	—	—	—	—	—	—	—	—
Flow type (F, O, V, E, L, S, P, C, U, P, O, B, O, D, O, M, J, N, Y)	—	—	—	—	—	—	—	—	—	—
Channel modification(s) (M, N, O, S, H, P, C, B, M, J, N, Y)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (W, H, S, G, C, F, P, L, O, D, B, M, J, N, Y)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (TICK if functional focus)										
Material (W, H, S, G, C, F, P, L, O, D, B, M, J, N, Y)	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
Bank modification(s) (M, N, O, S, H, P, C, B, M, J, N, Y)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (W, H, S, G, C, F, P, L, O, D, B, M, J, N, Y)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

Land use: choose one from (L, O, R, M, H, S, T, N, P, G, L, M, O, W, S)

LAND USE WITHIN 5m OF BANKTOP (L)	MH	M	MH	RP	MH	ML	RP	RP	RP
LEFT BANK TOP (structure within 1m) BANC	S	B	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BANC	S	B	S	S	S	B	S	S	S
RIGHT BANK FACE (structure) BANC	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BANC	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	MH	RP	RP	MH	RP	RP	MH	RP

G. CHANNEL VEGETATION (tick one box)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent broad-leaved herbs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emergent reeds/sedges/rushes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Floating-leaved (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amblyophytes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ITE NO. 2098

ruderalized woodland (RL)			Rough pasture (RP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
uniform grassland (CG)			improved/well-improved grass (IG)	<input type="checkbox"/>	<input type="checkbox"/>
orchard (OR)			Tilled land (TL)	<input type="checkbox"/>	<input type="checkbox"/>
Moorland/heath (MH)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
rub (RC)			Open water (OW)	<input type="checkbox"/>	<input type="checkbox"/>
S herbs' root vegetation (TH)			Suburban/urban development (SU)	<input type="checkbox"/>	<input type="checkbox"/>

BANK TOPOGRAPHY

Natural/unmodified	L	R	Artificial/modified	L	R
riparian/wetland	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input type="checkbox"/>	<input type="checkbox"/>
riparian + tree	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input type="checkbox"/>
rip (>45°)	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Grade	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
steep	<input type="checkbox"/>	<input type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
			Poached	<input type="checkbox"/>	<input type="checkbox"/>
			Embanked	<input type="checkbox"/>	<input type="checkbox"/>
			Set-back embankments	<input type="checkbox"/>	<input type="checkbox"/>

TRIBES (tick one box per bank)

None	Left	Right	Shading of channel	None	Present E (≥ 11%)
Isolated/scattered	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Pulver trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (≥ 11%)
Cascator(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Uvegetated mid channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature stand(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Oldie(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Uvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate predominant flow sequence (select up to three features): CR (100) - LUN

CHANNEL DIMENSIONS (ON STANDING WATER)

LEFT BANK	Banktop width (m)	<u>11.75</u>	RIGHT BANK	Banktop width (m)	<u>1.00</u>
Banktop height (m)	<u>1.20</u>	Water width (m)	<u>1.00</u>	Banktop height (m)	<u>1.00</u>
Embankment height (m)	<u>—</u>	Water depth (m)	<u>0.15</u>	Embankment height (m)	<u>—</u>

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

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

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

PHYSICAL ATTRIBUTES

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

EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weeding
 Enhancement Other? State: _____

VEGETATION ATTRIBUTES

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

CHANNEL CHANNEL

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

NOTABLE HUMAN POLICE

None Great Haywood Himalayan Balsam Japanese Knotweed Other? Name: Rhododendron brachylobos

MAJOR IMPACTS

Inundation - slipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - siltation - other? = _____

Land Management: set-back - buffer strip - bedload - abandoned land - parkland - MoD - other? = _____

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

Other significant observations: _____

ALTERS (tick appropriate box(es))

Alters' Name Present Extensive Disused Alters' Name None Present Extensive

1996 RIVER HABITAT SURVEY: USE THIS FORM FOR PLANT GENERA AND FUNCTION Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

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

B. FIELD SURVEY DETAILS

Reference network site number: 2097
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 1075 2075 River: BERRA
 Date 2/15/1996 Time 10:25 Surveyor name JS (1990) accreditation code: P 1

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

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

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

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

C. DOMINANT VALLEY FORM (tick one box only)

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

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

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

Rifles 5 Unvegetated point bars --
 Pools 11 Vegetated point bars --

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAKERAN, 8670 688

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

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

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

Spot check 1 - upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICE if functional fence										
Material <input checked="" type="checkbox"/> M, <input checked="" type="checkbox"/> B, <input checked="" type="checkbox"/> C, <input checked="" type="checkbox"/> S, <input checked="" type="checkbox"/> F, <input checked="" type="checkbox"/> L, <input checked="" type="checkbox"/> G, <input checked="" type="checkbox"/> P, <input checked="" type="checkbox"/> R, <input checked="" type="checkbox"/> D, <input checked="" type="checkbox"/> E, <input checked="" type="checkbox"/> N	B0	B0	P0	P0	P0	P0	P0	P0	P0	P0
Bank modification(s) <input checked="" type="checkbox"/> M, <input checked="" type="checkbox"/> B, <input checked="" type="checkbox"/> C, <input checked="" type="checkbox"/> S, <input checked="" type="checkbox"/> F, <input checked="" type="checkbox"/> L, <input checked="" type="checkbox"/> G, <input checked="" type="checkbox"/> P, <input checked="" type="checkbox"/> R, <input checked="" type="checkbox"/> D, <input checked="" type="checkbox"/> E, <input checked="" type="checkbox"/> N	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Bank feature(s) <input checked="" type="checkbox"/> M, <input checked="" type="checkbox"/> B, <input checked="" type="checkbox"/> C, <input checked="" type="checkbox"/> S, <input checked="" type="checkbox"/> F, <input checked="" type="checkbox"/> L, <input checked="" type="checkbox"/> G, <input checked="" type="checkbox"/> P, <input checked="" type="checkbox"/> R, <input checked="" type="checkbox"/> D, <input checked="" type="checkbox"/> E, <input checked="" type="checkbox"/> N	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
CHANNEL TICE if functional fence										
Channel substrate <input checked="" type="checkbox"/> M, <input checked="" type="checkbox"/> B, <input checked="" type="checkbox"/> C, <input checked="" type="checkbox"/> S, <input checked="" type="checkbox"/> F, <input checked="" type="checkbox"/> L, <input checked="" type="checkbox"/> G, <input checked="" type="checkbox"/> P, <input checked="" type="checkbox"/> R, <input checked="" type="checkbox"/> D, <input checked="" type="checkbox"/> E, <input checked="" type="checkbox"/> N	B0	B0	L0	B0	B0	B0	B0	B0	B0	B0
Substrate shape <input checked="" type="checkbox"/> F, <input checked="" type="checkbox"/> O, <input checked="" type="checkbox"/> E, <input checked="" type="checkbox"/> C, <input checked="" type="checkbox"/> P, <input checked="" type="checkbox"/> R, <input checked="" type="checkbox"/> D, <input checked="" type="checkbox"/> E, <input checked="" type="checkbox"/> N	P0	-	-	-	-	-	-	-	-	-
Flow type <input checked="" type="checkbox"/> F, <input checked="" type="checkbox"/> O, <input checked="" type="checkbox"/> E, <input checked="" type="checkbox"/> C, <input checked="" type="checkbox"/> P, <input checked="" type="checkbox"/> R, <input checked="" type="checkbox"/> D, <input checked="" type="checkbox"/> E, <input checked="" type="checkbox"/> N	R0	C0	F0	C0	C0	N0	C0	C0	C0	C0
Channel modification(s) <input checked="" type="checkbox"/> M, <input checked="" type="checkbox"/> B, <input checked="" type="checkbox"/> C, <input checked="" type="checkbox"/> S, <input checked="" type="checkbox"/> F, <input checked="" type="checkbox"/> L, <input checked="" type="checkbox"/> G, <input checked="" type="checkbox"/> P, <input checked="" type="checkbox"/> R, <input checked="" type="checkbox"/> D, <input checked="" type="checkbox"/> E, <input checked="" type="checkbox"/> N	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Channel feature(s) <input checked="" type="checkbox"/> M, <input checked="" type="checkbox"/> B, <input checked="" type="checkbox"/> C, <input checked="" type="checkbox"/> S, <input checked="" type="checkbox"/> F, <input checked="" type="checkbox"/> L, <input checked="" type="checkbox"/> G, <input checked="" type="checkbox"/> P, <input checked="" type="checkbox"/> R, <input checked="" type="checkbox"/> D, <input checked="" type="checkbox"/> E, <input checked="" type="checkbox"/> N	N0	R0	R0	R0	R0	R0	R0	R0	R0	R0
RIGHT BANK TICE if functional fence										
Material <input checked="" type="checkbox"/> M, <input checked="" type="checkbox"/> B, <input checked="" type="checkbox"/> C, <input checked="" type="checkbox"/> S, <input checked="" type="checkbox"/> F, <input checked="" type="checkbox"/> L, <input checked="" type="checkbox"/> G, <input checked="" type="checkbox"/> P, <input checked="" type="checkbox"/> R, <input checked="" type="checkbox"/> D, <input checked="" type="checkbox"/> E, <input checked="" type="checkbox"/> N	SS	B0	P0	BE	B0	B0	B0	B0	B0	B0
Bank modification(s) <input checked="" type="checkbox"/> M, <input checked="" type="checkbox"/> B, <input checked="" type="checkbox"/> C, <input checked="" type="checkbox"/> S, <input checked="" type="checkbox"/> F, <input checked="" type="checkbox"/> L, <input checked="" type="checkbox"/> G, <input checked="" type="checkbox"/> P, <input checked="" type="checkbox"/> R, <input checked="" type="checkbox"/> D, <input checked="" type="checkbox"/> E, <input checked="" type="checkbox"/> N	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Bank feature(s) <input checked="" type="checkbox"/> M, <input checked="" type="checkbox"/> B, <input checked="" type="checkbox"/> C, <input checked="" type="checkbox"/> S, <input checked="" type="checkbox"/> F, <input checked="" type="checkbox"/> L, <input checked="" type="checkbox"/> G, <input checked="" type="checkbox"/> P, <input checked="" type="checkbox"/> R, <input checked="" type="checkbox"/> D, <input checked="" type="checkbox"/> E, <input checked="" type="checkbox"/> N	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0

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

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

LAND USE WITHIN 5m OF BANKTOP (L)	C0	C0	C0	C0	C0	C0	C0	C0	C0	C0
LEFT BANK-TOP (structure within 1m) BUSE	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BUSE	B	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure) BUSE	S	B	B	B	B	B	B	B	B	B
RIGHT BANK-TOP (structure within 1m) BUSE	S	S	B	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	C0	C0	C0	C0	C0	C0	C0	C0	C0	C0

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

NONE / PLANT GENERA - list first 5

Dryophytes/dichotoms	E	E	✓	E	E	✓	✓	✓	✓	E
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										✓
Floating-leaved (rooted)										✓
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae		✓	✓		✓	✓	✓	✓	✓	✓

SITE NO. 2097

VEGETATION TYPES AND ASSOCIATED FEATURES

Woodland/mixed woodland (W)										
Coastal plantation (C)	✓	✓								
Orchard (O)										
Moorland/scrub (M)	✓	✓								
Scrub (S)										
Tall herb/ reed vegetation (T)										✓

CHANNEL VEGETATION

Natural/unmodified										
Vertical/undercut	✓	✓	✓	✓						
Vertical + toe										✓
Steep (>45°)										
Gentle										
Composite										

THRESH (tick one box per bank)

None	Left	Right	None	Percent E (2.11%)
Isolated/contoured				
Regularly spaced, single				
Occasional clumps				
Semi-continuous	✓	✓		
Continuous				

ASSOCIATED FEATURES (tick one box per feature)

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

WATERFALLS

Waterfall(s)	None	Percent E (2.11%)
Coastal(s)		
Rapid(s)		
Riffle(s)		
Ran(s)		
Boil(s)		
Slide(s)		
Pool(s)		

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

1996 RIVER HABITAT SURVEY: DIMENSIONS AND MEASUREMENTS

LEFT BANK	Banktop width (m)	2.50	RIGHT BANK	
Banktop height (m)	Water width (m)	2.00	Banktop height (m)	0.40
Embankment height (m)	Water depth (m)	0.15	Embankment height (m)	

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

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

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

VEGETATION DATA

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

EVIDENCE OF SILT/MANAGEMENT

None Dredging Mowing Wood-cutting
 Embankment Other? State: RR, P, S, F, E, L, G, P, R, D, E, N

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

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

CROSSLAND

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

VEGETATION STANDS

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

MAJOR IMPACTS

landfill - tipping - litter - sewage - pollution - dredging - abstraction - mill - dam - road - rail - industry -
 housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? =

Land Management: set-back - buffer strip - headland - stockpiled land - parkland - MGD - other? =

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

Other significant observations:

ALDERS (tick appropriate box(es))

Alders? None Present Extensive Diseased Alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION

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

FIELD SURVEY DETAILS

Reference network site number: **2100**

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

Grid Reference: **HC803110** River: **R. Breen**

Date: **1/5/1996** Time: **16:45** Surveyor name: **J.S.P.** Accreditation code: **PF9**

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

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

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

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

PREDOMINANT VALLEY FORM (tick one box only)

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

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

L. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles: **9** Unvegetated point bars: **4**
 Pools: **1** Vegetated point bars: **-**

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

TALLY (use this for - Riffles, Pools, Bars) Points Unveg. % veg. bars Veg. point bars

B. PHYSICAL ATTRIBUTES (to be assessed across channel width of 1m wide transects) (in one entry only)

Spot check 1st - upstream	2	3	4	5	6	7	8	9	10
---------------------------	---	---	---	---	---	---	---	---	----

LEFT BANK - TICK if functional form

Material: **SS SS SS CO CO CO BO BO GA SS**
 Bank modification(s): **NO NO NO NO NO NO NO NO NO NO**
 Bank feature(s): **NO SB SB NO NO NO NO NO NO NO**

CHANNEL - TICK if functional form

Channel substrate: **CO CO CO CO CO CO CO CO CO CO**
 Substrate shape: **OV OV OV OV - OV - - - - -**
 Flow type: **RP RP RP RP RP RP RP RP RP RP**
 Channel modification(s): **NO NO NO NO NO NO NO NO NO NO**
 Channel feature(s): **NO NO NO NO NO NO NO NO NO NO**

RIGHT BANK - TICK if functional form

Material: **CO CO CO EA CO CO CO CO CO CO**
 Bank modification(s): **NO NO NO NO NO NO NO NO NO NO**
 Bank feature(s): **SB EC EC NO PB PB PB NO NO NO**

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

Land use: choose one from BL, CL, OL, HR, SC, TH, SF, G, R, WL, OR, SS

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m)	BL	CL	OL	HR	SC	TH	SF	G	R	WL	OR	SS
LEFT BANK FACE (structure)	BL	CL	OL	HR	SC	TH	SF	G	R	WL	OR	SS
RIGHT BANK FACE (structure)	BL	CL	OL	HR	SC	TH	SF	G	R	WL	OR	SS
RIGHT BANK-TOP (structure within 1m)	BL	CL	OL	HR	SC	TH	SF	G	R	WL	OR	SS
LAND USE WITHIN 5m OF BANK TOP (R)	BL	CL	OL	HR	SC	TH	SF	G	R	WL	OR	SS

VEGETATION (tick one box only)

NONE PLANT GENERA - list first 5

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

NO. 2100

VEGETATION SURVEY

L	R	L	R
Partial/total woodland (WL)		Rough pasture (RP)	5 6
Tree plantation (TP)		Improved/improved grass (IG)	✓ ✓
Field (FL)		Tiled land (TL)	
Moorland/heath (MH)		Wetland (eg bog, marsh, fen) (WL)	
Scrub (SC)	3	Open water (OW)	
Urban and vegetation (UV)		Suburban/urban development (SU)	6

BASED ON

Natural/unmodified	L	R	Artificial/modified	L	R
V1 - Undercut	✓	✓	Reinforced		
V2 - 1 + toe			Reinforced - whole bank		✓
V3 - >45°	✓		Reinforced - top only		
Gentle			Reinforced - toe only		
Concrete			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

PERCENT OF TREES AND ASSOCIATED FEATURES

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

WATERFALLS

Waterfall(s) <input checked="" type="checkbox"/>	None <input type="checkbox"/>	Present E (≥ 33%) <input type="checkbox"/>
Coarse(s) <input checked="" type="checkbox"/>	None <input type="checkbox"/>	Present E (≥ 33%) <input type="checkbox"/>
Rapids(s) <input type="checkbox"/>	None <input type="checkbox"/>	Present E (≥ 33%) <input type="checkbox"/>
Riffle(s) <input type="checkbox"/>	None <input type="checkbox"/>	Present E (≥ 33%) <input type="checkbox"/>
River(s) <input type="checkbox"/>	None <input type="checkbox"/>	Present E (≥ 33%) <input type="checkbox"/>
Bank(s) <input type="checkbox"/>	None <input type="checkbox"/>	Present E (≥ 33%) <input type="checkbox"/>
Slide(s) <input type="checkbox"/>	None <input type="checkbox"/>	Present E (≥ 33%) <input type="checkbox"/>
Pool(s) <input type="checkbox"/>	None <input type="checkbox"/>	Present E (≥ 33%) <input type="checkbox"/>

dominant flow sequence (select up to three features):

WATERWAY SURVEY DIMENSIONS AND INFLUENCES

CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	15	RIGHT BANK	Banktop width (m)	15
Banktop height (m)	0.5	Water width (m)	13	Banktop height (m)	0.5
Embankment height (m)	-	Water depth (m)	0.3	Embankment height (m)	-

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

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

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

WATERWAY FEATURES

None Number of Culverts = **4** Weirs = **0** Overfalls = **0** Fords = **0**
 Footbridges = **4** Roadbridges = **0** Other = **0**

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

EVIDENCE OF BED/CHANNEL MANAGEMENT (tick appropriate box(es))

None Dredging Mowing Weed-cutting
 Enhancement Other? Stone

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

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

CROCKED CHANNEL (tick appropriate box(es))

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

NOTICE OF HAZARDOUS MATERIALS (tick appropriate box(es)) IFE and LAURENCE LANDS OF OBTUSE

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Northern Rhododendron bracteosus

MAJOR IMPACTS landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - effluent - fertilisation - herbicide management - silting - other? =

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

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

Other significant observations: **Oystercatcher**

ALDERS (tick appropriate box(es))

Alders? None Present Extensive Dispersed Alders? None Present Extensive

1996 RIVER HABITAT SURVEY WITH THE GOALS for plant genera and (coding) Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

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

B. FIELD SURVEY DETAILS

Reference network site number: **2102**
 Mid-site grid reference of network site if different from designated location:

Grid Reference: **N478097** River: **MILT AND LOUISIANA**
 Date: **12/5/1996** Time: **11:10** Surveyor name: **J.S. (P. 1140)** Accreditation code: **PE9**

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

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

IFE single photograph: general character? No Yes (tick one box)
 and, as required, special feature? No Yes (tick one box)

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

C. PREDOMINANT VALLEY FORM (tick one box only)

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

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

D. NUMBER OF RIFLES AND POINT BARS

Rifles: _____ Unvegetated point bars: **4**
 Pools: **32** Vegetated point bars: _____

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 P.N. DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, BR20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2

FULLY (see IFE for details) Points: **WH, MH, NH, UV, V, W, Y, Z** Veg. point bars: _____

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

Spot check 1-10 upstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK TIECK (if functional)										
Material (see IFE for details)	PE	BE	BO	BE	BE	BO	BO	BO	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
CLEANER: NEW (see IFE for details)										
Channel substrate (see IFE for details)	BO	BO	BO	BE	BE	BO	BO	BO	BE	BE
Substrate shape (see IFE for details)	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type (see IFE for details)	CH	CH	CH	CH	CH	CH	CH	CH	CH	CH
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
RIFIT BANK TIECK (if functional)										
Material (see IFE for details)	PE	BO	BO	BE	BE	BO	BO	BO	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 (to be assessed over a 10m wide transect)

Land use: choose one from BL, OF, OR, MR, SC, TR, R, G, RL, W, OW, SW

LAND USE WITHIN 5m OF BANKTOP (L)	MAH	MAH	MAH	MAH	MAH	MAH	MAH	MAH	MAH	MAH
LEFT BANK TOP (structure within 1m) MAHSC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) MAHSC	S	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure) MAHSC	S	B	B	B	B	B	B	B	B	B
RIGHT BANK TOP (structure within 1m) MAHSC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	MAH	MAH	MAH	MAH	MAH	MAH	MAH	MAH	MAH	MAH

G. CHANNEL VEGETATION (tick one box)

NONE PLANT GENERA - list first 5

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

Brown leaf litter MS

SITE NO: **2102**

Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/improved grass (IG)		
Orchard (OR)			Tiled land (TL)		
Meadow/rough (MR)			Wetland (see IFE for details) (WL)		
Scrub (SC) - Raeburn			Open water (OW)		
Tall herb/semi-vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undisturbed			Reinfaced - whole bank		
Vertical + tree			Reinfaced - top only		
Steep (>45°)			Reinfaced - toe only		
Trouble			Artificial one-stage		
Composite			Patched		
			Embedded		
			Set-back embankment		

TRILLS (tick one box per bank)

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None	Present	E (2:33%)
Isolated/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging bough	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

Waterfall(s)	None	Present	E (2:33%)	Marginal deadwater	None	Present	E (2:33%)
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Manure (stack(s))	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **CNSR NOB - POOL**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND FEATURES

LEFT BANK	Banktop width (m)	3.00	RIGHT BANK	Banktop width (m)	0.55
Banktop height (m)	0.60	Water width (m)	2.00	Banktop height (m)	0.55
Embanked height (m)	-	Water depth (m)	0.08	Embanked height (m)	-

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

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

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

NO. OF OBSTACLES (see IFE for details)

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

EVIDENCE OF BANK EROSION/SLIDING

None Dredging Mining Wall-cutting
 Enhancement Other? state: _____

REASONS OF EROSION/SLIDING

None	<input type="checkbox"/>	Waterfalls > 5m high	<input type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Log	<input checked="" type="checkbox"/>	Other (state)	_____
Bankside channels	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Cur	<input type="checkbox"/>		
Debris dams	<input type="checkbox"/>	Water meadow	<input type="checkbox"/>	Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>		
Loose debris	<input type="checkbox"/>	Fox	<input type="checkbox"/>	Fox	<input type="checkbox"/>	Flint	<input type="checkbox"/>		

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

NOTABLE OBSTACLES (see IFE for details)

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? state: **Nettle Rhododendron (tree)**

OVERALL RIVER STATUS

Major impacts: bankfill - clipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silt - other? = _____

Land Management: set-back - buffer strip - bankfill - abandoned land - parkland - MoD - other? = _____

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

Other significant observations: **Water level fluctuations**

ALTERS (tick appropriate box(es))

Alters? None Present Extensive Discarded Alters? None Present Extensive

1996 RIVER HABITAT SURVEY (Use this form for riparian geocra. 10/95) **Page 2 of 4**

A. BACKGROUND, MAP-BASED INFORMATION

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

B. FIELD SURVEY DETAILS

Reference network site number: **2106**
Mid-site grid reference of network site if different from designated location: _____

Grid Reference: **14C350067** River: **PP9**
Date: **11/5/1996** Time: **12:15** Surveyor name: **JR!** Accreditation code: **PF9**

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

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

IFE single photograph: general character? No Yes (tick one box) **x2**
(duplicate will be made by scanning)
and, as required, special feature? No Yes (tick one box)

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

PREDOMINANT VALLEY FORM

shallow vcc concave/bowl
 deep ves symmetrical floodplain
 gorge asymmetrical floodplain

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

Riffles _____ Unvegetated point bars **2**
Pools **32** Vegetated point bars _____

END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO H. DAWSON, IFE, LIVER LABORATORY, EAST STOKES, WARRNAM, 3230 648

1996 RIVER HABITAT SURVEY (Use this form for riparian geocra. 10/95) **Page 2 of 4**

PHYSICAL ATTRIBUTES (Use this form for riparian geocra. 10/95) **Page 2 of 4**

Spot check 1 to: upstream downstream _____

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Material	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Substrate shape	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Plan view	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
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	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Material	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

R. BANKTOP LAND USE AND VEGETATION (Use this form for riparian geocra. 10/95) **Page 2 of 4**

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

LAND USE WITHIN 5m OF BANKTOP (L)	SE	SC	H	L	B	L	B	L	B	L	B	L	B	L	B
LEFT BANK TOP (structure within 1m)	E	C	S	C	C	C	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure)	B	E	B	C	U	B	B	U	B	U	B	U	B	U	B
RIGHT BANK FACE (structure)	B	E	B	B	B	B	B	B	B	B	B	B	B	B	B
RIGHT BANK TOP (structure within 1m)	S	C	C	S	C	S	C	S	C	S	C	S	C	S	C
LAND USE WITHIN 5m OF BANK TOP (R)	SC	H	R	R	R	P	P	S	C	B	L	B	L	B	L

VEGETATION CHARACTERISTICS (Use this form for riparian geocra. 10/95) **Page 2 of 4**

NONE PLANT GENERA - See Box 5

Bryophytes/lichens															
Emergent broad-leaved herbs															
Emergent narrow-leaved herbs															
Flowering broad-leaved															
Free-floating															
Amphibious															
Submerged broad-leaved															
Submerged fine-leaved															
Filamentous algae															

2106

	L	R		L	R
submerged wood (SU)	E	E	Rough pasture (RP)		
terrestrial vegetation (TV)	E		improved/best-improved grass (IG)		
overland (OL)			Tilled land (TL)		
marsh/pond (MP)	E	E	Wetland (by bog, marsh, fen) (WL)		
sub (SO) - mainly water	E	E	Open water (OW)		
herb/ mud exposures (HE)			Substratum/bedrock development (SD)		

NATURAL/ARTIFICIAL BED

	L	R	Artificial/modified	L	R
bed/substratum	2	2	Reinforced		
bed - top			Reinforced - whole bank		
p (>45)			Reinforced - top only		
cut/slope			Reinforced - toe only		
cut/slope	E	E	Artificial two-stage		
			Postbed		
			Embankment		
			Set-back embankment		

TERMS (tick one box per bank)

	Left	Right	ASSOCIATED FEATURES	None	Present (P)
Name	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
bed/cross-sectional	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging banks	<input type="checkbox"/>	<input checked="" type="checkbox"/>
regularly spaced, slight	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional changes	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Small cutwaters	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pine trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cutwaters	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Curve woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WATERBANKS

	None	Present (P)	None	Present (P)
Waterbank(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal sand-bar	<input type="checkbox"/>
Overbank(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Rap(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>
Road(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Obstacle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **CASCADE - POOL**

1996 RIVER HABITAT SURVEY (Use this form for riparian geocra. 10/95) **Page 2 of 4**

VEGETATION CHARACTERISTICS (Use this form for riparian geocra. 10/95) **Page 2 of 4**

LEFT BANK	Banking width (m)	2.50	RIGHT BANK	
	Banking height (m)	1.00		Banking height (m)
	Embankment height (m)	0.70		Embankment height (m)
	Water width (m)	5.00		
	Water depth (m)	0.70		

If available lower than banking level in slope, indicate: height (m) = ... width(m) = ...

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

Location of measurement is: riffle mid to pool other (tick one box)

VEGETATION CHARACTERISTICS

Name Number of Culverts = _____ Width = _____ Overlays = _____ Peds = _____
Footbridges = _____ Bankbridges = _____ Other = _____

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

VEGETATION CHARACTERISTICS

Name Dredging Moving Wind-eroding
Enhancement Other? State: _____

VEGETATION CHARACTERISTICS

Name Waterfalls > 5m high Artificial open water Bog Other (state) _____
Bedrock channels Natural open water Cuts
Debris dams Water scumblers Marsh
Lush debris Pine Flush

Is 25% or more of the channel choked with vegetation? No Yes

Name Giant Hogweed Elmhydra Reburn Japanese Knotweed Other? State: _____

Major impacts: landfill - tipping - busy - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - burning - mining - quarrying - overgrazing - effluent/drainage - substrate management - silt - other? = _____

Land Management: set-aside - buffer strip - modified - abandoned bed - perturbed - MoD - other? = _____

Animals: otter - mink - water vole - kingfisher - dipper - grey squirrel - wood mouse - brown - dragonfly/damselfly

Other significant observations: _____

ALTERS (tick appropriate box)

Alters? None Present Extensive Discussed Alters? None Present Extensive

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

A BACKGROUND MAP-BASED INFORMATION

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

B FIELD SURVEY DETAILS

Reference network site number: **2107**
 Mid-site grid reference of network site if different from designated location:

Grid Reference: **NCE1060** River: **JULY AND BASIL**
 Date: **9/5/1996** Time: **1:55** Surveyor name: **J.S.** Accreditation code: **PF9**
 Adverse conditions affecting survey? No Yes If yes, state:

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

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

C DOMINANT VALLEY FORM (tick one box only)

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

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

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

Riffles: _____ Unvegetated point bars: _____
 Pools: _____ Vegetated point bars: _____

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

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

FALLY (see IFE) for Riffles Pools **U** Unveg side bars Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) (1 = one entity only)

Spot check 1 - <input checked="" type="checkbox"/> upriver <input type="checkbox"/> downriver	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if fractional focus										
Material W, M, B, C, G, S, L, P, L, C, D, P, W, G, L, M, B, S, P	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s) W, M, B, C, G, S, L, P, L, C, D, P, W, G, L, M, B, S, P	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) W, M, B, C, G, S, L, P, L, C, D, P, W, G, L, M, B, S, P	SB	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL: NEW (fractional focus only)										
Channel substrate W, M, B, C, G, S, L, P, L, C, D, P, W, G, L, M, B, S, P	BO	BE	BE	BE	BE	BE	BE	BE	BE	BE
Substrate shape F, L, O, E, L, P, C, U, P, R, O, D, M, W, S, P	IR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Flow type F, L, O, E, L, P, C, U, P, R, O, D, M, W, S, P	CF	FF	FF	UP	UP	FF	CF	UP	UP	CF
Channel modification(s) W, M, B, C, G, S, L, P, L, C, D, P, W, G, L, M, B, S, P	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) W, M, B, C, G, S, L, P, L, C, D, P, W, G, L, M, B, S, P	RO	RO	RO	NO	NO	NO	RO	NO	RO	RO
RIGHT BANK TICK if fractional focus										
Material W, M, B, C, G, S, L, P, L, C, D, P, W, G, L, M, B, S, P	RO	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s) W, M, B, C, G, S, L, P, L, C, D, P, W, G, L, M, B, S, P	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) W, M, B, C, G, S, L, P, L, C, D, P, W, G, L, M, B, S, P	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

Land use: choose one from **BL, CP, OL, ND, SC, PL, RP, PG, FL, WL, OW, SU**

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

G CHANNEL VEGETATION BYTES

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/needle-leaved										
Emerg sedge										

SITE NO. **2107**

Bank/riparian woodland (BL)			Rough pasture (RP)				
Continuous plantation (CP)			Improved/semi-improved grass (IG)				
Orchard (OR)			Tiled land (TL)				
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)				
Scrub (SC)			Open water (OW)				
Tall herbs' wet vegetation (TH)			Suburban/urban development (SU)				

H CHANNEL VEGETATION BYTES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/erosion			Recessional		
Vertical + tree			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Punched		
			Embedded		
			Set-back embankment		

I VEGETATION OF TREES AND ASSOCIATED FEATURES

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

Waterfall(s) Present E Marginal deadwater Present E (2.11%)
 Cascade(s) Exposed bedrock
 Rapid(s) Exposed boulders
 Riffle(s) Unvegetated mid-channel bar(s)
 Run(s) Vegetated mid-channel bar(s)
 Bank(s) Mature island(s)
 Island(s) Unvegetated side bar(s)
 Pool(s) Vegetated side bar(s)

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

1996 RIVER HABITAT SURVEY: ADDITIONAL ON-SITE MEASUREMENTS

J CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	7.66	RIGHT BANK	
Banktop height (m)	Water width (m)	5.50	Banktop height (m)	0.80
Embankment height (m)	Water depth (m)	0.25	Embankment height (m)	

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

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

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

K CHANNEL VEGETATION BYTES

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

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

L REVISIONS OF VEGETATION MANAGEMENT

None Dredging Mowing Weed cutting
 Enhancement Other? State _____

M SPECIAL INTEREST (tick appropriate)

None Waterfalls > 5m high Artificial open water Bog Other (state) _____
 Bedrock/stone channels Natural open water Carr
 Debris dams Water meadow Marsh
 Lemny debris Fen Flush

N CHANNEL CHANNEL (tick one box)

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

O CHANNEL VEGETATION BYTES

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

P MAJOR IMPACTS (tick all)

landfill - logging - liners - storage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - effluentation - fisheries management - silting - other? = _____

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MOD - other? = _____

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

Other significant observations: **SPERMATOPHYTES WITH EXTENSIVE LEADINGS OF SPERMATOPHYTES (RAJN 2000)**
CO220016 (RAJN)

S ALDERS (tick appropriate bar(s))

Alders? None Present Extensive Disused Alders? None Present Extensive

A. BACKGROUND MAP-BASED INFORMATION

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

B. FIELD SURVEY DETAILS

Reference network site number: 2108
 Mid-site grid reference of network site if different from designated location:

Grid Reference: River: Gradis River
 Date: 8/5/1996 Time: 9:05 Surveyor name: TSC Accreditation code: 111
 Adverse conditions affecting survey? No Yes If yes, state _____
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

2. PREDOMINANT VALLEY FORM (tick one box only)

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

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

NUMBER OF RIFFLES, POOLS AND POINT BARS

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

END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 N. HANSON, IFE, RIVER LABORATORY, EAST STOKES, WARRAN, 3570 688

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

B. PHYSICAL ATTRIBUTES (to be obtained across channel within 2.1m wide transects) - one entry only

Spot check 1 is upstream downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK	SS	BS	SS	SA	SA	BS	BS	BS	BS	BS
Material (W, M, O, C, G, L, P, D, E, F, H, J, K, N, S, U, V, Y)	SS	BS	SS	SA	SA	BS	BS	BS	BS	BS
Bank modification(s) (H, M, J, K, P, U, V, Y)										
Bank feature(s) (W, M, O, C, G, L, P, D, E, F, H, J, K, N, S, U, V, Y)										
CHANNEL	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
Channel substrate (W, M, O, C, G, L, P, D, E, F, H, J, K, N, S, U, V, Y)	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
Substrate shape (FL, OL, PL, CL, PO, BL, BR, BR, BR)	OL	OL	OL	OL	OL	OL	OL	OL	OL	OL
Flow type (FL, OL, PL, CL, PO, BL, BR, BR, BR)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s) (H, M, J, K, P, U, V, Y)										
Channel feature(s) (W, M, O, C, G, L, P, D, E, F, H, J, K, N, S, U, V, Y)										
RIGHT BANK	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
Material (W, M, O, C, G, L, P, D, E, F, H, J, K, N, S, U, V, Y)	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
Bank modification(s) (H, M, J, K, P, U, V, Y)										
Bank feature(s) (W, M, O, C, G, L, P, D, E, F, H, J, K, N, S, U, V, Y)										

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

Land use: Choose one from BL, CL, OL, MH, SC, FL, RP, RL, CL, WL, OW, ST

LAND USE WITHIN 5m OF BANKTOP (L)	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC
LEFT BANK TOP (structure within 1m) BUSIC	C	S	U	S	S	U	E	C	S	S
LEFT BANK FACE (structure) BUSIC	S	B	S	S	S	C	S	C	S	S
RIGHT BANK FACE (structure) BUSIC	B	S	S	S	U	S	S	S	B	B
RIGHT BANK TOP (structure within 1m) BUSIC	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

VEGETATION VEGETATION (tick one box)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent sedge/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae	E	E	E	E	E	E	E	E	E	E

ITEM NO. 2108

roadside/marginal woodland (RL)										
suburban plantation (CP)	E									
woodland (OL)										
woodland/bank (MZ)										
tree (SC)	E	E								
all herbs' and vegetation (TH)										

TRUNKS (tick one box per bank)

None	<input type="checkbox"/>	<input type="checkbox"/>	Shoaling of channel	None	<input type="checkbox"/>	Percent E (2.33%)	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging banks	None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen trees	None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

Waterfall(s)	None	<input type="checkbox"/>	Percent E	<input type="checkbox"/>	Marginal deadwater	None	<input type="checkbox"/>	Percent E (2.33%)	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature inbank(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glide(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

CHANNEL DIMENSIONS AND BANK PROFILES

LEFT BANK	Banking width (m)	<u>1.25</u>	RIGHT BANK	
Banking height (m)	Water width (m)	<u>9.25</u>	Banking height (m)	<u>0.65</u>
Embankment height (m)	Water depth (m)	<u>0.30</u>	Embankment height (m)	

If bankline lower than banking bank in slope, indicate: height (m) _____ width (m) _____

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

Location of measurement is: riffle pool other (tick one box)

CHANNEL CHARACTERISTICS

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

CRITERIA OF CHANNEL MANAGEMENT (tick one box)

None Dredging Moving Weed-cutting
 Enhancement Other? State _____

CHARACTERISTICS OF SPECIAL INTEREST (tick one box)

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

CRICKED CHANNELS

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

WOODLAND STANDS

None Great Haywood Hinesyan Balan Riparian Koorwee Other? Name Rhododendron (tick one)

OTHER SPECIAL FEATURES

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

Land Management: set-back - buffer strip - bioflood - abandoned land - parkland - MoD - other? = _____

Animals: enter - mist - water vole - haggfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly - _____

Other significant observations: Deposited

ALDERS (tick appropriate box(es))

Alders? None Present Extensive (Quercus Alders? None Present Extensive

A. BACKGROUND MAP-BASED INFORMATION

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

B. FIELD SURVEY DETAILS

Reference network site number: 2107
 Mid-site grid reference of network site if different from designated location: _____

Grid Reference: NC 923 045 River: Little River
 Date: 1/5/1996 Time: 10:10 Surveyor name: IS (K...) Accreditation code: PF7

Adverse conditions affecting survey? No Yes If yes, state: _____
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

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

C. PREDOMINANT VALLEY FORM (tick one box)

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

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

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total numbers)

Riffles: _____ Unvegetated point bars: _____
 Pools: _____ Vegetated point bars: _____

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

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

TALLY (see IFE for Riffles, Pools, Unveg. pt. bar, Veg. point bar)

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

Spot check 1 to 10 upstream	downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK											
Material		B	B	B	B	B	B	B	B	B	B
Bank modification(s)											
Bank feature(s)											
CHANNEL											
Channel substrate		B	B	B	B	B	B	B	B	B	B
Substrate shape											
Flow type											
Channel modification(s)											
Channel feature(s)											
RIGHT BANK											
Material		B	B	B	B	B	B	B	B	B	B
Bank modification(s)											
Bank feature(s)											

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

Land use: choose one from BL, CF, OR, SH, SC, TH, TR, VL, VL, VL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m) BUSEC	C	C	C	C	C	C	C	C	C	C
LEFT BANK FACE (structure) BUSEC	C	S	S	C	C	S	C	C	C	C
RIGHT BANK FACE (structure) BUSEC	S	S	S	C	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BUSEC	C	C	C	S	S	S	S	S	S	S
*D USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

G. CHANNEL VEGETATION TYPES (tick one box)

NONE PLANT GENERA - list first 5

Bryophytes/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs										
Emerg reeds/rushes/vrushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine/linear leaved										
Filamentous algae										<input checked="" type="checkbox"/>

INC 2107

Material/modified	L	R	Artificial/modified	L	R
Bare/mineral woodland (BL)	E	E	Rough pasture (RP)		
Calciferous plantation (CP)			Improved/semi-improved grass (IG)		E
Orchard (OR)			Tiled land (TL)		<input checked="" type="checkbox"/>
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SQ)		<input checked="" type="checkbox"/>	Open water (OW)		
Tall herb/semi-vegetation (TH)			Suburban/urban development (SU)		<input checked="" type="checkbox"/>

VEGETATION TYPES (tick one bar per bank)

Material/modified	L	R	Artificial/modified	L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Patched		<input checked="" type="checkbox"/>
			Embedded		
			Soil bank combinations		

TRILS (tick one bar per bank)

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

WATERBARS

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

Indicate predominant flow sequence (select up to three features): APD - RM - RAPID

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

TRANVERSE DIMENSIONS (to be assessed across channel within a 10m wide transect)

LEFT BANK	Banktop width (m)	9.20	RIGHT BANK		
Banktop height (m)	0.20	Water width (m)	7.20	Banktop height (m)	0.70
Embedded height (m)		Water depth (m)	0.40	Embedded height (m)	

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

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

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

PHYSICAL ATTRIBUTES

None Number of Culverts = 1 Weirs = 1 Siphons = 1 Outfalls = 1 Fords =
 Footbridges = Other =
 Is water impounded by weirs/dams? No Yes <33% of site >33% of site

EVIDENCE OF RECENT MANAGEMENT (tick one box)

None Dredging Mowing Weed cutting
 Enhancement Other? State: _____

FEATURES OF SPECIAL INTEREST (tick one box)

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

VEGETATED CHANNELS

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

WOODLAND (KURANGI) STANDS (tick one box)

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other Native Rhododendron

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

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

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

Other significant observations:

ALDERS (tick appropriate box(es))

Alders: None Present Extensive Damaged Alders: None Present Extensive

BACKGROUND MAP-BASED INFORMATION

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

FIELD SURVEY DETAILS

Reference network site number: 2110
 Mid-site grid reference of network site if different from designated location:

Grid Reference: NCT74096 River: P. K. ...
 Date: 1.5.1996 Time: 11:00 Surveyor name: S. P. Accreditation code: P.F.1.
 Adverse conditions affecting survey? No Yes If yes, state: ...
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

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

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

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

Rifles: section 5
 Pools: Vegetated point bars

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

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

TABLE 1 (see JHT) for RIFLES Pools Uvegetated side bars Veg point bars

E PHYSICAL ATTRIBUTES (to be observed across channel within a 1m wide riffle) - one entry only

Spot check 1 is upstream (U) downstream (D)

LEFT BANK (TICK if functional forms)

Material (M, H, B, C, G, L, P, R, S, U, V, W, X, Y, Z)	1	2	3	4	5	6	7	8	9	10
Bank modification(s)	1	2	3	4	5	6	7	8	9	10
Bank feature(s)	1	2	3	4	5	6	7	8	9	10

RIGHT BANK (TICK if functional forms)

Material (M, H, B, C, G, L, P, R, S, U, V, W, X, Y, Z)	1	2	3	4	5	6	7	8	9	10
Bank modification(s)	1	2	3	4	5	6	7	8	9	10
Bank feature(s)	1	2	3	4	5	6	7	8	9	10

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

Land use: choose one from M, C, O, H, N, R, S, T, U, V, W, X, Y, Z

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

G CHANNEL VEGETATION (tick one box only)

None / PLANT GENERA - list first 5

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

NO. 2110

	L	R		L	R
unimixed woodland (UL)			Rough grass (RP)	E	V
rough plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MR)	E	S	Wetland (eg bog, marsh, fen) (WL)		
Sea (S)			Open water (OW)		
Tree and vegetation (TH)			Suburban/urban development (SU)		

D NATURAL/ARTIFICIAL CHANNELS (tick one box only)

Natural/unmodified	L	R	Artificial/modified	L	R
V1 random			Reinforced		
V2 + toe			Reinforced - whole bank		
Slopy (> 45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Coarse			Artificial two-stage		
			Poached		
			Embanked		
			Set-back combinations		

E PRESENT FEATURES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

None	Left	Right	Shading of channel	None	Percent E (≥ 11%)
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Scam continuous			Fallen trees		
Continuous			Coarse woody debris		

ASSOCIATED FEATURES (tick one box per feature)

None	Percent E (≥ 11%)	None	Percent E (≥ 11%)
Exposed bedrock		Exposed boulders	
Vegetated mid-channel bar(s)		Vegetated mid-channel bar(s)	
Mature island(s)		Vegetated side bar(s)	
Vegetated side bar(s)		Vegetated side bar(s)	

F CHANNEL VEGETATION (tick one box only)

None Present Extensive Dispersed Alders None Present Extensive

G ALDERS (tick appropriate box(es))

Alders: None Present Extensive Dispersed Alders: None Present Extensive

H CHANNEL DIMENSIONS AND INFLUENCES

LEFT BANK	Banktop width (m)	14	RIGHT BANK		
Banktop height (m)	0.30	Water width (m)	1.3	Banktop height (m)	0.50
Embanked height (m)	-	Water depth (m)	0.30	Embanked height (m)	-

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

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

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

I PARTICULATE MATTER (tick one box only)

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

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

J EVIDENCE OF SILT MANAGEMENT (tick one box only)

None Dredging Moving Weed cutting
 Enhancement Other? Static

K REASONS OF SPECIAL INTEREST (tick appropriate box(es))

None Waterfalls > 5m high Artificial open water Bog Other (state)
 Residual/side channels Natural open water Carr
 Debris dams Water excluder Marsh
 Lumpy debris Pile Flush

L CHANNEL VEGETATION (tick one box only)

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

M CHANNEL VEGETATION (tick one box only)

None Giant Hogweed Himalayan Bitters Japanese Knotweed Other? Nettle, Rhododendron bracken

N MAJOR IMPACTS (tick one box only)

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

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

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

Other significant observations

1996 RIVER HABITAT SURVEY: WILDFISH HOUSING FOR PLAIN GEORGE AND FORTRESS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

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

B. FIELD SURVEY DETAILS

Reference network site number: 2111
 Mid-site grid reference of network site if different from designated location:
 Grid Reference: 115511093 River: SCOTTARIS Burns
 Date 21/5/1996 Time 10:35 Surveyor name J.G. (P. HARRIS) Accreditation code: P. HARRIS
 Adverse conditions affecting survey? No Yes If yes, state:
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

C. DOMINANT VALLEY FORM (tick one box only)

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

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

D. NUMBER OF RIFFLES, POOL STARTS AND POINT BARS (indicate total number)

Riffles 7 Unvegetated point bars 1
 Pools 5 Vegetated point bars -

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

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

TALLY (use 0/1) for: riffles Pools Unveg. side bars Veg point bars

B. PHYSICAL ATTRIBUTES (to be assessed across channel (within a 1m wide transect) in one survey only)

Spot check 1: upstream downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK TICK if functional feature										
Material (W, B, G, O, C, L, P, R, D, CL, CP, M, CA, M, S, P)	B5	B5	B5	B5	B5	B5	B5	B5	B5	B5
Bank modification(s) (M, NO, B, S, R, P, C, M, B, M, D)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (W, NO, B, C, L, P, R, D, CL, CP, M, CA, M, S, P)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL TICK if functional feature										
Channel substrate (W, B, G, O, C, L, P, R, D, CL, CP, M, CA, M, S, P)	B5	B5	B5	B5	B5	B5	B5	B5	B5	B5
Substrate shape (FL, OV, EL, SF, CU, PD, RL, OTH, N, H)	-	-	-	-	IR	-	-	-	-	-
Plan type (FF, CH, FN, UP, CP, RP, RP, SP, M, NO)	CH	UN	CH	FF	RP	-	-	-	-	-
Channel modification(s) (M, NO, B, S, R, P, C, M, B, M, D)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (W, NO, B, C, L, P, R, D, CL, CP, M, CA, M, S, P)	RO	RO	RO	RO	RO	RO	RO	RO	RO	RO
RIGHT BANK TICK if functional feature										
Material (W, B, G, O, C, L, P, R, D, CL, CP, M, CA, M, S, P)	B5	B5	B5	B5	B5	B5	B5	B5	B5	B5
Bank modification(s) (M, NO, B, S, R, P, C, M, B, M, D)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (W, NO, B, C, L, P, R, D, CL, CP, M, CA, M, S, P)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

Land use: choose one from: RL, CL, OL, MH, SC, TN, RP, RC, RL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	TAH	MH	ML	MH	MH	MH	MH	MH	SC	RM
LEFT BANK TOP (structure within 1m) BANUC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BANUC	S	B	S	B	S	S	S	S	B	S
RIGHT BANK FACE (structure) BANUC	S	S	M	B	S	S	S	S	S	B
RIGHT BANK TOP (structure within 1m) BANUC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH

G. MECHANISM OF VEGETATION SYSTEM (tick one box)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent reeds/rushes										
Flowering-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fan-linear-leaved										
Filamentous algae										

SITE NO. 2111

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

NATURAL/MAN-MADE

	L	R	Artificial/modified	L	R
Vertical/undercut			Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Pinch		
			Embankment		
			Set-back embankment		

I. VEGETATION TYPES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (>11%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): S40° - Burns - S110° (P. HARRIS)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

A. CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	Banktop height (m)	Water width (m)	Water depth (m)	Embankment height (m)	RIGHT BANK	Banktop height (m)	Embankment height (m)
	2.60	0.60	3.0	0.5	0.5		0.50	

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

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

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

B. CHANNEL INFLUENCES

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

None Dredging Mowing Weed cutting
 Enhancement Other? State:

C. FEATURES OF SPECIAL INTEREST (tick appropriate)

None Waterfalls > 5m high Artificial open water Bog Other (state):
 Bridled/side channels Natural open water Carr
 Debris dams Water meadow Marsh *See as dominated*
 Lanky debris Pits Flush

Is 35% or more of the channel choked with vegetation? NO YES

D. LARGE STANDS OF ALDERS

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

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

Land Management: set-back - buffer strip - broadland - abandoned land - parkland - MoD - other? =

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

Other significant observations:

E. ALDERS (tick appropriate box(es))

Alders? None Present Extensive Dispersed Alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION

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

FIELD SURVEY DETAILS

Reference network site number: 2117
 Mid-site grid reference of network site (if differs from designated location):
 Grid Reference: NH385958 River: Abhainn an T-Saibh Chluicem
 Date: 2/5/1996 Time: 12:18 Surveyor name: DUNNAN Accreditation code: PF21
 Adverse conditions affecting survey? No Yes If yes, state:
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

PREDOMINANT VALLEY FORMS (tick one box only)

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

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

NUMBER OF RIFLES, POOLS AND POINT BARS (tick one total number)

Rifles 7 Unvegetated point bars 0
 Pools 0 Vegetated point bars 0

COMPLETED FORMS MUST BE FILED WITH ALL WATER SAMPLES AND EXPENSE CLAIMS TO F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BNR2 6BB

PHYSICAL ATTRIBUTES (to be assessed across channel width > 5m wide channels) - one entry only

Spot check 1: upstream downstream

LEFT BANK	1	2	3	4	5	6	7	8	9	10
Material	BO	BO	BO	BO	BO	BE	BE	BE	BE	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel forward(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	BO	BO	BO	BO	BO	BO	BE	CO	BE	BE
Substrate shape	IR	IR	IR	IR	OV	IR	X	IR	X	X
Flow type	RP	RP	RP	RP	CH	RP	CF	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel forward(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK TICE (if functional fence)

Material	BO	GS	GS	GS	GS	BE	BE	BE	BE	BE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel forward(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

Land use: choose one from BL, CL, DL, SL, BL, CL, DL, SL, PL, OL, PL, OL, PL, OL, PL, OL

LAND USE WITHIN 5m OF BANKTOP (L)	RP	MH	MH	RP	MH	MH	MH	MH	MH	MH
LEFT BANK TOP (structure within 1m) BOPSC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BOPSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BOPSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BOPSC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	MH	MH	MH	RP	BL	BL	BL	OL

PLANT GENERA - list first 5

NONE	PLANT GENERA - list first 5									
Bryophytes/lichens		✓	✓	✓	✓	✓	✓	✓	✓	✓
Emergent broad-leaved herbs										
Emergent marginal/ruderal										
Flowering broad-leaved										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous etc										

VEGETATION SURVEY

	L	R		L	R
B natural woodland (BL)		✓	Rough pasture (RP)	✓	✓
C rough plantation (CP)			Improved/semi-improved grass (IG)		
D (DIR)			Tilled land (TL)		
Moorland/heath (MT)	E	E	Wetland (eg bog, marsh, fen) (WL)		
S open water (OW)			Open water (OW)		
T tree-lined vegetation (TV)			Suburban/urban development (SU)		

VEGETATION SURVEY

Natural/semi-nat	L	R	Artificial/modified	L	R
V1 forest	✓	✓	Recreated		
V2 + tree	✓	✓	Reforested - whole bank		
Su > 45°			Reforested - top only		
Grass			Reforested - top only		
Ce etc			Artificial (two-stage)		
			Patched		
			Embedded		
			Set back embankment		

TREES (tick one box per bank)

	Left	Right	None	Present E (2-11%)
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Local continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present E (2-11%)
Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

WATERBODIES

	None	Present E (2-11%)
Marginal downwater	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Ind: predominant flow sequence (select up to three features): CH1E - RAPID - ...

CHANNEL DIMENSIONS AND CHARACTERISTICS

LEFT BANK	Banktop width (m)	7.0	RIGHT BANK	
Banktop height (m)	Water width (m)	6.50	Banktop height (m)	6.7
Embankment height (m)	Water depth (m)	0.35	Embankment height (m)	X

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

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

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

CHANNEL CHARACTERISTICS

None Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Other = 1
 Is water impounded by weirs/bars? No Yes, <11% of site >11% of site

EVIDENCE OF RECENT CHANNEL CHANGE

None Dredging Moving Wood cutting
 Embankment Other? State: ...

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

None
 Waterfalls > 5m high Artificial open water Bog Other (state) ...
 Braked/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Lately debris Pea Fresh

CHANNEL CHANGE

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

MAJOR IMPACTS

None Grand Hogweed Himalayan Balsam Japanese Knotweed Other? (state) ...

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

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

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

Other significant observations: ...

ALDERS (tick appropriate box(es))

Alders: Name Present Extensive Discarded Alders: None Present Extensive

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

A BACKGROUND MAP-BASED INFORMATION

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

B FURTHER SURVEY DETAILS

Reference network site number: 2119
 Mid-site grid reference of network site if different from designated location:
 Grid Reference: A1546008 River: ALIT A CHINDANE
 Date: 1.1.5/1996 Time: 10.00 Surveyor name: J.J.L. Accreditation code:
 Adverse conditions affecting survey? No Yes If yes, state:
 Bod of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

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

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

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

Riffles: Unvegetated point bars:
 Pools: Vegetated point bars:

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

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2

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

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

Spot check 1 is upstream downstream

LEFT BANK	TICK if functional (code)	1	2	3	4	5	6	7	8	9	10
Material	WE, MO, AS, U, FC, BM, FM, PV, NO, CE, SE, PE, CE, SE, PE, CE, SE, PE	WE	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	WE, MO, AS, U, FC, BM, FM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	WE, MO, AS, U, FC, BM, FM, PV, NO, CE, SE, PE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL	NEW, OLD, CO, CP, SA, N, CL, PEAK	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	WE, MO, AS, U, FC, BM, FM, PV, NO, CE, SE, PE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Substrate shape	FL, OF, EL, SF, CU, PD, BL, OTHER	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type	FF, CH, RP, RW, RP, RW, RP, RW	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s)	WE, MO, AS, U, FC, BM, FM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	WE, MO, AS, U, FC, BM, FM, PV, NO, CE, SE, PE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	TICK if functional (code)										
Material	WE, MO, AS, U, FC, BM, FM, PV, NO, CE, SE, PE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	WE, MO, AS, U, FC, BM, FM	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	WE, MO, AS, U, FC, BM, FM, PV, NO, CE, SE, PE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

Land use: choose one from BL, CP, DL, MH, SC, TH, RP, RL, WL, OP, SU

LAND USE WITHIN 5m OF BANKTOP (L)	JG	RG	OL	TL	MH	PH	MH	PH	PH	PH
LEFT BANK-TOP (structure within 1m)	JG	RG	OL	TL	MH	PH	PH	PH	PH	PH
LEFT BANK FACE (structure)	JG	RG	OL	TL	MH	PH	PH	PH	PH	PH
RIGHT BANK FACE (structure)	JG	RG	OL	TL	MH	PH	PH	PH	PH	PH
RIGHT BANK-TOP (structure within 1m)	JG	RG	OL	TL	MH	PH	PH	PH	PH	PH
LAND USE WITHIN 5m OF BANK TOP (R)	JG	RG	OL	TL	MH	PH	PH	PH	PH	PH

G CHANNEL VEGETATION TYPES (tick one box)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emerg reeds/sedges/rushes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flowering-leaved (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerg fascicular-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SITE NO. 2119

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

H CHANNEL VEGETATION TYPES (tick one box)

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

I TREES (tick one box per bank)

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Percent E (> 1%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

J OTHER TREES AND ASSOCIATED FEATURES

	None	Percent E
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input type="checkbox"/>
Island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

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

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES

K CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	3.5	RIGHT BANK
Banktop height (m)	0.7	Water width (m)	3.5
Embanked height (m)	—	Water depth (m)	0.4
		Embanked height (m)	—

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

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

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

L CHANNEL VEGETATION TYPES (tick one box)

None Number of Culverts = _____ Weirs = _____
 Footbridges = _____ Roadbridges = 1 _____ Outfalls = _____ Fords = _____
 Is water impounded by weirs? No Yes, < 33% of site > 33% of site

M EVIDENCE OF PRESENT MANAGEMENT (tick one box)

None Dredging Mowing Wood cutting
 Enhancement Other? State _____

N CHARACTERS OF SPECIAL INTEREST (tick appropriate box(es))

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

O CHOKE CHANNELS

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

P NOTABLE RIVER FEATURES (tick appropriate box(es))

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

Q MAJOR IMPACTS (tick appropriate box(es))

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? = _____
 Land Management: set aside - buffer strip - woodland - abandoned land - pasture - MoD - other? = _____
 Animals: otter - mink - water vole - bigfisher - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: _____

S ALDERS (tick appropriate box(es))

Alders: None Present Extensive Disused Alders: None Present Extensive

1996 RIVER HABITAT SURVEY with NHD model USE PLANT genera and TWIN SPOT CHECKS

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BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation? **NO**
 Height of source (m) Water Quality Class

Reference network site number: **2128**
 Mid-size grid reference of network site if different from designated location:

Grid Reference: **NH210853** River: **LAEL**
 Date: **1/5/1996** Time: **5:47** Surveyor name: **DUNNAN** Accreditation code: **121**

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

DOMINANT VALLEY FORM (tick one box)

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

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

NUMBER OF BARS, POOLS AND POINT BARS (total) _____
 Riffles Unvegetated point bars
 Pools Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and expenses claim to
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WABERAN, BR70 6BB

TALLY (see INT) for: P, R, M, III Pools Unveg. side bars Veg point bars

PHYSICAL ATTRIBUTES (to be entered across channel width in 1m wide transects - see INT)

Spot check 1: vegetation <input type="checkbox"/> debris <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK: TYPE (if functional, tick)	FC	RE	BE	NO	NO	NO	NO	NO	NO	NO
Material W, A, L, O, C, G, S, P, F, D, M, R, B, N, J, I, P, H, S, K, L, F, L, M, H, P, L, R, S, T, Y, E, V, Y	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s) H, J, O, R, F, C, M, D, N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) H, J, O, R, F, C, M, D, N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate FL, OT, F, IR, R, OT, IR, ST, IR	BO	RE	BO	BO	BO	BE	RO	RE	RE	RO
Substrate shape FL, OT, F, IR, R, OT, IR, ST, IR	FL	OT	F	IR	R	OT	IR	ST	IR	IR
Pool type FL, OT, F, IR, R, OT, IR, ST, IR	RD	UN	CH	U	U	U	U	U	U	U
Channel modification(s) H, J, O, R, F, C, M, D, N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) H, J, O, R, F, C, M, D, N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: TYPE (if functional, tick)	SA	RE	RE	RE	RE	RE	RE	RE	RE	RE
Material W, A, L, O, C, G, S, P, F, D, M, R, B, N, J, I, P, H, S, K, L, F, L, M, H, P, L, R, S, T, Y, E, V, Y	RI	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s) H, J, O, R, F, C, M, D, N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) H, J, O, R, F, C, M, D, N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) W, S, C, B, S, S, S, S, S, S	U	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) W, S, C, B, S, S, S, S, S, S	W	S	B			U	S	B	B	B
RIGHT BANK FACE (structure) W, S, C, B, S, S, S, S, S, S	B	S	C			S	S	B	B	S
RIGHT BANK-TOP (structure within 1m) W, S, C, B, S, S, S, S, S, S	B	S	C			S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	SU	CP	CP	CP	CP	CP	CP	CP	CP	CP

MOISTURE/VEGETATION (tick one box)

None	PLANT GENERA - list first 3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/lichens									
Emergent broad-leaved herbs									
Emergent rush/sedge/grasses									
Flowering reed (recent)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerged fine-leaved									
Filamentous algae									

2128

B	algal woodland (AL)										
C	tree plantation (CP)	E	E								
O	1 (OR)										
M	moorland/heath (MO)										
S	NO										
T	inland vegetation (TR)										

Natural/unmodified

V ₀	undisturbed	E	E								
V ₁	+ tree										
S ₁	> 4.5%										
C ₀	in										

Artificial/modified

V ₂	Reinforced - whole bank										
S ₂	Reinforced - top only										
C ₁	Reinforced - toe only										
	Artificial two-stage										
	Patched										
	Embanked										
	Set-back embankments										

EXTENT OF VEGETATION ASSOCIATED FEATURES

TREES (tick one box per bank)

None	Left	Right	None	Percent E (2/11%)
Isolated/straggled	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed buttress roots	<input type="checkbox"/>
Leaf continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Confusion	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Over woody debris	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

None	Percent E	None	Percent S (2/11%)
Marginal deadwater	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>		

Vegetation

Vegetation(s)	None	Percent E	None	Percent S (2/11%)
Canopy(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>
Tuff(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>
Island(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>
Island(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>
Island(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>
Island(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>
Island(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>

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

1996 RIVER HABITAT SURVEY DIMENSIONS (SPOT CHECKS)

LEFT BANK	Banktop width (m)	6.0	RIGHT BANK	Banktop width (m)	6.0
Banktop height (m)	0.5	Water width (m)	5.5	Banktop height (m)	0.5
Embanked height (m)	X	Water depth (m)	0.40	Embanked height (m)	X

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

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

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

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

Is water impounded by weir/dam? No Yes, < 11% of site > 11% of site

None Dredging Mowing Weed cutting
 Embankment Other? Stone

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

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

None Giant Hogweed Hymenocallis Injuncta Other?

Major impacts: bank(s) - dipping - silt - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silt - other? -

Lead Management: low-side - buffer strip - bedload - abandoned land - parkland - MoD - Other?

Animals: otter - minnow - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/amphibians

Other significant observations: **Site is a good example of a natural river with a high proportion of ripid-run flow.**

ALDERS (tick appropriate box(es))

Alders? None Present Extensive Damaged Alders? None Present Extensive

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2

A BACKGROUND MAP-BASED INFORMATION

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

B FIELD SURVEY DETAILS

Reference network site number: 7129
 Mid-site grid reference of network site (if different from designated location):

Grid Reference: 141372845 River: ABH... N...
 Date: 11/20/1996 Time: 11:20 Surveyor name: Accreditation code: 479

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

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

(FE single photograph: general character? No Yes (tick one box)
 and, as required, special feature? No Yes (tick one box)

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

C PREDOMINANT VALLEY FORM

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

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

D NUMBER OF RIFLES, POOLS AND POINT BARS

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

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

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

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

LEFT BANK: TICE if functional fence

Material	PS	EA	OP	CA	PA	BO	BA	LA	GA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

CHANNEL: TICE if functional fence

Material	NV	NV	PS	EA	BA	PS	BA	LA	GA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

Land use: choose one from RL, CP, OR, NL, K, TR, RP, RL, RL, OR, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK TOP (structure within 1m) BOSC	S	U	U	S	U	S	U	S	S	S
LEFT BANK FACE (structure) BOSC	S	U	S	S	U	S	S	S	S	S
RIGHT BANK FACE (structure) BOSC	S	S	B	F	S	U	S	S	S	U
RIGHT BANK TOP (structure within 1m) BOSC	U	U	U	S	B	B	U	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	SU	SU	RP	RP	MH	MH

G PLANT GENERA - list first 5

NONE	1	1	1	1	1	1	1	1	1	1
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Fru-floating										
Amphibious										
Submerged broad-leaved										
Submersy fine-leaved										
Filamentous algae										

SITE NO. 7479 1996 RIVER HABITAT SURVEY: SPOON SWEEPUP Page 3 of 4

B LAND USE WITHIN 5m OF BANKTOP

Grassland/mixed woodland (RL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improvement/improved grass (RG)		
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Sods (SC)			Open water (OW)		
Tall herbs/semi-vegetation (TH)			Suburban/urban development (SU)		

C CHANNEL VEGETATION

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Graze			Reinforced - toe only		
Composite			Artificial two-stage		
			Punched		
			Embedded		
			Set-back embankments		

D CHANNEL VEGETATION

None	Left	Right	None	Present E (≥ 33%)
Isolated/clustered			Shading of channel	
Regularly spaced, single			Overhanging boughs	
Occasional clump			Exposed bankside roots	
Small continuous			Underwater tree roots	
Continuous			Fallen trees	
			Current woody debris	

E CHANNEL VEGETATION

None	Present E (≥ 33%)	None	Present E (≥ 33%)
Waterfall(s)		Marginal downwater	
Caricade(s)		Exposed bedrock	
Rap(s)		Exposed boulders	
Riffle(s)		Unvegetated mid-channel bar(s)	
Bank(s)		Vegetated mid-channel bar(s)	
Bank(s)		Mature island(s)	
Old(s)		Unvegetated side bar(s)	
Pool(s)		Vegetated side bar(s)	

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

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

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

LEFT BANK: TICE if functional fence

Banktop width (m)	3.0	RIGHT BANK	
Banktop height (m)	1.6	Banktop height (m)	1.1
Embedded height (m)		Water depth (m)	
		Embedded height (m)	

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

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

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

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

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

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

None Dredging Moving Weed-cutting
 Enhancement Other? Stone

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

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

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

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

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

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

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

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

Land Management: set-back - buffer strip - hardland - abandoned land - parkland - MoD - other? =

Animals: water vole - kingfisher - dipper - grey wagtail - mud snail - bream - dragonfly/damselfly

Other significant observations: 2A 2B 2C 2D 2E 2F 2G 2H 2I 2J 2K 2L 2M 2N 2O 2P 2Q 2R 2S 2T 2U 2V 2W 2X 2Y 2Z

L ALDELS (tick appropriate box(es))

Aldeys: None Present Extensive Discard Aldeys: None Present Extensive

BACKGROUND MAP-BASED INFORMATION

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

FIELD SURVEY DETAILS

Reference network site number: 2130
 Mid-site grid reference of network site if different from designated location: _____

Grid Reference: M464250 River: Ochlocknee River
 Date: 2/5/1996 Time: 1:00 Surveyor name: J.J.L. Accreditation code: PF43

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

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

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

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

PREDOMINANT VALLEY FORM (tick one box only)

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

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

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

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

SI: COMPLETED FORMS NEEDLE plus all master templates and exposure chains TO
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEEL, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY FORM (DIMENSIONS AND RIVER QUANTITIES) Page 2 of 4

TALLY (one pt) for - Riffles 11 Pools 1 Unveg. side bars 1 Veg point bars 1

B - PHYSICAL ATTRIBUTES (to be assessed across channel - unless in side channel) - use only one

Spot check 1 in upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK (tick one box only)	NV	NV	CC	EA	OO	OS	OE	CE	OE	CF
Material <input checked="" type="checkbox"/> MUD/CLAY/SILT/SLT <input type="checkbox"/> SAND/GR/S/ST <input type="checkbox"/> ROCK/BLK/BLK/BLK	NO	NO	RS	NO	NO	NO	NO	NO	NO	NO
Bank modification(s) <input checked="" type="checkbox"/> REPAIR/CONCRETE <input type="checkbox"/> OTHER	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input checked="" type="checkbox"/> POLE/POST/PILE <input type="checkbox"/> OTHER	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL (tick one box only)	NV	NV	CC	BO	BO	BE	BE	BE	BE	BE
Channel substrate <input checked="" type="checkbox"/> MUD/CLAY/SILT/SLT <input type="checkbox"/> SAND/GR/S/ST <input type="checkbox"/> ROCK/BLK/BLK/BLK	NV	NV	IR	IR	IR	IR	IR	IR	IR	IR
Channel modification(s) <input checked="" type="checkbox"/> REPAIR/CONCRETE <input type="checkbox"/> OTHER	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <input checked="" type="checkbox"/> POLE/POST/PILE <input type="checkbox"/> OTHER	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (tick one box only)	CO	RR	CC	RR	EA	GA	BE	BE	BE	BE
Material <input checked="" type="checkbox"/> MUD/CLAY/SILT/SLT <input type="checkbox"/> SAND/GR/S/ST <input type="checkbox"/> ROCK/BLK/BLK/BLK	NO	RE	RE	RE	NO	NO	NO	NO	NO	NO
Bank modification(s) <input checked="" type="checkbox"/> REPAIR/CONCRETE <input type="checkbox"/> OTHER	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input checked="" type="checkbox"/> POLE/POST/PILE <input type="checkbox"/> OTHER	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE WITHIN 5m OF BANKTOP (L)

	MH	VH	MH	MH	MH	MH	MH	MH	MH	MH
LEFT BANK-TOP (structure within 1m) <input checked="" type="checkbox"/> NONE <input type="checkbox"/> OTHER	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <input checked="" type="checkbox"/> NONE <input type="checkbox"/> OTHER	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) <input checked="" type="checkbox"/> NONE <input type="checkbox"/> OTHER	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) <input checked="" type="checkbox"/> NONE <input type="checkbox"/> OTHER	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH

PLANT GENERA - list first 3

NONE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/lichens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emerg broad-leaved herbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emerg reeds/sedges/grasses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating-leaved (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerg fan-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NO. 2130

	L	R		L	R
Unflooded woodland (UL)			Rough pasture (RP)		
Open plantation (OP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tidal land (TL)		
Marsh/flush (MZ)	E	E	Wetland (eg bog, marsh, fen) (WL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PO			Open water (OW)		
Urban/road vegetation (TV)			Bibb/urban development (BU)		

NATURAL/ARTIFICIAL BANK

	L	R	Artificial/modified	L	R
Unreinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input type="checkbox"/>	<input type="checkbox"/>
1-4 toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input type="checkbox"/>
Deep (>45)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Grade	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
no			Artificial two-stage		
			Purched		
			Embarked		
			Set-back embankment		

TREES (tick one box per bank)

Name	Left	Right	Shading of channel	None	Percent E (2-15%)
Bolus/cattail	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging branches	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clump	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scal continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Coastal	<input type="checkbox"/>	<input type="checkbox"/>	Cover woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

Name	Present E	Percent E (2-15%)
Marginal deadwood	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

WATERBODIES

Name	Present E	Percent E (2-15%)
Water(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cave(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

to predominant flow sequence (select up to three features): Reg 1 Run

MEASUREMENTS AND DIMENSIONS (INDICATE DIMENSIONS)

LEFT BANK	Banktop width (m)	<u>4.5</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>4.5</u>	Banktop height (m)	<u>0.5</u>
Embarked height (m)	Water depth (m)	<u>0.45</u>	Embarked height (m)	

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

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

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

MANAGEMENT PRACTICES

None Number of Culverts = _____ Weirs = _____ Outfalls = _____
 Footbridges = _____ Roundbridges = _____ Other = _____
 Is water impounded by weirs? No Yes, < 33% of site > 33% of site

RECORDS OF RECENT MANAGEMENT (tick one box only)

None Dredging Mowing Weed cutting
 Enhancement Other? State _____

QUALITY OF CHANNEL (tick one box only)

None Waterbirds > 5m high Artificial open water Bog Other (state) _____
 Bankside channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Pile Flush

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

OTHER OBSERVATIONS

Name Giant Hogweed Himalayan Balsam Japanese Knotweed Other? North Rhododendron bushes

Major impact: bankfill - clipping - filter - average - pollution - drought - obstruction - mill - dam - road - rail industry -
 housing - quarrying - overgrazing - afforestation - fisheries management - fishing - other? -
Creation of Ash, Yoke

Lead Management: see notes - buffer strip - bankland - abandoned land - partition - MoD - other? =
Dec Fern

Animals: otter - mink - water vole - kingfisher - dipper - grey heron - wood martin - heron - dragonfly/damselfly
Red deer

Other significant observations:
... ..

ALDERS (tick appropriate box(es))

Adm? None Present Extensive Discard Adm? None Present Extensive

BACKGROUND MAP-BASED INFORMATION

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

FIELD SURVEY DETAILS

Reference network site number: 2132
 Mid-site grid reference of network site if different from designated location.

Grid Reference: NM68C834 River: U/T A116 Naga Obereca
 Date: 1.5.1996 Time: 15.40 Surveyor name: JSL Accreditation code: F94

Adverse conditions affecting survey? No Yes If yes, state

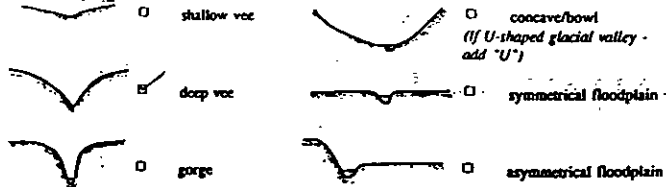
Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)

and, as required, special feature? No Yes (tick one box)

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

PREDOMINANT VALLEY FORM (tick one box only)



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

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

Riffles 16 Unvegetated point bars 0
 Pools 0 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.N. GAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAKERMAN, BH20 688

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

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK (tick if functional fence)										
Material <input type="checkbox"/> EA <input type="checkbox"/> BA <input type="checkbox"/> FA <input type="checkbox"/> EA <input type="checkbox"/> FA <input type="checkbox"/> EA <input type="checkbox"/> EA <input type="checkbox"/> EA <input type="checkbox"/> EA <input type="checkbox"/> EA	EA	BA	FA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL (tick if functional fence)										
Channel substrate <input type="checkbox"/> CO <input type="checkbox"/> SO <input type="checkbox"/> SO <input type="checkbox"/> CO <input type="checkbox"/> CO <input type="checkbox"/> CO <input type="checkbox"/> CO <input type="checkbox"/> CO <input type="checkbox"/> CO <input type="checkbox"/> CO	CO	SO	SO	CO	CO	CO	CO	CO	CO	CO
Substrate shape <input type="checkbox"/> FL <input type="checkbox"/> FL <input type="checkbox"/> FL <input type="checkbox"/> FL <input type="checkbox"/> FL <input type="checkbox"/> FL <input type="checkbox"/> FL <input type="checkbox"/> FL <input type="checkbox"/> FL <input type="checkbox"/> FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type <input type="checkbox"/> SN <input type="checkbox"/> RP <input type="checkbox"/> RP <input type="checkbox"/> RP <input type="checkbox"/> RP <input type="checkbox"/> RP <input type="checkbox"/> RP <input type="checkbox"/> RP <input type="checkbox"/> RP <input type="checkbox"/> RP	SN	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s) <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (tick if functional fence)										
Material <input type="checkbox"/> EA <input type="checkbox"/> FA <input type="checkbox"/> EA <input type="checkbox"/> EA <input type="checkbox"/> FA <input type="checkbox"/> EA <input type="checkbox"/> EA <input type="checkbox"/> EA <input type="checkbox"/> EA	EA	FA	EA	EA	FA	EA	EA	EA	EA	EA
Bank modification(s) <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO <input type="checkbox"/> NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

Land use: choose one from RL, CL, OL, MH, SC, TH, RP, AC, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	OL	OL	MH	MH	SC	SC	CL	SC	SC	SC
LEFT BANK-TOP (structure within 1m) BANKSC	S	C	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BANKSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BANKSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BANKSC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	OL	OL	MH	MH	SC	MH	MH	SC	SC	SC

G. CHANNEL VEGETATION (tick one box only)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens (terrestrial)										
Emerg broad-leaved herbs (other mosses)										
Emerg reeds/sedges/rushes (Cyper)										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fan-leaved										
Filamentous algae										

CHANNEL DIMENSIONS AND DRIFT FEATURES

Unfined woodland (UL)	E	E	Rough pasture (RP)		
Open plantation (OP)			Improved/semi-improved grass (IG)		
Overland (OR)			Tilled land (TL)		
Moorland/heath (MR)	E	E	Wetland (eg bog, marsh, fen) (WL)		
Sea (SC)	E	E	Open water (OW)		
Urban/road vegetation (UR)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vegetation	E	E	Recessional		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Site			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankments		

TRACES AND ASSOCIATED FEATURES (tick one box per band)

None	Left	Right	None	Present E (>11%)
Isolated/scattered			Shading of channel	
Regularly spaced, single			Overhanging boughs	
Occasional clumps			Exposed bankside roots	
Small continuous			Underwater tree roots	
Continuous			Fallen trees	
			Coarse woody debris	

WATERFALLS AND ASSOCIATED FEATURES (tick one box per band)

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (>11%)
Cascade(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Lift(s)			Unvegetated mid-channel bar(s)		
Isot(s)			Vegetated mid-channel bar(s)		
Isot(s)			Mature island(s)		
Slide(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

predominant flow sequence (select up to three features): R P P R R

CHANNEL DIMENSIONS AND DRIFT FEATURES

LEFT BANK	Banktop width (m)	2.1	RIGHT BANK	Banktop width (m)	2.1
Banktop height (m)	0.4	Water width (m)	2.0	Banktop height (m)	0.4
Embanked height (m)		Water depth (m)	0.5	Embanked height (m)	

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

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

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

NATURAL FEATURES

None Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges =
 Is water impounded by weirs/dams? No Yes, <11% of site >11% of site

EVIDENCE OF BANK EROSION/DEVELOPMENT

None Dredging Mowing Wood cutting
 Enhancement Other? State: Tree planting

FEATURES OF SPECIAL INTEREST (tick one box per band)

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

IS 11% OR MORE OF THE CHANNEL CHOKED WITH VEGETATION? NO YES

RECORD OF VEGETATION SPECIES (tick one box per band)

None Giant Hogweed Hamamelis Virginica Japanese Knotweed Other? (tick one box per band)

MAJOR IMPACTS (tick one box per band)

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

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

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

Other significant observations: did not see tree planting

ALDERS (tick appropriate box(es))

Alders: None Present Extensive Disused Alders: None Present Extensive

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

A. BACKGROUND MAP-BASED INFORMATION

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

B. FIELD SURVEY DETAILS

Reference network site number: 2133
 Mid-site grid reference of network site if different from designated location: _____

Grid Reference: N1761345 River: R. Evelik
 Date: 1.5.1996 Time: 17:00 Surveyor name: J.L.L. Accreditation code: PF43

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

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

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

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

C. PREDOMINANT VALLEY FORM (tick one box only)

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

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

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

Riffles 10 Unvegetated point bars 1
 Pools 0 Vegetated point bars 1

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

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

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

Spot check 1 to 10 upstream downstream

LEFT BANK	TICK if functional fence									
Material (W, B, CO, CS, CL, P, G, L, C, S, F, M, D, H, B, V)	FA	GS	RL	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M, P, AS, R, PC, BM, EH)	NO	NO	NI	NI	NO	NO	NO	NO	NO	NO
Bank feature(s) (W, M, EC, SC, P, F, S, V, S)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL	TICK if functional fence									
Channel substrate (W, B, CO, CS, CL, P, G, L, C, S, F, M, D, H, B, V)	CO	CO	NI	GP	CO	NI	CO	GP	GP	CO
Substrate shape (FL, OV, CL, SF, CV, PO, H, OH, M, H)	CO	CU	H	OV	OV	NI	NI	FL	OV	CO
Flow type (FL, OH, BV, M, CF, SF, UP, SM, M, NO)	UN	NI	RP	RP	UN	SM	RL	RP	RP	UN
Channel modification(s) (M, P, AS, R, PC, BM, EH)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (W, M, EC, SC, P, F, S, V, S)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	TICK if functional fence									
Material (W, B, CO, CS, CL, P, G, L, C, S, F, M, D, H, B, V)	GS	GS	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M, P, AS, R, PC, BM, EH)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (W, M, EC, SC, P, F, S, V, S)	SC	SC	NO	NO	NO	NO	NO	NO	NO	NO

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

Land use: choose one from (L, CP, OR, NY, SC, TH, RP, SC, FL, WL, OV, SU)

LAND USE WITHIN 5m OF BANKTOP (L)	RL	RL	TH	RL	TE	TC	BC	BL	BL	BL
LEFT BANK TOP (structure within 1m) BAUSC	S	S	S	S	U	U	S	S	S	S
LEFT BANK FACE (structure) BAUSC	U	U	B	S	S	B	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	S	U	S	S	S	B	S	S	S	S
RIGHT BANK TOP (structure within 1m) BAUSC	S	S	S	U	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (L)	RL	RL	TH	RL	TE	TC	BC	BL	BL	BL

G. CHANNEL VEGETATION TYPES (tick one box only)

NONE PLANT GENERA - list first 5

Bryophytes/lichens	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emerg broad-leaved herbs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emerg reeds/ragrasses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flowering-leaved (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerg flag/linear-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SITE NO. 2133

H. CHANNEL DIMENSIONS AND VEGETATION

Banktop width (m)	6.0	RIGHT BANK	
Banktop height (m)	0.5	Water width (m)	6.0
Embanked height (m)		Banktop height (m)	0.5
		Water depth (m)	0.25
		Embanked height (m)	

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

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

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

I. CHANNEL VEGETATION

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

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

J. EVIDENCE OF BENTHIC MANAGEMENT

None Dredging Moving Wood cutting
 Embankment Other? State _____

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

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

L. CHANNEL CHANNEL (tick one box)

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

M. CHANNEL VEGETATION SPECIES (tick appropriate box(es))

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

N. MAJOR IMPACTS

landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - sludge - other? _____

Land Management: set-aside - buffer strip - hedland - abandoned land - parkland - MoD - other? _____

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

Other significant observations: _____

O. ALDERS (tick appropriate box(es))

Alders? None Present Extensive Disjunct Alders? None Present Extensive

SITE NO. 2133

P. CHANNEL VEGETATION

Channel/riparian vegetation	L	R	Artificial/modified	L	R
Bracken/maize 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)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Open water (OW)		
Tall herbs/maize vegetation (TH)			Suburban/urban development (SU)		

Q. ASSOCIATED FEATURES (tick one box per feature)

Channel/riparian vegetation	L	R	Artificial/modified	L	R
Vertical undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Slope (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Preached	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set-back embankments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

R. TREES (tick one box per bank)

Channel/riparian vegetation	Left	Right	Associated Features	None	Present E (2/3%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scal continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cornu woody debris	<input type="checkbox"/>	<input type="checkbox"/>

S. CHANNEL VEGETATION

Channel/riparian vegetation	None	Present E (2/3%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

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

BACKGROUND MAP-BASED INFORMATION

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

FIELD SURVEY DETAILS

Reference network site number: 214

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

Grid Reference: NH360723 River: Abhainn Srath A Bhaigh

Date: 15/11/1996 Time: 3:07 Surveyor name: DUMAN Accreditation code: EF27

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

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

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

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

PREDOMINANT VALLEY FORM (tick one box only)

<input type="checkbox"/> shallow vee	<input checked="" type="checkbox"/> concave/bowl (if U-shaped glacial valley - add 'U')
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain

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

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

Rifles	<u>8</u>	Unvegetated point bars	<u>0</u>
Pools	<u>0</u>	Vegetated point bars	<u>0</u>

COMPLETED FORMS WEEKLY plus all water samples and expenses claim to
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STICKS, WARRIAM, BN20 6BB

NO. 214

	L	R		L	R
Unthatched woodland (UW)			Rough pasture (RP)	E	E
Cross grassland (CG)			Improved/semi-improved grass (IG)		
Orchard (O)			Tilled land (TL)		
Moorland/bush (MB)			Wetland (eg bog, marsh, fen) (WL)		
SO			Open water (OW)		
Tree and vegetation (TV)			Suburban/urban development (SU)		

VEGETATION

	L	R	Artificial/modified	L	R
N Unmodified			Excavated		
V Unweeded			Reinforced - whole bank		
V L + tree			Reinforced - top only		
Shrub (>45°)			Reinforced - toe only		
C Site			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankment		

LOOKING FOR TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	ASSOCIATED FEATURES (tick one box per feature)
None <input type="checkbox"/>	Shading of channel <input type="checkbox"/>
Isolated/cattered <input type="checkbox"/>	Overhanging boughs <input type="checkbox"/>
Regularly spaced, single <input type="checkbox"/>	Exposed bankside roots <input type="checkbox"/>
Occasional clumps <input type="checkbox"/>	Underwater tree roots <input type="checkbox"/>
Small continuous <input type="checkbox"/>	Fallen trees <input type="checkbox"/>
Continuous <input type="checkbox"/>	Covers muddy debris <input type="checkbox"/>

LOOKING FOR VEGETATION FEATURES

None	Low	High	None	Percent E (>11%)
Wetland(s) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater <input type="checkbox"/>	<input type="checkbox"/>
Caulcoid(s) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock <input type="checkbox"/>	<input type="checkbox"/>
Rapid(s) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders <input type="checkbox"/>	<input type="checkbox"/>
Riffle(s) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s) <input type="checkbox"/>	<input type="checkbox"/>
Rune(s) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s) <input type="checkbox"/>	<input type="checkbox"/>
Bank(s) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s) <input type="checkbox"/>	<input type="checkbox"/>
Glide(s) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s) <input type="checkbox"/>	<input type="checkbox"/>
Pool(s) <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s) <input type="checkbox"/>	<input type="checkbox"/>

predominant flow sequence (select up to three features): riffle - run

1996 RIVER HABITAT SURVEY (FOR SPOT CHECKS) Page 2 of 4

FALLY (see PD) for Riffles 1111 Points Using side bars Yes point bars

GENERAL ATTRIBUTES (to be printed across channel) (width of 1m wide) (features) = none, only 10'

Type check (1) upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK: Material <input type="checkbox"/> WEALD <input type="checkbox"/> DELIA <input type="checkbox"/> PLEL <input type="checkbox"/> W. DELIA <input type="checkbox"/> EA	GP	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) WEALD <input type="checkbox"/> DELIA <input type="checkbox"/> PLEL <input type="checkbox"/> W. DELIA <input type="checkbox"/>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) WEALD <input type="checkbox"/> DELIA <input type="checkbox"/> PLEL <input type="checkbox"/> W. DELIA <input type="checkbox"/>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate WEALD <input type="checkbox"/> DELIA <input type="checkbox"/> PLEL <input type="checkbox"/> W. DELIA <input type="checkbox"/>	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape WEALD <input type="checkbox"/> DELIA <input type="checkbox"/> PLEL <input type="checkbox"/> W. DELIA <input type="checkbox"/>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type WEALD <input type="checkbox"/> DELIA <input type="checkbox"/> PLEL <input type="checkbox"/> W. DELIA <input type="checkbox"/>	SM	RP	RP	RP	SM	SM	RP	SM	RP	SM
Channel modification(s) WEALD <input type="checkbox"/> DELIA <input type="checkbox"/> PLEL <input type="checkbox"/> W. DELIA <input type="checkbox"/>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) WEALD <input type="checkbox"/> DELIA <input type="checkbox"/> PLEL <input type="checkbox"/> W. DELIA <input type="checkbox"/>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: Material <input type="checkbox"/> WEALD <input type="checkbox"/> DELIA <input type="checkbox"/> PLEL <input type="checkbox"/> W. DELIA <input type="checkbox"/>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) WEALD <input type="checkbox"/> DELIA <input type="checkbox"/> PLEL <input type="checkbox"/> W. DELIA <input type="checkbox"/>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) WEALD <input type="checkbox"/> DELIA <input type="checkbox"/> PLEL <input type="checkbox"/> W. DELIA <input type="checkbox"/>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

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

Land use: choose one from EL, CP, OR, HR, SC, FR, RP, CO, FL, WL, OW, DZ

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

PLANT GENERA (tick one box)

NONE	/ PLANT GENERA - list Gen 5									
Bryophytes/lichens	<u>11</u>		E	✓	E	✓	✓			E
Emergent broad-leaved herbs										
Emergent rush/sedge/grasses										
Flooding forest (rooted)										
Free-floating										
Amphiphiles	<u>11</u>									
Submerged broad-leaved	<u>11</u>			✓	✓	✓	✓			✓
Submerged fine-leaved	<u>11</u>		✓	✓	E	✓	E	E	E	✓
Filamentous algae			✓	E	E	E	E	E	E	E

1996 RIVER HABITAT SURVEY (FOR SPOT CHECKS) Page 3 of 4

EXACT MEASUREMENTS

LEFT BANK	Banktop width (m)	<u>11.5</u>	RIGHT BANK	
	Banktop height (m)	<u>0.5</u>		
	Water width (m)	<u>13.5</u>		
	Banking height (m) °	<u>0.6</u>		
	Embanked height (m)	<u>X</u>		
	Water depth (m)	<u>0.1</u>		
	Embanked height (m)	<u>X</u>		

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

Bed material at site is: coarse/medium (compact) unconsolidated (loose) silt

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

WATER QUALITY

None Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Feederbridges = 0 Other = 0

Is water impounded by weirs? No Yes, <13% of site >13% of site

EVIDENCE OF ACTIVE MANAGEMENT

None Dredging Mowing Weed-cutting
Enhancement Other? State:

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

None <input type="checkbox"/>	Wetlands > 5m high <input type="checkbox"/>	Artificial open water <input type="checkbox"/>	Bog <input type="checkbox"/>	Other (state):
	Bankside/creek channels <input type="checkbox"/>	Natural open water <input checked="" type="checkbox"/>	Cart <input type="checkbox"/>	
	Debris dams <input type="checkbox"/>	Water meadow <input type="checkbox"/>	Marsh <input checked="" type="checkbox"/>	
	Loose debris <input type="checkbox"/>	Pool <input type="checkbox"/>	Flash <input type="checkbox"/>	

CHOSED CHANNEL

Is 13% or more of the channel choked with vegetation? NO YES

NOTICE OF SPECIAL INTEREST

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

MAJOR IMPACTS: banktop - tipping - litter - sewage - pollution - drought - obstruction - spill - dam - road - rail - industry - housing - mining - quarrying - overdraining - afforestation - fisheries management - silting - other? =

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

Animals: other - mist - water vole - kingfisher - dipper - grey seal - road marten - heron - dragonfly/damselfly

Other significant observations: willow debris on beginning of site - not all willow - some silt
deposited debris no. of plants, mostly willow - not all willow

ALDERS (tick appropriate box(es))

Address: None Present Extensive Dispersed Address: None Present Extensive

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

TALLY (use 0/1 for Riffles, 1/2 for Pools) Use neg. side turn Veg point turn

B. PHYSICAL ATTRIBUTES (to be measured across channel within 1 m wide transects) - one entry only

Spot check 1 is upstream downstream

LEFT BANK CHECK (tick if functional)	1	2	3	4	5	6	7	8	9	10
Material (W, M, R, CO, CL, S, PL, C, CC, SP, W, CA, B, M, P, V)	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s) (M, P, R, S, L, F, C, B, M, P, V)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M, P, R, S, L, F, C, B, M, P, V)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL CHARACTERISTICS										
Channel substrate (W, M, R, CO, CL, S, PL, C, CC, SP, W, CA, B, M, P, V)	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Substrate shape (FL, OV, CL, SP, CO, PL, C, CC, SP, W, CA, B, M, P, V)	OT	OT	OT	OT	OT	OT	OT	OT	OT	OT
Flow type (FF, UP, BW, RP, RL, CE, KR, PP, RP, CR)	FF	UP	BW	RP	RL	CE	KR	PP	RP	CR
Channel modification(s) (M, P, R, S, L, F, C, B, M, P, V)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (M, P, R, S, L, F, C, B, M, P, V)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK CHECK (tick if functional)										
Material (W, M, R, CO, CL, S, PL, C, CC, SP, W, CA, B, M, P, V)	BO	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s) (M, P, R, S, L, F, C, B, M, P, V)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M, P, R, S, L, F, C, B, M, P, V)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
LAND USE WITHIN 5m OF BANKTOP (L)	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH
LEFT BANK-TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH
Algae										
Emergent broad-leaved herbs										
Emergent narrow-leaved herbs										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fan-linear-leaved										
Filamentous algae										

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

TALLY (use 0/1 for Riffles, 1/2 for Pools) Use neg. side turn Veg point turn

B. PHYSICAL ATTRIBUTES (to be measured across channel within 1 m wide transects) - one entry only

Spot check 1 is upstream downstream

LEFT BANK CHECK (tick if functional)	1	2	3	4	5	6	7	8	9	10
Material (W, M, R, CO, CL, S, PL, C, CC, SP, W, CA, B, M, P, V)	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s) (M, P, R, S, L, F, C, B, M, P, V)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M, P, R, S, L, F, C, B, M, P, V)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL CHARACTERISTICS										
Channel substrate (W, M, R, CO, CL, S, PL, C, CC, SP, W, CA, B, M, P, V)	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Substrate shape (FL, OV, CL, SP, CO, PL, C, CC, SP, W, CA, B, M, P, V)	OT	OT	OT	OT	OT	OT	OT	OT	OT	OT
Flow type (FF, UP, BW, RP, RL, CE, KR, PP, RP, CR)	FF	UP	BW	RP	RL	CE	KR	PP	RP	CR
Channel modification(s) (M, P, R, S, L, F, C, B, M, P, V)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (M, P, R, S, L, F, C, B, M, P, V)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK CHECK (tick if functional)										
Material (W, M, R, CO, CL, S, PL, C, CC, SP, W, CA, B, M, P, V)	BO	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s) (M, P, R, S, L, F, C, B, M, P, V)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M, P, R, S, L, F, C, B, M, P, V)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
LAND USE WITHIN 5m OF BANKTOP (L)	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH
LEFT BANK-TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BAUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH
Algae										
Emergent broad-leaved herbs										
Emergent narrow-leaved herbs										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fan-linear-leaved										
Filamentous algae										

1996 RIVER HABITAT SURVEY: DIMENSIONS AND VEGETATION

VEGETATION DIMENSIONS

LEFT BANK	Banktop width (m)	4.0	RIGHT BANK	Banktop width (m)	4.0
Banktop height (m)	0.6	Water width (m)	4.0	Banktop height (m)	0.6
Embankment height (m)	X	Water depth (m)	0.3	Embankment height (m)	X

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

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

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

VEGETATION PATTERNS

None Number of Culverts = 0 Weirs = 1 Roadbridges = 1 Outfalls = 1 Fords = 1

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

EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Wood-cutting Enhancement Other? State _____

CHARACTERISTICS OF SPECIAL INTEREST

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

Braided/side channels Natural open water Carr

Debris dams Water meadow Marsh

Leafy debris Fox Flash

POOLED CHANNEL (tick one box)

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

GENERAL RIVER CHANNEL CHARACTERISTICS

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

Major impacts: bankfill - clipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? = _____

Land Management: wet-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = _____

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

Other significant observations: _____

S. ALDERS (tick appropriate box(es))

Alders? None Present Extensive Decayed Alders? None Present Extensive

1996 RIVER HABITAT SURVEY: DIMENSIONS AND VEGETATION

VEGETATION DIMENSIONS

LEFT BANK	Banktop width (m)	4.0	RIGHT BANK	Banktop width (m)	4.0
Banktop height (m)	0.6	Water width (m)	4.0	Banktop height (m)	0.6
Embankment height (m)	X	Water depth (m)	0.3	Embankment height (m)	X

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

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

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

VEGETATION PATTERNS

None Number of Culverts = 0 Weirs = 1 Roadbridges = 1 Outfalls = 1 Fords = 1

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

EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Wood-cutting Enhancement Other? State _____

CHARACTERISTICS OF SPECIAL INTEREST

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

Braided/side channels Natural open water Carr

Debris dams Water meadow Marsh

Leafy debris Fox Flash

POOLED CHANNEL (tick one box)

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

GENERAL RIVER CHANNEL CHARACTERISTICS

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

Major impacts: bankfill - clipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? = _____

Land Management: wet-aside - buffer strip - headland - abandoned land - parkland - MoD - other? = _____

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

Other significant observations: _____

S. ALDERS (tick appropriate box(es))

Alders? None Present Extensive Decayed Alders? None Present Extensive

BACKGROUND MALE-BASED INFORMATION

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

FIELD SURVEY DETAILS

Reference network site number: 2143
 Mid-site grid reference of network site if different from designated location:

Grid Reference: NH504 111 River: Uf Clackwater
 Date: 2/5/1996 Time: 08:05 Surveyor name: JSL Accreditation code: PFA3
 Adverse conditions affecting survey? No Yes If yes, state:
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)
 Size surveyed from: left bank right bank channel (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

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

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

NUMBER OF RIPARIAN POOLS AND UNVEGETATED POINT BARS (allocate total of 100)

Riffles: 3 Unvegetated point bars: 0
 Pools: 2 Vegetated point bars: 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims to
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WALKERAN, BH70 6BE

TALLY (see PD) for - Riffles || Pools Unveg. side bars Veg point bars

G. PHYSICAL ATTRIBUTES (to be addressed across channel within 2.5m width transect) (tick one entry only)

Spot chart 1 m upstream downstream

LEFT BANK	TICK if functional fence	1	2	3	4	5	6	7	8	9	10
Material W, M, B, CO, CL, A, P, L, C, S, F, W, C, M, H, R, P, V	EA, CB, CO, CD, OD, OS, RO, CO, EA, EA										
Bank modification(s) H, P, D, E, L, F, C, M, J, N	NB, NB, NB, NB, NB, NB, NB, NB, NB, NB, NB, NB										
Bank feature(s) H, P, D, E, L, F, C, M, J, N	NO, NB, NB, NB, NB, NB, NB, NB, NB, NB, NB, NB										

CHANNEL (NEW channel or old channel) (tick one entry only)

Channel substrate: W, M, B, CO, CL, A, P, L, C, S, F, W, C, M, H, R, P, V
 Substrate shape: F, L, P, E, L, C, U, P, M, H, R, P, V
 Plan view: H, P, D, E, L, F, C, M, J, N
 Channel modification(s): H, P, D, E, L, F, C, M, J, N
 Channel feature(s): H, P, D, E, L, F, C, M, J, N

RIGHT BANK TICK if functional fence

Material W, M, B, CO, CL, A, P, L, C, S, F, W, C, M, H, R, P, V	EA, CB, CO, CD, OD, OS, RO, CO, EA, EA										
Bank modification(s) H, P, D, E, L, F, C, M, J, N	NB, NB, NB, NB, NB, NB, NB, NB, NB, NB, NB, NB										
Bank feature(s) H, P, D, E, L, F, C, M, J, N	NO, NB, NB, NB, NB, NB, NB, NB, NB, NB, NB, NB										

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

Land use: choose one from B, C, O, R, H, S, T, U, V, W, X, Y, Z

LAND USE WITHIN 5m OF BANKTOP (L)	TM	CAH	VMA	M	MM	FA	FAH	CAH	MAH	PAH
LEFT BANK-TOP (structure within 1m) B, M, S, C	U	U	B	S	U	U	U	U	U	U
LEFT BANK FACE (structure) B, M, S, C	B	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) B, M, S, C	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) B, M, S, C	S	U	U	U	U	U	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP

Q. CHANNEL VEGETATION (tick one entry only)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens	1	E	E	✓	E	E	E	✓	E	✓	✓
Emergent broad-leaved herbs	1										
Emergent reed/sedge/cyperus	1			✓							✓
Floating-leaved (rooted)	1										
Free-floating	1										
Amphibious	1			✓					✓		
Submerged broad-leaved	1										
Submersy free-floating	1										
Plumose algae	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

NO. 2143

	L	R		L	R
Overlain woodland (OL)			Rough pasture (RP)		
Forest plantation (FP)	E	E	Improved/improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)	E	E	Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)			Open water (OW)		
Urban/suburban development (SD)			Suburban/urban development (SU)	E	E

NATURAL/ARTIFICIAL

Natural/semi-natural	L	R	Artificial/modified	L	R
un/wooded	✓	✓	Recessed		
of + tree			Reinforced - whole bank	✓	✓
Steep (> 45°)			Reinforced - top only		
Grate			Reinforced - toe only		
side			Artificial two-stage		
			Prochord		
			Embankment		
			Set-back embankment		

TREES (tick one box per bank)

None	Left	Right	Shading of channel	None	Percent E (2, 11%)
Isolated/scattered	✓		Overhanging boughs	✓	
Regularly spaced, single			Exposed buttress roots	✓	
Occasional clumps			Underwater tree roots	✓	
Small continuous			Pollen trees	✓	
Continuous			Coarse woody debris	✓	

ASSOCIATED FEATURES (tick one box per feature)

None	Left	Right	None	Percent E (2, 11%)	
Marginal disturbance	✓		Exposed bedrock	✓	
Exposed bedrock			Exposed boulders	✓	
Unvegetated mid channel bar(s)	✓		Unvegetated mid channel bar(s)	✓	
Vegetated mid channel bar(s)	✓		Mature ulmus(s)	✓	
Unvegetated side bar(s)	✓		Unvegetated side bar(s)	✓	
Vegetated side bar(s)	✓		Vegetated side bar(s)	✓	

MAJOR IMPACTS (tick appropriate box(es))

Land Management: set-back - buffer strip - broadbed - abandoned land - partial - MoD - other? =
 Animals: other - milk - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: CP (red) (red) S... ..

5 ALDERS (tick appropriate box(es))

Alder's Name Present Extensive Dispersed Alder's Name Present Extensive

1996 RIVER HABITAT SURVEY: DIMENSIONS AND MEASUREMENTS

LEFT BANK	Banktop width (m)	1-2.5	RIGHT BANK	
Banktop height (m)	Water width (m)	1-2.5	Banktop height (m)	0.25
Embankment height (m)	Water depth (m)	0-2	Embankment height (m)	

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

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

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

WATER MANAGEMENT

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

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

EVIDENCE OF RIVER MANAGEMENT

None Dredging Mowing Weed-cutting
 Embankment Other? Date: 1996

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

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

CHOKED CHANNEL

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

NON-TREE STANDS

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

MAJOR IMPACTS (tick appropriate box(es))

Land Management: set-back - buffer strip - broadbed - abandoned land - partial - MoD - other? =
 Animals: other - milk - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: CP (red) (red) S... ..

5 ALDERS (tick appropriate box(es))

Alder's Name Present Extensive Dispersed Alder's Name Present Extensive

1996 RIVER HABITAT SURVEY: TUBE MODS FOR PLANT GENERA AND FEASIBILITY Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

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

B FIELD SURVEY DETAILS

Reference network site number: **Z144**
 Mid-site grid reference of network site if different from designated location:

Grid Reference: **NHG71373** River: **San Joaquin River**
 Date: **2/15/1996** Time: **11:44** Surveyor name: **JSL** Accreditation code: **022**

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

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

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

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

C PREDOMINANT VALLEY FORM (tick one box only)

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

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

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

Rifles Unvegetated point bars **4**
 Pools Vegetated point bars **3**

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

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

TALLY (use only for Riffles **WT HH**) Ponds Overgrazed bars Use point bars

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

Spot check 1 is upstream downstream

LEFT BANK	1	2	3	4	5	6	7	8	9	10
Material (M, N, O, C, G, E, A, P, K, L, D, F, W, G, S, B, R, H, J, I, C, L, A, M, E, N)	CO	GB	GS	EA	FA	GS	EA	GS	GS	GS
Bank modification(s)	BU	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SB	SB	PS	NO	NO	NO	NO	NO	NO	NO

CHANNEL (NEW CHANNELS TO BE ASSESSED ONLY IN 10m WIDE TRANSECTS)

Channel substrate (S, M, N, O, C, G, E, A, P, K, L, D, F, W, G, S, B, R, H, J, I, C, L, A, M, E, N)

Channel substrate	CO	GP	GP	GP	GP	GP	GP	CO	CL	GP
Substrate shape (FL, OF, EL, EP, CU, PO, R, D, W, Y, M)	FL	FR	FL	CU	EL	FR	FR	FR	FR	FR
Flow type (FL, OF, EL, EP, CU, PO, R, D, W, Y, M)	U/I	U/I	RP	U/I	U/I	RP	RP	RP	RP	RP

Channel modification(s) NO NO NO NO NO NO NO NO NO NO NO
 Channel feature(s) NO NO NO NO NO NO NO NO NO NO NO

RIGHT BANK (TICK IF FUNCTIONAL FEAT)

Material	GS	GS	GS	GS	GS	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	PS	SC	PS	PS	NO	NO	NO	NO	NO	NO

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

Land use: choose one from (L, O, M, S, H, R, G, P, R, W, O, V, U)

LAND USE WITHIN 5m OF BANKTOP (L)	MM	MA	MA	RP	RP	RP	RP	RP	RP	RP
LEFT BANK TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	E	S	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	G	B	G	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	MM	MA	MA	RP	RP	RP	RP	RP	RP	RP

G CHANNEL VEGETATION TYPES (tick all that apply)

NONE / PLANT GENERA - list first 5

None	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Amygdalium										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Flowering leaved (rooted)										
Free-floating										
Ambitious										
Submerged broad-leaved										
Submersive fine/linear leaved										
Filamentous algae										

SITE NO. Z144

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

VEGETATION CHARACTERISTICS

Neutral/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut			Recessed		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Patched		
			Embanked		
			Self-back embankment		

I PRESENTATION OF TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥11%)
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unshaded/unshaded	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scam continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Close woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

J OTHER FEATURES

	None	Present E (≥11%)
Waterfall(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Caecid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rune(s)	<input type="checkbox"/>	<input type="checkbox"/>
Beil(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

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

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCE Page 2 of 2

K CHANNEL DIMENSIONS AND INFLUENCE

LEFT BANK	Banktop width (m)	4.75	RIGHT BANK
Banktop height (m)	0.5	Water width (m)	4.75
Embanked height (m)		Water depth (m)	0.5
Banktop height (m)		Banktop height (m)	

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

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

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

L PHYSICAL ATTRIBUTES

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

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

M EVIDENCE OF RECENT MANAGEMENT INTERVENTIONS

None Dredging Mowing Weed cutting
 Enhancement Other? State:

N RESULTS OF SPECIALTY TESTS (tick appropriate box(es))

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

O CROOKED CHANNELS

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

P CHANNEL VEGETATION RELATIONSHIPS

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Name: Rhododendron brachylobos

Q OVERLOOKS AND OBSTRUCTIONS

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

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? =

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

Other significant observations:
 Mowing many point bars evidence little through
 CP with large buffer strip (from 50m)

S ALDERS (tick appropriate box(es))

Alders? None Present Extensive Overmud Alders? None Present Extensive

1996 RIVER HABITAT SURVEY (with USE tools for plant covers and channel) Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

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

FIELD SURVEY DETAILS

Reference network site number: 2192

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

Grid Reference: NG16485 River: Hammers River

Date: 3/5/1996 Time: 12.00 Surveyor name: JJL Accreditation code: PF43

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

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

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

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

PREDOMINANT VALLEY FORM (tick one box only)

<input type="checkbox"/> shallow vee	<input checked="" type="checkbox"/> concave/bowl (if U-shaped glacial valley - add "U")
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain

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

D NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box only)

Rifles <u>9</u>	Unvegetated point bars <u>3</u>
Pools <u>2</u>	Vegetated point bars <u>0</u>

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
P.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARREN, BN20 6BB

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

FULLY (see PD) for: 10/10/96 Pools: 11 Unveg. side bars: 11 Veg point bars: 11

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

Spot check 1 m upstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK (TICK if functional feature)										
Material <u>FA, CE, SA, CA, EA, SA, EA, EA, EA, EA</u>	EA	CE	SA	CA	EA	SA	EA	EA	EA	EA
Bank modification(s) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL - SNEV										
Channel substrate <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Substrate slope <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (TICK if functional feature)										
Material <u>FA, CE, SA, CA, EA, SA, EA, SA, EA, EA</u>	FA	CE	SA	CA	EA	SA	EA	EA	EA	EA
Bank modification(s) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

C. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed every 10m wide transect)

Land use: choose one from EL, CP, OR, NR, SC, TR, FC, FL, PL, DR, BI

LAND USE WITHIN 5m OF BANKTOP (L)	EL	CP	OR	NR	SC	TR	FC	FL	PL	DR	BI
LEFT BANK-TOP (structure within 1m) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	C	S	C	N	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	U	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) <u>NO, NO, NO, NO, NO, NO, NO, NO, NO, NO</u>	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	EL	CP	OR	NR	SC	TR	FC	FL	PL	DR	BI

D. CHANNEL VEGETATION (TICK ONE BOX ONLY)

None											
Bryophytes/lichens											
Emergent broad-leaved herbs											
Emergent rush/sedge/grasses											
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine-linear stem											
Filamentous algae											

NO. 2192

submerged woodland (SU)			Rough pasture (RP)			E	E
tree plantation (TP)			improved/mixed-improved grass (IG)			E	E
woodland (TW)			Tidal land (TL)				
Marshland (M)			Wetland (eg bog, marsh, fen) (W)				
Open water (OW)			Open water (OW)				
Urban/road vegetation (UR)			Suburban/urban development (SU)				

Channel/feature (tick one box)

L	R	Artificial/modified	L	R
1	2	Reinforced		
3	4	Reinforced - whole bank		
5	6	Reinforced - top only		
7	8	Reinforced - toe only		
9	10	Artificial two-stage		
11	12	Pitched		
13	14	Embanked		
15	16	Set back embankments		

F. CHANNEL VEGETATION (TICK ONE BOX PER FEATURE)

None	Left	Right	None	Present	E (2/11%)
Shading of channel					
Overhanging banks					
Exposed bankside roots					
Underwater tree roots					
Floating trees					
Coarse woody debris					

G. CHANNEL VEGETATION (TICK ONE BOX PER FEATURE)

None	Present	None	Present	E (2/11%)
Marginal dead-water				
Exposed bedrock				
Exposed boulders				
Unvegetated mid channel bar(s)				
Vegetated mid channel bar(s)				
Mature island(s)				
Unvegetated side bar(s)				
Vegetated side bar(s)				

H. PREDOMINANT FLOW SEQUENCE (select up to three features): Acacia/Riparian

1996 RIVER HABITAT SURVEY: DIMENSIONS AND FEATURES

LEFT BANK	Banktop width (m)	<u>8.0</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>8.0</u>	Banktop height (m)	<u>0.7</u>
Embankment height (m)	Water depth (m)	<u>0.15</u>	Embankment height (m)	

If waterline lower than banktop break in slope, indicate: height (m) = 0.15 width (m) = 0.15

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

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

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

None Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
Bridges = 0 Other = 0

Is water impounded by weir/culvert? No Yes, < 31% of site > 31% of site

C. EVIDENCE OF RECENT MANAGEMENT (tick one box only)

None Dredging Mowing Weed cutting
Enhancement Other? State: None

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

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

E. CROOKED CHANNEL

Is 31% or more of the channel choked with vegetation? NO YES

F. CHANNEL VEGETATION (TICK ONE BOX ONLY)

None Giant Hogweed Mimulus Bicolor Japanese Knotweed Other? Note Rhynchospora frutescens

G. CHANNEL VEGETATION (TICK ONE BOX ONLY)

Major impacts: bankfill - sipping - filter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siting - other? = None

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = None

Animal: snail - mist - water vole - kingfisher - dipper - grey heron - ead martin (None) dragonfly/damselfly

Other significant observations: None

H. ALDERS (tick appropriate box(es))

Alders' None Present Extensive Thicket Alders' None Present Extensive

1996 RIVER HABITAT SURVEY WITH THE Goals for plant genera and faunas Page 1 of 4

A. BACKGROUND, MAP-BASED INFORMATION

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

B. FIELD SURVEY DETAILS

Reference network site number: 2193
 Mid-site grid reference of network site if different from designated location:

Grid Reference: NG 24 8 5 River: DOOLE
 Date: 2/5/1996 Time: 11:52 Surveyor name: DUNN Accreditation code: PF27

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

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

IFE single photograph: general character? No Yes (tick one box) (2 per.)
 and, as required, special feature? No Yes (tick one box)

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

C. PREDOMINANT VALLEY FORM (tick one box only)

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

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

D. NUMBER OF RIFFLES, POOLS, AND POINT BARS (allocate total number)

Riffles 14 Unvegetated point bars 2
 Pools 2 Vegetated point bars 0

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

1996 RIVER HABITAT SURVEY - SPOT CHECKS Page 2 of 4

TALLY (tick box) for: Riffles 14 Pools 2 Unveg. point bars 2 Veg. point bars 0

B. PHYSICAL ATTRIBUTES (to be assessed across channel width at 1m width intervals) - one only only

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK (TICK IF functional bank)										
Material <u>EA EA EA EA EA EA EA EA EA EA</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NO NO NO NO NO NO NO NO NO NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>SB SB SB SB SB SB SB SB SB SB</u>	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
Channel substrate <u>CO CO CO CO CO CO CO CO CO CO</u>	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape <u>OV OV OV OV OV OV OV OV OV OV</u>	OV	OV	OV	OV	OV	OV	OV	OV	OV	OV
Per s/s <u>RP RP RP RP RP RP RP RP RP RP</u>	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s) <u>NO NO NO NO NO NO NO NO NO NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>RO RO RO RO RO RO RO RO RO RO</u>	RO	RO	RO	RO	RO	RO	RO	RO	RO	RO
RIGHT BANK (TICK IF functional bank)										
Material <u>EA EA EA EA EA EA EA EA EA EA</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NO NO NO NO NO NO NO NO NO NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>EC EC EC EC EC EC EC EC EC EC</u>	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC

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

Land use: choose one from: EL, CP, OR, MK, SC, TR, SP, RO, TL, WL, OW, BV

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) <u>BAUC</u>	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <u>BAUC</u>	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) <u>BAUC</u>	B	S	B	S	B	S	B	S	B	S
RIGHT BANK-TOP (structure within 1m) <u>BAUC</u>	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

G. CHANNEL VEGETATION (tick one box only)

NONE / PLANT GENERA - list first 5

None / PLANT GENERA - list first 5	✓	✓				
Stratophytes/algae						
Emergent broad-leaved herbs						
Emergent root/rhizome/straw						
Floating-leaved (rooted)						
Free-floating						
Amphibious						
Submerged broad-leaved <u>Valeriana</u>						✓
Submerged fine/linear-leaved <u>Potamogeton</u>						✓
Filamentous algae	✓					✓

SITE NO. 2193

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

D. CHANNEL VEGETATION

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

E. CHANNEL VEGETATION - ASSOCIATED FEATURES (tick one box per feature)

TREES (tick one box per bank)	None	Left	Right	None	Present E (> 33%)
None	✓				
Inclined/overhanging					
Regularly spaced, single					
Occasional clumps					
Scrub continuous					
Continuous					

F. CHANNEL VEGETATION - ASSOCIATED FEATURES (tick one box per feature)

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

G. CHANNEL VEGETATION - ASSOCIATED FEATURES (tick one box per feature)

	None	Present E (> 33%)
Marginal deadwater		✓
Exposed bedrock		✓
Exposed boulders		✓
Unvegetated mid-channel bar(s)		✓
Vegetated mid-channel bar(s)		✓
Mature island(s)		✓
Unvegetated side bar(s)		✓
Vegetated side bar(s)		✓

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

1996 RIVER HABITAT SURVEY - DIMENSIONAL AND IN-CHANNEL FEATURES

A. CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	6.0	RIGHT BANK
Banktop height (m)	0.6		5.50
Water width (m)			Banktop height (m)
Embanked height (m)	X		0.55
Water depth (m)		0.1	Embanked height (m)

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

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

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

B. CHANNEL VEGETATION

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

C. CHANNEL VEGETATION MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other? State:

D. FEATURES OF SPECIAL INTEREST

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

E. CHOKED CHANNEL

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

F. CHANNEL VEGETATION - SPECIAL INTEREST

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

G. CHANNEL VEGETATION - SPECIAL INTEREST

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

Land Management: set-back - buffer strip - headland - abandoned land - pasture - MoD - other =

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

Other significant observations: Slip A block in mid channel land usage

H. ALDGERS (tick appropriate box(es))

Alders: None Present Extensive Diapycnid Alders? None Present Extensive

1976 RIVER HABITAT SURVEY (with modifications for plant genetic and ionizing) PAGE 2 of 4

BACKGROUND MAP-BASED INFORMATION

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

FIELD SURVEY DETAILS

Reference network site number: 2194
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 46 30 46 River: R. Dsc
 Date: 2.5.1996 Time: 11.00 Surveyor name: J.J.C. Accreditation code: PFB
 Adverse conditions affecting survey? No Yes If yes, state:
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box)

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

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

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

Riffles: 8 Unvegetated point bars: 3
 Pools: 1 Vegetated point bars: 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRAN, 8270 688

FULLY (use PFB) for riffles III Pools Veg. side bars III Veg point bars

LEFT BANK TRICK (if functional)

Material (M) NO CO BA CL GP SP PL	1	2	3	4	5	6	7	8	9	10
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel: NEW	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Substrate shape	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Pool type	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK TRICK (if functional)

Material (M) NO CO BA CL GP SP PL	1	2	3	4	5	6	7	8	9	10
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m)	M	H	E	R	B	S	J	B	J	J	B	S
LEFT BANK FACE (structure)	J	J	J	J	J	J	J	J	J	J	J	J
RIGHT BANK FACE (structure)	J	J	J	J	J	J	J	J	J	J	J	J
RIGHT BANK-TOP (structure within 1m)	J	J	J	J	J	J	J	J	J	J	J	J

LAND USE WITHIN 5m OF BANK TOP (R)

M	H	E	R	B	S	J	B	J	J	B	S
---	---	---	---	---	---	---	---	---	---	---	---

CHANNEL VEGETATION TYPES

NONE	/	PLANT GENERA - list first 5
Bryophytes/lichens	E	/ / / / /
Emerg broad-leaved herbs		
Emerg rush/sedge/gramin		/
Flowering broad (rooted)		
Free-floating		
Amphibious		
Submerged broad-leaved		
Submersive fine-leaved		
Filamentous algae	/	E / / / /

SI. NO. 2194

L	R	L	R
Disturbed woodland (DL)		Rough pasture (RP)	/ /
Green plantation (GP)		Improved/semi-improved grass (IG)	E E
Wd (W)		Tiled land (TL)	
Woodland/hedge (WZ)	E E	Wetland (eg bog, marsh, fen) (WL)	
Open (O)		Open water (OW)	
Herbs and vegetation (HV)		Suburban/urban development (SU)	

NATURAL/UNMODIFIED

L	R	L	R
alluvial	E E	Recessional	
all + tree (>45%)	/ /	Reinforced - whole bank	/ /
Gravel		Reinforced - top only	
		Reinforced - toe only	
		Artificial two-stage	
		Poached	
		Embedded	
		Set-back embankment	

TREES (tick one box per band)

Name	Left	Right	None	Percent E (2.11%)
Island/recessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

None	Percent E (2.11%)
Shading of channel	<input type="checkbox"/>
Overhanging boughs	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>
Coarse woody debris	<input checked="" type="checkbox"/>

EXPOSED BANKS AND ASSOCIATED FEATURES

Name	None	Percent E (2.11%)
Washbed(s)	<input type="checkbox"/>	<input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ohid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

predominant flow sequence (select up to three features): R. R. R.

MEASUREMENTS AND DIMENSIONS

LEFT BANK	Banktop width (m)	7.0	RIGHT BANK
Banking height (m)	0.5	Water width (m)	7.0
Banking height (m)		Water depth (m)	0.1
Banking height (m)		Banking height (m)	0.5

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

Bed material at site: consolidated (concrete) unconsolidated (stone) chalkstone

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

None Number of: Obstructions = Weirs = Outfalls = Fords =
 Footbridges = Other =

Is water impounded by obstruction? No Yes, <33% of site >33% of site

EVIDENCE OF RECENT MANIPULATION

None Dredging Mowing Weed cutting
 Enhancement Other? State:

FEATURES OF SPECIAL INTEREST

None
 Waterfalls > 3m high Artificial open water Bog Other (state)
 Buried/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Lushy debris Fen Fresh

CHOKED CHANNEL

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

NOTABLE NATURAL FEATURES

None Giant Hogweed Gambusia Balm Japanese Knotweed Other? North Rhododendron bracken

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

Land Management: wet-lands - buffer strip - headland - abandoned land - partition - MaD - other? =
 Animal: none - mink - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonfly/damselfly

Other significant observations:
 1. ...
 2. ...
 3. ...

S ALDERS (tick appropriate box(es))

None Present Extensive Dispersed Alders: None Present Extensive

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Solid geology code Distance from source (km) Height of source (m)	Slope (m/km) Drift geology code Significant tributary? Water Quality Class	Flow category (1-10) Planform category Navigation? NO
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B. FIELD SURVEY DETAILS

Reference network site number: **2195**

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

Grid Reference: **NG175446** River: **LEASGEARN**

Date: **3 Feb 1996** Time: **14:26** Surveyor name: **Dunro** Accreditation code: **PF27**

Adverse conditions affecting survey? No Yes If yes, state

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

IPE single photographs: general character? No Yes (tick one box) (1)
(duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box) (2) (see p. 4)

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

C. DOMINANT VALLEY FORMS (tick one box only)

<input type="checkbox"/> shallow vee	<input type="checkbox"/> concave/bowl (if U-shaped glacial valley - add "U")
<input type="checkbox"/> deep vee	<input type="checkbox"/> symmetrical floodplain
<input type="checkbox"/> gorge	<input type="checkbox"/> asymmetrical floodplain

Terraced valley floor? No Yes **IPE - VALLEY FORM NOTES:**

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

Ripples **17** Unvegetated point bars **1**

Pools **0** Vegetated point bars **0**

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

TALLY (use JH) for: Riffles **11** Pools **1** Using wide bars **1** Veg point bars **0**

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

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK: TYPICAL (functional) form:	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material W NO AO CO G SL B F CL C U W CA S M SL S F	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) W NO AO CO G SL B F CL C U W CA S M SL S F	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) W NO AO CO G SL B F CL C U W CA S M SL S F	NO	SB	EC	SC	PB	NO	SB	EC	EC	NO
CHANNEL: TYPICAL (functional) form:	BO	CO	RO	RO	RO	RO	CO	RO	BO	BO
Channel substrate W NO AO CO G SL B F CL C U W CA S M SL S F	BO	CO	RO	RO	RO	RO	CO	RO	BO	BO
Substrate shape FL OV EL LP CL PS B CH SW S M W	OV	OV	IR	IR	IR	IR	OV	OV	OV	OV
Flow type FF CH SW S M W LP IR SP SP SW S M W	PP	UW	SW	PP	UW	UW	PP	UW	SW	UW
Channel modification(s) W NO AO CO G SL B F CL C U W CA S M SL S F	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) W NO AO CO G SL B F CL C U W CA S M SL S F	NO	RO	NO	RO	NO	RO	NO	RO	NO	RO
RIGHT BANK: TYPICAL (functional) form:	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material W NO AO CO G SL B F CL C U W CA S M SL S F	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) W NO AO CO G SL B F CL C U W CA S M SL S F	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) W NO AO CO G SL B F CL C U W CA S M SL S F	NO	NO	SC	SC	EC	EC	NO	NO	NO	NO
F. BANKTOP, LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)	Land use: choose one from SL, CP, OR, NK, SC, TI, RP, IG, TL, WL, OV, BU									
LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) BANKSC	S	U	U	S	S	S	S	U	U	U
LEFT BANK FACE (structure) BANKSC	S	B	B	U	B	S	S	B	B	S
RIGHT BANK FACE (structure) BANKSC	S	S	U	B	U	B	B	S	U	B
RIGHT BANK-TOP (structure within 1m) BANKSC	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	RP	RP	RP

G. CHANNEL VEGETATION (10m wide transect) - list first 5

NONE / PLANT GENERA - list first 5

Bryophytes/lichens	E	E	E	E	E	E	E	E	E
Emerg broad-leaved herbs									
Emerg rush/reeds/rushes	E	V	V						
Floting-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerged fine-leaved									
Filamentous algae									

SITE NO. **2195**

VEGETATION

	L	R		L	R
Broad/leaved woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tiled land (TL)		
Woodland/moor (MZ)	E	E	Wetland (eg bog, marsh, fen) (WL)		V
Scrub (SC)			Open water (OW)		V
Tall herbs' wet vegetation (TH)			Suburban/rural development (SU)		

CHANNEL VEGETATION

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/natural	L	E	E		
Vertical + toe					
Steep (>45°)		V	V		
Overhanging					
Composite			Artificial two-stage		
			Pushed		
			Embedded		
			Set-back embankments		

I. CHANNEL VEGETATION ASSOCIATED FEATURES (pick one box per bank)

None <input checked="" type="checkbox"/>	Left <input checked="" type="checkbox"/>	Right <input type="checkbox"/>	Shading of channel <input checked="" type="checkbox"/>	None <input type="checkbox"/>	Percent E (≥ 11%) <input type="checkbox"/>
Unusual/restricted <input type="checkbox"/>			Overhanging banks <input checked="" type="checkbox"/>		
Regularly spaced, single <input type="checkbox"/>			Exposed bankside roots <input checked="" type="checkbox"/>		
Occasional clumps <input type="checkbox"/>			Underwater tree roots <input checked="" type="checkbox"/>		
Scrub-coniferous <input type="checkbox"/>			Fallen trees <input checked="" type="checkbox"/>		
Continuous <input type="checkbox"/>			Coarse woody debris <input checked="" type="checkbox"/>		

J. CHANNEL VEGETATION ASSOCIATED FEATURES (pick one box per feature)

Waterfall(s) <input checked="" type="checkbox"/>	None <input type="checkbox"/>	Percent E <input type="checkbox"/>	Marginal deadwater <input checked="" type="checkbox"/>	None <input type="checkbox"/>	Percent E (≥ 11%) <input type="checkbox"/>
Cascade(s) <input type="checkbox"/>			Exposed hydrocut <input checked="" type="checkbox"/>		
Rapid(s) <input type="checkbox"/>			Exposed boulders <input checked="" type="checkbox"/>		
Riffle(s) <input type="checkbox"/>			Unvegetated mid-channel bar(s) <input checked="" type="checkbox"/>		
Bank(s) <input checked="" type="checkbox"/>			Vegetated mid-channel bar(s) <input type="checkbox"/>		
Bank(s) <input checked="" type="checkbox"/>			Mature island(s) <input type="checkbox"/>		
Old(s) <input checked="" type="checkbox"/>			Unvegetated side bar(s) <input type="checkbox"/>		
Pool(s) <input type="checkbox"/>			Vegetated side bar(s) <input type="checkbox"/>		

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

3. CHANNEL DIMENSIONS AND INFLUENCES

LEFT BANK		Banktop width (m)	4.5	RIGHT BANK	
Banktop height (m)	0.6	Water width (m)	4.0	Banktop height (m)	0.6
Embankment height (m)	X	Water depth (m)	0.3	Embankment height (m)	X

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

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

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

4. CHANNEL VEGETATION

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

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

5. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None Dredging Moving Weed-cutting
Enhancement Other? State

6. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

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

7. CHANNEL CHANGES (tick appropriate box(es))

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

8. REMARKS ON CHANNEL VEGETATION (tick appropriate box(es))

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

9. RIVER MANAGEMENT ACTIVITIES

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

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - lampbrush - doper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: **12 1/2 yr old pine forest from collapsed banks and river meadow near channel first bar - RP 200 m margin with scrubby vegetation in vicinity of bridge.**

10. ALDERS (tick appropriate box(es))

Alders? None Present Extensive Disused Alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION

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

B FIELD SURVEY DETAILS

Reference network site number: 2201
 Mid-site grid reference of network site if different from designated location:

Grid Reference: 111261699 River: UK RIVER CARRON
 Date: 11/5/1996 Time: 12:40 Surveyor name: IS (P. R. HARRIS) Accreditation code: PEA

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

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

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

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

PREDOMINANT VALLEY FORMS (tick one box)

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

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

NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total)

Rifles: 1 Unvegetated point bars: 3
 Pools: 7 Vegetated point bars: 1

AND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 N. DAWSON, IPE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

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

FULLY (see IPE for details) Pools (see 1) Unveg. Substrates (1) Veg. point bars

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

Spot check 1 m upstream Downstream

LEFT BANK	TICK if functional feature	1	2	3	4	5	6	7	8	9	10
Material (M, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)		B	C	B	B	B	B	B	B	B	B
Bank modification(s) (M, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)		SB	SB	NO	NO	NO	NO	NO	NO	NO	NO

CHANNEL (NEW or EXISTING)

Channel substrate (M, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)

Substrate shape (FL, DL, BL, CL, PL, SL, TL, VL, WL, XL, YL, ZL)

Flow type (FL, DL, BL, CL, PL, SL, TL, VL, WL, XL, YL, ZL)

Channel modification(s) (M, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)

Channel feature(s) (M, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)

RIGHT BANK TICK if functional feature

Material (M, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)

Bank modification(s) (M, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)

Bank feature(s) (M, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)

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

Land use: choose one from BL, CL, DL, EL, FL, GL, HL, IL, JI, KI, LI, MI, NI, OI, PI, QI, RI, SI, TI, VI, WI, XI, YI, ZI

LAND USE WITHIN 5m OF BANKTOP (L)	BL	CL	DL	EL	FL	GL	HL	IL	JI	KI	LI	MI	NI	OI	PI	QI	RI	SI	TI	VI	WI	XI	YI	ZI
LEFT BANK TOP (structure within 1m) BANKTOP	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BANKTOP	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure) BANKTOP	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
RIGHT BANK TOP (structure within 1m) BANKTOP	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	BL	CL	DL	EL	FL	GL	HL	IL	JI	KI	LI	MI	NI	OI	PI	QI	RI	SI	TI	VI	WI	XI	YI	ZI

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

NONE / PLANT GENERA - list first 5

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

TE NO: 2201

undrained woodland (UL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)	<input type="checkbox"/>	<input type="checkbox"/>
irrigated plantation (IP)	<input type="checkbox"/>	<input type="checkbox"/>	improved/mild-improved grass (IG)	<input type="checkbox"/>	<input type="checkbox"/>
Orchard (OR)	<input type="checkbox"/>	<input type="checkbox"/>	Tilled land (TL)	<input type="checkbox"/>	<input type="checkbox"/>
Moorland/heath (MR)	<input type="checkbox"/>	<input type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)	<input type="checkbox"/>	<input type="checkbox"/>
sh (SC) - Broadleaved	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Open water (OW)	<input type="checkbox"/>	<input type="checkbox"/>
l herbs and vegetation (TD)	<input type="checkbox"/>	<input type="checkbox"/>	Suburban/urban development (SU)	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Natural/unmodified L R Artificial/modified L R

Wood/undercut Reinforced

Wood + toe Reinforced - whole bank

scree (>45°) Reinforced - toe only

Grade Reinforced - toe only

sculpture Artificial two-stage

Poached

Embanked

Set-back embankments

TREES (tick one box per bank)

None	Left	Right	Associated Features (tick one box per feature)	None	Present E (≥ 33%)
Inclined/canted	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scrub/continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Overexposed debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

WATERFALLS AND ASSOCIATED FEATURES

Waterfall(s)	None	Present E (≥ 33%)	Marginal dead-water	None	Present E (≥ 33%)
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapids(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffles(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marine island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): run - slide - pool

RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCE

LEFT BANK	Banktop width (m)	9.00	RIGHT BANK	
Banktop height (m)	Water width (m)	7.00	Banktop height (m)	0.60
Embanked height (m)	Water depth (m)	0.30	Embanked height (m)	

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

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

Location of measurement is: riffle cut or gully other (tick one box)

None Number of Cut-wrks = Weirs = Outfalls = Fords =
 Footbridges = Bankbridges =
 Is water impounded by weirs/dams? No Yes, < 33% of site > 33% of site

REMOVING OBSTACLES TO FLOW (tick one box)

None Dredging Moving Weed-cutting
 Enhancement Other? State:

OBSTACLES TO FLOW (tick one box)

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

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

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

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

Land Management: set-back - buffer strip - headland - abandoned land - pasture - MoD - other? =

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

Other significant observations: Highly active mixed bed of silt, sand, gravel, coarse debris, organic debris, grass litter, etc. underfoot at disjunctions but predominantly silt.

Alters? None Present Extensive Disposed Alters? None Present Extensive

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

A. BACKGROUND MAP-BASED INFORMATION

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

B. FIELD SURVEY DETAILS

Reference network site number: 2209
 Mid-site grid reference of network site if different from designated location:

Grid Reference: N1078 River: RIVER
 Date: 27/11/1996 Time: 13:00 Surveyor name: PFA Accreditation code: PFA

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

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

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

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

C. PREDOMINANT VALLEY FORM (tick one box only)

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

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

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

Riffles: 43 Unvegetated point bars: 1
 Pools: 19 Vegetated point bars: 3

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 P. W. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRERAN, 8420 688

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

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

Spot check 10 upstream downstream

LEFT BANK TICK if occasional feature

Material	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	VS	NO	NO	NO	NO	NO	ER	PR	SC

CHANNEL TICK if occasional feature

Channel substrate	NO	CO	CO	BO	BO	BO	BO	BO	BO
Substrate shape	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type	SM	UM	UM	UM	UM	UM	UM	UM	UM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	PO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK TICK if occasional feature

Material	BO	ER	ER	ER	ER	ER	ER	ER	ER
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	VS	NO	NO	NO	NO	NO	NO

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

Land use: choose one from BL, CP, OK, SO, SC, TR, RP, AG, FL, WL, OW, SU

LAND USE WITHIN 5m of BANKTOP (L)

WL	RO	RF	RF	RF	RF	RF	RF	RF	RF
U	U	U	U	U	U	U	U	U	U

LEFT BANK-TOP (structure within 1m) BUDG

S	S	S	S	S	S	S	S	S	S
---	---	---	---	---	---	---	---	---	---

LEFT BANK FACE (structure) BUDG

S	S	S	S	S	S	S	S	S	S
---	---	---	---	---	---	---	---	---	---

RIGHT BANK FACE (structure) BUDG

S	S	S	S	S	S	S	S	S	S
---	---	---	---	---	---	---	---	---	---

RIGHT BANK-TOP (structure within 1m) BUDG

S	S	S	S	S	S	S	S	S	S
---	---	---	---	---	---	---	---	---	---

LAND USE WITHIN 5m of BANK TOP (R)

RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
----	----	----	----	----	----	----	----	----	----

VEGETATION PLANT GENERA - list first 5

NONE									
Brrophytactin									
Emerg broad-leaved herbs									
Emerg reed/sedge/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerg fine-leaved									
Filamentous alga									

SITE NO. 2209

Code	L	R	Code	L	R
Broadleaved woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)	<input type="checkbox"/>	<input type="checkbox"/>
Openland plantation (OP)	<input type="checkbox"/>	<input type="checkbox"/>	Improvement-improved grass (IG)	<input type="checkbox"/>	<input type="checkbox"/>
Orchard (OK)	<input type="checkbox"/>	<input type="checkbox"/>	Tilled land (TL)	<input type="checkbox"/>	<input type="checkbox"/>
Meadow/bank (ME)	<input type="checkbox"/>	<input type="checkbox"/>	Wetland (eg bog, peat) (W)	<input type="checkbox"/>	<input type="checkbox"/>
Scrub (SC)	<input type="checkbox"/>	<input type="checkbox"/>	Open water (OW)	<input type="checkbox"/>	<input type="checkbox"/>
Tall herbs - wet vegetation (TH)	<input type="checkbox"/>	<input type="checkbox"/>	Suburban/urban development (SU)	<input type="checkbox"/>	<input type="checkbox"/>

Natural/unmodified

Code	L	R	Artificial/modified	L	R
Vertical/undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Excavated	<input type="checkbox"/>	<input type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input type="checkbox"/>
Slope (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Groynes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
Chimneys	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input type="checkbox"/>	<input type="checkbox"/>
			Punctured	<input type="checkbox"/>	<input type="checkbox"/>
			Estimated	<input type="checkbox"/>	<input type="checkbox"/>
			Set-back embankment	<input type="checkbox"/>	<input type="checkbox"/>

TREES (tick one box per bank)

Code	Left	Right	Associated Features (tick one box per feature)	None	Percent E (> 11%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

Associated Features (tick one box per feature)

Code	None	Percent E (> 11%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>
Caricoid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>
Channel(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>

Marginal/deciduous

Code	None	Percent E (> 11%)
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

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

a. riffles runs bays
 b. C/S/OU
 c. S/S/OU

MEASUREMENTS OF CHANNEL DIMENSIONS AND INFLUENCES

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	0.60	Banktop height (m) 0.60
Embankment height (m)	Water width (m) 1.40	Embankment height (m)
	Water depth (m) 0.05	

If reading lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

STRUCTURAL FEATURES

None Number of Culverts = Water = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No Yes, <33% of site >33% of site

EVIDENCE OF RECENT MANIPULATION

None Dredging Mowing Weed-cutting
 Enhancement Other? State:

FEATURES OF CHANNELS

None Artificial open water Bog Other (state):
 Natural open water Carr
 Debris dams Water meadow Marsh
 Lanky debris Pile Flush

Is 33% or more of the channel choked with vegetation? NO YES

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Name Rhododendron

MAJOR IMPACTS bankfill - dipping - litter - sewage - pollution - drought - obstruction - mill - dam - sand - rail - industry - boating - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? =

Land Management: set-back - buffer strip - bankfill - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud snail - heron - dragonfly/damselfly

Other significant observations: 25% of RHS SECTION - 4m x 0.5m x 2.5m
 10% of LHS SECTION - 10m x 0.5m x 2.5m
 SHEEP SEAZING PROHIBITED - REMOVED TO TESTS

ALDERS (tick appropriate boxes)

Alders? None Present Extensive Disturbed Alders? None Present Extensive

1996 RIVER HABITAT SURVEY (include maps for plant species and geology) Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____
 Solid geology code _____ Drift geology code _____ Planform category _____
 Distance from source (km) _____ Significant tributary? _____ Navigation? NO
 Height of source (m) _____ Water Quality Class _____

B. FIELD SURVEY DETAILS

Reference network site number: 2226
 Mid-site grid reference of network site if different from designated location: _____

Grid Reference: N6927384 River: ATTADACE
 Date: 4/5/1996 Time: 10:43 Surveyor name: DUNCAN Accreditation code: PF27

Adverse conditions affecting survey? No Yes If yes, state _____
 Bed of river visible? No partially entirely (tick one box)

1FE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes 1FE - VALLEY FORM NOTES: _____

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles: 7 Unvegetated point bars: 0
 Pools: 0 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BR20 6SB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 2

TALLY (see IFE) for: Riffles 7 Pools _____ Unveg. side bars _____ Veg point bars _____

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) (see note on page 1)

Spot check 1 = upstream	2	3	4	5	6	7	8	9	10
LEFT BANK									
Material: <u>NO NO GS CO BO NO NO NO NO NO NO</u>									
Bank modification(s): <u>NO NO NO NO NO NO NO NO NO NO</u>									
Bank feature(s): <u>EC EC SB EC SB SB NO NO NO NO</u>									
CHANNEL									
Channel substrate: <u>NO NO NO NO NO NO NO NO NO NO</u>									
Substrate shape: <u>IR IR IR IR IR IR IR IR IR IR</u>									
Flow type: <u>RP RP RP RP RP RP RP RP RP RP</u>									
Channel modification(s): <u>NO NO NO NO NO NO NO NO NO NO</u>									
Channel feature(s): <u>MR NO RO RO RO RO NO NO NO NO NO</u>									
RIGHT BANK									
Material: <u>CO CO CO BO BO EA BO CO RP RP</u>									
Bank modification(s): <u>NO NO NO NO NO NO NO NO NO NO</u>									
Bank feature(s): <u>SB SB NO SB SB SB NO SB NO NO</u>									

BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CF, OR, NM, RC, TR, RP, EC, IL, WL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	IS	B	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m) BANC	C	S	S	S	S	S	S	C	S
LEFT BANK FACE (structure) BANC	B	S	S	B	S	S	B	S	U
RIGHT BANK FACE (structure) BANC	B	P	P	B	C	S	S	B	U
RIGHT BANK-TOP (structure within 1m) BANC	B	C	S	C	S	S	S	C	S
LAND USE WITHIN 5m OF BANK TOP (R)	S	B	BL	BL	R	BL	B	BL	BL

PLANT SPECIES (tick appropriate boxes)

NONE	PLANT GENERA - list first 5	✓	/	/	✓	✓	✓	✓	✓
Bryophytes/lichens									
Emerg broad-leaved herbs									
Emerg needle/wedge-leaved									
Floating-leaved (round)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerged fine/finely-leaved									
Filamentous algae									

SITE NO. 2226

	L	R		L	R
Broadleaved woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/improved grass (IG)	E	E
Orchard (OR)			Tiled roof (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Suburban/urban development (SU)		

TOPOGRAPHY

	L	R		L	R
Natural/unmodified			Artificial/modified		
Vertical/unsteep			Recoined		
Vertical + inc			Reinforced - whole bank		
Slope (> 45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Punched		
			Embedded		
			Set-back embankment		

TREES (tick one box per bank)

Name	Left	Right	Associated Features (tick one box per feature)	None	Percent E (≥ 33%)
Isolated/occasional	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-coniferous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Coniferous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WATERFALLS

Name	None	Percent E (≥ 33%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>
Overhead(s)	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>
Race(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Obide(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Riffles - Boils - Pools

MEASUREMENTS AND DIMENSIONS

LEFT BANK	Banktop width (m)	11.0	RIGHT BANK	
Banktop height (m)	0.8		Banktop height (m)	0.85
Embankment height (m)	X		Embankment height (m)	X

Water width (m): 8.0
 Water depth (m): 0.1

If transition lower than banktop bank in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

MAN-MADE STRUCTURES

None Number of Culverts = _____ Weirs = _____
 Footbridges = _____ Roundbridges = _____ Outfalls = _____
 Other = _____ Fords = _____

Is water impounded by overfalls? No Yes, < 33% of site > 33% of site

EVIDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed cutting
 Enhancement Other? State _____

FEATURES OF SPECIAL INTEREST

None Artificial open water Bog Other (state) _____
 Bricked/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Lumpy debris Fan Flush

FACED CHANNEL

Is 33% or more of the channel choked with vegetation? NO YES

WATER VEGETATION

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Native Rhododendron brachyotum

MAJOR IMPACTS

landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siting - other? = _____

Land Management: set aside - buffer strip - hedland - abandoned land - parkland - MoD - other? = _____

Animals: otter - mink - water vole - kingfisher - dipper (grey wagtail) - sand martin - heron - dragonflies/damselflies

Other significant observations: Large deposits of silt in LB

S. ALDERS (tick appropriate boxes)

Alders' Name Present Extensive Damaged Alders' Name Present Extensive

1996 RIVER HABITAT SURVEY WITH IFE INDEX OF PLANT GENERA AND FORMS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Orth geology code Platform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

B. FIELD SURVEY DETAILS

Reference network site number: 7231
 Mid-site grid reference of network site (if different from designated location):

Grid Reference: **NY443310** River: **W/T OF LUCKY MOUNTAIN**
 Date: **2/5/1996** Time: **1:36** Surveyor name: **J.S.P.** Accreditation code: **PF9**

Adverse conditions affecting survey? No Yes If yes, state:

Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee concave-down (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes | **IFE - VALLEY FORM NOTES:**

NUMBER OF RIPPLES, RIFFLES, POINT BARS, AND POOLS

Ripples Unvegetated point bars
 Pools **16** Vegetated point bars

NO COMPLETED FORMS WEEKLY plus all water samples and expenses claim to
 W. DAWSON, IFE RIVER LABORATORY, EAST STOKES, WARRURAH, BRISBANE 4688

1996 RIVER HABITAT SURVEY WITH SPOT CHECKS Page 2 of 4

TALLY (see info for Riffles III) Pools III NY 443310 Unveg. side bar II Veg point bars

BIOPHYSICAL ATTRIBUTES (to be completed across channel, up to 10 m width upstream) - see info only

Spot check 1 m upstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK	TRUCK (if functional) <input checked="" type="checkbox"/>									
Material	W	M	CO	SO	RO	BO	EA	BE	RE	
Bank modification(s)	NO	NO	X	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	SS	NO	NO	NO	NO	NO	NO
Channel substrate	RO	RO	BO	RO	RO	BO	BO	BO	BO	BO
Substrate slope	O	N	N	N	N	N	N	N	N	N
Flow type	RP	RP	CH	RP	RP	CH	CH	CH	CH	CH
Channel modification(s)	NO	FA	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	FC	RO	RO	RO	RO	RO	RO	RO	RO
RIGHT BANK	TRUCK (if functional) <input checked="" type="checkbox"/>									
Material	W	M	CO	SO	RO	BO	EA	BE	RE	
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

B. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be surveyed prior to 10m width transects)

Land use: choose one from L, CP, DL, DR, HC, FL, PL, RL, UL, OR, OS

LAND USE WITHIN 5m OF BANKTOP (L)	IG	IG	CP	IG	IG	IG	IG	IG	IG	IG
LEFT BANK TOP structure within 1m) structure	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE structure	S	B	B	C	S	C	C	B	B	B
RIGHT BANK FACE structure	S	B	B	B	S	B	B	S	B	S
RIGHT BANK TOP structure within 1m) structure	C	U	S	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	IS	IL	L	T	L	L	L	L	RL

C. BANKTOP PLANT GENERA - (see list)

NONE	/	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bryophytes/algae							✓			✓
Emergent broad-leaved herbs										
Emergent narrow-leaved herbs										
Floating-leaved (rooted)										
Free-floating										
Amblyophytes										
Submerged broad-leaved										
Submerged fine-leaved										
Platanaceae if pos										

ITE NO. 7231

Artificial overhead (AO)		✓								
Artificial plantation (AP)		✓								
Overhead (OD)										
Maintenance (MO)										
Over (OC)										
All banks' root exposure (RE)										

Natural/unmodified										
Artificial/modified										
Reinforced - whole bank										
Reinforced - top only										
Reinforced - toe only										
Artificial two-stage										
Reinforced										
Embodied										
Set-back embankments										

TESTS (pick one bar per head) ASSOCIATED FEATURES (pick one bar per feature)

None Left Right
 Inundated/recessed
 Regularly spaced, single
 Occasional change
 Sand embankments
 Continues

Shoaling of channel
 Overhanging boughs
 Exposed bankside roots
 Underwater tree stems
 Pillar trees
 Coarse woody debris

Waterfall(s) Marginal sandbar(s)
 Cascades(s) Exposed sandbar
 Rapids(s) Exposed boulder(s)
 Riffle(s) Unvegetated mid-channel bar(s)
 Sand(s) Vegetated mid-channel bar(s)
 Bank(s) Mature island(s)
 Oxbow(s) Unvegetated side bar(s)
 Pool(s) Vegetated side bar(s)

Indicate predominant flow sequence (select up to three features): **ASCNDR**

INDICATORS OF CHANNEL CHANGES AND DEVIATIONS

LEFT BANK	Banking width (m)	4.00	RIGHT BANK		
Banking height (m)	1.10	Water width (m)	2.75	Banking height (m)	1.10
Embankment height (m)	---	Water depth (m)	0.02	Embankment height (m)	---

If transects lower than banking break in slope, indicate: height (m) = --- width (m) = ---

Bed material at site is: consolidated (strong) unconsolidated (weak) coarse

Location of measurement is: riffle run or glide other (tick one box)

None Number of Cutovers = --- Width = --- Outfalls = --- Pools = **2**
 None Number of Weirbridges = --- Bankbridges = ---
 Is water impounded by weir(s)? No Yes, < 33% of site > 33% of site

EVIDENCE OF AGENT MANAGEMENT (tick appropriate boxes)

None Dragging Moving Weed-cutting
 Enhancement (check) State: Local Federal

CHARACTERS OF SPECIAL INTEREST

Name:
 Waterfalls > 5m high Artificial open water Bog Other (spec):
 Braided/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Loose debris Pos Flash

Is 33% or more of the channel choked with vegetation? NO YES

None Giant Hogweed Hairy Nettle Aquatic Knotweed Other (Name):

Major inputs: timber logging dam sewage pollution drought obstruction soil dam road mill industry
 housing mining quarrying stockpiling agriculture herbicide management fishing other

Land Management: set aside buffer strip buffered abandoned land partial NoD other

Animals: other mist water vole bagfisher eel grey weevil sand martin heron dragonfly/damselfly

Other significant observations:

8 (ALDEBS (tick appropriate box(es)))

Alters' None Present Extensive Channel Alters? None Present Extensive

1996 RIVER HABITAT SURVEY with IFE tools for plant genera and FCBIDS. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Platform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

B. FIELD SURVEY DETAILS

Reference network site number: 2232
 Mid-site grid reference of network site if different from designated location:
 Grid Reference: NMS49388 River: ALT. MOR.
 Date: 20/5/1996 Time: 12:30 Surveyor name: JL Accreditation code: PP9
 Adverse conditions affecting survey? No Yes If yes, state:
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special (nature)? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

C. DOMINANT VALLEY FORM (tick one box only)

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINTS

Riffles 2 Unvegetated point bars 3
 Pools 1 Vegetated point bars 2

SEND COMPLETED FORMS WEEKLY plus all water samples and express claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BEX2 4BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE) for Riffles 7 Pools 1 Using site bars Veg point bars

B. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transects) 1 = one only only

Spot check 1 = upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK (if functional) feature	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Material <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> H <input checked="" type="checkbox"/> J <input checked="" type="checkbox"/> K <input checked="" type="checkbox"/> N	B	G	S	M	L	F	C	P	H	J
Bank modification(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> J <input checked="" type="checkbox"/> K <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> O <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> Q <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> U <input checked="" type="checkbox"/> V <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> X <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> Z	M	J	K	N	O	P	Q	R	S	T
Bank feature(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> J <input checked="" type="checkbox"/> K <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> O <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> Q <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> U <input checked="" type="checkbox"/> V <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> X <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> Z	M	J	K	N	O	P	Q	R	S	T
Channel substrate <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> J <input checked="" type="checkbox"/> K <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> O <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> Q <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> U <input checked="" type="checkbox"/> V <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> X <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> Z	M	J	K	N	O	P	Q	R	S	T
Substrate shape <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> J <input checked="" type="checkbox"/> K <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> O <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> Q <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> U <input checked="" type="checkbox"/> V <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> X <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> Z	M	J	K	N	O	P	Q	R	S	T
Flow type <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> J <input checked="" type="checkbox"/> K <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> O <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> Q <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> U <input checked="" type="checkbox"/> V <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> X <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> Z	M	J	K	N	O	P	Q	R	S	T
Channel modification(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> J <input checked="" type="checkbox"/> K <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> O <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> Q <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> U <input checked="" type="checkbox"/> V <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> X <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> Z	M	J	K	N	O	P	Q	R	S	T
Channel feature(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> J <input checked="" type="checkbox"/> K <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> O <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> Q <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> U <input checked="" type="checkbox"/> V <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> X <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> Z	M	J	K	N	O	P	Q	R	S	T
RIGHT BANK - TICK (if functional) feature	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Material <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> G <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> C <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> H <input checked="" type="checkbox"/> J <input checked="" type="checkbox"/> K <input checked="" type="checkbox"/> N	B	G	S	M	L	F	C	P	H	J
Bank modification(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> J <input checked="" type="checkbox"/> K <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> O <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> Q <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> U <input checked="" type="checkbox"/> V <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> X <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> Z	M	J	K	N	O	P	Q	R	S	T
Bank feature(s) <input checked="" type="checkbox"/> M <input checked="" type="checkbox"/> J <input checked="" type="checkbox"/> K <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> O <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> Q <input checked="" type="checkbox"/> R <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> U <input checked="" type="checkbox"/> V <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> X <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> Z	M	J	K	N	O	P	Q	R	S	T

F. BANKTOP, LAND USE AND VEGETATION STRUCTURE (to be assessed across 1m wide transects)

Land use: choose one from BL, CL, OL, SH, SC, TR, RP, RL, RL, OL, BU

LAND USE WITHIN 5m OF BANKTOP (L)	SC	RP	MA	RP	MA	RP	RP	RP	RP	RP
LEFT BANK TOP (structure within 1m) BUSC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BUSC	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BUSC	U	S	S	S	S	S	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

G. CHANNEL VEGETATION (tick one box only)

NONE PLANT GENERA - list first 5

Bryophytes/lichens										
Emergent broad-leaved herbs (e.g. watercress)										
Emergent reeds/sedges/rushes										
Floating-leaved (rootless)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fan/lianae leaved										
Filamentous algae										

ITEM NO. 2232

	L	R		L	R
Broad/deciduous woodland (BL)			Rough pasture (RP)	B	B
Coniferous plantation (CP)			Improved/improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Meadow/croft (ME)	B		Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TR)			Substrate/rock development (SD)		

CHANNEL FORMS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/straight			Recessed		
Vertical + toe			Recessed - whole bank		
Steep (>45°)			Recessed - top only		
Gentle			Recessed - toe only		
Composite			Recessed - toe only		

TRACES (tick one box per bank)

None	Left	Right	Associated features (tick one box per feature)	None	Percent E (2.5%)
Isolated/recessed			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Small continuous			Underwater tree roots		
Continuous			Pollen trees		
			Coarse woody debris		

WATERFALLS (tick one box per bank)

None	Percent E	Marginal dead-water	None	Percent E (2.5%)
Waterfall(s)		Exposed bedrock		
Caution(s)		Exposed boulders		
Rapid(s)		Unvegetated mid-channel bar(s)		
Riffle(s)		Vegetated mid-channel bar(s)		
Run(s)		Marsh island(s)		
Bank(s)		Unvegetated side bar(s)		
Old(s)		Vegetated side bar(s)		
Pool(s)				

Indicate predominant flow sequence (select up to three features):

CHANNEL DIMENSIONS AND SURFACES

LEFT BANK	Banktop width (m)	<u>6.40</u>	RIGHT BANK	Banktop width (m)	<u>6.40</u>
Banktop height (m)	<u>0.40</u>	Water width (m)	<u>5.50</u>	Banktop height (m)	<u>0.50</u>
Embankment height (m)	<u>0.10</u>	Water depth (m)	<u>0.10</u>	Embankment height (m)	<u>0.10</u>

If embankment lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

WATERFALLS

None Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weirs/dams? No Yes, <33% of site >33% of site

EVIDENCE OF BANK MANIPULATION (tick one box)

None Dredging Mowing Weed-cutting
 Enhancement Other? State:

WATERFALLS SURFACES (tick one box)

None Waterfalls > 5m high Artificial open water Bog Other (state)
 Bridled/side channel Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Fen Flank

CHANNEL VEGETATION (tick one box)

Is 33% or more of the channel choked with vegetation? NO YES

WATERFALLS SURFACES (tick one box)

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? *Justa Rhododendron bractea*

MAJOR IMPACTS (tick all that apply)

landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - mowing - other =

Land Management: set-back - buffer strip - woodland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin (swamp) - agricultural/domestication

Other significant observations: minnow

5 ALDERS (tick appropriate box(es))

Alders? None Present Extensive Damaged Alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Solid geology code Distance from source (km) Height of source (m)

Slope (m/km) Drain geology code Significant tributary? Water Quality Class

Flow category (1-10) Plankton category Navigation?

SURVEY DETAILS

Reference network site number: 2254

Mid-site grid reference of network site if different from designated location:

Grid Reference: NM770368 River: May Ouen

Date: 9.5.1996 Time: 13:00 Surveyor name: CR Accreditation code: (P/P)

Adverse conditions affecting survey? No Yes (if yes, state:

Bed of river visible? No partially entirely (tick one box)

IFB single photograph: general character? No Yes (tick one box). (specify will be made by scanning)

and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

DOMINANT VALLEY FORM

shallow vee concave/bowl (if U-shaped glacial valley - add 'U')

deep vee symmetrical floodplain

gorge asymmetrical floodplain

Terraced valley floor? No Yes | **IFE - VALLEY FORM NOTES:**

CHARACTER OF RIFLES, POOLS AND POINT BARS

Rifles? Unvegetated point bars

Pools Vegetated point bars

DO NOT COMPLETE FORMS WEEKLY plus all water samples and expenses claim TO I. DAWSON, IFE, RIVER LABORATORY, EAST STOCK, WARRAN, 8830 688

B PHYSICAL ATTRIBUTES (to be assessed across channel width $0.5m$ wide transect) - use point bars

Species list in upstream downstream

LEFT BANK	TICK if functional feature	1	2	3	4	5	6	7	8	9	10
Material (M) <input type="checkbox"/>		GS	GS	GS	GS	GS	GS	GS	GS	GS	GS
Bank modification(s) <input type="checkbox"/>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank form(s) <input type="checkbox"/>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

CHANNEL **NEW** (indicates slope change) **Flow grade** (steep, flat, etc.) **Channel substrate**

Channel substrate (S) <input type="checkbox"/>		CO	SP	GP	SO	SO	CO	CO	GP	CO	CO
Substrate shape (F) <input type="checkbox"/>		FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type (T) <input type="checkbox"/>		UL	RP	RP	UL	RP	CH	RP	RP	UL	RP
Channel modification(s) <input type="checkbox"/>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel form(s) <input type="checkbox"/>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK **TICK if functional feature**

Material (M) <input type="checkbox"/>		GS	GS	GS	GS	GS	GS	GS	GS	GS	GS
Bank modification(s) <input type="checkbox"/>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank form(s) <input type="checkbox"/>		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE (check one from L, O, R, H, S, FL, P, G, FL, H, O, R, H)

LAND USE WITHIN 5m OF BANKTOP (L)		MM	MM	MM	MM	MM	MM	MM	MM	MM	MM
LEFT BANK-TOP (structure within 1m) <input type="checkbox"/>		U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <input type="checkbox"/>		U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) <input type="checkbox"/>		U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m) <input type="checkbox"/>		U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)		MM	MM	MM	MM	MM	MM	MM	MM	MM	MM

CHANNEL VEGETATION TYPES (10m wide transect)

NONE (PLANT GENERA - list first 5)

None											
Rhizophytoclon											
Emergent broad-leaved herbs											
Emergent submergent/floaters											
Flowering broad-leaved											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged fine-leaved											
Flamboyant algae											

SITE NO. 2254 1996 RIVER HABITAT SURVEY: CHANNEL VEGETATION

	L	R		L	R
Broad/linear woodbed (BL)			Rough grass (RF)		
Coniferous gladden (CF)			Improved/local improved grass (IG)		
Cliff (CL)			Tidal bed (TL)		
Wetland (W)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Suburban/urban development (SU)		

VERTICAL BANKS

N	Unmodified	L	R	Artificial/modified	L	R
Vertical bank/soil				Recessed		
Vertical + toe				Reinforced - whole bank		
S	> 45°			Reinforced - top only		
G				Reinforced - toe only		
Composts				Artificial two-stage		
				Pneched		
				Embanked		
				Set back embankment		

TRACES (tick one box per bank)

None	Left	Right
Isolated/patched		
Regularly spaced, single		
Occasional clumps		
Small clumps		
Continuous		

ASSOCIATED FEATURES (tick one box per feature)

Shading of channel	None	Present
Overhanging banks		
Exposed bankside roots		
Underwater tree roots		
Floating trees		
Coarse woody debris		

WATERBODIES

Wetland(s)	None	Present
Channel(s)		
Rapid(s)		
Riffle(s)		
Run(s)		
Bank(s)		
Obstacle(s)		
Pool(s)		

Indicate predominant flow sequence (select up to three features): RLR

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

CHANNEL DIMENSIONS (to be measured at mid site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	5.0	RIGHT BANK	
Banktop height (m)	Water width (m)	4.0	Banktop height (m)	0.5
Embanked height (m)	Water depth (m)	0.15	Embanked height (m)	--

If transect lower than banktop level in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

CHANNEL VEGETATION

None Number of Culverts = Width = Outlets = Fords =

Number of Footbridges = Roadbridges = Other =

Is water impounded by vegetation? No Yes, < 33% of site > 33% of site

EVIDENCE OF RECENT MANAGEMENT

None Dredging Moving Weed-cutting Enhancement Other? State

FEATURES OF SPECIAL INTEREST (tick one box per feature)

None Waterfalls > 5m high Artificial open weir Bog Other (state)

Bridled/side channels Natural open weir Carr

Debris dams Water meadow Marsh

Leafy debris Fen Flush

Is 33% or more of the channel choked with vegetation? NO YES

CHANNEL VEGETATION

None Giant Reed Himalayan Balsam Japanese Knotweed Other? (North Rhododendron bractea)

MAJOR IMPACTS: bankfill - clipping - flow - sewage - pollution - drought - disturbance - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - suburban management - silting - other?

Land Management: set-aside - buffer strip - localized - abandoned land - partitioned - MoD - other?

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mallards - heron - dragonfly/damselfly

Other significant observations:

ALDELS (tick appropriate box(es))

Alters? None Present Extensive Discussed Alters? None Present Extensive

1996 RIVER HABITAT SURVEY with IFE mod for plant genera and fencing. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

B. FIELD SURVEY DETAILS

Reference network site number: 2236
 Mid-site grid reference of network site if different from designated location:

Grid Reference: MH991386 River: Dorback Burn
 Date: 21.5.1996 Time: 17:40 Surveyor name: J. R. ... Accreditation code: PF9
 Adverse conditions affecting survey? No Yes If yes, state: ...
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFLES AND POINT BARS

Rifles: 4 Unvegetated point bars: 1
 Pools: 3 Vegetated point bars: 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2

TALLY (see IFE for details) Pools: Unveg side bars: Veg point bars:

E. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 in upstream downstream

Spot check	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK if functional (20%)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Material (M, N, O, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	NO	SC	SC	NO	NO	NO	NO	NO	NO
Channel substrate	NV	SA	NV	RO	BO	SO	BO	BO	BM	NV
Substrate shape	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type	SM	SM	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK - TICK if functional (20%)	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	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from M, C, O, R, M, L, S, T, H, R, G, E, H, O, W, S, U

LAND USE WITHIN 5m OF BANKTOP (L)	M	H	M	H	R	P	A	H	M	H	R	P
LEFT BANK TOP (structure within 1m) BANC	U	S	U	U	S	S	U	S	U	S	U	S
LEFT BANK FACE (structure) BANC	S	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) BANC	S	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK TOP (structure within 1m) BANC	S	S	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	M	H	R	P	A	H	M	H	R	P	R	P

G. CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - see list S

Bryophytes/lichens												
Emergent broad-leaved beds												
Emergent rush/sedge/reeds												
Floating-leaved (rooted)												
Free-floating												
Amphibious												
Submerged broad-leaved												
Submerged fine-leaved												
Filamentous algae												

SITE NO. 2236

Vegetation	L	R	Vegetation	L	R
Broadleaved woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Meadow/hay (MH)	E	E	Wetland (by marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ mud vegetation (TH)			Suburban/urban development (SU)		

NATURAL/UNMODIFIED

Vegetation	L	R	Artificial/modified	L	R
Vertical/undercut	E	E	Reinforced		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gully			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set-back embankment		

TREES (tick one box per bank)

None	Left	Right	None	Percent E (2, 1/2%)
Isolated/scattered			Shading of channel	
Regularly spaced, single			Overhanging boughs	
Occasional clumps			Exposed bankside roots	
Semi-continuous			Underwater tree roots	
Continuous			Puffin trees	
			Course woody debris	

ASSOCIATED FEATURES (tick one box per feature)

None	Percent E (2, 1/2%)
Marginal dead-water	
Exposed bedrock	
Exposed boulders	
Unvegetated mid-channel bar(s)	
Vegetated mid-channel bar(s)	
Mature island(s)	
Unvegetated side bar(s)	
Vegetated side bar(s)	

WATERFALLS

None	Percent E (2, 1/2%)
Waterfall(s)	
Cascade(s)	
Rapid(s)	
Riffle(s)	
Run(s)	
Bank(s)	
Slide(s)	
Pool(s)	

Indicate predominant flow sequence (select up to three features): ...

1996 RIVER HABITAT SURVEY: DIMENSIONS AND MEASUREMENTS

LEFT BANK	Banktop width (m)	<u>4.20</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>4.20</u>	Banktop height (m)	<u>0.40</u>
Embarked height (m)	Water depth (m)	<u>0.15</u>	Embarked height (m)	

If embankment lower than banktop break in slope, indicate: height (m) = ... width (m) = ...

Bed material at site is: consolidated (strong) unconsolidated (loose) clastone

Location of measurement is: effluve rim or glide other (tick one box)

VEGETATION IMPACT

None Number of Culverts = ... Weirs = ... Outfalls = ... Fords = ...
 Footbridges = ... Roadbridges = ... Other = ...

Is water impounded by weirs/fords? No Yes, <33% of site >33% of site

VEGETATION MANAGEMENT

None Dredging Mowing Wood cutting
 Enhancement Other / State

VEGETATION SPECIES

None Artificial open water Bog Other (state) ...
 Brackish/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Fen Fluit

Is 33% or more of the channel choked with vegetation? NO YES

VEGETATION STANDS

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? ... *Mollis Rhododendron bractea*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - bombing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? = ...

Land Management: set-aside - buffer strip - woodland - abandoned land - polluted - MoD - other? = ...

Animals: other - mink - water vole - yellowfish - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly ...
 mallow, cowslip

Other significant observations: ...

S. ALDERS (tick appropriate box(es))

Alders? None Present Extensive Decayed Alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION
Altitude(m) Slope (m/km) Flow category (1-10)
Solid geology code Drift geology code Platform category
Distance from source (km) Significant tributary? Navigation?
Height of source (m) Water Quality Class

PREDOMINANT VALLEY FORM (tick one box only)
shallow vee concave/bowl (if U-shaped glacial valley - odd 'U')
deep vee symmetrical floodplain
gorge asymmetrical floodplain

NUMBER OF RIFFLES, POOLS AND POINT BARS (locate total)
Riffles 2 Unvegetated point bars 0
Pools 4 Vegetated point bars 0

COMPLETED FORMS WEEKLY plus all water samples and exposure claims TO
P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WARREN, BN20 6BB

Table with columns for Left Bank and Right Bank, Material, Bank modification, Channel features, Substrate depth, Pool type, Channel modification, Channel feature.

LAND USE WITHIN 5m OF BANKTOP (L)
Table with columns for land use types (M, R, P, B, L, etc.) and rows for Left Bank Face, Right Bank Face, and Land Use within 5m of Bank Top (R).

PLANT GENERA - list first 5
Table with columns for plant genera and rows for Bryophytes/lichens, Emergent broad-leaved herbs, Emergent reeds/hedges/rushes, Floating-leaved (rooted), Free-floating, Amphibians, Submerged broad-leaved, Submerged fine-leaved, Filamentous algae.

NO. 1254
Table with columns for Left Bank (L) and Right Bank (R) and rows for Individual wooded (IL), Open plantation (OP), Orchard (OR), Meadow/heath (MH), etc.

TREES (pick one box per feature)
Table with columns for Left and Right banks and rows for shading of channel, Overhanging boughs, Exposed bankside roots, Underwater tree roots, Fallen trees, Coarse woody debris.

WATERBODIES (pick one box per feature)
Table with columns for None, Present E, and Present B (2.1%) and rows for Waterbodies, Canals, Rapids, Riffles, Run, Bank, Channel, Pool.

CHANNEL CHARACTERISTICS AND DIMENSIONS
LEFT BANK, RIGHT BANK
Banktop width (m) 10, Banktop height (m) 0.5, Water width (m) 2, Water depth (m) 0.2, Embankment height (m) 1.5

NEEDS FOR CHANNEL MANAGEMENT
None, Dredging, Mowing, Wood cutting, Enhancement, Other? State: Water, Power, Schools

CHARACTERISTICS OF SPECIAL INTEREST
None, Waterfalls > 5m high, Artificial open water, Natural open water, Water meadow, Peat, Bog, Carr, Marsh, Flush

MAJOR IMPACTS
landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other
With Hydro electric power scheme
Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - M&D - other

1996 RIVER HABITAT SURVEY with IFE code for plant genera and species (Page 1 of 4)

A. BACKGROUND, MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____
 Solid geology code _____ Drift geology code _____ Planform category _____
 Distance from source (km) _____ Significant tributary? _____ Navigation? **NO**
 Height of source (m) _____ Water Quality Class _____

B. FIELD SURVEY DETAILS

Reference network site number: **2256**
 Mid-site grid reference of network site if different from designated location: _____

Grid Reference: **NH0374285** River: **E LCHAEG**
 Date: **4.15.1996** Time: **4:23** Surveyor name: **RUMAN** Accreditation code: **PF27**

Adverse conditions affecting survey? No Yes If yes, state: _____

Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES: _____

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles **7** Unvegetated point bars **0**
 Pools **0** Vegetated point bars **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE) for Riffles **1/1/1** Pools _____ Unveg. side bars _____ Veg point bars _____

B. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transect) - one entry only

Spot check 1 = structure	2	3	4	5	6	7	8	9	10
LEFT BANK (tick if functional feature)									
Material (M) NO, CO, GR, CL, SL, S, F, L, C, B, M, S, B, V	EA	LA	EA	EA	CO	CO	CO	EA	CO
Bank modification(s) (M) NO, B, R, F, C, B, M, S, B, V	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M) NO, B, R, F, C, B, M, S, B, V	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL (tick if functional feature)									
Channel substrate (M) NO, B, R, F, C, B, M, S, B, V	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate shape (F) NO, B, R, F, C, B, M, S, B, V	NO	NO	NO	NO	NO	NO	NO	NO	NO
Flow type (F) NO, B, R, F, C, B, M, S, B, V	UN	SM	SM	RP	RP	RP	UN	SM	UN
Channel modification(s) (M) NO, B, R, F, C, B, M, S, B, V	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (M) NO, B, R, F, C, B, M, S, B, V	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (tick if functional feature)									
Material (M) NO, B, R, F, C, B, M, S, B, V	CO	EA	EA	EA	CO	CO	CO	EA	CO
Bank modification(s) (M) NO, B, R, F, C, B, M, S, B, V	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M) NO, B, R, F, C, B, M, S, B, V	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CL, OL, BR, BC, TR, RP, RL, RL, OR, BR

LAND USE WITHIN 5m OF BANKTOP (L)	1	2	3	4	5	6	7	8	9	10
LEFT BANK-TOP (structure within 1m) (M) NO, B, R, F, C, B, M, S, B, V	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) (M) NO, B, R, F, C, B, M, S, B, V	U	U	B	B	B	B	B	B	B	B
RIGHT BANK-TOP (structure within 1m) (M) NO, B, R, F, C, B, M, S, B, V	B	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure) (M) NO, B, R, F, C, B, M, S, B, V	B	B	B	B	B	B	B	B	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

A. CHANNEL VEGETATION (tick all that apply)

None PLANT GENERA - list first 5

None	1	2	3	4	5	6	7	8	9	10
Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

SITE NO. 2256

C. CHANNEL VEGETATION (tick all that apply)

None	L	R	L	R
Broadleaved woodland (BL)				
Coniferous plantation (CP)		E		
Orchard (OR)				
Masthead/banks (MR)				
Scrub (SC)				
Tall herbs and vegetation (TH)				

D. CHANNEL VEGETATION (tick all that apply)

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut		E	Reinforced		
Vertical + inc			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		E
			Set-back embankments		

E. CHANNEL VEGETATION (tick all that apply)

None	Left	Right	None	Percent E (≥33%)
Shading of channel				
Overhanging boughs				
Exposed bankside roots				
Underwater tree roots				
Fallen trees				
Coarse woody debris				

F. CHANNEL VEGETATION (tick all that apply)

None	Present E	Percent E (≥33%)
Waterfall(s)		
Cascade(s)		
Rapid(s)		
Riffle(s)		
River(s)		
Bank(s)		
Glide(s)		
Pool(s)		

G. CHANNEL VEGETATION (tick all that apply)

None	Present E	Percent E (≥33%)
Marginal deadwater		
Exposed bedrock		
Exposed boulders		
Unvegetated mid channel bar(s)		
Vegetated mid channel bar(s)		
Mature island(s)		
Unvegetated side bar(s)		
Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): **P. Riffle** **R.**

1996 RIVER HABITAT SURVEY: DIMENSIONS AND MEASUREMENTS

A. CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	13.50	RIGHT BANK	Banktop height (m)	1.0
Banktop height (m)	1.10	Water width (m)	11.20	Banktop height (m)	1.0
Embanked height (m)	X	Water depth (m)	0.12	Embanked height (m)	1.0

If trapezium lower than banktop break in slope, indicate: height (m) = X width (m) =

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

B. CHANNEL VEGETATION (tick all that apply)

None Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____
 Roadbridges = _____ Rockbridges = _____ Other = _____

Is water impounded by weir/dam? No Yes, <33% of site >33% of site

C. EVIDENCE OF RECENT MANAGEMENT (tick all that apply)

None Dredging Mowing Wood-cutting
 Enhancement Other? State: _____

D. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None Waterfalls > 5m high Artificial open water Bog Other (state) _____
 Braided/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Fens Flush

F. CHOKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO YES

G. NOTABLE NON-ARCTIC PLANT GENERA (tick all that apply)

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Name: *Rhododendron bracteatum*

H. MAJOR IMPACTS (tick all that apply)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - silting - other? = _____

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? = _____

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: **Large deposits of silt/clay on RC** **yearly silt for 2-3m in gully and long riffle** **with runs** **specifically glacial valley**

I. ALDERS (tick appropriate box(es))

Alders? None Present Extensive Diversed Alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: **2277**
 Mid-site grid reference of network site if different from designated location:
 Grid Reference: **NG-804169** River: **AHH Mor**
 Date: **3/5/1996** Time: **14:00** Surveyor name: **JJL** Accreditation code: **PP43**

Adverse conditions affecting survey? No Yes If yes, state:
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total)

Riffles **11** Unvegetated point bars **0**
 Pools **0** Vegetated point bars **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAKERAM, BH20 6BS

TALLY (see IFE) for - Riffles (1) Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) (1m wide transect only)

Spot check 1 m ² upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK TCKX (functional feature)	BE	EA	CO	EA	EA	EA	EA	ES	EA	OO
Material ^{BY, BL, BO, CO, EA, FL, GL, GR, NY, NY, NY, NY, NY}	BE	EA	CO	EA	EA	EA	EA	ES	EA	OO
Bank modification(s) ^{NY, NY, NY, NY, NY, NY, NY, NY, NY, NY, NY}	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) ^{NY, NY, NY, NY, NY, NY, NY, NY, NY, NY, NY}	NO	SB	SB	NO	SB	SB	NO	SB	NO	NO
CHANNEL TNEY (functional feature)	BE	CO	CO	CO	EP	CO	BO	BE	RO	BO
Channel substrate ^{NY, NY, NY, NY, NY, NY, NY, NY, NY, NY, NY}	BE	CO	CO	CO	EP	CO	BO	BE	RO	BO
Substrate shape ^{FL, OV, EL, SP, CU, PO, DL, Other -}	-	2P	FL	EA	FL	EP	IR	-	FL	EP
Flow type ^{FF, CH, SN, CH, SN, RP, RP, RP, CH, CH, FF}	CH	SN	CH	SN	RP	RP	RP	CH	CH	FF
Channel modification(s) ^{NY, NY, NY, NY, NY, NY, NY, NY, NY, NY, NY}	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) ^{NY, NY, NY, NY, NY, NY, NY, NY, NY, NY, NY}	NO	RO	RO	RO	RO	RO	RO	RO	RO	RO
RIGHT BANK TCKX (functional feature)	EA	BO	EA	BO	EA	EA	EA	BO	BO	BO
Material ^{BY, BL, BO, CO, EA, FL, GL, GR, NY, NY, NY, NY, NY}	EA	BO	EA	BO	EA	EA	EA	BO	BO	BO
Bank modification(s) ^{NY, NY, NY, NY, NY, NY, NY, NY, NY, NY, NY}	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) ^{NY, NY, NY, NY, NY, NY, NY, NY, NY, NY, NY}	NO	NO	SB	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, NR, SC, TR, RL, GL, NY, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	SC	TRH	MH	MH	MH	MH	BL	MH	MH
LEFT BANK-TOP (structure within 1m) BANSIC	S	S	G	U	U	U	U	S	U	U	
LEFT BANK FACE (structure) BANSIC	U	B	B	U	U	U	U	U	U	U	
RIGHT BANK FACE (structure) BANSIC	U	S	U	S	U	U	U	B	S	S	
RIGHT BANK-TOP (structure within 1m) BANSIC	S	S	U	U	U	U	U	S	S	S	
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	MH	MH	MH	MH	MH	BL	MH	BL	

G. CHANNEL VEGETATION AT BES (1m wide transect)

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rubus										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

NO. **2277**

	L	R		L	R
A natural woodland (NL)	E	E	Rough pasture (RP)		
Cross plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Meadow/bank (MO)	E	E	Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Terrace/mast vegetation (TH)			Suburban/urban development (SU)		

VEGETATION

	L	R	Artificial/modified	L	R
N Unmodified					
V Unnatural	E	E	Reinforced		
V1 + toe			Reinforced - whole bank		
Slope (>45°)			Reinforced - top only		
G			Reinforced - toe only		
Ct			Artificial two-stage		
			Paucal		
			Embankment		
			Set back embankments		

RELATIONSHIP BETWEEN TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None <input type="checkbox"/>	Present E (>11%) <input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

None	<input type="checkbox"/>	<input type="checkbox"/>	Marginal dead-water	None <input type="checkbox"/>	Present E (>11%) <input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

predominant flow sequence (select up to three features): **Chute Rapid Run**

1996 RIVER HABITAT SURVEY (ADDITIONAL DIMENSIONS AND MEASUREMENTS)

A. CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	2.5	RIGHT BANK		
Banktop height (m)	0.20	Water width (m)	0.2	Banktop height (m)	0.30
Embankment height (m)		Water depth (m)	0.2	Embankment height (m)	

If banktop lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

B. ARTIFICIAL FEATURES

None Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =

Is water impounded by weirs/dams? No Yes, <33% of site >33% of site

C. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None Dredging Mowing Wood-cutting
 Enhancement Other? State: _____

D. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None Waterfalls > 5m high Artificial open water Bog Other (state) _____
 Braided/side channels Natural open water Cart
 Debris dams Water meadow Marsh
 Lumpy debris Pen Fleck

E. CHANNEL CHANNEL

Is 33% or more of the channel channel with vegetation? NO YES

F. LARGE STANDS

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? *Nettle Rhododendron bracken*

G. MAJOR IMPACTS

landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - bombing - mining - quarrying - overgrazing - afforestation - fisheries management - siltation - other? =

H. LAND MANAGEMENT

set aside - buffer strip - woodland - shadedwood lead - parkland - MoD - other? =

I. ANIMALS

otter - mink - water vole - kingfisher - dipper - grey heron - sand martin - heron - dragonfly/damselfly

J. OTHER SIGNIFICANT OBSERVATIONS

On the bank there is a very small area of water which is very shallow and is a good habitat for the spawning of fish.

K. ALDERS (tick appropriate box(es))

Alders: None Present Extensive Diseased Alders: None Present Extensive

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Mainform category
Distance from source (km)	Significant tributary?	Navigation? NO
Height of source (m)	Water Quality Class	

B. FIELD SURVEY DETAILS

Reference network site number: **2279**
 Mid-site grid reference of network site if different from designated location:

Grid Reference: **NH06E113** River: **CLUANIE**
 Date: **9.1.1996** Time: **17:14** Surveyor name: **DUNCA** Accreditation code: **PP27**

Adverse conditions affecting survey? No Yes If yes, state

Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C. PREDOMINANT VALLEY FORM

(tick one box only)

shallow vee concave/bowl
 (if U-shaped glacial valley - add "U")

deep vee symmetrical floodplain

gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D. NUMBER OF RIPPLES, POOLS AND POINT BARS

Ripples: **10** Unvegetated point bars: **3**
 Pools: **0** Vegetated point bars: **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) = one entry only

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

LEFT BANK (TICK IF FUNCTIONAL FEATURE)

Material	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	EC	SB	PB	EC	EC	EC	PB	EC	SB	EC

CHANNEL

Channel substrate	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	IR	IR	CU	OV	OV	OV	OV	OV	OV	OV
Flow type	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK (TICK IF FUNCTIONAL FEATURE)

Material	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	PB	SB	EC	SB	SB	SB	EC	SB	SB	SB

F. BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from B, C, D, M, K, T, R, A, E, W, O, U

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP structure within 1m	U	U	B	U	U	B	U	B	U	U
LEFT BANK FACE (structure)	B	U	B	U	B	U	B	B	U	U
RIGHT BANK FACE (structure)	B	B	B	B	B	U	B	B	B	B
RIGHT BANK-TOP structure within 1m	U	U	U	U	U	U	U	B	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

G. CHANNEL VEGETATION TYPE

NONE / PLANT GENERA - list first 5	✓									
Bryophytes/lichens								✓		
Emerg broad-leaved herbs										
Emerg reeds/rushes/ragwort										
Floating-leaved (rooted)				✓				✓		
Free-floating										
Ambiguous										
Submerged broad-leaved									✓	
Submerged fine-leaved										✓
Ephemeral algae										

SITE NO. **2279**

	L	R		L	R
Broadleaved woodland (BL)			Rough grass (RP)	E	E
Coniferous plantation (CP)			Improved/well-improved grass (IC)		
Orchard (OR)			Tilled land (TL)		
Macrobenthos (MI)	✓	✓	Wetland (eg bog, marsh, fen) (WJ)	✓	✓
Scrub (SC)			Open water (OW)	✓	✓
Tall herbs' sward vegetation (TH)			Suburban/urban development (SU)	✓	✓

VEGETATION

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/vertical	E	E	Recessed		
Vertical + toe	E	E	Reinforced - whole bank		
Slope (>45)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embedded		
			Set-back embankment		

TREES (tick one box per bank)

None	Left <input checked="" type="checkbox"/>	Right <input checked="" type="checkbox"/>	None	Percent E (2-33%)
Isolated/wetland	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Coarse woody debris	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

None	<input type="checkbox"/>	Marginal deadwater	None	Percent E (2-33%)
Exposed bedrock	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	
Mature island(s)	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	
Vegetated side bar(s)	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	

Indicate predominant flow sequence (select up to three features): **P/B/E - Ghile**

B. CHANNEL DIMENSIONS AND ENERGIES

LEFT BANK	Banktop width (m)	16.0	RIGHT BANK	
Banktop height (m)	Water width (m)	14.1	Banktop height (m)	0.5
Embankment height (m)	Water depth (m)	0.08	Embankment height (m)	

If bankline lower than banktop break in slope, indicate: height (m) = **X** width (m) = **Y**

Bed material at site is: consolidated (compact) unconsolidated (loose) Unknown

Location of measurement is: riffle run or glide other? (tick one box)

FEATURES OF INTEREST

None Number of Culverts = **1** Weirs = **0** Outfalls = **0** Ferds = **0**
 Footbridges = **0** Roadbridges = **0** Other = **0**

Is water impounded by weir/culvert? No Yes, <15% of site >15% of site

EVIDENCE OF BANK COLLAPSE

None Dredging Moving Wood-cutting
 Embankment Other? State: **Other? State**

FEATURES OF SPECIAL INTEREST

None Waterfalls > 5m high Artificial open water Bog Other (state)
 Braided/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Fen Flush

CHOKED CHANNEL

Is 33% or more of the channel choked with vegetation? NO YES

NON-TREED STANDS OF OTHER PLANTS

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? - Notic Rhododendron bractea

RAVINE CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overfishing - afforestation - fisheries management - siltation - other? = **Other? State**

Land Management: set-back - buffer strip - broadland - abandoned land - parkland - MoD - other? = **Other? State**

Animals: otter - snake - water vole - longfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: **Mosses in Ghile Alley, V. base deposit of V. very water, etc. in stream. Occasional Alders (tick appropriate boxes)**

Alders? None Present Extensive Disturbed Alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 2280
 Mid-site grid reference of network site if different from designated location:

Grid Reference: N11197137 River: DOE
 Date: 2/5/1996 Time: 12:21 Surveyor name: DUNN Accreditation code: PF27

Adverse conditions affecting survey? No Yes If yes, state _____

Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C. PREDOMINANT VALLEY FORMS (tick one box only)

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFLES, POOLS AND POINT BARS (tick case total number)

Rifles 6 Unvegetated point bars 0
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRERAM, 6H20 688

A. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1 is upstream downstream

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

LEFT BANK TICK if functional focus

Material <u>W, S, G, C, D, E, L, P, O, R, M, B, N, Y</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>W, N, O, R, S, P, C, B, M, B, N</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>W, N, O, R, S, P, C, B, M, B, N</u>	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB

CHANNEL TICK if functional focus

Channel substrate <u>W, S, G, C, D, E, L, P, O, R, M, B, N, Y</u>	RO	RO	RO	RO	RO	RO	RO	RO	RO	RO
Substrate shape <u>FL, OV, CL, PU, CO, PO, R, O, M, B, N, Y</u>	IR	OV	OV	IR	IR	IR	OV	OV	OV	OV
Flow type <u>FL, OV, CL, PU, CO, PO, R, O, M, B, N, Y</u>	UN	LP	UN	UN	UN	UN	UN	UN	UN	UN
Channel modification(s) <u>W, N, O, R, S, P, C, B, M, B, N</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>W, N, O, R, S, P, C, B, M, B, N</u>	RO	RO	RO	RO	RO	RO	RO	RO	RO	RO

RIGHT BANK TICK if functional focus

Material <u>W, S, G, C, D, E, L, P, O, R, M, B, N, Y</u>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>W, N, O, R, S, P, C, B, M, B, N</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>W, N, O, R, S, P, C, B, M, B, N</u>	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB

F. BANKTOP LAND USE AND VEGETATION STRUCTURES (to be assessed over a 10m wide transect)

Land use: choose one from EL, OF, OL, NH, SC, TR, BP, RO, FL, WL, OW, SU

LAND USE WITHIN 5m OF BANKTOP (L)	MH	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK-TOP (structure within 1m) <u>BUSC</u>	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <u>BUSC</u>	B	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure) <u>BUSC</u>	U	B	B	U	U	U	U	B	U	U
RIGHT BANK-TOP (structure within 1m) <u>BUSC</u>	U	B	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

G. CHANNEL VEGETATION TYPES (tick one box only)

NONE	PLANT GENERA - Est. Est. 5									
Bryophytes/lichen										
Emergent broad-leaved herbs										
Emergent reeds/edges/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

2280

Ref. natural woodland (NL)										
C. tree plantation (CP)										
Orchard (OR)										
Moorland/heath (MH)										
Sea (SC)										
Terrace/road vegetation (TR)										

VEGETATION

Natural/unmodified	L	R	Artificial/modified	L	R
Vegetation			Recessional		
Vegetation			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Coastal			Artificial two-stage		
			Poached		
			Embarked		
			Set-back embankments		

1.3. CHANNELS AND ASSOCIATED FEATURES

TREES (tick one box per bank)

None	Left	Right	Associated FEATURES (tick one box per feature)
isolated/scattered	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel <input type="checkbox"/> None <input type="checkbox"/> Present E (2-33%)
regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs <input type="checkbox"/>
occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots <input type="checkbox"/>
semi continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots <input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees <input type="checkbox"/>
			Course woody debris <input type="checkbox"/>

1.4. CHANNEL CHARACTERISTICS

Waterfalls(s)	None <input checked="" type="checkbox"/>	Present E <input type="checkbox"/>	Marginal dead-water	None <input type="checkbox"/>	Present E (2-33%) <input type="checkbox"/>
Cascades(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapids(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
cut(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
oile(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ohide(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

predominant flow sequence (select up to three features): Riffle - Cut/ohide

1.2. CHANNEL DIMENSIONS AND DIMENSIONS

LEFT BANK	Banktop width (m)	<u>25</u>	RIGHT BANK		
Banktop height (m)	<u>0.6</u>	Water width (m)	<u>25</u>	Banktop height (m)	<u>0.6</u>
Embarked height (m)		Water depth (m)	<u>0.5</u>	Embarked height (m)	

If transect lower than banktop break in slope, indicate: height (m) = X width (m) = Y

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

1.5. PHYSICAL ATTRIBUTES

None Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0
 Is water impounded by weir/dam? No Yes, <33% of site >33% of site

DEPENDENCE OF RECENT MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other? State _____

1.6. FEATURES OF SPECIAL INTEREST

None Waterfalls > 5m high Artificial open water Bog Other (state)
 Branded/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Fen Flank

1.7. CROCKED CHANNEL (tick one box)

Is 33% or more of the channel choked with vegetation? NO YES

1.8. REMARKABLE PLANT SPECIES OR LARGE STANDS OF PLANTS

None Giant Hogweed Himalaya Balsam Japanese Knotweed Other? Nettle Rhododendron bractea

1.9. RIVER CHANNEL CHARACTERISTICS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - siting - other? = _____

Land Management: set-back - buffer strip - bedload - abandoned load - partitioned - MoD - other? = _____

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: Large river with a braided 80% this reach of 200m in '93 up the bank - Long riffles

1.10. ALDERS (tick appropriate boxes)

Alders' None Present Extensive Overcast Alders' None Present Extensive

1996 RIVER HABITAT SURVEY: 10 SPOT CHECKS Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

B. FIELD SURVEY DETAILS

Reference network site number: 2281
 Mid-site grid reference of network site if different from designated location:

Grid Reference: NA1283131 River: ALLY BAZLAN T. JEM B. VIL
 Date: 5/5/1996 Time: 10:21 Surveyor name: JULIAN Accreditation code: FF 27

Adverse conditions affecting survey? No Yes If yes, state:

Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box) (1)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box) (2)

Site surveyed from: left bank right bank channel (tick as appropriate)

C. DOMINANT VALLEY FORM (tick one box only)

shallow vee concave-bowl
 (if U-shaped glacial valley - add 'U')
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles: 8 Uegetated point bars: 0
 Pools: 4 Uegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. N. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6SS

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE for details) Pool: (11) Ueget. side bars: Yes/No

B. PHYSICAL ATTRIBUTES

Spot check 1: upstream downstream

Material (W, R, CO, CL, SL, PL, CL, CP, W, CL, R, L, M, B, V)	BO	BE	BE	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 substrate (W, R, CO, CL, SL, PL, CL, CP, W, CL, R, L, M, B, V)	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Substrate shape (FL, OV, EL, CP, PO, R, CH, M, S, W)	X	X	X	X	X	X	X	X	X	X
Flow type (FL, CH, UN, UR, UR, UR, UR, UR, UR)	NP	FE	BW	CE	RP	RP	EM	RP	UN	UN
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

Material (W, R, CO, CL, SL, PL, CL, CP, W, CL, R, L, M, B, V)	EA	RE	RE	RE	RE	RE	RE	RE	RE	RE
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from (L, CP, DR, MR, SC, SK, SP, SL, FL, WL, OW, SW)

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK TOP (structure within 1m) BANK	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BANK	S	B	U	U	S	S	B	B	U	U
RIGHT BANK FACE (structure) BANK	S	B	U	U	S	S	B	B	U	U
RIGHT BANK TOP (structure within 1m) BANK	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

D. BANKTOP VEGETATION (tick one box only)

NONE PLANT GENERA - list first 5

Bryophytes/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emerg reeds/sedges/rushes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating-leaved (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerg fan-linear-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SITE NO. 2281

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/non-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Suburban/urban development (SU)	V	E

SCULPTURE

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical + rock	2	2	Reinforced		
Slope (>45°)			Reinforced - whole bank		
Gentle			Reinforced - top only	V	V
Composite			Reinforced - toe only		
			Artificial two-stage		
			Poached		
			Embanked	V	V
			Set-back embankment		

TREES (tick one box per bank)

None	Left	Right	None	Present E (2, 3, 4)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Scattered continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>
			Current woody debris	<input checked="" type="checkbox"/>

SCULPTURE

Waterfall(s)	None	Present E	Marginal dead-water	None	Present E (2, 3, 4)
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Uegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rune(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Glade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Uegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): CW - RAN -> RFF

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCE

LEFT BANK	Banktop width (m)	2.60	RIGHT BANK	Banktop width (m)	0.68
Banktop height (m)	0.6	Water width (m)	2.50	Banktop height (m)	0.68
Embanked height (m)	X	Water depth (m)	0.07	Embanked height (m)	X

If trapezium lower than banktop bank in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact) unconsolidated (loose) Chalkstone

Location of measurement is: riffle run or glide other (tick one box)

M. ARTIFICIAL STRUCTURES

None Number of Culverts = Weirs = 1
 Footbridges = Roadbridges = 1
 Outfalls = 2
 Fords = 2

Is water impounded by weir/barrage? No Yes, <33% of site >33% of site

N. EVIDENCE OF RIVER MANAGEMENT

None Dredging Moving Wood-casing
 Enhancement Other? Static

O. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None
 Waterfalls > 5m high Artificial open water Bog Other (state)
 Braided/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Fen Flush

P. CHOKED CHANNELS

Is 33% or more of the channel choked with vegetation? NO YES

Q. NOTABLE RIVER BANK VEGETATION (tick appropriate box(es))

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Nettle, Rhododendron branches

R. OBSERVATIONS OF SPECIAL INTEREST (tick appropriate box(es))

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail industry - bombing - mining - quarrying - over-depositing - afforestation - fisheries management - silting - other? =

Land Management: set-back - buffer strip - sward - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: *Red pipe clays from gorge (W) -> clear-vee at ups pt a - water has been placed with water along than away (for bin dam stream) with bin garden - exposed bedrock with dam - from flow through pipes - W1 - flow mainly riffs - W1 - thick / rapid*

S. ALDERS (tick appropriate box(es))

Alders? None Present Extensive Disused Alders? None Present Extensive

1996 RIVER HABITAT SURVEY WITH RIFLES FOR PLANT GENERA AND POINT BARS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 7285
 Mid-site grid reference of network site if different from designated location:
 Grid Reference: N1164013 River: P. ESTON
 Date: 22.5.1996 Time: 16:35 Surveyor name: J. G. W. (P. H. H. K.) Accreditation code: PF9
 Adverse conditions affecting survey? No Yes If yes, state:
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D NUMBER OF RIFLES, POOLS AND POINT BARS

Rifles: 6 Unvegetated point bars: 3
 Pools: 6 Vegetated point bars: 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see PD) for: Rifles Pools Unveg. side bars Veg. point bars

E PHYSICAL ATTRIBUTES (for the riparian areas channel within 4m wide transect) - use only one!

Spot check (1-10)	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
RIGHT BANK										

F BANKTOP LAND USE AND VEGETATION STRUCTURE (for the riparian area 4m wide transect)

Land use: choose one from BL, CL, DL, HL, IL, PL, RL, SL, TL, VL, WL, XL, YL, ZL

LAND USE WITHIN 5m OF BANKTOP (L)	BL	CL	DL	HL	IL	PL	RL	SL	TL	VL	WL	XL	YL	ZL
LEFT BANK TOP (structure within 5m)														
LEFT BANK FACE (structure)														
RIGHT BANK TOP (structure within 5m)														
RIGHT BANK FACE (structure)														
LAND USE WITHIN 5m OF BANK TOP (R)														

G PLANT GENERA - list from S

PLANT GENERA	BL	CL	DL	HL	IL	PL	RL	SL	TL	VL	WL	XL	YL	ZL
Bryophytes/lichens														
Emergent broad-leaved herbs														
Emergent reeds/sedge/watercress														
Flowering reeds (round)														
Free-floating														
Amphibious														
Submerged broad-leaved														
Submerged fine-leaved														
Filamentous algae														

SITE NO. 7285

TYPE	L	R	TYPE	L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Meadow/hay (MH)			Washed (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/semi-vegetation (TH)			Suburban/urban development (SU)		

NATURAL/MODIFIED

Natural/modified	L	R	Artificial/modified	L	R
Vertical/obscure			Recessed		
Vertical + toe			Reinforced - whole bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embanked		
			Set back embankment		

TYPES (tick one box per bank)

Type	None	Left	Right
Intolerant/acidic			
Regularly spaced, single			
Occasional clumps			
Semi-continuous			
Continuous			

ASSOCIATED FEATURES (tick one box per feature)

Feature	None	Present E (2/3/5)
Shading of channel		
Overhanging banks		
Exposed boulders		
Underwater tree roots		
Fallen trees		
Carrot weedy debris		

WATERFALLS

Waterfall	None	Present E (2/3/5)
Waterfall(s)		
Caudec(s)		
Rapid(s)		
Riffle(s)		
Roil(s)		
Bank(s)		
Chute(s)		
Pool(s)		

Indicate predominant flow sequence (select up to three features): CAS (AD3) - (S) (S) (S)

CHANNEL DIMENSIONS AND CHARACTERISTICS

LEFT BANK	Banktop width (m)	10.50	RIGHT BANK	Banktop width (m)	10.50
Banktop height (m)	1.00	Water width (m)	10.50	Banktop height (m)	1.00
Embankment height (m)	-	Water depth (m)	0.15	Embankment height (m)	-

If banktop lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement in: riffle run or glide other (tick one box)

NATURAL FEATURES

None Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Railbridges =
 Is water impounded by weirs? No Yes, <33% of site >33% of site

REVISIONS TO CHANNEL

None Dredging Moving Wind-eroding
 Embankment Other? State:

CHANNEL CHARACTERISTICS

Characteristic	None	Present E (2/3/5)
Waterfalls > 5m high		
Recessed/side channels		
Debris dams		
Leafy debris		
Artificial open water		
Natural open water		
Water meadow		
Fox		
Bog		
Car		
Marsh		
Flank		

Is 33% or more of the channel choked with vegetation? NO YES

VEGETATION

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? *Notia Rhododendron fructus*

MAJOR IMPACTS: bankfill - slipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - habitat management - silt - other? =

Lead Management: set-back - buffer strip - bankfill - abandoned land - putland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - heron - grey heron - sand martin - heron - dragonfly/damselfly

Other significant observations:

ALDERS (tick appropriate box(es))

Alders? None Present Extensive Overgrown Alders? None Present Extensive

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____
 Solid geology code _____ Drift geology code _____ Planform category _____
 Distance from source (km) _____ Significant tributary? _____ Navigation? _____
 Height of source (m) _____ Water Quality Class _____

B. FIELD SURVEY DETAILS

Reference network site number: 2286
 Mid-site grid reference of network site if different from designated location: _____

Grid Reference: M11730183 River: FINDHORN
 Date: 23.5.1996 Time: 12.35 Surveyor name: JS Accreditation code: PP9

Adverse conditions affecting survey? No Yes If yes, state: _____
 Bed of river visible? No partially entirely (1) (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C. DOMINANT VALLEY FORMS

shallow vee concave/bowl (if U-shaped glacial valley add "U") U
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES: _____

Riffles 6 Unvegetated point bars 1
 Pools _____ Vegetated point bars _____

END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 K. DAVSON, IFE, RIVER LABORATORY, EAST STOCK, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: SPOT CHECKS (Page 2 of 4)

TALLY (see 20) for RIFLES 11 Pools _____ Unveg. side bars _____ Veg point bars _____

B. PHYSICAL ATTRIBUTES

Spot check 1 (1): vegetation structures

LEFT BANK: VEGETATION	1	2	3	4	5	6	7	8	9	10
Material (W, M, S, C, B, R, L, P, G, F, D, O, N, V, U)	ST	ST	SA	SA	RR	RR	EA	SO	RR	RR
Bank modification(s)	NO	NO	NO	NO	RT	RT	RT	RT	RT	RT
Bank feature(s)	BC	SC	SC	NO	NO	NO	NO	NO	NO	NO
Channel substrate	CO	CO	RO	RO	CO	CO	W	BO	BO	W
Substrate shape	OV	OV	OV	OV	OV	OV	-	OV	OV	-
Flow type	WW	WW	RP	RP	UN	UN	RP	UN	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	NO	NO	RO	RO	MB	MB	RO	RO	RO
RIGHT BANK: VEGETATION	1	2	3	4	5	6	7	8	9	10
Material	EA	EA	EA	CO	EA	CO	CO	CO	BO	BO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SB	SB	VS	NO	EC	EC	EC	PR	PR

C. BANKTOP LAND USE AND VEGETATION STRUCTURES

Land use: choose one from R, CP, DS, RS, SC, TR, RZ, RZ, RL, OV, ST

LAND USE WITHIN 5m OF BANKTOP (L)	RT	RP	RP	RP	ES	ES	IS	IS	IS	IS
LEFT BANK TOP (structure within 5m) 5000C	U	S	S	U	U	U	U	U	U	U
LEFT BANK FACE (structure) 5000C	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) 5000C	S	S	U	S	S	B	B	B	B	B
RIGHT BANK TOP (structure within 5m) 5000C	S	S	S	U	U	S	U	U	B	B
LAND USE WITHIN 5m OF BANK TOP (R)	RT	RP	RP	RP	ES	ES	IS	IS	IS	IS

D. BANKTOP VEGETATION COVER

NONE / PLANT GENERA - see Box 5										
Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent rush/cyperus/grasses										
Flowering herb (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submersive floating-leaved										
Phanerogam of grass										

2286

Bank/bedrock weathered (BL)										
Coarse granitic (C)										
Ordinary (O)										
Marbled/banded (M)										
Bank (B)										
Tall herbs and vegetation (TV)										

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/obscure			Reinforced		
Vertical + top			Reinforced - whole bank		
Top (> 45°)			Reinforced - top only		
Grade			Reinforced - toe only		
Concrete			Reinforced - toe only		
			Reinforced - toe only		
			Reinforced - toe only		
			Reinforced - toe only		

TERMS (tick one box per bank)

None	Low	High
Bank/bedrock		
Regularly spaced, single		
Occasional clump		
Semi-continuous		
Continuous		

ASSOCIATED FEATURES (tick one box per feature)

Shading of channel	None	Present E (2.5%)
Overhanging boughs		
Exposed bankside roots		
Underwater tree roots		
Poles trees		
Coarse woody debris		

Waterfall(s)	None	Present E (2.5%)
Canoe(s)		
Rapid(s)		
Riffle(s)		
Pool(s)		
Bank(s)		
Old(s)		
Point(s)		

Indicate predominant flow sequence (select up to three features): RIFFLS/RAPID/POOL

2286

LEFT BANK	Banktop width (m)	<u>38.00</u>	RIGHT BANK	Banktop width (m)	<u>0.60</u>
Banktop height (m)	Water width (m)	<u>38.00</u>	Banktop height (m)	Water width (m)	<u>0.60</u>
Embedded height (m)	Water depth (m)	<u>0.45</u>	Embedded height (m)	Water depth (m)	<u>0.45</u>

If gradient lower than banktop bank in slope, indicate: height (m) = _____ width (m) = _____

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

STRUCTURAL FEATURES

None Number of Culverts = _____ Weirs = _____ Outfalls = _____ Poles = _____
 Featherlegs = _____ Roadbridges = _____
 Is water impounded by weir/dam? No Yes, < 15% of site > 15% of site

None Dredging Mowing Wood-cutting
 Enhancement Other 1, 2, 3, 4

VEGETATION

None Waterfalls > 5m high Artificial open water Bog Other (state) _____
 Braked/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Lush debris Fen Flush

Is 15% or more of the channel channel with vegetation? NO YES

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

Major impacts: bankfill - dipping - block - surge - pollution - drought - obstruction - spill - dam - road - rail delivery - loading - mining - quarrying - over-spilling - afforestation - substrate management - drying - other = _____

Land Management: set-back - buffer strip - bankfill - standard bed - partition - MeD - other = _____

Ambient: one - side - water vole - Kingfisher - dipper - grey heron - mallard - moor - dragonfly/damselfly - black-headed gull, grey heron

Other significant observations: CRAMON PONDING ON THIS SECTION OF RIVER / DOSE SPREADING ON SMALL WETLANDS BETWEEN THIS SECTION OF RIVER

Abbrev: None Present Extensive Damaged Abbrev: None Present Extensive

1996 RIVER HABITAT SURVEY (with IFE mod) for plant genera and features: Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 2300
 Mid-site grid reference of network site if different from designated location:

Grid Reference: NG 871042 River: R Annidab
 Date: 5/5/1996 Time: 11:20 Surveyor name: J.S.L. Accreditation code: PF41
 Adverse conditions affecting survey? No Yes If yes, state:
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box only)

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total channel)

Riffles: 4 Unvegetated point bars: 0
 Pools: 2 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOEK, WARRNAM, 320 688

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (see PDF) for Riffles: 1111 Points Using slide bars Veg point bars

B PHYSICAL ATTRIBUTES (to be assessed across channel within 2.5m wide transect) - one only only

Spot check 1 to 10 upstream downstream

LEFT BANK	Material	NO	GO	EA	BO	NO	EA	GO	EA	BO	BO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SB	SB	SB	NO	SB	SB	NO	NO	NO	NO
Channel substrate	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO	NO
Substrate shape	FL	OV	FL	OV	FL	OV	FL	OV	FL	OV	FL
Flow type	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
Channel feature(s)	RO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	Material	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank modification(s)	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

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from FL, CF, DL, ML, SC, TH, SP, RC, FL, RL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	ML	ML	ML	ML	ML	ML	ML	ML	ML	ML	ML
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK FACE (structure)	S	S	S	S	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	ML	ML	ML	ML	ML	ML	ML	ML	ML	ML	ML

G CHANNEL VEGETATION (tick appropriate)

NONE	PLANT GENERA - list form 5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/lichens											
Emergent broad-leaved herbs											
Emergent reeds/sedges/rushes											
Floating-leaved (rooted)											
Free-floating											
Ambiguous											
Submerged broad-leaved											
Submerged fine-leaved											
Filamentous algae											

SITE NO. 2300

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)	E	E	Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs / rank vegetation (TH)			Suburban/urban development (SU)		

VEGETATION MODIFICATION

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical undercut	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite			Artificial two-stage		
			Propped		
			Embedded		
			Sci-tech embankment		

TREES (tick one box per bank)

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (≥1%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scattered continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WATERFALLS AND OTHER FEATURES

Waterfall(s)	None	Present E	Margin/ deadwater	None	Present E (≥1%)
Cascade(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Nature shade(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

1996 RIVER HABITAT SURVEY - DIMENSIONS AND MEASUREMENTS

LEFT BANK	Banktop width (m)	15.5	RIGHT BANK		
Banktop height (m)	0.5	Water width (m)	15.0	Banktop height (m)	0.5
Embedded height (m)		Water depth (m)	0.45	Embedded height (m)	

If transect lower than banktop bank in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

FEATURES OF CHANNEL VEGETATION

None Number of Culverts = Weirs = Overfalls = Fords =
 Footbridges = Roadbridges =
 Is water impounded by weirs? No Yes, <33% of site >33% of site

MANAGEMENT OF CHANNEL VEGETATION

None Dredging Moving Wood-cutting
 Enhancement Other? State:

FEATURES OF SPECIAL INTEREST (tick appropriate)

None Waterfalls > 5m high Artificial open water Bog Other (state)
 Bedded/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Fens Flush

CHOKED CHANNELS

Is 33% or more of the channel choked with vegetation? No YES

STANDS OF ALDERS

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Nettle, Rhododendron brachyotum

MAJOR IMPACTS: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? =

LAND MANAGEMENT: set-aside - buffer strip - hedland - abandoned land - parkland - MoD - other? =

ANIMALS: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

OTHER SIGNIFICANT OBSERVATIONS:
 Entering the site

S. ALDERS (tick appropriate box(es))

Alders? None Present Extensive Dilapidated Alders? None Present Extensive

1996 RIVER HABITAT SURVEY with riparian plants for plant genetic and feeding Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____
 Solid geology code _____ Drift geology code _____ Platform category _____
 Distance from source (km) _____ Significant tributary? _____ Navigation? **NO**
 Height of source (m) _____ Water Quality Class _____

FIELD SURVEY DETAILS

Reference network site number: **2303**
 Mid-site grid reference of network site if different from designated location: _____

Grid Reference: **NH135012** River: **ALT - NA H - E R T L**
 Date: **5/5/1996** Time: **3:10** Surveyor name: **Duncan** Accreditation code: **PF27**

Adverse conditions affecting survey? No Yes If yes, state: _____

Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box) (2)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES: _____

NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)

Rifles **20** Unvegetated point bars **0**
 Pools **3** Vegetated point bars **0**

COMPLETED FORMS WEZEEL plus all water samples and expenses claims TO
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOCK, WARRAN, BH20 4BB

1996 RIVER HABITAT SURVEY: RIBBON SPOT CHECKS Page 2 of 4

TALLY (see PD) 11/11/96 Points 11 Unveg. side bars Veg point bars

PHYSICAL ATTRIBUTES (to be recorded across channel within a 10m wide transect) - one entry only

Spot check 1 is vegetation <input type="checkbox"/> non-vegetation <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK: STICK II (functional) VEGETATION										
Material BE BE BE BE BE BE BE BE BE BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s) NO NO NO NO NO NO NO NO NO NO	NO	NO	NO	NO	NO	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 substrate BE BE BE BE BE BE BE BE BE BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Substrate shape X / / X X X X X X X X	X	/	/	X	X	X	X	X	X	X
Flow type SM UNW CH UNW UNW SM UNW UNW UNW UNW	SM	UNW	CH	UNW	UNW	SM	UNW	UNW	UNW	UNW
Channel modification(s) NO NO NO NO NO NO NO NO NO NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) RO RO RO RO RO RO RO RO RO RO	RO	RO	RO	RO	RO	RO	RO	RO	RO	RO
RIGHT BANK: STICK II (functional) VEGETATION										
Material BE BE BE BE BE BE BE BE BE BE	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s) NO NO NO NO NO NO NO NO NO NO	NO	NO	NO	NO	NO	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

RAMP TOP, LAND USE AND VEGETATION STRUCTURE (to be recorded every 10m wide transect)

Land use: choose one from BL, CP, CL, SL, SC, FL, RP, R, FL, RL, OW, ST

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	RP	RP	R	R	R	R
LEFT BANK TOP (structure within 1m) BL SC S B U U S U U	BL	SC	S	B	U	U	S	U	U	U
LEFT BANK FACE (structure) BL SC S B U U S U U	BL	SC	S	B	U	U	S	U	U	U
RIGHT BANK FACE (structure) BL SC S B U U S U U	BL	SC	S	B	U	U	S	U	U	U
RIGHT BANK TOP (structure within 1m) BL SC S B U U S U U	BL	SC	S	B	U	U	S	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	BL	BL	RP	RP	S	RP	RP	RP

RIPELAND SPOTS (tick one box only)

NONE	PLANT GENERA - list first 5
Bryophytes/lichens	E E E E E E E E E E
Emergent broad-leaved herbs	
Emergent rush/sedge/reeds	
Flowering-leaved (rooted)	
Free-floating	
Amphibious	
Submerged broad-leaved	
Submerged fine-leaved	/ / / / / E E / / / E
Filamentous algae	

NO. 2303

	L	R		L	R
B natural woodland (BL)	E	V	Rough pasture (RP)	E	E
C rose plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MT)			Wetland (eg bog, marsh, fen) (WL)		
S SIC			Open water (OW)		
T tree root expansion (TR)			Suburban/urban development (SU)		

NATURAL/UNMODIFIED

V1	undisturbed	E	E	Reinforced		
V2	+ tree			Reinforced - whole bank		
S	Slope (>45°)			Reinforced - top only		
G	Grass			Reinforced - toe only		
C	etc			Artificial two-stage		

POUCHED

EXISTING TREES AND ASSOCIATED FEATURES

TREES (tick one box per bank)	ASSOCIATED FEATURES (tick one box per feature)
None <input type="checkbox"/>	Startling of channel <input type="checkbox"/>
Lined/unlined <input type="checkbox"/>	Overhanging boughs <input type="checkbox"/>
regularly spaced, single <input type="checkbox"/>	Exposed bankside roots <input type="checkbox"/>
Deciduous change <input type="checkbox"/>	Underwater tree roots <input type="checkbox"/>
Small-conifers <input checked="" type="checkbox"/>	Fallen trees <input type="checkbox"/>
Conifers <input type="checkbox"/>	Cones evenly debris <input type="checkbox"/>

WATERBARS

Waterbar(s) <input checked="" type="checkbox"/>	Marginal downwater <input type="checkbox"/>
Cascades(s) <input type="checkbox"/>	Exposed bedrock <input type="checkbox"/>
Rapids(s) <input checked="" type="checkbox"/>	Exposed boulders <input type="checkbox"/>
Shoals(s) <input type="checkbox"/>	Unvegetated mid channel bar(s) <input type="checkbox"/>
Islands(s) <input type="checkbox"/>	Vegetated mid channel bar(s) <input type="checkbox"/>
Islands(s) <input type="checkbox"/>	Marsh island(s) <input type="checkbox"/>
Glides(s) <input type="checkbox"/>	Unvegetated side bar(s) <input type="checkbox"/>
Point(s) <input type="checkbox"/>	Vegetated side bar(s) <input type="checkbox"/>

predominant flow sequence (select up to three features): **(ASUB) - Run/Riffle**

1996 RIVER HABITAT SURVEY ADDITIONAL NOTES AND REFERENCES

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	0.4	Banktop height (m)
Water width (m)	2.00	Banktop height (m)
Water depth (m)	0.15	Banktop height (m)
Embankment height (m)		Embankment height (m)

If gradient lower than banktop break in slope, indicate: height (m) = \times width (m) = \times

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown I:

Location of measurement is: riffle run or glide other (tick one box)

PHYSICAL ATTRIBUTES

None Number of Culverts = _____ Weirs = _____ Outfalls = _____ Ponds = _____
 Feeder/ditches = _____ Roadbridges = 1 Other = 1
 Is water impounded by weir/barrage? No Yes, < 33% of site > 33% of site

EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None Overdigging Mowing Wood-cutting
 Enhancement Other? Stone _____

FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None Weirfalls > 5m high Artificial open water Bog Other (state) _____
 Braided/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Poo Flush

CHOTERD CHANNELS (tick one box)

Is 33% or more of the channel choked with vegetation? NO YES

VEGETATION CHARACTERISTICS (tick appropriate box(es))

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? *Nostis Rhododendron bractea*

MAJOR IMPACTS: landfill - tipping - litter - sewage - pollution - drought - obstruction - soil - dust - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - staking - other? = _____

LAND MANAGEMENT: set-back - buffer strip - headland - abandoned land - partland - MoD - other? = _____

ANIMALS: water vole - Great/Small/Long-tailed/Short-toed/Long-tailed - grey wagtail - moor warbler - heron - dragonfly/damselfly

Other significant observations: **steep boulder down stream flows pasts house**
then at bank covered with moss & lichens. debris dam built by
house owner so they extract water for house.

S ALDERS (tick appropriate box(es))

Alders: None Present Extensive Disposed Alders: None Present Extensive

1996 RIVER HABITAT SURVEY: WITH IFE WOODS FOR PLANT GENERA AND FENCING Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____
 Solid geology code _____ (soil) geology code _____ Mainform category _____
 Distance from source (km) _____ Significant tributary? _____ Navigation? (Y/N) _____
 Height of source (m) _____ Water Quality Class _____

B. FIELD SURVEY DETAILS

Reference network site number: **2304**
 Mid-site grid reference of network site if different from designated location: _____

Grid Reference: NH246030 River: **ALLI ACHATO LACHRANGI**
 Date: **9/15/1996** Time: **9:51** Surveyor name: **JUNON** Accreditation code: **PF27**

Adverse conditions affecting survey? No Yes If yes, state: _____

Bed of river visible? No partially entirely (tick one box)

IFE dike photograph: general character? No Yes (tick one box) (2)
 and, if required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C. CHANNEL VALLEY FORM

shallow vcc concave/bowl
 deep vcc (if U-shaped glacial valley - add "U")
 gorge symmetrical floodplain
 asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

Riffles **11** Unvegetated point bars **0**
 Pools **6** Vegetated point bars **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 P.E. DAWSON, IFE, RIVER LABORATORY, EAST STOCK, WARRAN, 8730 688

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

DATE: 9/15/1996 TIME: 9:51 SURVEYOR: JUNON ACCREDITATION: PF27

D. PHYSICAL ATTRIBUTES (to be measured across channel within a 1m wide transect) * = one entry only

Spot check #	1	2	3	4	5	6	7	8	9	10
LEFT BANK	TICK IF (checked) feature									
Material	RR	BE	BE	CO	A	BE	BE	BE	BO	BE
Bank modification(s)	PI	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	CO	NO	BE	BE	CO	BE	BE	CO	BE	BE
Substrate shape	OV	Y	Y	Y	Y	Y	Y	Y	Y	Y
Flow type	NP	SM	CH	NP	SM	WU	FF	WU	SM	PP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	RO	RO	RO	NO	NO	RO	RO	RO
RIGHT BANK	TICK IF (checked) feature									
Material	NO	BE	BE	EA	BE	BE	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

E. BANKTOP LAND USE AND VEGETATION STRUCTURES (to be measured across a 10m wide transect)

Land use: Choose one from RL, CL, OL, NL, SC, DL, PL, RL, DL, OL, CL, PL

LAND USE WITHIN 5m OF BANKTOP (L)	RL	DL	DL	DL	DL	DL	DL	DL	DL	DL
LEFT BANK TOP (structure within 5m) SPECIES	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) SPECIES	B	U	S	U	U	B	B	U	B	B
RIGHT BANK FACE (structure) SPECIES	B	U	B	B	U	B	B	U	U	U
RIGHT BANK TOP (structure within 5m) SPECIES	S	S	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	DL	DL	DL	DL	DL	DL	DL	DL	DL	DL

F. CHANNEL VEGETATION (tick appropriate boxes)

MORE / PLANT GENERA - See list 5

Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent submergent/aquatics										
Flamingo-wet (marsh)										
Fresh-flaming										
Amphibians										
Submerged broad-leaved										
Submerged fan-leaved										
Filamentous algae										

SITE NO. 2304 1996 RIVER HABITAT SURVEY: SOILS AND BANKTOP VEGETATION Page 3 of 4

	L	R		L	R
Broadleaved woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/improved grass (IG)		
Orchard (OR)			Tidal flat (TF)		
Meadow/rough (MO)			Wetland (swamp, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Submergent development (SU)		

G. CHANNEL VEGETATION

	L	R	Artificially modified	L	R
Vertical channel			Banked		
Vertical + toe			Reinforced - white bank		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial toe-steps		
			Poached		
			Embanked		
			Set-back embankments		

H. TREES (tick one box per bank)

None	Left	Right	Associated Features	None	Present E (2-33%)
Isolated/bordered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Semi continuous			Understorey tree roots		
Continuous			Fallen trees		
			Covered woody debris		

I. CHANNEL VEGETATION

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (2-33%)
Cutbank(s)			Exposed banktop		
Exposed(s)			Exposed bankface		
Riffle(s)			Unvegetated mid channel bar(s)		
Bank(s)			Vegetated mid channel bar(s)		
Pool(s)			Mature island(s)		
Diode(s)			Unvegetated rock bar(s)		
Pool(s)			Vegetated rock bar(s)		

Indicate predominant flow sequence (select up to three features) (1) (2) (3)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

J. CHANNEL DIMENSIONS (to be measured in one place on a straight narrow section, preferably across a riffle)

LEFT BANK	Banktop width (m)	5.50	RIGHT BANK	
Banktop height (m)	Water width (m)	5.50	Banktop height (m)	0.7
Embankment height (m)	Water depth (m)	0.7	Embankment height (m)	

If embankment lower than banktop break in slope, indicate: height (m) = **X** width (m) = **X**

Bed material at site is: consolidated (compact) unconsolidated (loose) exposed

Location of measurement is: riffle run or glide other (tick one box)

K. ARTIFICIAL FEATURES

None Number of Obstructions = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Other = 0

Is water impounded by weirs? No Yes, <33% of site >33% of site

L. EVIDENCE OF RECENT MANAGEMENT (tick appropriate box(es))

None Damaging Moving Weed cutting
 Enhancement Other? Date: _____

M. FEATURES OF SPECIAL INTEREST (tick appropriate box(es))

None Artificial open water Bog Other (state) _____
 Braided/side channels Natural open water (2-33%) Carr
 Debris dams Water meadow Marsh
 Lanky debris Fen Flush

N. CHANNEL CHARACTERISTICS

In 33% or more of the channel channel with vegetation? NO YES

O. CHANNEL VEGETATION

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? North Rhododendron tree

P. SPECIAL CHARACTERISTICS (tick appropriate boxes)

Major impacts: bank(s) - slipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - logging - mining - quarrying - overgrazing - afforestation - fisheries management - fishing - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - partial - MoD - other? =

Animals: other - mist - water vole - kingfisher - dipper - grey heron - sand martin - barn - dragonfly/damselfly

Other significant observations: **SHOOP RIVER** flowing into **Loch Gorty** River flows along **Loch an t-Saigh**. Some tall moss on **Baile**. **Carr** adjacent slope of **Loch an t-Saigh**. **Carr** pretty on other river.

S ALDERS (tick appropriate box(es))

None Present Extensive

A. BACKGROUND MAP-BASED INFORMATION

A kind of (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drill geology code Planform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

B. FIELD SURVEY DETAILS

Reference network site number: **2306**
 Mid-site grid reference of network site (if different from designated location): **N1381058**

Moved site due to impossibility of sampling
 Old location: **River R. TARRIF**
 Date: **20.5.1996** Time: **16:00** Surveyor name: **[illegible]** Accreditation code: **[illegible]**

Adverse conditions affecting survey? No Yes (if yes, state details)

Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

shallow vee concave/bowl (if U-shaped glacial valley - add 'U')
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

Riffls - Unvegetated point bars -
 Pools - Vegetated point bars -

END COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 Dr. J. WATSON, IFE, RIVER LABORATORY, EAST STAKE, WARRIAM, DT20 6BB

1996 RIVER HABITAT SURVEY: TIN SPOT CHECKS Page 2 of 4

FAULT (see DF) for - Riffles Pools Unveg. side bars Veg point bars

B. PHYSICAL ATTRIBUTES (to be observed across channel, 10m or 1m wide (choose))

Spot check 1-4	1	2	3	4	5	6	7	8	9	10
LEFT BANK: Material (M) (see DF)										
Bank modification(s)										
Bank feature(s)										
Channel substrate (S)										
Substrate shape (F) (see DF)										
Flow type (T) (see DF)										
Channel modification(s)										
Channel feature(s)										
RIGHT BANK: Material (M) (see DF)										
Bank modification(s)										
Bank feature(s)										

C. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be observed over a 10m wide (choose))

Land use: choose one from SL, CL, OL, ML, BL, PL, FL, GL, WL, OW, SW

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) (S) (see DF)

LEFT BANK FACE (structure) (S) (see DF)

RIGHT BANK FACE (structure) (S) (see DF)

RIGHT BANK-TOP (structure within 1m) (S) (see DF)

LAND USE WITHIN 5m OF BANK TOP (R)

D. PLANT SPECIES RECORDS

NONE / PLANT GENERA - See first 5

Bryophytes/lichens	
Emerg broad-leaved herbs	
Emerg rush/sedge/reeds	
Flamingo-tweed (sedges)	
Free-floating	
Amphibious	
Submerged broad-leaved	
Submerg float-leaved	
Filamentous algae	

*UNABLE TO CARRY OUT SPOT CHECKS DUE TO
 *SUBSTR. INACCESSIBILITY AT RIVER - CONSIDERATION OF

TE NO. **2306**

	L	R		L	R
Unconfined wetland (UL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Wetland phytation (CP)			Improved/well-improved grass (IG)		
Orchard (OR)			Tiled land (TL)		
Moorland/heath (MZ)			Wetland (eg bog, marsh, fen) (WL)		
no (O)			Open water (OW)		
1 herb/ seed vegetation (TS)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Channel/creek	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed		
riof + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
woody (>45)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Grass	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
scrub	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial toe-edge	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Recessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Recessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Recessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

TREES (tick one box per bank)

	Left	Right	None	Present E (%)
None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inclined/canted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, slight	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Small-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Present E (%)
Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overhanging branches	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Palms trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Canopy woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	None	Present E (%)		None	Present E (%)
Waterfall(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Marginal deadwood	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Channel(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapids(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bank(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Movers island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Obed(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Point(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **CL - Pools - Bank**

CHANNEL CHARACTERISTICS

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	ca 1.90	ca 1.00
Banktop height (m)	ca 1.90	ca 1.00
Embankment height (m)	0.46	Embankment height (m)
Water depth (m)	0.46	Water depth (m)

If transect lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: unconsolidated (unveg) unconsolidated (veg) consolidated

Location of measurement is: riffle run or glide other (tick one box)

Notes: Number of Culverts = Weirs = Outfalls = Fords =
 Facelifts = Bankbridges =
 Is water impounded by weir/dam? No Yes, <33% of site >33% of site

Notes: Dredging Moving Weed cutting
 Embankment Other? Stone

Notes: Waterfalls > 5m high Artificial open water Bog Other (state)
 Bankside channels Natural open water Carr
 Other dams Water meadows Marsh
 Leafy debris Piles Flank

Is 33% or more of the channel channel with vegetation? NO YES

Notes: Giant Hogweed Himalayan Balsam Japanese Knotweed Other? North Rhododendron

Major impacts: landfill - sipping - litter - sewage - pollution - drought - obstruction - spill - dam - road - rail - industry -
 housing - mining - quarrying - overstepping - afforestation - fisheries management - silting - other =

Land Management: set aside - buffer strip - bankside - abandoned land - parkland - M40 - other? =

Animals: other - mist - water vole - hedges - sheep - grey wagtail - mallards - heron - dragonfly/damselfly

Other significant observations: **DIFFICULT TO SURVEY - RIVER SUBJECT TO CONSIDERABLE INTERFERENCE AND OBSTRUCTION - SMALL BRIDGES LIKE BRIDGES WITHIN RIVER**

Site Address: (tick appropriate box)

Unknown None Present Extensive Disturbed Areas? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation? NO
 Height of source (m) Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: **2306**
 Mid-site grid reference of network site if different from designated location:

Grid Reference: **NH403088** River: **ALLT DOE**
 Date: **9/5/1996** Time: **11:58** Surveyor name: **DUNCAN** Accreditation code: **PF27**

Adverse conditions affecting survey? No Yes If yes, state _____
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

C DOMINANT VALLEY FORM

shallow vcc concave/bowl (if U-shaped glacial valley - add "U")
 deep vcc symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D NUMBER OF RIPARIAN FEATURES

Riffles **10** Unvegetated point bars **4**
 Pools **0** Vegetated point bars **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 P.H. DAWSON, RFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 4AB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2

LEFT BANK TICE (if functional) LEVOC

Material	BO	BO	BO	BE	NO	BO	EA	EA	CO	NO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	BO	BO	BO	BO	BO	BO	CO	CO	BO	BO
Substrate shape	IR	IR	IR	IR	FL	FL	OV	TR	TR	IR
Flow type	BW	UW	UW	UW	RP	UW	UW	RP	RP	UW
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	RO	RO	RO	NO	NO	NO	NO	NO	NO

RIGHT BANK TICE (if functional) LEVOC

Material	BO	BO	BO	BO	BO	BE	CO	CO	BO	BO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE WITHIN 5m OF BANKTOP (L)

LEFT BANK-TOP (structure within 1m) ANSIC	S	S	S	U	S	S	S	S	S	S
LEFT BANK FACE (structure) ANSIC	U	S	U	U	B	U	U	B	S	S
RIGHT BANK FACE (structure) ANSIC	B	S	B	S	S	U	B	B	B	S
RIGHT BANK-TOP (structure within 1m) ANSIC	S	S	S	S	S	S	S	S	S	S

LAND USE WITHIN 5m OF BANK TOP (R)

	PL	BL	BL	BL	BL	BL	BL	BL	BL	BL
--	----	----	----	----	----	----	----	----	----	----

H CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 5										
Bryophytes/lichens		✓	✓	✓	✓	✓	✓	✓	✓	✓
Emergent broad-leaved herbs										
Emergent woody/perennials										
Floating-leaved (rusted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae										

SITE NO. **2306** 1996 RIVER HABITAT SURVEY

I VEGETATION

	L	R		L	R
Broadleaved woodland (BL)	E	F	Rough pasture (RP)		
Coniferous plantation (CP)			Improved/mixed-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		✓
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Suburban/urban development (SU)		✓

J ARTIFICIAL FEATURES

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undisturbed		E	Recessed		
Vertical + etc		✓	Reinforced - whole bank		
Slope (>45°)		E	Reinforced - top only		
Geodic			Reinforced - toe only		
Composite			Artificial two-stage		
			Punched		
			Embanked		
			Set-back embankments		

K TREES (tick one box per bank)

	None	Present		None	Present	E (≥ 2.5%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Isolated/unusual	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Canopy woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

L ASSOCIATED FEATURES (tick one box per feature)

	None	Present		None	Present	E (≥ 2.5%)
Marginal deadwater	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	Major island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>				

Indicate predominant flow sequence (select up to three features): (WUR - RESILE/BAFT)

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

L CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	10.2	RIGHT BANK	
Banktop height (m)	Water width (m)	10.0	Banktop height (m)	0.5
Embanked height (m)	Water depth (m)	0.3	Embanked height (m)	

If embankment lower than banktop bank in slope, indicate: height (m) = X width (m) = ✓

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

M ARTIFICIAL FEATURES

None Number of Culverts = _____ Weirs = _____ Outfalls = _____
 Footbridges = _____ Fords = _____
 In water impounded by weir/dam? No Yes, <33% of site >33% of site

N EVIDENCE OF RECENT CHANNEL CHANGE

None Dredging Moving Wood-cutting
 Enhancement Other? State _____

O FEATURES OF SPECIAL INTEREST

None Waterfalls > 5m high Artificial open water Bog Other (state) _____
 Resident/nide channels Natural open water Carr
 Debris dams Water meadow Marsh
 Loose debris Fun Flush

P CHANNEL CHANGES

Is 33% or more of the channel choked with vegetation? NO YES

Q VEGETATION STANDS

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Nettle Rhododendron bracken

R OVERALL CHANNEL CHARACTERISTICS

Major impact: bank(s) - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - substrate management - silt - other? = _____

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? = _____

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud snail - heron - dragonfly/damselfly

Other significant observations: *Public path river bank in left bank. In one area by deposit of rocks blocks off one side of bank and the bank.*

S ALGERS (tick appropriate box(es))

Alters: None Present Extensive Disturbed Alters: None Present Extensive

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

B. FIELD SURVEY DETAILS

Reference network site number: 2307
 Mid-site grid reference of network site if different from designated location:

Grid Reference: N1550067 River: ALLEGRATA RIVER
 Date: 5/19/96 Time: 11:26 Surveyor name: PFA Accreditation code: PFA
 Adverse conditions affecting survey? No Yes If yes, list:

Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

shallow vee concave/bowl
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D. TYPE OF RIFLES, POOLS AND POINT BARS (indicate total)

Rifles: Unvegetated point bars: 17
 Pools: Vegetated point bars: 1

2ND COMPLETED FORMS WEEKLY plus all water samples and expenses claim TO
 R. DARSON, IFE, RIVER LABORATORY, EAST STOKES, WARERAM, 8870 688

B. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transects) - water safety only

Spot check 1 m upstream	downstream	1	2	3	4	5	6	7	8	9	10
LEFT BANK - TICK if functional focus											
Material	RY, NO, CO, CL, LA, PL, CL, CC, SF, W, GA, ML, SP	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Bank modification(s)	RY, NO, AS, H, FC, BM, EN	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Bank feature(s)	RY, NO, EC, SC, FB, VP, SB, VS	SB	N0	N0	N0	N0	N0	N0	N0	N0	N0
CHANNEL - TICK if functional focus											
Channel substrate	RY, NO, CO, CL, LA, PL, CL, CC, SF, W, GA, ML, SP	BO	BO	BO	BO	BO	BO	BO	BO	BO	BO
Substrate shape	FL, OV, CL, SF, CU, PO, R, CH, M, J, P, W	IR	-	-	-	-	-	-	-	-	-
Flow type	FF, CH, SF, OV, CL, SF, CU, PO, R, CH, M, J, P, W	UP	CH	CH	FF	UP	CH	CH	CH	CH	FF
Channel modification(s)	RY, NO, CO, CL, LA, PL, CL, CC, SF, W, GA, ML, SP	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Channel feature(s)	RY, NO, AS, H, FC, BM, EN	BO	N0	N0	N0	N0	N0	N0	N0	N0	N0
RIGHT BANK - TICK if functional focus											
Material	RY, NO, CO, CL, LA, PL, CL, CC, SF, W, GA, ML, SP	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s)	RY, NO, AS, H, FC, BM, EN	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0
Bank feature(s)	RY, NO, EC, SC, FB, VP, SB, VS	N0	N0	N0	N0	N0	N0	N0	N0	N0	N0

E. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, OR, NH, SC, PL, RP, IG, FL, WL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	MH	AM	CH	MB	MW	MV	MH	MH	MH	MH	MH
LEFT BANK TOP (structure within 1m) BWSIC	S	S	S	S	B	B	U	S	S	U	U
LEFT BANK FACE (structure) BWSIC	B	B	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure) BWSIC	B	B	B	B	B	B	B	B	B	B	B
RIGHT BANK TOP (structure within 1m) BWSIC	S	S	S	B	B	S	S	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (R)	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH	MH

F. PLANT GENERA - list first 5

NONE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/lichens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent broad-leaved herbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent narrow-leaved herbs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floating-leaved (rooted)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged fine-leaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ITE NO. 2307

TYPE	L	R	TYPE	L	R
unmodified woodland (UL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		
uniform plantation (UP)			Improved/unimproved grass (IG)		
wooded (OR)			Tilled land (TL)		
Marsh/swamp (MS)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)		
pond (PC)			Open water (OW)		
all herbs and vegetation (TH)			Suburban/urban development (SU)		

Artificially Modified

TYPE	L	R	Artificially Modified	L	R
retained/retreat	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
retail + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
top (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
coste	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
impacts	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Poached	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embanked	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set-back embankments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

TREES (tick one box per bank)

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present S (2-33%)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WATERBODIES

None	Present E	None	Present E (2-33%)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): C/S, P/S, R/S

CHANNEL DIMENSIONS AND REFERENCES

LEFT BANK	Banktop width (m)	5.00	RIGHT BANK		
Banktop height (m)	0.70	Water width (m)	6.00	Banktop height (m)	1.70
Embankment height (m)	-	Water depth (m)	0.20	Embankment height (m)	-

If bankline lower than banktop break in slope, indicate: height (m) = - width (m) = -

Bed material at site is: consolidated (compact) unconsolidated (loose)

Location of measurement is: riffle run or glide other (tick one box) (r/p/c)

VEGETATION CHARACTERISTICS

None Number of Culverts = 1 Weirs = 0 Outfalls = 0 Ponds = 0
 Rootbridges = 1
 Is water impounded by weirs? No Yes, <33% of site >33% of site

VEGETATION CHARACTERISTICS

None Dredging Mowing Weed-cutting
 Enhancement Other? State: _____

CHANNEL CHARACTERISTICS

None Weirfalls > 5m high Artificial open water Bog Other (state) _____
 Brimside channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Pen Flush

CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO YES

CHANNEL VEGETATION

None Giant Hogweed Ginkgo biloba Japanese Knotweed Other? *Notia Rhododendron bractea*

CHANNEL VEGETATION

Major impacts: bankfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry -
 burning - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other? = _____

Land Management: set-aside - buffer strip - headland - abandoned land - pasture - MoD - other? = _____

Animals: otter - mink - water vole - hylax - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: _____

S. ALDERS (tick appropriate)

Alders' None Present Extensive Discarded Alders' None Present Extensive

A. BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

B. FIELD SURVEY DETAILS

Reference network site number: Z308
 Mid-site grid reference of network site if different from designated location: NH1651094

(111636090) elongated due to river: ACHANN CRO CHILACII
 Grid Reference: 111636090
 Date: 22.5.1996 Time: 13:35 Surveyor name: J.S.P. Prasad Accreditation code: P.9.

Adverse conditions affecting survey? No Yes If yes, state _____

Bed of river visible? No partially entirely (tick one box)

IPE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one per bank)

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IPE - VALLEY FORM NOTES: _____

D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate both banks)

Rifles 6 Unvegetated point bars 1
 Pools 10 Vegetated point-bars -

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO P.W. DAWSON, IPE, RIVER LABORATORY, EAST STOEK, WAREHAM, BH20 6BS

TABLEY (use 100 for riffles, 10 for pools, 1 for weirs, 1 for culverts, 1 for other) Veg point bars

E. PHYSICAL ATTRIBUTES (tick as appropriate across channel width in 1m wide transects) - use only if applicable

Spot check 1 or 2 upstream (downstream) 1 2 3 4 5 6 7 8 9 10

LEFT BANK

Material (W, M, S, G, CL, PL, OL, CL, F, L, PL, M, S, G)	EE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE
Bank modification(s) (N, NO, B, L, P, C, M, S, G)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (W, M, S, G, CL, PL, OL, CL, F, L, PL, M, S, G)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate (W, M, S, G, CL, PL, OL, CL, F, L, PL, M, S, G)	CO	CO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Substrate shape (FL, OL, CL, PL, OL, CL, F, L, PL, M, S, G)	IR	IR	-	-	OV	OV	IR	OV	OV	OV	OV
Flow type (W, M, S, G, CL, PL, OL, CL, F, L, PL, M, S, G)	LP	BP	NP	BP	NP	BP	CH	UP	RP	CF	CH
Channel modification(s) (N, NO, B, L, P, C, M, S, G)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (W, M, S, G, CL, PL, OL, CL, F, L, PL, M, S, G)	RO	NO	RO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK

Material (W, M, S, G, CL, PL, OL, CL, F, L, PL, M, S, G)	EA	BE	PE	BE	RE	BE	RE	BE	RE	BE	RE
Bank modification(s) (N, NO, B, L, P, C, M, S, G)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (W, M, S, G, CL, PL, OL, CL, F, L, PL, M, S, G)	SB	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (tick as appropriate across a 10m wide transect)

Land use: Choose one from SL, CP, OL, ML, SC, IR, PL, RL, IL, WL, OV, SU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	EP	RP	MH	EP	RP	RP	RP	RP	RP	RP
LEFT BANK TOP (structure within 1m) BASIC	S	B	S	S	S	S	U	S	S	R	
LEFT BANK FACE (structure) BASIC	S	R	B	E	U	R	B	S	U	R	
RIGHT BANK FACE (structure) BASIC	S	R	B	E	U	R	B	S	U	R	
RIGHT BANK TOP (structure within 1m) BASIC	S	B	S	R	S	S	S	U	U	U	
LAND USE WITHIN 5m OF BANK TOP (R)	RP	MH	RP	MH	RP	RP	RP	RP	RP	RP	

G. PLANT GENERA AND SPECIES (tick as appropriate)

None	PLANT GENERA - list first 5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/lichens		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent broad-leaved herbs		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergent rush/sedge/reeds		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flowering leaved (macro)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Free-floating		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Amphibious		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged broad-leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Submerged fine-leaved		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Filamentous algae		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SITE NO. Z308

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Meadow/heath (MH)		<input checked="" type="checkbox"/>	Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs and vegetation (TH)			Embankment/levee development (SU)		

Natural/unmodified L R **Artificial/modified** L R

Vertical/embankment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced	<input type="checkbox"/>	<input type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input type="checkbox"/>	<input type="checkbox"/>
Steep (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input type="checkbox"/>	<input type="checkbox"/>
Grate	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced - toe only	<input type="checkbox"/>	<input type="checkbox"/>
Chaparral	<input type="checkbox"/>	<input type="checkbox"/>	Reinforced toe-steps	<input type="checkbox"/>	<input type="checkbox"/>
			Reinforced toe-steps	<input type="checkbox"/>	<input type="checkbox"/>
			Embankment	<input type="checkbox"/>	<input type="checkbox"/>
			Set-back embankments	<input type="checkbox"/>	<input type="checkbox"/>

TREES (tick one box per bank)

Name	Left <input checked="" type="checkbox"/>	Right <input checked="" type="checkbox"/>	None <input type="checkbox"/>	Percent E (± 33%)
Broadleaved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging banks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside casts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Covered woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WATERBARS (tick one box per feature)

Name	None <input type="checkbox"/>	Percent E (± 33%)
Marginal discharge	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Matrix island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): CASE CODE: R/W
(S/P)

LEFT BANK

Banktop width (m)	<u>15.00</u>	RIGHT BANK
Banktop height (m)	<u>0.35</u>	Banktop height (m)
Water width (m)	<u>12.00</u>	Banktop width (m)
Embedded height (m)	<u>-</u>	Water depth (m)
		<u>0.60</u>

If waterfalls lower than banktop level in slope, indicate: height (m) = - width (m) = -

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffles run or glide other (tick one box)

STRUCTURAL FEATURES

None Number of Culverts = 0 Weirs = 0 Outfalls = 0 Forde = 0
 Footbridges = 0 Roadbridges = 0 Other = 0

Is water impounded by weirs? No Yes, <33% of site >33% of site

OPERATIONAL FEATURES

None Dredging Moving Wood cutting
 Enhancement Other? State _____

OBSTRUCTIONS

None Artificial open water Bag Other (state) _____
 Natural open water Cart
 Water meadow Marsh
 Fens Flood

Is 33% or more of the channel choked with vegetation? NO YES

LAND MANAGEMENT

None Great Hogweed Himalayan Balsam Japanese Knotweed Other? Native Rhododendron fraxinus

MAJOR IMPACTS landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - mill industry - housing - mining - quarrying - over-spraying - afforestation - fisheries management - silt - other? _____

LAND MANAGEMENT: set-back - buffer strip - headland - abandoned head - partition - MoD - other? _____

ANIMALS: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

OTHER SIGNIFICANT OBSERVATIONS: NARROW BEDROCK CHANNEL (10m x 1m) WITH CASCOPE PLANT GROWING OVER IT. THIS IS A RARE PLANT SPECIES WHICH IS PROTECTED UNDER THE 1980 CONSERVATION ACT. IT IS A VERY RARE PLANT SPECIES WHICH IS PROTECTED UNDER THE 1980 CONSERVATION ACT.

VALDES (tick appropriate box(es))

Alders? None Present Extensive Discarded Alders? None Present Extensive

A BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 2309
 Mid-site grid reference of network site if different from designated location:

Grid Reference: NM774002 River: N. Spay
 Date: 9/5/1996 Time: 0:10 Surveyor name: J.L. Accreditation code: 0947
 Adverse conditions affecting survey? No Yes (if yes, state _____)
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

DOMINANT VALLEY FORMS

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate location)

Riffles Unvegetated point bars
 Pools 1 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.W. DAWSON, IFE, RIVER LABORATORY, EAST STOCK, WARDHAM, NTH3 6BB

II PHYSICAL ATTRIBUTES (to be assessed across channel within a 10 m wide transect) - in some cases only

Spot check 1 is upstream of downstream

	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

LEFT BANK TICE if functional fence

Material (M) M1-M10	FA	FA	EA	EA	FA	EA	FA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank failure(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

CHANNEL (M) M1-M10

Channel substrate (S) S1-S10	NY	NV	NV	NV	NV	NV	NV	NV	NV	NV
Substrate shape (F) F1-F10	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK TICE if functional fence

Material (M) M1-M10	NY	NV	NV	NV	NV	NV	NV	NV	NV	NV
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank failure(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE WITHIN 5m OF BANK TOP (L)

LEFT BANK TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	U	S	S	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U

CHANNEL VEGETATION TYPES

NONE / PLANT GENERA - list first 3

Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent reeds/sedge/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

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Disturbed woodland (DL)			Rough pasture (RP)		
Low vegetation (LV)			Improved/semi-improved grass (IG)	E	E
Wet (W)			Tiled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)	E	E
Scrub (SC)			Open water (OW)		
Urban/road vegetation (UR)			Suburban/urban development (SU)		

IFE NOTES

Natural/unmodified	L	R	Artificial/modified	L	R
Wetland			Rationalised		
W + tree (>45°)			Rationalised - whole bank		
Grass			Rationalised - top only		
Wetland			Rationalised - toe only		
			Artificial two-stage		
			Partial		
			Embarked		
			Set-back embankments		

TREES (tick one box per bank)

None	Left	Right	None	Percent E (± 2.2%)
Isolated/occasional			Shading of channel	
Regularly spaced, single			Overhanging boughs	
Occasional clumps			Exposed bankside roots	
Semi-continuous			Underwater tree roots	
Continuous			Pollen trees	
			Coarse woody debris	

ASSOCIATED FEATURES (tick one box per feature)

Waterfall(s)	None	Percent E (± 2.2%)	Marginal deadwater	None	Percent E (± 2.2%)
Overbank(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid-channel bar(s)		
Rune(s)			Vegetated mid-channel bar(s)		
Scill(s)			Mature island(s)		
Old(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

to predominant flow sequence (select up to three features): Pool

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES Page 4 of 4

I CHANNEL DIMENSIONS (to be measured at one site on a straight uniform section, preferably across a riffle)

LEFT BANK	Banktop width (m)	RIGHT BANK
Banktop height (m)	Water width (m)	Banktop height (m)
Embankment height (m)	Water depth (m)	Embankment height (m)

If waterline lower than banktop break in slope, indicate: height (m) = / width (m) =

Bed material at site is: consolidated (compact) unconsolidated (loose) Checkstone

Location of measurement is: riffle run or glide other (tick one box)

II PHYSICAL ATTRIBUTES

None Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No Yes, <33% of site >33% of site

III IMPACTS OF LOCAL (LAND) USE

None Dredging Moving Weed-cutting
 Embankment Other? State _____

IV FEATURES OF SPECIAL INTEREST

None Waterfalls > 5m high Artificial open water Bog Other (state) _____
 Bedside/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Lanky debris Fun Flush

FOUL CHANNEL

Is 33% or more of the channel choked with vegetation? NO YES

ROCKY/SHALLOW CHANNELS

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Name Rhododendron fruticosum

OVERBANK VEGETATION

Major impacts: hedges - slipping - litter - sewage - pollution - drought - obstruction - spill - dam - road - rail industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - sitting - other? =

Land Management: set-back - buffer strip - hedged - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - moor martin - heron - dragonflies/damselflies

Other significant observations:
Wide view of river, some grassy banks, etc. note...

5 ALDERS (tick appropriate box(es))

Alders? None Present Extensive Dispersed Alders? None Present Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and canopy Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation? NO
 Height of source (m) Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: **2324**
 Mid-site grid reference of network site if different from designated location:

Grid Reference: **NM970907** River: **PEAN**
 Date: **8.15.1996** Time: **13:57** Surveyor name: **DUNCAN** Accreditation code: **PF27**

Adverse conditions affecting survey? No Yes If yes, state:

Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C PREDOMINANT VALLEY FORM (tick one box)

shallow vee concave/bowl (if U-shaped glacial valley add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (tick one box)

Riffles: **8** Unvegetated point bars: **0**
 Pools: **1** Vegetated point bars: **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY - TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE) for: Riffles **III** Pools **I** Unveg. side bars Veg point bars

E PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check	1	2	3	4	5	6	7	8	9	10
LEFT BANK (tick if functional fence)										
Material (M) <small>W, B, C, G, L, P, O, S, P, W, G, M, R, F, P</small>	EA	EA	EA	EA	EA	EA	BE	BE	EA	DO
Bank modification(s) <small>M, NO, B, L, P, C, M, R, F, P</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <small>M, NO, B, L, P, C, M, R, F, P</small>	38	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL										
Channel substrate <small>M, W, B, C, G, L, P, O, S, P, W, G, M, R, F, P</small>	CO	BO	BO	BO	DO	DO	BE	BE	BO	DO
Substrate shape <small>F, D, E, S, C, U, P, R, O, W, O, W, N</small>	OV	OV	IR	IR	IR	OV	X	X	OV	OV
Flow type <small>F, D, E, S, C, U, P, R, O, W, O, W, N</small>	UW	UW	RP	SM	UW	RP	NP	SM	UW	RP
Channel modification(s) <small>M, NO, B, L, P, C, M, R, F, P</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <small>M, NO, B, L, P, C, M, R, F, P</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (tick if functional fence)										
Material (M) <small>W, B, C, G, L, P, O, S, P, W, G, M, R, F, P</small>	BO	EA	EA	EA	EA	EA	BO	BE	BO	BO
Bank modification(s) <small>M, NO, B, L, P, C, M, R, F, P</small>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <small>M, NO, B, L, P, C, M, R, F, P</small>	NO	BE	EL	NO	BE	CE	NO	NO	NO	NO

F BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from: BL, CF, OR, MH, SC, TH, RP, IG, FL, WL, OW, DZ

LAND USE WITHIN 5m OF BANKTOP (L)	M1	M4	M7	KP	M1	KP	BL	BL	RP	KP
LEFT BANK TOP (structure within 1m) <small>BL, SC</small>	S	S	S	S	S	S	S	S	U	U
LEFT BANK FACE (structure) <small>BL, SC</small>	B	U	B	S	S	S	S	S	S	S
RIGHT BANK FACE (structure) <small>BL, SC</small>	U	S	U	U	S	S	S	S	U	U
RIGHT BANK TOP (structure within 1m) <small>BL, SC</small>	RP	RP	RP	RP	RP	RP	BL	RP	RP	RP

G PLANT GENERA - list first 5

NONE	1	2	3	4	5	6	7	8	9	10
None										
Bryophytes/lichens		✓	E	✓	✓	E	U	✓	✓	✓
Emerg broad-leaved herbs										
Emerg reeds/edges/rushes										
Flowering-leaved (mosses)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved										
Filamentous algae		✓	✓	✓	✓	✓	✓	✓	✓	✓

Site No. **2324**

H BANKSIDE VEGETATION (tick one box)

	L	R		L	R
Broad-leaved woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)	E		Improved/improved grass (IG)		
Oakland (OK)			Tidal land (TL)		
Moorland/heath (MH)	E		Wetland (eg bog, marsh, fen) (WL)		✓
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

I BANKSIDE VEGETATION (tick one box)

	L	R	Artificial/modified	L	R
Natural/unmodified			Reinforced		
Vertical/embankment	✓	✓	Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Slope (> 45°)	✓	✓	Reinforced - toe only		
Geodic			Artificial two-stage		
Composite			Embankment		
			Set back embankment		

J TREES (tick one box per bank) ASSOCIATED FEATURES (tick one box per feature)

None	Left	Right	None	Percent E (≥ 33%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>
Isolated/contoured	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging banks	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>
Semi-continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cause woody debris	<input checked="" type="checkbox"/>

K CHANNEL CHARACTERISTICS (tick one box)

None	Percent E (≥ 33%)
Waterfall(s)	<input type="checkbox"/>
Caecid(s)	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>
Old(s)	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): **Riffle → Run**

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFENCES

L BANK DIMENSIONS

LEFT BANK	Banktop width (m)	Banktop height (m)	RIGHT BANK	Banktop height (m)
	14.5	11.0		0.4
Embankment height (m)		0.35	Embankment height (m)	X

If bankline lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: stile run or glide other (tick one box)

M INFENCES (tick one box)

None Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Roadbridges = 1 Other = 0
 Is water impounded by weirs/dams? No Yes, < 33% of site > 33% of site

N VEGETATION OF BANKS (tick one box)

None Drying Moving Weed-cutting
 Embankment Other? State:

O VEGETATION OF CHANNEL (tick one box)

None
 Waterfalls > 5m high Artificial open water Bog
 Brinded/side channels Natural open water Carr (Other sites) 30%
 Debris dams Water meadow Marsh
 Lady debris Peat Flush

P CHANNEL CHARACTERISTICS (tick one box)

Is 33% or more of the channel choked with vegetation? NO YES

Q VEGETATION OF BANKS (tick one box)

None Giant Hogweed Hamamelis Japanese Knotweed Other? None Rhododendron bracken

R MAJOR IMPACTS (tick one box)

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - silting - other? =

Land Management: set aside - buffer strip - bandland - abandoned land - parkland - MoD - other? =

Animals: other - snail - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: **Muddy fine flow through small gorge. Long riffle. Scumming due to weeds. Tall bog trees. River food web active.**

S ALDERS (tick appropriate box(es))

Alders? None Present Extensive Diseased Alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

SURVEY DETAILS

Reference network site number: 2325
 Mid-site grid reference of network site if different from designated location:

Grid Reference: NN053924 River: ALLI ARCADON
 Date: 8.5.1996 Time: 17:30 Surveyor name: DUNAW Accreditation code: PF??

Adverse conditions affecting survey? No Yes If yes, state _____
 Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

DOMINANT VALLEY FORM (tick one box)

shallow vee concave/bowl
 (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Tornard valley floor? No Yes IFE - VALLEY FORM NOTES:

NUMBER OF RIFLES, POOLS AND POINT BARS

Rifles: 7 Unvegetated point bars:
 Pools: 0 Vegetated point bars:

COMPLETED FORMS WEEKLY plus all water samples and expenses claim TO
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRNAM, 32120 688

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE) for: Rifles 7 Pools _____ Unveg side bars _____ Veg point bars _____

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - see IFE only

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK: THICK if (erosional) feature										
Material <u>W, H, S, G, C, L, F, K, O, E, P, M, CL, M, L, V</u>	EA	BD	DE	DE	DE	DE	DE	DE	DE	DE
Bank modification(s) <u>W, H, S, G, C, L, F, K, O, E, P, M, CL, M, L, V</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>W, H, S, G, C, L, F, K, O, E, P, M, CL, M, L, V</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
CHANNEL CHARACTERISTICS										
Channel substrate <u>W, H, S, G, C, L, F, K, O, E, P, M, CL, M, L, V</u>	CO	BD	DE	DE	DE	DE	DE	DE	DE	DE
Substrate shape <u>FL, OV, EL, SP, CD, FO, BL, O, DM, ...</u>	IR	IR	X	IR	X	X	X	X	X	X
Flow type <u>FL, CD, EL, SP, CD, FO, BL, O, DM, ...</u>	CP	UN	UN	RA	PE	UN	UN	UN	UN	UN
Channel modification(s) <u>W, H, S, G, C, L, F, K, O, E, P, M, CL, M, L, V</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>W, H, S, G, C, L, F, K, O, E, P, M, CL, M, L, V</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: THICK if (erosional) feature										
Material <u>W, H, S, G, C, L, F, K, O, E, P, M, CL, M, L, V</u>	EA	BD	DE	DE	DE	DE	DE	DE	DE	DE
Bank modification(s) <u>W, H, S, G, C, L, F, K, O, E, P, M, CL, M, L, V</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>W, H, S, G, C, L, F, K, O, E, P, M, CL, M, L, V</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

FRAMETOP, LAND, USE AND VEGETATION STRUCTURES (to be assessed only a 10m wide transect)

Land use: choose one from BL, CP, OR, HT, BC, DL, DP, KL, FL, HL, OV, DV

LAND USE WITHIN 5m OF BANKTOP (L)	SC	RP	MH	MH	MH	MH	MH	MH	MH	MH
LEFT BANK-TOP (structure within 1m) <u>BOESC</u>	S	U	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) <u>BOESC</u>	S	B	S	U	B	B	B	B	B	B
RIGHT BANK FACE (structure) <u>BOESC</u>	U	B	U	B	B	B	B	B	B	B
RIGHT BANK-TOP (structure within 1m) <u>BOESC</u>	S	B	S	S	S	S	S	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	DL	MH	MH	MH	MH	MH	MH	MH	MH

PLANT GENERA - list first 5

Straphylococcaceae										
Emergent broad-leaved herbs										
Emergent reeds/rushes/grasses										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Fibrous stem algae										

NO. 2325

Indigenous wetland (IL)										
grass plantation (GP)										
Overland (OR)										
Marsh/Pool (MR)										
SW										
artificial wetland (TW)										
Suburban/urban development (SU)										

VEGETATION

Natural/unmodified	L	R	Artificial/modified	L	R
Unweeded			Reinforced		
1-4m			Reinforced - whole bank		
Steepest (>45°)			Reinforced - top only		
Coarse			Reinforced - toe only		
Site			Artificial two-stage		
			Patched		
			Embanked		
			Set-back embankments		

TREES (tick one box per bank)

None	Left	Right	Associated Features (tick one box per feature)	None	Percent E (2.33%)
Isolated/scattered			Shading of channel		
Regularly spaced, single			Overhanging boughs		
Occasional clumps			Exposed bankside roots		
Scal-continuous			Underwater tree roots		
Continuous			Fallen trees		
			Covers muddy debris		

WATERBARS

Waterbar(s)	None	Percent E	Marginal dead-wood	None	Percent E (2.33%)
Coarse(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid channel bar(s)		
Run(s)			Vegetated mid channel bar(s)		
Bank(s)			Mature island(s)		
Ohole(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

predominant flow sequence (select up to three features): (HUC - RAPID)

LEFT BANK - BANKTOP DIMENSIONS AND DIMENSIONS

Banktop width (m)	<u>7.50</u>	RIGHT BANK	
Banktop height (m)	<u>0.6</u>	Banktop height (m)	<u>0.6</u>
Water width (m)	<u>3.50</u>	Embankment height (m)	<u>X</u>
Water depth (m)	<u>0.12</u>		

If waterline lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

VEGETATION

None Number of Culverts = 1 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Roadbridges = 1 Other = 0

Is water impounded by weirs/bars? No Yes, <33% of site >33% of site

EVIDENCE OF RECENT CHANNEL CHANGE (tick one box)

None Dredging Moving Wood cutting
 Embankment Other? State _____

CHARACTERISTICS OF SPECIAL INTEREST (tick one box)

None Waterfalls > 5m high Artificial open water Bog Other (state) _____
 Bridled/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Pits Flush

CROSS CHANNEL

Is 33% or more of the channel choked with vegetation? NO YES

WOOD STANDS

None Giant Hogweed Hairy-twigged Salix Japanese Knotweed Other? Note Rhododendron structure

MAJOR IMPACTS: landfill - tipping - other - storage - pollution - drought - obstructions - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - substrate management - diking - other? = _____

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = _____

Animals: otter - mink - water vole - bigfisher - dipper - grey wagtail - sand martin - brown - dragonfly/damselfly

Other significant observations: Very steep bank. Max rapid, or very steep (SB active) Impressive chutes & mini-waterfalls (<5m). Reed Look ARKATG. Shaded by V. implexa when in spelt.

5 ALDERS (tick appropriate box(es))

None Present Extensive Disturbed Alders? None Present Extensive

1996 RIVER HABITAT SURVEY WITH IFE MODS FOR PLANT GENERA AND POINT BARS Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 2327
 Mid-site grid reference of network site if different from designated location:

Grid Reference: MKLJ391 River: Allt Glas-Choire Mv
 Date: 4.5.1996 Time: 10.14 Surveyor name: J.J.L. Accreditation code: PZ13
 Adverse conditions affecting survey? No Yes If yes, state:

Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C DOMINANT VALLEY FORM (tick one box only)

shallow vee concave/bowl
 (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles 11 Unvegetated point bars 0
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 2

TALLY (see IFE for Riffles) Pools Unveg. side bars Veg point bars

B PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide transect) - one entry only

Spot check 1 in upstream downstream

LEFT BANK: Material <input checked="" type="checkbox"/> BE <input checked="" type="checkbox"/> SE <input checked="" type="checkbox"/> NE <input checked="" type="checkbox"/> RO <input checked="" type="checkbox"/> CC <input checked="" type="checkbox"/> CO <input checked="" type="checkbox"/> BO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> OG	Bank modification(s) <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NG <input checked="" type="checkbox"/> NB <input checked="" type="checkbox"/> NR <input checked="" type="checkbox"/> ND <input checked="" type="checkbox"/> NE <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO	Bank feature(s) <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NG <input checked="" type="checkbox"/> NB <input checked="" type="checkbox"/> NR <input checked="" type="checkbox"/> ND <input checked="" type="checkbox"/> NE <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO
Channel: Channel substrate <input checked="" type="checkbox"/> BE <input checked="" type="checkbox"/> CO <input checked="" type="checkbox"/> NE <input checked="" type="checkbox"/> RO <input checked="" type="checkbox"/> BO <input checked="" type="checkbox"/> GP <input checked="" type="checkbox"/> BO	Substrate shape <input checked="" type="checkbox"/> U <input checked="" type="checkbox"/> W <input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> TR <input checked="" type="checkbox"/> TR <input checked="" type="checkbox"/> TR <input checked="" type="checkbox"/> TR	Plan type <input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> RP <input checked="" type="checkbox"/> CH <input checked="" type="checkbox"/> BU <input checked="" type="checkbox"/> CH <input checked="" type="checkbox"/> UW <input checked="" type="checkbox"/> RP
Channel modification(s) <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NG <input checked="" type="checkbox"/> NB <input checked="" type="checkbox"/> NR <input checked="" type="checkbox"/> ND <input checked="" type="checkbox"/> NE <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO	Channel feature(s) <input checked="" type="checkbox"/> RO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO	RIGHT BANK: Material <input checked="" type="checkbox"/> BE <input checked="" type="checkbox"/> SE <input checked="" type="checkbox"/> NE <input checked="" type="checkbox"/> RO <input checked="" type="checkbox"/> CC <input checked="" type="checkbox"/> CO <input checked="" type="checkbox"/> BO <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> OG
Bank modification(s) <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NG <input checked="" type="checkbox"/> NB <input checked="" type="checkbox"/> NR <input checked="" type="checkbox"/> ND <input checked="" type="checkbox"/> NE <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO	Bank feature(s) <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NG <input checked="" type="checkbox"/> NB <input checked="" type="checkbox"/> NR <input checked="" type="checkbox"/> ND <input checked="" type="checkbox"/> NE <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> NO	

E BANKTOP, LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CP, OR, RH, SC, TR, RP, RL, WL, OR, RU

LAND USE WITHIN 5m OF BANKTOP (L)	CP	CP	CP	CP	SU	CP	CP	CP	CP
LEFT BANK-TOP (structure within 1m) BANC	U	U	U	U	B	U	U	U	B
LEFT BANK FACE (structure) BANC	U	U	U	U	B	U	B	B	B
RIGHT BANK FACE (structure) BANC	U	S	S	U	B	U	B	B	B
RIGHT BANK-TOP (structure within 1m) BANC	U	S	U	U	B	U	U	U	B
LAND USE WITHIN 5m OF BANK TOP (R)	CP	CP	CP	CP	SU	CP	CP	CP	CP

F DOMINANT PLANT GENERA (tick first 5)

NONE					
Bryophytes/lichens					
Emerg broad-leaved herbs					
Emerg reeds/sedges/rushes					
Floating-leaved (rooted)					
Free-floating					
Amphibious					
Submerged broad-leaved					
Submersy fine/linear-leaved					
Filamentous algae					

SITE NO. 2327

Broadleaved woodland (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ sedge vegetation (TH)			Subsidence/urban development (SU)		

ARTIFICIAL/MODIFIED

Natural/unmodified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical/median	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sloped (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Grade	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Composite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Poached	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Embedded	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Set-back embankment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

TREES (tick one box per bank)

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scattered continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

None	<input type="checkbox"/>	<input type="checkbox"/>	None	<input type="checkbox"/>	<input type="checkbox"/>
Present E (2-11%)	<input type="checkbox"/>	<input type="checkbox"/>	Present E (2-11%)	<input type="checkbox"/>	<input type="checkbox"/>

WATERFALLS AND ASSOCIATED FEATURES

Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Moisture island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Slide(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): *Circle Right run*

1996 RIVER HABITAT SURVEY: DIMENSIONS AND DIMENSIONS

LEFT BANK	Banktop width (m)	4.50	RIGHT BANK	
Banktop height (m)	Water width (m)	3.0	Banktop height (m)	1.0
Embankment height (m)	Water depth (m)	0.25	Embankment height (m)	

If bankline lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

WATER CONTROL STRUCTURES

None Number of Culverts = Weirs = Footbridges = Outfalls = Forde =
 Is water impounded by weir/dam? No Yes, < 33% of site > 33% of site

WATER CONTROL STRUCTURES

None Dredging Moving Wood-cutting
 Enhancement Other? State

CHARACTERISTICS OF SPECIAL INTEREST (tick one box)

None Waterfalls > 5m high Artificial open water Bog Other (state)
 Braided/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Fox Flush

F CHANNEL CHANNEL

Is 33% or more of the channel choked with vegetation? NO YES

NOTABLE RULING PLANTS AND OTHER PLANT STANDS

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Name Rhododendron bracteatum

WATER QUALITY

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing (erosion) - forestry management - silting - other =

Land Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other =

Animals: otter - minnow - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations:
 1st ditch to right of bank is a small stream with a weir.
 2nd ditch to right of bank is a small stream with a weir.
 3rd ditch to right of bank is a small stream with a weir.

S ALDERS (tick appropriate box(es))

Alders? None Present Extensive Decayed Alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude(m) Slope (m/km) Flow Category (1-10)
Solid geology code Drift geology code Platform Category
Distance from source (km) Significant tributary? Navigation?
Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 2318
Mid-site grid reference of network site if different from designated location:

Grid Reference: N4310406 River: R. Roy
Date: 4.5.1996 Time: 12:00 Surveyor name: J.L. Accreditation code: PF43

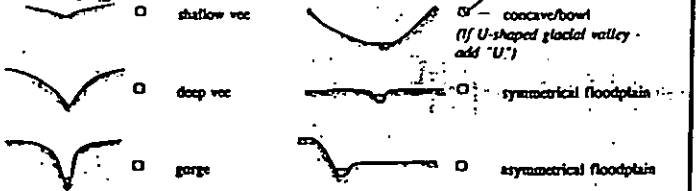
Adverse conditions affecting survey? No [x] Yes [] If yes, state

Bed of river visible? No [] partially [] entirely [x] (tick one box)

IFE single photograph: general character? No [] Yes [x] (tick one box)
and, as required, special feature? No [x] Yes [] (tick one box)

Site surveyed from: left bank [] right bank [x] channel [] (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)



Terraced valley floor? No [x] Yes [] IFE - VALLEY FORM NOTES:

NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate total number)

Riffles: 1 Unvegetated point bars: 0
Pools: 0 Vegetated point bars: 0

COMPLETED FORMS WEEKLY plus all water samples and expenses claim to F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARREN, BH20 6BB

TAIPLY (see DEF) for riffles Pools Use-veg. side bars Veg point bars

B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Table with 10 columns for spot checks 1-10. Includes rows for LEFT BANK, RIGHT BANK, Channel substrate, Substrate shape, Per-veg., Channel modification, Channel feature, EIGHT BANK.

F. BANKTOP LAND USE AND VEGETATION STRUCTURES (to be assessed over a 10m wide transect)

Table with 10 columns for spot checks 1-10. Includes 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-BY VEGETATION COVER (to be assessed over a 10m wide transect)

Table with 10 columns for spot checks 1-10. Includes rows for NONE, Bryophytes/lichen, Emerg broad-leaved herbs, Emerg reeds/sedges/rushes, Floating-leaved (rooted), Free-floating, Amphibians, Submerged broad-leaved, Submerged fine-leaved, Filamentous algae.

1. CHANNEL VEGETATION (indicate total number)

Table with columns L, R. Includes rows: Discontinuous meadow (DL), Fern plantation (CF), Orchard (OR), Woodland/hedge (WR), Open water (OW), Suburban/urban development (SU).

2. CHANNEL VEGETATION (indicate total number)

Table with columns L, R. Includes rows: Natural/unmodified, Artificial/meadow, Reinforced - whole bank, Reinforced - top only, Reinforced - toe only, Artificial coverings, Paved, Embankment, Set-back embankments.

3. TREES (tick one box per bank) ASSOCIATED FEATURES (tick one box per feature)

Table with columns None, Present E, Present B (2.11%). Includes rows: None, Inland/watered, Regularly spaced, slight, Occasional change, Seal continuous, Cordons, Staking of channel, Overhanging boughs, Exposed buttress roots, Underwater tree roots, Fallen trees, Coarse woody debris.

Table with columns None, Present E, Present B (2.11%). Includes rows: Weirfall(s), Cascado(s), Rapid(s), Riffle(s), Bank(s), Bank(s), Chick(s), Pool(s), Margined deadwater, Exposed bedrock, Exposed boulders, Unvegetated mid channel bar(s), Vegetated mid channel bar(s), Matted island(s), Unvegetated side bar(s), Vegetated side bar(s).

etc predominant flow sequence (select up to three features): Right Run RMC

4. CHANNEL VEGETATION (indicate total number)

Table with columns LEFT BANK, RIGHT BANK. Includes rows: Banktop width (m), Banktop height (m), Embankment height (m), Water width (m), Water depth (m), Embankment height (m).

If embankment lower than banktop break in slope, indicate: height (m) = width (m) =
Bed material at site: consolidated (compact) [] unconsolidated (loose) [x] unknown []

Location of measurement is: riffle [x] run or glide [] other [] (tick one box)

5. EVIDENCE OF RECENT MANAGEMENT (tick one box)

Table with columns None, Drifting, Moving, Weed-cutting, Embankment, Other? State.

6. FEATURES OF SPECIAL INTEREST (tick one box)

Table with columns None, Present E, Present B. Includes rows: Weirfalls > 5m high, Brashed/side channels, Octyle dams, Loamy debris, Artificial open water, Natural open water, Water meadow, Flew, Bog, Carr, Marsh, Flush, Other (state).

Is 33% or more of the channel choked with vegetation? NO [x] YES []

7. CHANNEL VEGETATION (indicate total number)

Table with columns None, Giant Hogweed, Humulus Salicis, Aquatica Knotted, Other? Name Rhododendron bractea.

Major impacts: headfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - coal - rail industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - siltation - other? =

Land Management: set-back, buffer strip, headland, abandoned land, partitioned, MoD, other? =

Animals: otter - mink - water vole - bryophyte - dipper - grey wagtail - ead martin - heron - dragonfly/damselfly

Other significant observations: ...

8. ALDERS (tick appropriate box(es))

Alder? None [x] Present [] Fringing [] Disjunct Alder? None [] Present []

BACKGROUND MAP-BASED INFORMATION

Altitude (m)	Slope (m/km)	Flow category (1-10)
Solid geology code	Drift geology code	Platform category
Distance from source (km)	Significant tributary?	Navigation?
Height of source (m)	Water Quality Class	

FIELD SURVEY DETAILS

Reference network site number: 2349
 Mid-site grid reference of network site if different from designated location:

Grid Reference: NR720 E70 River: R. GLOU
 Date: 4.5.1996 Time: 1500 Surveyor name: JL Accreditation code: PF4

Adverse conditions affecting survey? No Yes If yes, state:
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vee	concave/bowl (if U-shaped glacial valley - add 'U')
deep vee	symmetrical floodplain
gorge	asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)

Rifles	Unvegetated point bars
Pools	Vegetated point bars

UNCOMPLETED FORMS WIZEL! plus all water samples and exposure claims TO F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BE

TALLY (see PD) for - Rifles Pools Unveg. side bars Veg point bars

B. PHYSICAL ATTRIBUTES (to be checked across channel within 0.5 m wide transect) (no entry only)

Spot check 1 is upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
--	---	---	---	---	---	---	---	---	---	----

LEFT BANK - TICK (if functional force)

Material (W, M, S, D, G, L, P, C, F, B, U, R, N, V)	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s) (M, D, R, L, P, C, F, B, U, R, N, V)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (W, M, S, D, G, L, P, C, F, B, U, R, N, V)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK - TICK (if functional force)

Material (W, M, S, D, G, L, P, C, F, B, U, R, N, V)	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s) (M, D, R, L, P, C, F, B, U, R, N, V)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (W, M, S, D, G, L, P, C, F, B, U, R, N, V)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CL, DL, ML, SL, TL, SP, SO, FL, RL, OL, OS

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK TOP (structure within 1m) MUSIC	V	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) MUSIC	B	B	B	B	B	B	B	B	B	B
RIGHT BANK FACE (structure) MUSIC	B	B	B	B	B	B	B	B	B	B
RIGHT BANK TOP (structure within 1m) MUSIC	V	S	S	U	B	S	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	SL	SL	SL	SL	SL	SL	SL	SL	SL	SL

VEGETATION CHARACTERISTICS (tick one box only)

NONE / PLANT GENERA - list first 5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg oval/edged/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibians										
Submerged broad-leaved										
Submerg fascicular-leaved										
Filamentous algae										

FORM NO. 2349

	L	R		L	R
Generalized woodland (GL)	E	E	Rough pasture (RP)		
Conifer plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
lowland (ML)			Wetland (eg bog, marsh, fen) (WL)		
Open water (OW)			Open water (OW)		
the most vegetation (TV)			Suburban/urban development (SU)		

	L	R	Artificial/modified	L	R
all/unmodified			Reinforced		
all/undercut	L	E	Reinforced - whole bank		
Vertical + toe			Reinforced - top only		
Slope (>45°)		E	Reinforced - toe only		
side			Artificial two-stage		
			Flushed		
			Embanked		
			Set-back embankment		

TRICES (tick one box per bank)

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None	<input checked="" type="checkbox"/>	Present E (2.33%)
Isolated/matted	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Small continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Coarse woody debris	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Waterfall(s)	None	<input checked="" type="checkbox"/>	Present E	None	<input type="checkbox"/>	Present E (2.33%)
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ran(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Bed(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Grill(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

to predominant flow sequence (select up to three features):

1996 RIVER HABITAT SURVEY - DIMENSIONS AND INFLUENCES

B. CHANNEL DIMENSIONS (to be checked across channel within 0.5 m wide transect)

LEFT BANK	Banktop width (m)	<u>6.0</u>	RIGHT BANK		
Banktop height (m)	<u>1.5</u>	Water width (m)	<u>5.5</u>	Banktop height (m)	<u>1.5</u>
Embanked height (m)		Water depth (m)	<u>0.3</u>	Embanked height (m)	

If gradient lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

None Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No Yes, <33% of site >33% of site

EVIDENCE OF ADEQUATE MANAGEMENT (tick appropriate)

None Dredging Moving Weed-cutting
 Enhancement Other? State:

CHARACTERISTICS OF SPECIAL INTEREST (tick appropriate)

None
 Waterfalls > 5m high Artificial open water Bog Other (state)
 Braided/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Pits Flush

Is 33% or more of the channel choked with vegetation? NO YES

NON-NATIVE PLANT SPECIES (tick appropriate)

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Name:

MAJOR IMPACTS (tick appropriate)

landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - stiling - other? =

Land Management: set-aside - buffer strip - headland - abandoned land - partitioned - MoD - other? =

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations:

5 ALDERS (tick appropriate box(es))

Alders? None Present Extensive Dispersed Alders? None Present Extensive

1996 RIVER HABITAT SURVEY WITH UFB MODIFICATION (Ecoregion and Geology)

A. BACKGROUND/MADE-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____
 Solid geology code _____ Drift geology code _____ Platform category _____
 Distance from source (km) _____ Significant tributary? _____ Navigation? _____
 Height of source (m) _____ Water Quality Class _____

B. FIELD SURVEY DETAILS

Reference network site number: 2350
 Mid-site grid reference of network site if differs from designated location: _____

Grid Reference: MN302E78 River: R. Row
 Date: 4/5/1996 Time: 13.30 Surveyor name: JJC Accreditation code: PF43

Adverse conditions affecting survey? No Yes If yes, state: _____
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C. DOMINANT VALLEY FORM (tick one box only)

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES: _____

D. TYPES OF RIFFLES, POOLS AND POINT BARS (tick one total feature)

Riffles Unvegetated point bars
 Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WARRERAN, BR70 6BB

1996 RIVER HABITAT SURVEY WITH SPOT CHECKS Page 2 of 4

TALLY (see BS) for - Riffles Pools _____ Uveg. side bars _____ Veg point bars _____

E. PHYSICAL ATTRIBUTES (tick one feature)

Spot check 1: vegetation <input checked="" type="checkbox"/> dominantly <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK: Material <u>BE</u>	BE	BE	EA	BO	EA	EA	EA	EA	EA	EA
Bank modification(s) <u>NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate <u>CO</u>	CO	CO	CO	CO	CO	CO	CO	CO	CO	CO
Substrate slope <u>FL</u>	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type <u>SM</u>	SM	SM	SM	SM	SM	SM	SM	SM	SM	SM
Channel modification(s) <u>NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: Material <u>PR</u>	PR	BE	EA	EA	EA	BO	BO	BO	BO	BO
Bank modification(s) <u>NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>NO</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BL, CL, OL, ML, SL, TL, PL, RL, UL, VL, WL, XL, YL, ZL

LAND USE WITHIN 5m OF BANKTOP (L)	PM	PH	PL	PM	PH	PL	PM	PH	PL	PM
LEFT BANK TOP (structure within 1m) <u>BL</u>	U	B	U	B	U	U	U	U	U	U
LEFT BANK FACE (structure) <u>BL</u>	U	B	B	B	U	U	U	U	U	U
RIGHT BANK FACE (structure) <u>BL</u>	U	B	B	B	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) <u>BL</u>	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	PM	PH	PL	PM	PH	PL	PM	PH	PL	PM

G. PLANT GENERA - list Gen S

NONE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Myriophytes/Algae										
Emergent broad-leaved herbs										
Emergent rush/edges/reeds										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fascicular-leaved										
Filamentous algae	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

SITE NO. 2350

Broadleaved woodland (BL)	<input checked="" type="checkbox"/>		Rough pasture (RP)		
Coniferous plantation (CP)			Improved/improved grass (IG)		<input checked="" type="checkbox"/>
Orchard (OR)			Tiled roof (TL)		
Moorland/heath (MH)	<input checked="" type="checkbox"/>		Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' sward vegetation (TH)			Suburban/urban development (SU)		

Natural/semi-natural L R Artificial/modified L R

Vertical/woodland LE EE EE EE EE EE
 Vertical + tree LE EE EE EE EE EE
 Steep (>45°) LE EE EE EE EE EE
 Grotto _____
 Composite _____
 Pouched _____
 Embanked _____
 Set-back embankments _____

THRESH (tick one bar per bank)

None	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Irregular/uniform	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>
Occasional change	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Low continuous	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

Shading of channel	None <input type="checkbox"/>	Present <input checked="" type="checkbox"/>
Overhanging banks	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Concealed woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WATERBARS (tick one bar per bank)

None	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): CL CL CL

RIVER HABITAT SURVEY WITH DIMENSIONS AND IMPROVEMENTS

LEFT BANK Banktop width (m) 39 **RIGHT BANK** _____
 Banktop height (m) 0.75 Water width (m) 35 Banktop height (m) 0.75
 Embankment height (m) _____ Water depth (m) 0.75 Embankment height (m) _____

If embankment lower than banktop break in slope, indicate: height (m) = _____ width (m) = _____

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

CHARACTER OF OBSTACLES / IMPROVEMENTS

None Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____
 Footbridges = _____
 Is water impounded by weirs/dams? No Yes, <33% of site >33% of site

REASON FOR IMPROVEMENTS / OBSTACLES

None Dredging Moving Wood-cutting
 Enhancement Other? State: _____

CHARACTER OF OBSTACLES / IMPROVEMENTS

None Waterfalls > 5m high Artificial open weir Bog Other (state) _____
 Brakes/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Fan Flush

Is 33% or more of the channel choked with vegetation? NO YES

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Name: Rhododendron bracteatum

MAJOR IMPACTS landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail industry - housing - mining - quarrying - overgrazing - afforestation - fabricas management - silting - other? = _____

Land Management: set-aside - buffer strip - heathland - abandoned land - parkland - MoD - other? = _____

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonfly/damselfly

Other significant observations: Asker catcher
Are doing Great land snails, large side bars, grass in side, little vegetation
on the site. Small amount of All new building (not in section).

WALDERS (tick appropriate box)

Alders: None Present Extensive Dilapidated Alders: None Present Extensive

BACKGROUND MAP-BASED INFORMATION

Abund(m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation? *NO*
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: *2351*
 Mid-site grid reference of network site if different from designated location:

Grid Reference: *NN462 810* River: *ALT COIRE RITRION*
 Date: *7.5.1996* Time: *13:42* Surveyor name: *DUNNAN* Accreditation code: *PF27*

Adverse conditions affecting survey? No Yes If yes, state _____
 Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box)

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFB - VALLEY FORM NOTES:

NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box)

Rifles *7* Unvegetated point bars *6*
 Pools *1* Vegetated point bars *0*

COMPLETED FORMS WELCOME! plus all water samples and expenses claims TO
 P. M. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WALKERAN, BR70 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see D1) for *RITRION* Pools / Average side bars: *LH* / VEG point bars

PHYSICAL ATTRIBUTES (to be completed across channel width of 10m wide (maximum) - one check only)

Spot check 1: upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK: VEGETATION (tick one box)										
Material <i>EA EA EA EA EA EA EA EA EA EA EA</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>NO NO NO NO NO NO NO NO NO NO NO</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <i>NO NO EC NO NO EC PB NO SP</i>	NO	NO	EC	NO	NO	EC	PB	NO	SP	
Channel substrate <i>GP GP GP GP GP GP GP GP GP GP GP</i>	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape <i>IR IR IR IR IR IR IR IR IR IR IR</i>	IR	IR	IR	IR	IR	IR	IR	IR	IR	IR
Flow type <i>NP NP NP NP NP NP NP NP NP NP NP</i>	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Channel modification(s) <i>NO NO NO NO NO NO NO NO NO NO NO</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <i>NO NO NO NO NO NO NO NO NO NO NO</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK: VEGETATION (tick one box)										
Material <i>EA EA EA EA EA EA EA EA EA EA EA</i>	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <i>NO NO NO NO NO NO NO NO NO NO NO</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <i>NO NO PB NO NO NO PB EC NO NO</i>	NO	NO	PB	NO	NO	NO	PB	EC	NO	NO

LAND USE AND VEGETATION STRUCTURE (to be completed across channel width of 10m wide (maximum))

Land use: choose one from *BL, CL, OL, OR, SC, TL, GP, RL, PL, DR, DU*

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
LEFT BANK TOP (structure within 1m) <i>BUUC</i>	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <i>BUUC</i>	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure) <i>BUUC</i>	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m) <i>BUUC</i>	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP

PLANT GENERA - list first 5

NONE										
Bryophytes/lichen										
Emergent broad-leaved herbs										
Emergent reeds/rushes/grasses										
Flowering trees (rooted)										
Free-floating										
Amphibians										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

NO. 2351

L	R	L	R
1 <i>unflooded woodland (UL)</i>		<i>Rough pasture (RP)</i>	
C <i>tree plantation (CP)</i>		<i>improved/unimproved grass (CG)</i>	
O <i>orchard (CO)</i>		<i>titled land (TL)</i>	
M <i>moorland/heath (MO)</i>		<i>wetland (by bog, marsh, fen) (WL)</i>	
S <i>sea (SO)</i>		<i>open water (OW)</i>	
T <i>town/village/urban (TU)</i>		<i>suburban/urban development (SU)</i>	

NATURAL/ARTIFICIAL

Natural/unmodified	L	R	Artificial/modified	L	R
V1 <i>intact</i>			<i>Recessed</i>		
V2 <i>+ ice</i>			<i>Recessed - whole bank</i>		
S <i>steep (>45°)</i>			<i>Recessed - top only</i>		
C <i>coarse</i>			<i>Recessed - toe only</i>		
Co <i>ice</i>			<i>Artificial two-stage</i>		
			<i>Partial</i>		
			<i>Embanked</i>		
			<i>Set-back embankments</i>		

TREES (tick one box per bank)

None	Left	Right	None	Present	% (2.11%)
<i>Isolated/scattered</i>			<i>Shading of channel</i>		
<i>equally spaced, single</i>			<i>Overhanging branches</i>		
<i>occasional clumps</i>			<i>Exposed bankside roots</i>		
<i>semi-continuous</i>			<i>Understorey tree roots</i>		
<i>Continuous</i>			<i>Pollen trees</i>		
			<i>Coarse woody debris</i>		

ASSOCIATED FEATURES (tick one box per feature)

None	Present	% (2.11%)
<i>Marginal deadwater</i>		
<i>Exposed bankrock</i>		
<i>Exposed boulders</i>		
<i>Unvegetated mid channel bar(s)</i>		
<i>Vegetated mid channel bar(s)</i>		
<i>Mature island(s)</i>		
<i>Unvegetated side bar(s)</i>		
<i>Vegetated side bar(s)</i>		

Other significant observations: This river was in *spelling* fluge deposits of *CO&EO*. River has *recently changed* course. Feeds a *loch* *Star* in upper section with *reeds* and *no-recognizable* flow at end of river. *W&S* across of *link* so *RB* have been *buried*.

5 ALDERS (tick appropriate box(es))

None Present Extensive Damaged Alders? None Present Extensive

STANDARD MEASUREMENTS AND DIMENSIONS

LEFT BANK	Banktop width (m)	<i>5.0</i>	RIGHT BANK
Banktop height (m)	<i>0.45</i>	Water width (m)	<i>4.90</i>
Embarked height (m)	<i>X</i>	Water depth (m)	<i>0.15</i>
		Banktop height (m)	<i>0.45</i>

If waterfalls lower than banktop level in slope, indicate: height (m) = *X* width (m) = *X*

Bed material at site is: *consolidated (concrete)* *unconsolidated (stones)* *clay/mud* *etc.*

Location of measurement is: *riffle* *run or glide* *other* (tick one box)

WATER QUALITY

None Number of *Chironomids* = *1* *Waters* = *1* *Outlets* = *1* *Ferds* = *1*
Podopterygids = *1* *Roadbridges* = *1* *Other* = *1*

Is water impounded by weirs? No Yes, < 33% of site > 33% of site

CHARACTERISTICS OF SPECIAL INTEREST

None Drugging Mowing Weed-cutting
Enhancement *Other T. State*

IS 33% OR MORE OF THE CHANNEL CHOKED WITH VEGETATION? NO YES

EXOTIC SPECIES

None *Great Hogweed* *Himalayan Balsam* *Japanese Knotweed* *Other?* *Nettle* *Rhododendron* *betula*

MAJOR IMPACTS: *hunting* *logging* *linear* *average* *pollution* *drought* *obstruction* *cell* *dam* *road* *cell* *industry*
mining *quarrying* *overcropping* *afforestation* *fisheries management* *sliding* *other?*

LAND MANAGEMENT: *set-aside* *buffer strip* *headland* *abandoned head* *partland* *MoD* *other?*

ANIMALS: *snail* *water vole* *leeches* *slugs* *grey wagtail* *reed martin* *heron* *dragonflies/damselflies*

1996 RIVER HABITAT SURVEY: WHITE FORM for plant genera and channel Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation? NO
 Height of source (m) Water Quality Class

B. FIELD SURVEY DETAILS

Reference network site number: 2352
 Mid-site grid reference of network site if different from designated location:

Grid Reference: NN549849 River: PATICK
 Date: 7.5.1996 Time: 11:19 Surveyor name: DUNJAN Accreditation code: PF27

Adverse conditions affecting survey? No Yes If yes, state:

Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

shallow vee concave/bowl
 (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)

Rifles 3 Unvegetated point bars
 Pools 0 Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO
 F. H. DARSON, IFE, RIVER LABORATORY, EAST STOEVE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE) for: Rifles Pools Unveg side bars Veg point bars

B. PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect) - one entry only

Spot check 1st upstream downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK (TICK if functional slope)										
Material <input type="checkbox"/> M <input type="checkbox"/> S <input type="checkbox"/> G <input type="checkbox"/> CL <input type="checkbox"/> SL <input type="checkbox"/> G <input type="checkbox"/> F <input type="checkbox"/> L <input type="checkbox"/> C <input type="checkbox"/> P <input type="checkbox"/> M <input type="checkbox"/> B <input type="checkbox"/> D	BO	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M	NO	NO	NO	SB	SB	SB	SB	NO	SB	SB
Channel substrate <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M	BO	BO	BO	BO	BO	BO	BO	BO	BO	BO
Substrate shape <input type="checkbox"/> FL <input type="checkbox"/> FL <input type="checkbox"/> FL <input type="checkbox"/> FL <input type="checkbox"/> FL <input type="checkbox"/> FL	FL	FL	FL	FL	FL	FL	FL	FL	FL	FL
Flow type <input type="checkbox"/> FL <input type="checkbox"/> FL <input type="checkbox"/> FL <input type="checkbox"/> FL <input type="checkbox"/> FL <input type="checkbox"/> FL	UN	RP	UN	RP	UN	UN	UN	UN	UN	UN
Channel modification(s) <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M	RO	RO	RO	RO	RO	RO	RO	RO	RO	RO
RIGHT BANK (TICK if functional slope)										
Material <input type="checkbox"/> M <input type="checkbox"/> S <input type="checkbox"/> G <input type="checkbox"/> CL <input type="checkbox"/> SL <input type="checkbox"/> G <input type="checkbox"/> F <input type="checkbox"/> L <input type="checkbox"/> C <input type="checkbox"/> P <input type="checkbox"/> M <input type="checkbox"/> B <input type="checkbox"/> D	EA	EA	RO	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M	SB	SB	NO	NO	NO	SB	SB	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, OR, MR, SC, TR, RP, RG, RL, MR, OR, SL

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	MH	MH	MR	MH	MH	MR
LEFT BANK-TOP (structure within 1m) <input type="checkbox"/> M <input type="checkbox"/> M <input type="checkbox"/> M	U	U	U	U	S	S	S	S	S	U
LEFT BANK FACE (structure) <input type="checkbox"/> M <input type="checkbox"/> M	B	U	U	U	B	B	U	U	U	U
RIGHT BANK FACE (structure) <input type="checkbox"/> M <input type="checkbox"/> M	U	U	B	U	B	U	U	U	S	U
RIGHT BANK-TOP (structure within 1m) <input type="checkbox"/> M <input type="checkbox"/> M	U	U	S	U	U	U	U	S	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	RP	RP	RP	RP	RP	RP	RP	MH	MH	MH

G. CHANNEL VEGETATION TYPES

NONE										
Byrophytes/algae										
Emerg broad-leaved herbs										
Emerg reeds/sedges/cattails										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

ITE NO. 2352

	L	R		L	R
Broadleaved woodland (BL)			Rough pasture (RP)	E	E
Coniferous plantation (CP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)	F	F	Wetland (eg bog, marsh, fen) (WL)		
Scrub (SQ)			Open water (OW)		
Tall herb/ reed vegetation (TH)			Suburban/urban development (SU)		

NATURAL/UNMODIFIED (L R) **ARTIFICIAL/MODIFIED** (L R)

Vertical/unobscured	L	R	Embankment		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)	E	E	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Poached		
			Embankment		
			Set-back embankments		

TREES (tick one box per bank) **ASSOCIATED FEATURES** (tick one box per feature)

None	Left	Right	Shading of channel	None	Percent E (2.11%)
Isolated/scattered			Overhanging boughs		
Regularly spaced, single			Exposed bankside roots		
Occasional clumps			Underwater tree roots		
Small continuous			Fallen trees		
Continuous			Coarse woody debris		

WATERBARS (None Present E (2.11%))

Waterfall(s)			Marginal deadwater		
Cascade(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid-channel bar(s)		
Bar(s)			Vegetated mid-channel bar(s)		
Boil(s)			Mature island(s)		
Chide(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

Indicate predominant flow sequence (select up to three features): Rapid riffle/run

1996 RIVER HABITAT SURVEY: DIMENSIONS AND DISTURBANCES

CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	<u>22.5</u>	RIGHT BANK	
Banktop height (m)	Water width (m)	<u>18.5</u>	Banktop height (m)	<u>0.5</u>
Embankment height (m)	Water depth (m)	<u>0.45</u>	Embankment height (m)	<u>X</u>

If embankment lower than banktop level in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact) unconsolidated (loose) outcrops

Location of measurement is: riffle run or glide other (tick one box)

MAN-MADE FEATURES

None Number of Culverts = 0 Weirs = 0 Outfalls = 0 Fords = 0
 Footbridges = 0 Other = 0

Is water impounded by weirs/dams? No Yes, <33% of site >33% of site

SOILS/ROCKS AND MANAGEMENT

None Dredging Moving Wood-coring
 Enhancement Other? State:

OPERATION OF SPECIAL INTEREST (tick one box)

None Waterfalls > 5m high Artificial open water Bog Other (state)
 Brackish/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Fen Flush

VEGETATION

Is 33% or more of the channel choked with vegetation? NO YES

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Nettle Rhododendron bracken

MAJOR IMPACTS (tick one box)

landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overcropping - afforestation - fisheries management - silting - other? =

Land Management: set-back - buffer strip - silt-trap - abandoned land - partition - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - drongopical/damselfly

Other significant observations: Large run with long SB. Long rapids and slide riffle/runs. Community has in approximately health, with patches of...

S ALDERS (tick appropriate box(es))

Alders? None Fractal Extensive Disturbed Alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

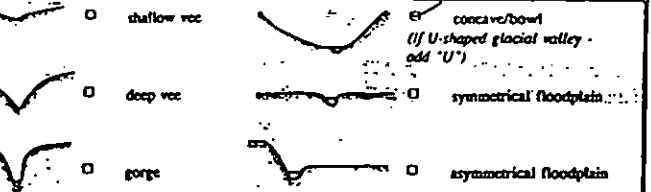
FIELD SURVEY DETAILS

Reference network site number: 236
 Mid-site grid reference of network site if different from designated location:

Grid Reference: N=665703 River: River Shel
 Date: 6/3/1996 Time: 15.10 Surveyor name: J.J.L. Accreditation code: PF 48

Adverse conditions affecting survey? No Yes If yes, state:
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature 1. No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)



Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

Number of riffles: Unvegetated point bars:
 Pools: Vegetated point bars:

COMPLETED FORMS WEEKLY plus all water samples and experience claims to F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WALSLEY, S81D 6BB

TALLY (see JRS) for - Riffles Pools Uplung side bars Veg point bars

Spot check 1 in upstream	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)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Channel substrate	NV	EP	GP	GP	GP	GP	GP	GP	GP	GP
Substrate shape	-	O	NV	NV	NV	NV	NV	NV	NV	NV
Flow type	SM	SM	SM	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	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR
Material	RR	RR	RR	RR	RR	RR	RR	RR	RR	RR
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide channel)

LAND USE WITHIN 5m OF BANKTOP (L)	SU	SU	RP	RP	SC	RP	RP	RP	RP	RP
LEFT BANK TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK TOP (structure within 1m)	S	U	U	U	U	U	U	U	U	S
LAND USE WITHIN 5m OF BANK TOP (R)	SC	SU	SU	SU	SU	SU	SU	SU	SU	SU

NONE / PLANT GENERA - see Box 5										
Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent needle-leaved herbs										
Flowering-leaved (forest)										
Free-floating										
Algae										
Submerged broad-leaved										
Submerged floating-leaved										
Filamentous algae										

NO. 2366

L	R	Artificial/modified	L	R
1	2	Rough pasture (RP)		
3	4	Improved/improved grass (IG)		
5	6	Tiled land (TL)		
7	8	Wetland (eg bog, marsh, fen) (WL)		
9	10	Open water (OW)		
11	12	Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
V. Pastoral			Reforested		
V. 1 + 2a			Reforested - whole bank		
Steep (>43°)			Reforested - top only		
Gentle			Reforested - toe only		
C. In			Artificial two-stage		
			Embanked		
			Set back embankments		

TREES (tick one box per bank)	ASSOCIATED FEATURES (tick one box per feature)
None	Shading of channel
Isolated/scattered	Overhanging branches
Regularly spaced, single	Exposed bankside roots
Occasional clumps	Underwater tree roots
Local clumps	Fallen trees
Continuous	Course woody debris

Waterfall(s)	None	Percent 0	Marginal deadwater	None	Percent 0 (2.11%)
Caution(s)			Exposed bedrock		
Rapid(s)			Exposed boulders		
Riffle(s)			Unvegetated mid-channel bar(s)		
Ram(s)			Vegetated mid-channel bar(s)		
Bolt(s)			Mature island(s)		
OHM(s)			Unvegetated side bar(s)		
Pool(s)			Vegetated side bar(s)		

predominant flow sequence (select up to three features): *Bank Run Gide*

1996 RIVER HABITAT SURVEY DIMENSIONS AND DISTANCES

LEFT BANK	Banktop width (m)	15	RIGHT BANK	10
Banktop height (m)	Water width (m)	30	Banktop height (m)	1.0
Embanked height (m)	Water depth (m)	NK	Embanked height (m)	

If water level then banktop break in slope, indicate: height (m) = width (m) =
 Bed material at the site: consolidated (poor) unconsolidated (poor) Checkstone

Location of measurement is: riffle run or glide other (tick one box)
 None Number of Cut-beds = Water = Outfalls = Pools =
 Footbridges = Rakebridges = Other =
 Is water impounded by weirs? No Yes, <31% of site >31% of site

MANAGEMENT OPERATIONS
 None Dredging Mowing Weed-cutting
 Enhancement Other? Stone

None	Waterfalls > 5m high	Artificial open water	Bog	Other (state)
	Bankside channels	Natural open water	Carri	
	Debris dams	Water meadow	Marsh	
	Loaty debris	Pea	Flask	

Is 31% or more of the channel choked with vegetation? NO YES

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? *Notch Rhododendron fructus*

Major impacts: beech - sipping - litter - sewage - pollution - drought - obstruction - soil - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silt - other? =
 Land Management: set-back - buffer strip - broadbed - abandoned land - parkland - MoD - other? =
 Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:
Wee river - Good evening thing and all the fish are out of the water but not the river is not very lively.

5 ALDERS (tick appropriate box(es))
 Alders' None Present Extensive Discard Alders' None Present Extensive

1996 RIVER HABITAT SURVEY Multiple copies for plan, general and special. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____
 Solid geology code _____ Drift geology code _____ Planform category _____
 Distance from source (km) _____ Significant tributary? _____ Navigation? _____
 Height of source (m) _____ Water Quality Class _____

B. FIELD SURVEY DETAILS

Reference network site number: **2367**
 Mid-site grid reference of network site if different from designated location: _____

Grid Reference: **NM730714** River: **R. Maidant**
 Date: **7.15.1996** Time: **16.00** Surveyor name: **JL** Accreditation code: **PFCE**

Adverse conditions affecting survey? No Yes If yes, state _____

Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES: _____

D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate bank)

Rifles **5** Unvegetated point bars **1**
 Pools **1** Vegetated point bars **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE) for - Rifles **1111** Pools _____ Unveg side bars _____ Veg point bars _____

E. PHYSICAL ATTRIBUTES (to be measured across channel within a 1m wide transect) - one entry only

Spot check 1 is: upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK (structure within 1m) BO	EA	BE	CO	BE	BO	BE	EA	CO	BO	CC
Material W, H, D, S, C, P, V, B, L, U, G, M, R, N, J, F, C, M, E, N	EA	BE	CO	BE	BO	BE	EA	CO	BO	CC
Bank modification(s) W, H, D, S, C, P, V, B, L, U, G, M, R, N, J, F, C, M, E, N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) W, H, D, S, C, P, V, B, L, U, G, M, R, N, J, F, C, M, E, N	SB	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate W, H, D, S, C, P, V, B, L, U, G, M, R, N, J, F, C, M, E, N	BO	BO	BO	CO	BO	BE	CO	BO	CO	CC
Substrate shape F, O, Y, B, L, C, U, P, R, O, M, S, W, A, R, D, R, B, R, C, H	TA	FL	OV	TR	TR	WA	DR	TR	DR	CH
Flow type F, O, Y, B, L, C, U, P, R, O, M, S, W, A, R, D, R, B, R, C, H	RP	SM	RP	SM	UN	W, CH, LW, W, W, CH, EN				
Channel modification(s) W, H, D, S, C, P, V, B, L, U, G, M, R, N, J, F, C, M, E, N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) W, H, D, S, C, P, V, B, L, U, G, M, R, N, J, F, C, M, E, N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (structure within 1m) BO	BO	BO	BO	CO	BO	BE	CO	BO	CO	CC
Material W, H, D, S, C, P, V, B, L, U, G, M, R, N, J, F, C, M, E, N	BO	BE	BO	BO	EA	EA	EA	EA	BE	BE
Bank modification(s) W, H, D, S, C, P, V, B, L, U, G, M, R, N, J, F, C, M, E, N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) W, H, D, S, C, P, V, B, L, U, G, M, R, N, J, F, C, M, E, N	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be measured over a 10m wide transect)

Land use: choose one from **BL, CP, DL, ML, SC, TR, RP, RL, FL, WL, BR, BU**

LAND USE WITHIN 5m OF BANKTOP (L)	BL	BU	BL	RP	BL	BL	BU	BU	BL	IG
LEFT BANK-TOP (structure within 1m) BL	U	B	S	U	B	S	S	S	S	U
LEFT BANK FACE (structure) BL	S	B	U	B	U	S	S	S	B	B
RIGHT BANK FACE (structure) BL	U	B	U	B	U	S	S	U	U	B
RIGHT BANK-TOP (structure within 1m) BL	S	B	S	B	S	S	S	S	S	B
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BU	DL	DL	BL	BL	BL	BL	BL	BL

G. PLANT GENERA - list first 5

NONE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bryophytes/lichens										
Emerging broad-leaved herbs										
Emerging reeds/sedges/carexes										
Floating-leaved (rooted)										
Free-floating										
Amphibians										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

SITE NO. 2367

I. CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	12	RIGHT BANK	Banktop height (m)	0.40
	Water width (m)	10		Water depth (m)	0.40
	Banktop height (m)			Embankment height (m)	

If trough is lower than banktop break in slope, indicate: height (m) = _____ width (m) = _____

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: stable run or glide other (tick one box)

II. CHANNEL VEGETATION

None Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____
 Footbridges = _____
 Is water impounded by weir/dam? No Yes, <31% of site >31% of site

III. CHANNEL MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other? State: _____

IV. CHARACTERISTICS OF CHANNEL VEGETATION

None Waterfalls > 5m high Artificial open water Bog Other (state) _____
 Broad/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Lush debris Fen Flush

V. CHANNEL CHANNEL

Is 33% or more of the channel choked with vegetation? NO YES

VI. CHANNEL VEGETATION

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? **Mistle, Rhododendron bracken**

VII. CHANNEL VEGETATION

Major impacts: landfill - sipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - Eutrophication management - afforestation - other? = _____

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = _____

Animals: other - mink - water vole - kingfisher - dipper - grey heron - sand martin - horn - dragonflies/damselflies

Other significant observations
 US Left 50m BANK is impounded by a weir, mainly from the
 Great RL of the 10 to 30 m - this is the main point

VIII. ALDERS (tick appropriate boxes)

Alders? None Present Extensive Disused Alders? None Present Extensive

Indicate predominant flow sequence (select up to three features): **C. Riffle G. dc**

1996 RIVER HABITAT SURVEY CHANNEL DIMENSIONS AND VEGETATION Page 3 of 4

I. CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	12	RIGHT BANK	Banktop height (m)	0.40
	Water width (m)	10		Water depth (m)	0.40
	Banktop height (m)			Embankment height (m)	

If trough is lower than banktop break in slope, indicate: height (m) = _____ width (m) = _____

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: stable run or glide other (tick one box)

II. CHANNEL VEGETATION

None Number of Culverts = _____ Weirs = _____ Outfalls = _____ Fords = _____
 Footbridges = _____
 Is water impounded by weir/dam? No Yes, <31% of site >31% of site

III. CHANNEL MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other? State: _____

IV. CHARACTERISTICS OF CHANNEL VEGETATION

None Waterfalls > 5m high Artificial open water Bog Other (state) _____
 Broad/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Lush debris Fen Flush

V. CHANNEL CHANNEL

Is 33% or more of the channel choked with vegetation? NO YES

VI. CHANNEL VEGETATION

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? **Mistle, Rhododendron bracken**

VII. CHANNEL VEGETATION

Major impacts: landfill - sipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - Eutrophication management - afforestation - other? = _____

Land Management: set-aside - buffer strip - woodland - abandoned land - parkland - MoD - other? = _____

Animals: other - mink - water vole - kingfisher - dipper - grey heron - sand martin - horn - dragonflies/damselflies

Other significant observations
 US Left 50m BANK is impounded by a weir, mainly from the
 Great RL of the 10 to 30 m - this is the main point

VIII. ALDERS (tick appropriate boxes)

Alders? None Present Extensive Disused Alders? None Present Extensive

1996 RIVER HABITAT SURVEY (SUSSEX) Form for plain rivers and floodplain (page 1 of 4)

BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Platform category
 Distance from source (km) Significant tributary? Navigation? NO
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: **2369**
 Mid-size grid reference of network site (if different from designated location):

Grid Reference: **NM948781** River: **DUBH LIGHE**
 Date: **8.1.1996** Time: **09:47** Surveyor name: **DUNGAN** Accreditation code: **PF27**

Adverse conditions affecting survey? No Yes If yes, state: _____
 Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box)

shallow vee concave/bowl (if U-shaped glacial valley - add 'U')
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFLES AND POOLS (tick one box for each)

Rifles **1** Unvegetated point bars
 Pools **2** Vegetated point bars

COMPLETED FORMS WEEKLY plus all water samples and exposure claims TO
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOCK, WAREHAM, BH20 6SB

1996 RIVER HABITAT SURVEY (SUSSEX) Form for plain rivers and floodplain (page 2 of 4)

PHYSICAL ATTRIBUTES (tick one box for each)

Spot check 1 vs. vegetation decomposition

LEFT BANK	1	2	3	4	5	6	7	8	9	10
Material by R, G, CL, SL, S, L, CL, P, W, D, L, M, L, P, W	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SC	NO	SC	NO	SC	SB	EC	NO	NO
Channel substrate	SA	CO	GP	SA	SA	GP	EA	EA	EA	SA
Substrate shape	X	SR	TR	X	NO	TR	X	X	X	X
Pool type	SM	SM	NP	RP	RP	SM	SM	SM	NP	NP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK	V	V	V	V	V	V	V	V	V	V
Material by R, G, CL, SL, S, L, CL, P, W, D, L, M, L, P, W	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	SC	SC	SC	NO	SC	SC	EC	SC	EC	NO

BANKTOP LAND USE AND VEGETATION STRUCTURE (tick one box for each)

Land use: choose one from R, G, CL, SL, S, L, CL, P, W, D, L, M, L, P, W

LAND USE WITHIN 5m OF BANKTOP (L)	WL	RP	WL	M	WL	M	WL	M	WL	M
LEFT BANK-TOP (structure within 1m) BUDC	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) BUDC	U	S	S	S	S	S	U	S	R	S
RIGHT BANK FACE (structure) BUDC	U	U	U	U	U	U	B	S	U	U
RIGHT BANK-TOP (structure within 1m) BUDC	S	U	U	S	U	S	U	U	S	U
LAND USE WITHIN 5m OF BANK TOP (L)	BL	BL	WL	M	WL	RP	RP	RP	M	RP

DIAPYCNES VEGETATION (tick one box for each)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens	1	2	3	4	5	6	7	8	9	10
Emerg broad-leaved herbs										
Emerg reed/sedge/rushes										
Floating leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerg fine-leaved										
Filamentous algae										

NO. **2862**

	L	R		L	R
Unflooded woodland (UL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Open plantation (OP)			Improved/semi-improved grass (IG)		
Orchard (OR)			Tiled roof (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scrub (SC)			Open water (OW)		
Trees and vegetation (TV)			Suburban/urban development (SU)		

Natural/semi-natural

	L	R	Artificial/modified	L	R
Unimproved	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reconstructed		
1 + 1m	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank		
Stony (>45)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Gravel			Reinforced - toe only		
Concrete			Artificial two-stage		
			Pierced	<input checked="" type="checkbox"/>	
			Embanked		
			Set-back embankment		

TREES (tick one box per bank)

	None	Left	Right	None	Percent E (z. JJS)
Shedding of canopy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overhanging branches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Churn woody debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

	None	Percent E (z. JJS)
Marginal flood-water	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Manure island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

WATERBODIES

	None	Percent E	None	Percent E (z. JJS)
Waterbodies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Canals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapids	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Loes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Islands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Olds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pools	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

predominant flow sequence (select up to three features): **GLIOE**

EXPOSURE TO RIVER BANKS (SUSSEX) FORM FOR PLAIN RIVERS AND FLOODPLAIN (page 3 of 4)

PHYSICAL ATTRIBUTES (tick one box for each)

LEFT BANK	Banktop width (m)	12.0	RIGHT BANK	
Banktop height (m)	Water width (m)	9.0	Banktop height (m)	1
Embankment height (m)	Water depth (m)	0.6	Embankment height (m)	X

If embankment lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site: consolidated (compact) unconsolidated (loose) unknown

Location of measurement in: cliff rim or glide other (tick one box)

None Number of Culverts = _____ Weirs = _____ Outfalls = _____ Ponds = _____
 Footbridges = _____ Railbridges = _____
 Is water impounded by weir/dam? No Yes, <31% of site >31% of site

EVIDENCE OF A STRUCTURE (tick one box for each)

None Dredging Mowing Weed-cutting
 Enhancement Other? State: _____

FEATURES OF SPECIAL INTEREST (tick one box for each)

None Waterfalls > 5m high Artificial open water Bog Other (state) _____
 Bricks/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Loose debris Pits Flush

WOODLAND (tick one box for each)

Is 1% or more of the channel checked with vegetation? NO YES

WOODLAND VEGETATION (tick one box for each)

None Giant Hogweed Hemitrypsium Bahama Japanese Knotweed Other? (tick one box for each)

MAJOR IMPACTS (tick one box for each)

Major impacts: bed/d - sipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overstocking - afforestation - fisheries management - silt - other? = _____

Land Management: set-back - buffer strip - banked - abandoned land - parkland - MoD - other? = _____

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: **where conveyance does not block channel there is a greater diversity of plants some on R/Bs come and goes via banktop but in mid and oppo to keep a low will stay next to river & away from CP**

ALDERS (tick appropriate box)

Alders: None Present Extensive Disturbed Alders? None Present Extensive

1996 RIVER HABITAT SURVEY (Use for riparian reaches and confluences)

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____
 Solid geology code _____ Drift geology code _____ Planform category _____
 Distance from source (km) _____ Significant tributary? _____ Navigation? **NO**
 Height of source (m) _____ Water Quality Class _____

B. FIELD SURVEY DETAILS

Reference network site number: **2372**
 Mid-site grid reference of network site if different from designated location: _____

Grid Reference: **NN220783** River: **COUR**
 Date: **6.5.1996** Time: **11:00** Surveyor name: **DUNNAN** Accreditation code: **PF27**

Adverse conditions affecting survey? No Yes If yes, state: _____

Bed of river visible? No partially entirely (tick one box)

IPE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C. DOMINANT VALLEY FORM

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IPE - VALLEY FORM NOTES: _____

D. NUMBER OF RIFLES AND POINT BARS

Rifles: **11** Unvegetated point bars: **6**
 Pools: **7** Vegetated point bars: **0**

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.N. DAWSON, IPE, RIVER LABORATORY, EAST STAKE, WARRERAN, 8130 688

1996 RIVER HABITAT SURVEY - DIMENSIONS AND MEASUREMENTS

TALLY (see IPE) for - Riffles **11** Pools **7** Unveg. side bars **6** Veg. point bars **0**

PHYSICAL ATTRIBUTES (tick one box per feature)

Spot check 1 is upstream <input checked="" type="checkbox"/> downstream <input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material (W, M, S, G, L, P, D, C, F, H, G, B, R, L, W)	EA	EA	EA	EA	EA	RR	EA	EA	EA	EA
Bank modification(s) (M, R, D, L, P, C, B, H, G, B, R, L, W)	NO	NO	NO	NO	NO	RI	NO	NO	NO	NO
Bank feature(s) (M, R, D, L, P, C, B, H, G, B, R, L, W)	SC	EC	SC	NO	SC	NO	NO	SC	SC	SC
Channel substrate (W, M, S, G, L, P, D, C, F, H, G, B, R, L, W)	GP	GP	GP	GP	EP	GP	GP	CO	GP	GP
Substrate shape (F, O, B, W, C, U, P, H, D, S, H, G, B, R, L, W)	TR	TR	TR	TR	TR	TR	TR	U	TR	TR
Flow type (F, O, B, W, C, U, P, H, D, S, H, G, B, R, L, W)	SM	UV	CP	NP	SM	SM	UV	UV	SM	SM
Channel modification(s) (M, R, D, L, P, C, B, H, G, B, R, L, W)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (M, R, D, L, P, C, B, H, G, B, R, L, W)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK (W, M, S, G, L, P, D, C, F, H, G, B, R, L, W)	EA	EA	EA	EA	EA	EA	RR	EA	EA	EA
Bank modification(s) (M, R, D, L, P, C, B, H, G, B, R, L, W)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M, R, D, L, P, C, B, H, G, B, R, L, W)	SE	PB	SB	SC	SC	SC	SC	SC	SC	SC

LAND USE WITHIN 5m OF BANKTOP (L)

CP	BR	CP	IK	CP	CP	CP	CP	CP	CP	CP
----	----	----	----	----	----	----	----	----	----	----

LEFT BANK-TOP (structure within 1m) (M, R, D, L, P, C, B, H, G, B, R, L, W)

S	S	S	S	S	S	S	S	S	S	S
---	---	---	---	---	---	---	---	---	---	---

LEFT BANK FACE (structure) (M, R, D, L, P, C, B, H, G, B, R, L, W)

U	B	U	U	U	U	U	U	U	U	U
---	---	---	---	---	---	---	---	---	---	---

RIGHT BANK FACE (structure) (M, R, D, L, P, C, B, H, G, B, R, L, W)

U	U	U	U	U	U	U	U	U	U	U
---	---	---	---	---	---	---	---	---	---	---

RIGHT BANK-TOP (structure within 1m) (M, R, D, L, P, C, B, H, G, B, R, L, W)

S	S	S	S	S	S	S	S	S	S	S
---	---	---	---	---	---	---	---	---	---	---

LAND USE WITHIN 5m OF BANK TOP (R)

CP	CP	CP	CP	CP	CP	CP	CP	CP	CP	CP
----	----	----	----	----	----	----	----	----	----	----

PLANT GENERA - list first 5

NONE PLANT GENERA - list first 5

Bryophytes/lichens	100%									
Emerg broad-leaved herbs										
Emerg sedge/grasses										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

FT UW

SITE NO. 2372

	L	R		L	R
Broadleaved overhead (BL)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rough pasture (RP)		
Coniferous plantation (CP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Improved/semi-improved grass (IG)		
Overhead (OH)			Tilled land (TL)		
Meadow/haugh (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/semi-vegetation (TH)			Suburban/urban development (SU)	<input checked="" type="checkbox"/>	

VEGETATION

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/rearcast	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		
Vertical + toe	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	
Slope (>45)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			Pinch		
			Embedded		
			Set-back embankment		

TREES (tick one box per bank)

None	Left	Right	ASSOCIATED FEATURES - (tick one box per feature)	None	Percent E (> 33%)
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
			Course woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WATERFALLS AND POOLS

Waterfall(s)	None	Percent E	Marginal deadwater	None	Percent E (> 33%)
Cascade(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mainstem island(s)	<input type="checkbox"/>	<input type="checkbox"/>
			Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
			Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

W, M, S, G, L, P, D, C, F, H, G, B, R, L, W

1996 RIVER HABITAT SURVEY - DIMENSIONS AND MEASUREMENTS

LEFT BANK	Banktop width (m)	7.25	RIGHT BANK	
Banktop height (m)	0.75	Water width (m)	7.25	Banktop height (m)
Embanked height (m)	X	Water depth (m)	0.06	Embanked height (m)

If bankline lower than banktop bank in slope, indicate: height (m) = **X** width (m) = **X**

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

WEIR CHARACTERISTICS

None Number of Culverts = _____ Weirs = _____ Outfalls = _____
 Footbridges = _____ Rambridges = _____ Other = _____
 Is water impounded by weir/dam? No Yes, <33% of site >33% of site

EVIDENCE OF WEIR

None Dredging Moving Weed-coring
 Enhancement Other? State: _____

ON-SITE MEASUREMENTS

None	<input checked="" type="checkbox"/>	Artificial open water	<input type="checkbox"/>	Bog	<input type="checkbox"/>	Other (state)	_____
Waterfalls > 5m high	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>	Can	<input type="checkbox"/>		
Brick/side channels	<input type="checkbox"/>	Water meadow	<input type="checkbox"/>	Marsh	<input type="checkbox"/>		
Debris dams	<input type="checkbox"/>	Fen	<input type="checkbox"/>	Flats	<input type="checkbox"/>		

Is 33% or more of the channel choked with vegetation? NO YES

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Name Rhododendron bractea

MAJOR IMPACTS: landfill - clipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - utility - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siltation - other? = _____

Land Management: set-back - buffer strip - headland - abandoned land - pasture - MoD - other? = _____

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: **meadowbank in the middle of the CP. Top of the CP is 1.2m above the water level. The water level is 1.2m above the water level. The water level is 1.2m above the water level.**

S. ALDERS (tick one box per bank)

Alders? None Present Extensive Disjunct Alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION

Table with columns: Attribute (Altitude, Solid geology code, Distance from source, Height of source), Value (Slope, Drift geology code, Significant tributary, Water Quality Class), and Flow category (I-10, Planform category, Navigation).

FIELD SURVEY DETAILS

Reference network site number: 2373
Mid-site grid reference of network site (if different from designated location):

Grid Reference: NN314773 River: TREIG

Date: 6/5/1996 Time: 12.45 Surveyor name: DUMAM Accreditation code: PF27

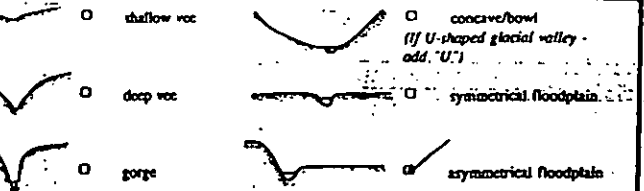
Adverse conditions affecting survey? No [x] Yes [] If yes, state:

Bed of river visible? No [] partially [] entirely [x] (tick one box)

IFE single photograph: general character? No [] Yes [x] (tick one box)
Duplicate will be made by scanning and, as required, special feature? No [] Yes [x] (tick one box)

Site surveyed from: left bank [] right bank [] channel [x] (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box)



Terraced valley floor? No [x] Yes [] IFE - VALLEY FORM NOTES:

NUMBER OF RIFLES, POOLS AND POINT BARS (tick one box)

Rifles: 0 Unvegetated point bars: 0
Pools: 1 Vegetated point bars: 0

COMPLETED FORMS WEEKLY plus all water samples and expense claims TO F. N. DAWSON, IFE, RIVER LABORATORY, EAST STOCK, WARRERAN, BN20 608

PHYSICAL ATTRIBUTES (to be assessed across channel within a 10m wide transect) - one only only

Table for physical attributes with columns for Spot check 1-10 and rows for Left Bank and Right Bank material, bank modification, and bank failure.

CHANNEL CHARACTERISTICS (to be assessed across channel within a 10m wide transect)

Table for channel characteristics with columns for Spot check 1-10 and rows for channel substrate, substrate shape, and bank face.

BANKTOP, LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Table for banktop, land use, and vegetation structure with columns for Land use and vegetation codes and rows for Land use within 5m, Left bank face, Right bank face, and Land use within 5m of bank top.

CHANGES IN VEGETATION (to be assessed across channel within a 10m wide transect)

Table for changes in vegetation with columns for plant genera codes and rows for Bryophytes/lichens, emergent broad-leaved herbs, emergent reeds/sedges/rushes, floating-leaved, free-floating, amphibians, submerged broad-leaved, submerged fine-leaved, and filamentous algae.

Form for habitat survey with sections for vegetation characteristics, trees, and associated features. Includes diagrams of channel bank types and a list of associated features like shading of channel and overhanging boughs.

Form for river habitat survey dimensions and measurements. Includes sections for left and right bank measurements, channel characteristics, and physical attributes. Includes a section for channel vegetation and a list of species.

1996 RIVER HABITAT SURVEY FORM (IP) - Grids for plant genera and fencing. Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation? NO
 Height of source (m) Water Quality Class

B. SURVEY DETAILS

Reference network site number: 2374
 Mid-site grid reference of network site if different from designated location:

Grid Reference: NN445710 River: ALLT CAM
 Date: 7.15.1996 Time: 15:28 Surveyor name: DUNNAN Accreditation code: PF27
 Adverse conditions affecting survey? No Yes If yes, state:

Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

C. DOMINANT VALLEY FORM

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFLES AND POOLS

Rifles: 8 Unvegetated point bars: 2
 Pools: 0 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.R. DAWSON, IFE, RIVER LABORATORY, EAST STOLE, WARRERAN, BR20 688

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see IP) for: Riffles III Pools (Unveg side bars) Veg point bars

E. PHYSICAL ATTRIBUTES

Spot check 1 is upstream downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material	EA	EA	CO	EA	EA	EA	BO	EA	BO	BO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	PO	SB	EC	NO	NO	NO	NO	SB	NO	NO
Channel substrate	BO	CO	BO	BO	BO	BO	BO	BO	BO	BO
Substrate shape	IR	OV	OV	OV	IR	IR	IR	IR	IR	IR
Flow type	UW	RP	RP	UW	UW	RP	UW	UW	RP	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	RO	RO	NO	RO	RO	RO	RO	RO	RO	NO
RIGHT BANK										
Material	BO	EA	EA	EA	EA	EA	GS	BO	BO	BO
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	SB	PB	NO	NO	SB	SB	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE

Land use: choose one from BL, CF, DR, MR, SC, TH, SP, AG, FL, ML, OH, BU

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RP	RP	RP	RH	MH	MH	MH	MH
LEFT BANK TOP (structure within 1m)	U	U	S	U	U	S	S	S	S	S
LEFT BANK FACE (structure)	U	U	B	U	U	B	S	U	S	B
RIGHT BANK TOP (structure within 1m)	S	S	B	U	U	S	S	S	B	B
RIGHT BANK FACE (structure)	S	S	B	U	U	U	U	U	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	MH	MH	RP	RP	RP	RP	RP	RP	MH	MH

G. CHANNEL VEGETATION

NONE / PLANT GENERA - list first 5

Bryophytes/lichens									
Emergent broad-leaved herbs									
Emergent narrow-leaved herbs									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerged fine-linear leaved									
Filamentous algae	E	F	E	E	E	E	E	E	E

SITE NO. 2374

	L	R		L	R
Woodland/scrubland (WL)			Rough pasture (RP)	E	E
Coastal plantation (CP)			Improved/maintained grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)	E	E	Wetland (eg bog, marsh, fen) (WL)		V
Scrub (SC)			Open water (OW)		
Tall herbs and sedges (TH)			Suburban/urban development (SU)		

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/erosion	E	E	Reinforced		
Vertical + toe		V	Reinforced - whole bank		
Slope (>45°)		V	Reinforced - top only		
Gentle			Reinforced - toe only		
Composite			Artificial two-stage		
			Propped		
			Embedded		
			Set-back embankment		

H. TREES (tick one box per bank)

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)
None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shading of channel
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots
Scam/continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris

	None	Present E	Percent E (±33%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Caution(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapids(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffles(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Runs(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boils(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chills(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pools(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Riffle - chute

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCE

A. CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	8.20	RIGHT BANK
Banktop height (m)	0.8	Water width (m)	8.00
Banktop height (m)		Water depth (m)	0.60
Banktop height (m)		Banktop height (m)	0.75
Banktop height (m)		Banktop height (m)	

If bankline lower than banktop break in slope, indicate: height (m) = X width (m) = X

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

B. CHANNEL INFLUENCE

None Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 Is water impounded by weirs/dams? No Yes, <33% of site >33% of site

C. INFLUENCE OF ADJACENT MARGINALS

None Dredging Mowing Weed-cutting
 Enhancement Other? State:

D. FEATURES OF SPECIAL INTEREST

None
 Waterfalls > 5m high Artificial open water Bog Other (state)
 Bricks/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Pits Flush

E. CHANNEL CHANNEL

Is 33% or more of the channel choked with vegetation? NO YES

F. CHANNEL CHANNEL

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? (Notic Rhododendron bracteata)

G. ADVERSE FACTORS

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - soil - dam - riped - rail industry - housing - mining - quarrying - overstepping - afforestation - fisheries management - silting - other? =

Land Management: set-back - buffer strip - headland - abandoned land - partitioned - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Willow trees with narrow riparian zone. Isolated site.

H. ALDERS (tick appropriate box(es))

Alders' None Present Extensive Disjunct Alders? None Present Extensive

1996 RIVER HABITAT SURVEY WITH 100' grid for plant covers and fishing Page 1 of 4

BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow Category (1-10)
 Solid geology code Drift geology code Platform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 2384

Mid-site grid reference of network site if different from designated location:

Grid Reference: NM477675 River: All Umanh Au MUTE

Date 6.15.1996 Time: 12:00 Surveyor name: J.L. Accreditation code: PF43


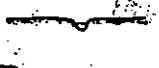
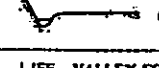
Adverse conditions affecting survey? No Yes If yes, state:

Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box only)

shallow vcc  concave/bowl (if U-shaped glacial valley - add "U")
 deep vcc  symmetrical floodplain
 gorge  asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)

Rifles 9 Unvegetated point bars 3
 Pools 1 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and exposure claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, B420 6BB

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (use JHS) for: Riffles Pools Unveg. bed bars Veg. point bars

SPOT CHECK 1: riffles downcurrent

	1	2	3	4	5	6	7	8	9	10
Material ^(FA, SE, EA, SR, CE, EA, RA, RW, CO, EA)	FA	SE	EA	SR	CE	EA	RA	RW	CO	EA
Bank modification(s) ^(NO, NG, RE, NO, NO, NO, NO, NO, NO)	NO	NO	NG	RE	NO	NO	NO	NO	NO	NO
Bank feature(s) ^(NG, NO, NG, NO, NO, NO, SO, SB, NO, SO)	NO	NO	NG	NO	NO	NO	SO	SB	NO	SO
Channel substrate ^(GP, SR, CO, GP, CO, GP, GP, OS, CO, NO)	GP	SR	CO	GP	CO	GP	GP	OS	CO	NO
Substrate shape ^(SR, IL, RL, RL, RL, RL, RL, RL, RL, RL)	SR	IL	RL	RL	RL	RL	RL	RL	RL	RL
Flow type ^(RP, UW, RP, RP, RP, RP, RP, RP, RP, RP)	RP	UW	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification(s) ^(NO, NG, RE, 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 - TICK IF featured focus

	FA	CS	CO	ER	BE	EA	ES	BS	ES	ES	ES
Material ^(FA, CS, CO, ER, BE, EA, ES, BS, ES, ES, ES)	FA	CS	CO	ER	BE	EA	ES	BS	ES	ES	ES
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, SO, NO, SB, NO, SB, NO, SB, NO)	NO	SO	NO	SB	NO	SB	NO	SB	NO	SB	NO

R-BANK TOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from RL, CP, OR, NR, SC, TH, RP, RC, FL, RL, OR, RW

LAND USE WITHIN 5m OF BANKTOP (L)	MH	MH	MH	SO	MH	MH	MH	MH	MH	MH
LEFT BANK TOP (structure within 1m) ^(B, S, C, B, U, U, U, U, U, U)	U	B	S	B	U	U	U	U	U	U
LEFT BANK FACE (structure) ^(B, S, C, B, U, U, U, U, U, U)	B	S	C	B	U	U	U	U	U	U
RIGHT BANK FACE (structure) ^(B, S, C, B, U, U, U, U, U, U)	U	U	U	B	U	U	U	B	B	B
RIGHT BANK TOP (structure within 1m) ^(B, S, C, B, U, U, U, U, U, U)	U	U	U	B	U	U	U	B	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	MH	MH	MH	SO	MH	MH	MH	MH	MH	MH

PLANT GENERA - list first 5

PLANT GENERA	1	2	3	4	5
None					
Bryophytes/lichens		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs					
Emerg reeds/sedges/rushes					
Floating-leaved (rooted)					
Free-floating					
Amphibious					
Submerged broad-leaved					
Submersy fine-leaved					
Filamentous algae	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

NO. 2384

	L	R		L	R
I confined woodland (WL)			Rough pasture (RP)		
C row plantation (CP)			Improved/improved grass (IG)		
O orchard (OR)			Tilled land (TL)		
V orchard (OV)	E	E	Wetland (eg bog, marsh, fen) (WL)		
S open water (OW)			Open water (OW)		
T other land use (TL)			Suburban/urban development (SU)		

ARTIFICIAL STRUCTURES

	L	R	Artificial/modified	L	R
N Unmodified					
V Reinforced	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced		
Reinforced - whole bank				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reinforced - top only				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reinforced - toe only				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Artificial two-stage				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Poached				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Embanked				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Set-back embankments				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

TILES (tick one box per bank)

	Left	Right	ASSOCIATED FEATURES (tick one box per feature)	None	Present E (2.11%)
None	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Shading of channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Inclined/terrace	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Overhanging banks	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional change	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WATERBODIES (tick one box per bank)

	None	Present E (2.11%)		None	Present E (2.11%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Cascade(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Lap(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Lift(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Lam(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Ohole(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

predominant flow sequence (select up to three features): Rip d R Mc Run

1996 RIVER HABITAT SURVEY: DIMENSIONS AND INFLUENCES

LEFT BANK

	Banktop width (m)	2.5	RIGHT BANK	
Banktop height (m)	0.5		Water width (m)	2.5
Banktop height (m)			Banktop height (m)	0.5
Embarked height (m)			Water depth (m)	0.1
Embarked height (m)			Embarked height (m)	

If embankment lower than banktop level in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

ARTIFICIAL STRUCTURES

None Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Railbridges = 2 Other =

Is water impounded by weirs/dams? No Yes, < 33% of site > 33% of site

INCIDENCE OF VEGETATION CHOKING (tick one box)

None Dredging Mowing Wood-cutting
 Enhancement Other? State:

VEGETATION CHOKING (tick one box)

None Waterfalls > 5m high Artificial open water Bog Other (state) Spring
 Brakes/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Pea Flush

Is 33% or more of the channel choked with vegetation? NO YES

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? *Melaleuca, Rhododendron brachy*

Major impacts: landfill - tipping - Eiter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - siltation - other? =

Lead Management: set-back - buffer strip - headland - abandoned land - partland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - wood martin - heron - dragonflies/damselflies

Other significant observations:
 Small stream through wetland MH, ...
 small stream through wetland MH, ...

WATERBODIES (tick appropriate box(es))

Alders: None Present Extensive Disposed Alders: None Present Extensive

1996 RIVER HABITAT SURVEY (with riparian plant genera and fencing) Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

B. FIELD SURVEY DETAILS

Reference network site number: 2390
 Mid-site grid reference of network site if different from designated location:

Grid Reference: NMSE3650 River: Allt Choire Mhuilinn
 Date: 6.15.1996 Time: 12:30 Surveyor name: JSL Accreditation code: PF43

Adverse conditions affecting survey? No Yes If yes, state:

Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box)

shallow vee concave/bowl (if U-shaped glacial valley, add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFLES, POOLS AND POINT BARS (indicate total number)

Rifles: 5 Unvegetated point bars: 3
 Pools: 1 Vegetated point bars: 1

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STOKES, WAREHAM, BH20 6BB

1996 RIVER HABITAT SURVEY (WITH SPOT CHECKS) Page 2 of 4

TALLY (see p.1) for - Riffles Pools Unveg. side bars Veg point bars

B. PHYSICAL ATTRIBUTES (to be assessed across channel width at 1m wide transects) (1 = one entry only)

Spot check 1 in upstream downstream

LEFT BANK (structure)	BE	ED	EE	EO	EA	GE	SE	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 (structure)	BE	ED	EE	EO	EA	GE	SE	EA	EA	EA
Channel substrate	BE	ED	EE	EO	EA	GE	SE	EA	EA	EA
Substrate shape	NA	TR	EA	TR	FL	NA	NA	TR	TR	TR
Flow type	RP	RP	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	NO	NO	NO	NO	NO	NO
RIGHT BANK (structure)	BE	ED	EE	EO	EA	GE	SE	EA	EA	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

E. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from BE, CF, OR, MH, SC, TR, RP, SG, FL, WE, OW, ST

LAND USE WITHIN 5m OF BANKTOP (L)	TS	TS	TC	TC	TC	TC	TC	TC	TC	TC
LEFT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	U	U	U	U	U	U	U	U	U
RIGHT BANK-TOP (structure within 1m)	U	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	TS	TS	TC	TC	TC	TC	TC	TC	TC	TC

F. PLANT GENERA - list first 5

None Bryophytes/lichens
 Emerg broad-leaved herbs
 Emerg reeds/sedges/rushes
 Floating-leaved (rooted)
 Free-floating
 Amphibious
 Submerged broad-leaved
 Submersy float/linear-leaved
 Filamentous algae

SITE NO. 2390

Broadleaved woodland (BL)			Rough pasture (RP)		
Coniferous plantation (CP)			Improved/semi-improved grass (IG)	E	E
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/semi-vegetation (TH)			Suburban/urban development (SU)		

Natural/unmodified L R Artificial/modified L R

Vertical/undrained E E Reinforced

Vertical + toe Reinforced - whole bank

Steep (>45°) Reinforced - top only

Gentle Reinforced - toe only

Composite Artificial two-stage

Poached
 Embanked
 Set-back embankment

TREES (tick one box per bank)

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	None	Percent E (≥33%)
Isolated/scattered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scrub/continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Coarse woody debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

Waterfall(s)	None	Percent E	Marginal deadwater	None	Percent E (≥33%)
Caecodon(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Run(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Osile(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): Rapid Run Glide

VEGETATION DIMENSIONS AND INFLUENCES

LEFT BANK	Banktop width (m)	4-5	RIGHT BANK	
Banktop height (m)	Water width (m)	4-0	Banktop height (m)	0-30
Embanked height (m)	Water depth (m)	0-15	Embanked height (m)	

If banktop lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: unconsolidated (compact) unconsolidated (loose) Chalkstone

Location of measurement is: riffle run or glide other (tick one box)

None Number of: Culverts = Weirs = Footbridges = Outfalls = Fords =
 Is water impounded by weir(s)? No Yes, <33% of site >33% of site

None Dredging Moving Weed-cutting
 Embankment Other / State

None Artificial open water Bog Other (state)
 Stream/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Lively debris Fun Flush

Is 33% or more of the channel choked with vegetation? NO YES

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? *Natica Rhododendron brachia*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - alding - other? =
 Land Management: set-back - buffer strip/landfill - abandoned land - purchased - MoD - other? =
 Shop grazing

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations:
 Extensive Algae, etc. in just below a cattle farm

S. ALDERS: (not appropriate here)

Alders? None Present Extensive Damaged Alders? None Present Extensive

1996 RIVER HABITAT SURVEY (with 1996 data for all years and features) Page 1 of 4

A BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

B FIELD SURVEY DETAILS

Reference network site number: 2392
 Mid-site grid reference of network site if different from designated location:

Grid Reference: Nr 70687 River: R. Polloch
 Date 2.5.1996 Time: 14.30 Surveyor name JPL Accreditation code PR47

Adverse conditions affecting survey? No Yes If yes, state:

Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C PREDOMINANT VALLEY FORM

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D NUMBER OF RIFLES, POOLS AND POINT BARS

Rifles 2 Unvegetated point bars 2
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO
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1996 RIVER HABITAT SURVEY DIMENSIONS AND INDEXTS Page 2 of 4

TALLY (see IFE) for: Riffles Pools Unveg side bars Veg point bars

E PHYSICAL ATTRIBUTES

Spot check 1 is upstream downstream

	1	2	3	4	5	6	7	8	9	10
LEFT BANK: CHANNEL (structure within 1m)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
LEFT BANK FACE (structure)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK FACE (structure)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK TOP (structure within 1m)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
LAND USE WITHIN 5m OF BANK TOP (L)	U	U	U	U	U	U	U	U	U	U
LEFT BANK TOP (structure within 1m)	MUSC	B	U	U	B	U	U	S	U	S
LEFT BANK FACE (structure)	MUSC	B	U	U	B	U	U	S	S	S
RIGHT BANK FACE (structure)	MUSC	U	U	B	B	U	U	S	S	U
RIGHT BANK TOP (structure within 1m)	MUSC	U	U	U	S	S	U	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	U	U	U	U	U	U	U	U	U	U

F BANKTOP LAND USE AND VEGETATION STRUCTURE (for the assessed area < 10m wide transect)

Land use: choose one from BL, CF, OR, NH, SC, TL, RP, RL, ML, OW, SU

	U	U	U	U	U	U	U	U	U	U
LEFT BANK TOP (structure within 1m)	MUSC	B	U	U	B	U	U	S	U	S
LEFT BANK FACE (structure)	MUSC	B	U	U	B	U	U	S	S	S
RIGHT BANK FACE (structure)	MUSC	U	U	B	B	U	U	S	S	U
RIGHT BANK TOP (structure within 1m)	MUSC	U	U	U	S	S	U	S	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	U	U	U	U	U	U	U	U	U	U

G PLANT GENERA - list first 5

NONE / PLANT GENERA - list first 5

None										
Hydrophytes/tichens										
Emerg broad-leaved herbs										
Emerg reeds/sedges/rushes										
Floating-leaved (rooted)										
Fern-floating										
Amphibians										
Submerged broad-leaved										
Submersy float-leaved										
Filamentous algae										

SITE NO. 1392

HABITAT SURVEY

	L	R		L	R
Broadleaved woodland (BL)		E	Rough pasture (RP)		
Coniferous plantation (CP)		V	Improved/seed-improved grass (IG)		
Orchard (OR)			Tiled land (TL)		
Moorland/heath (MH)	E	E	Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TR)			Suburban/urban development (SU)		

C CHANNEL DIMENSIONS

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/embankment	L	E	Reinforced		
Vertical + toe		V	Reinforced - whole bank		
Steep (>45°)		E	Reinforced - top only		
Grass			Reinforced - toe only		
Composite			Artificial two-stage		
			Paunched		
			Embankment		
			Set-back embankments		

D CHANNEL VEGETATION

TREES (tick one box per bed)

None	Left	Right	ASSOCIATED FEATURES (tick one box per feature)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel <input type="checkbox"/> None Present E (2.33%) <input checked="" type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging banks <input checked="" type="checkbox"/> <input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots <input checked="" type="checkbox"/> <input type="checkbox"/>
Occasional clumps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots <input checked="" type="checkbox"/> <input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fallen trees <input checked="" type="checkbox"/> <input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris <input checked="" type="checkbox"/> <input type="checkbox"/>

E CHANNEL VEGETATION

Waterfall(s)	None	Present E	Marginal deadwater	None	Present E (2.33%)
Caecide(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rapid(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Riffle(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Run(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Boil(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Old(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features):

1996 RIVER HABITAT SURVEY DIMENSIONS AND INDEXTS

HABITAT SURVEY

C CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	2.8	RIGHT BANK	
Banktop height (m)	0.45	Water width (m)	2.8	Banktop height (m)
Embankment height (m)		Water depth (m)	0.25	Embankment height (m)

If embankment lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

D CHANNEL VEGETATION

None Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Railbridges = Other =
 Is water impounded by weirs/dams? No Yes, <33% of site >33% of site

E CHANNEL VEGETATION

None Dredging Mowing Weed-cutting
 Enhancement Other? State:

F CHANNEL VEGETATION

None Waterfalls > 5m high Artificial open water Bog Other (state)
 Bridge/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Fens Flush

G CHANNEL VEGETATION

Is 33% or more of the channel choked with vegetation? NO YES

H CHANNEL VEGETATION

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? . Nettle Rhododendron bracken

I CHANNEL VEGETATION

Major impacts: landfill - tipping - litter - sewage - pollution - drought - abstraction - mill - dam - road - rail - industry - housing - mining - quarrying - overdevelopment - afforestation - fisheries management - silting - other? =

Lead Management: set-aside - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - dipper - grey wagtail - mud snail - heron - dragonfly/damselfly

Other significant observations:

J ALDERS (tick appropriate box(es))

Alders? None Present Exclusive Choked Alders? None Present Extensive

BACKGROUND INFORMATION

Altitude(m) Slope (m/m) Flow category (1-10)
 Solid geology code Drift geology code Platform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 2391
 Mid-site grid reference of network site (if different from designated location):

Grid Reference: AM830631 River: R. Stourton
 Date: 7.1.1996 Time: 13:00 Surveyor name: JSL Accreditation code: PF43

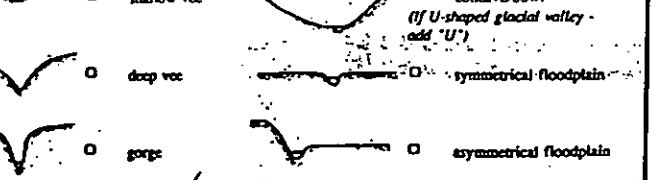
Adverse conditions affecting survey? No Yes If yes, state:

Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning), and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

PREDOMINANT VALLEY FORM (tick one box)



Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

Riffles Unvegetated point bars
 Pools Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 P. H. DAWSON, IFE, RIVER LABORATORY, EAST STOK, WAREHAM, SP20 4BB

VEGETATION ATTRIBUTES

Spot check (1 = upstream, 10 = downstream)	1	2	3	4	5	6	7	8	9	10
Material (W, M, O, G, S, P, L, C, F, B, D, R, N, J)	EA	EA	EA	EA	GS	GS	GS	GS	RD	EA
Bank modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s)	NO	NO	NO	SD	NO	NO	NO	NO	NO	NO
Channel substrate (W, M, O, G, S, P, L, C, F, B, D, R, N, J)	GP	GP	GP	GP	GP	GP	GP	GP	RD	GS
Substrate shape (F, O, E, B, C, U, P, O, R, L, O, B, A, S, E, S, H, A, P, E)	EL	UN	UN	UN	UN	UN	UN	UN	UN	UN
Flow type (F, O, E, B, C, U, P, O, R, L, O, B, A, S, E, S, H, A, P, E)	SA	SM	SM	SM	SM	UN	UN	SM	SM	RP
Channel modification(s)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s)	NO	RD	NO	RD	NO	NO	NO	NO	RD	RD

DOMINANT LAND USE AND VEGETATION STRUCTURE (to be assessed every 10m wide transect)

Land use: choose one from M, C, O, H, R, B, F, P, S, L, R, U, V, W

LAND USE WITHIN 5m OF BANKTOP (L)	RP	RP	RM	MM	RM	PF	SC	CL	CL	MM
LEFT BANK TOP (structure within 1m) BOSC	U	U	U	U	B	S	S	S	S	U
LEFT BANK FACE (structure) BOSC	U	U	U	U	B	B	U	U	U	S
RIGHT BANK FACE (structure) BOSC	U	U	U	B	B	B	U	U	U	U
RIGHT BANK TOP (structure within 1m) BOSC	U	U	U	U	B	S	S	S	S	U
LAND USE WITHIN 5m OF BANK TOP (O)	MH	MH	MM	RP	RP	MM	MH	MH	MH	MH

PLANT GENERA - list first 5

PLANT GENERA	1	2	3	4	5
None					
Bryophytes/lichens					
Emergent broad-leaved herbs					
Emergent needle-leaved/strawberries					
Floating-leaved (rooted)					
Free-floating					
Amphibious					
Submerged broad-leaved					
Submerged fine-leaved					
Filamentous algae					

VEGETATION SURVEY FORM

Code	L	R	Code	L	R
B			Enough pasture (EP)		
C			Improved/semi-improved grass (IG)		
D			Tiled land (TL)		
E			Wetland (eg bog, marsh, fen) (WL)		
F			Open water (OW)		
G			Suburban/urban development (SU)		
H			Artificial/modified		
I			Reinforced - whole bank		
J			Reinforced - top only		
K			Reinforced - toe only		
L			Artificial bank		
M			Punctured		
N			Embanked		
O			Set-back embankments		

TREES (tick one box per bank)

Tree Type	Left	Right	Associated Features	None	Percent E (± 11%)
None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Inclined/overhanging	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging branches	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Scal/continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Confusion	<input type="checkbox"/>	<input type="checkbox"/>	Course woody debris	<input type="checkbox"/>	<input type="checkbox"/>

Feature	None	Percent E	Feature	None	Percent E (± 11%)
Waterfall(s)	<input type="checkbox"/>	<input type="checkbox"/>	Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>
Canal(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>
Lap(s)	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>
Uff(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
U(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
S(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mudbars island(s)	<input type="checkbox"/>	<input type="checkbox"/>
O(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>
U(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>

Ind: predominant flow sequence (select up to three features): R.M. slide

RIVER CHANNEL SURVEY FORM DIMENSIONS AND INFLUENCES

LEFT BANK	Banktop width (m)	14	RIGHT BANK
Banktop height (m)	0.4	Water width (m)	17
Banktop height (m)	0.4	Water depth (m)	0.2
Banktop height (m)	0.4	Banktop height (m)	0.4

If waterline lower than banktop break in slope, indicate: height (m) = / width (m) = /

Bed material at site is: accreted (compact) unconsolidated (loose) Chalkstone

Location of measurement is: riffle run or glide other (tick one box)

EVIDENCE OF RECENT MANIPULATION

None	Dredging	Mowing	Wood cutting
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OTHER TYPES OF OBSTRUCTIONS

None	Artificial open water	Bog	Other (state)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Is 11% or more of the channel channel with vegetation? NO YES

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? (state)

MAJOR IMPACTS

Major impacts: bankfill - clipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - silting - other =

Land Management: set aside - buffer strip - landfill - abandoned land - parkland - MoD - other =

Animals: otter - mink - water vole - kingfisher - eel - grey wagtail - sand martin - heron - dragonflies/damselflies

Other significant observations: 20m canopy over debris in glacial valley. Good water. 10m wide barless, such shall water side.

5 ALDERS (tick appropriate box(es))

Abund? None Present Extensive Discard Alders? None Present Extensive

1996 RIVER HABITAT SURVEY with IFE mods for plant genera and faunas Page 1 of 4

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Platform category
 Distance from source (km) Significant tributary? Navigation? NO
 Height of source (m) Water Quality Class

B. FIELD SURVEY DETAILS

Reference network site number: 2395
 Mid-site grid reference of network site if different from designated location:

Grid Reference: NNO30629 River: ABYNNIN RIGH
 Date: 6.15.1996 Time: 16:43 Surveyor name: DUNKAN Accreditation code: PF27
 Adverse conditions affecting survey? No Yes If yes, state:
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning) and, as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

C. PREDOMINANT VALLEY FORM (tick one box only)

shallow vee concave/bowl (if U-shaped glacial valley, add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (indicate both banks)

Riffles 10 Unvegetated point bars 2
 Pools 3 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO
 F. H. DAWSON, IFE, RIVER LABORATORY, EAST STAKE, WAREHAM, BH20 6BS

1996 RIVER HABITAT SURVEY: TEN SPOT CHECKS Page 2 of 4

TALLY (see IFE) for Riffles Pools Unveg side bars Veg point bars

II. PHYSICAL ATTRIBUTES (to be assessed across channel within 1m wide transect) - in non-gully only

Spot check 1 - upstream downstream

LEFT BANK	1	2	3	4	5	6	7	8	9	10
Material (W, M, CO, CL, SL, PL, CL, CL, W, CL, M, PL, SP)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M, NO, M, PL, CL, M, EN)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M, NO, CL, CL, PL, PL, PL, PL)	PS	SB	SC	EL	EL	NO	SC	SC	SB	SB
Channel substrate (W, M, NO, CO, CL, PL, CL, CL, W, CL, M, PL, SP)	GP	GP	GP	GP	GP	BO	BO	BO	BO	BO
Substrate shape (FL, OV, EL, PL, CL, PL, CL, CL, W, CL, M, PL, SP)	EL	OV	OV	OV	OV	TR	TR	TR	TR	TR
Flow type (FF, CH, UN, UN, CL, PL, PL, PL, PL, PL, PL)	RP	UN	UN	UN	UN	SM	SM	SM	SM	SM
Channel modification(s) (M, NO, M, PL, CL, M, EN)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) (M, NO, M, PL, CL, M, EN)	NO	NO	MT	NO	NO	TR	NO	NO	NO	NO

RIGHT BANK TICK (if appropriate)

Material (W, M, NO, CO, CL, PL, CL, CL, W, CL, M, PL, SP)	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
Bank modification(s) (M, NO, M, PL, CL, M, EN)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) (M, NO, CL, CL, PL, PL, PL, PL)	EL	SC	PS	NO	SC	NO	NO	NO	NO	NO

F. BANKTOP LAND USE AND VEGETATION STRUCTURE (to be assessed over a 10m wide transect)

Land use: choose one from (L, C, O, M, H, S, D, P, G, R, W, O, D)

LAND USE WITHIN 5m OF BANKTOP (L)	L	L	L	L	L	L	L	L	L	L
LEFT BANK-TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S
LEFT BANK FACE (structure) BAUSC	S	S	S	B	B	S	S	S	S	B
RIGHT BANK FACE (structure) BAUSC	B	S	L	S	S	S	S	S	S	S
RIGHT BANK-TOP (structure within 1m) BAUSC	S	S	S	S	S	S	S	S	S	S

G. CHANNEL VEGETATION (to be assessed over a 10m wide transect)

NONE / PLANT GENERA - list first 5

Bryophytes/lichens	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Emerg broad-leaved herbs									<input checked="" type="checkbox"/>
Emerg reeds/sedges/rushes									
Floating-leaved (rooted)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submerg fine/linear-leaved									
Filamentous algae									

SITE NO. 2395

	L	R		L	R
Broadleaf/mailed woodland (BL)	E	E	Rough pasture (RP)		
Coniferous plantation (CT)			Improved/mast-improved grass (GI)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)			Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herbs' meadow vegetation (TH)			Suburban/urban development (SU)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

II. CHANNEL VEGETATION

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undisturbed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Recessional		
Vertical + bar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - whole bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Slope (>45°)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - top only		
Gentle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Reinforced - toe only		
Composite			Artificial low-embankment		
			Poached		
			Embanked		
			Set-back embankment		

III. TREES (tick one box per bank)

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/occasional	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Underwater tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Semi-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallic trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Causes woody debris	<input type="checkbox"/>	<input type="checkbox"/>

IV. ASSOCIATED FEATURES (tick one box per feature)

None	<input type="checkbox"/>	Present 5 (2.11%)	None	<input type="checkbox"/>	Present 5 (2.11%)
Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bedrock	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	Exposed boulders	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>			

Indicate predominant flow sequence (select up to three features): riffle - Run

1996 RIVER HABITAT SURVEY: CHANNEL DIMENSIONS AND INFLUENCES Page 3 of 4

II. CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	10.00	RIGHT BANK	
Banktop height (m)	Water width (m)	8.50	Banktop height (m)	1.00
Embankment height (m)	Water depth (m)	0.15	Embankment height (m)	<input checked="" type="checkbox"/>

If bankline lower than banktop level in slope, indicate: height (m) = width (m) =

Bed material at site is: consolidated (compact) unconsolidated (loose) unknown

Location of measurement is: riffle run or glide other (tick one box)

III. STRUCTURAL FEATURES

None Number of Culverts = Weirs = Outfalls = Foots =
 Footbridges = Roadbridges = Other =
 Is water impounded by weir/dam? No Yes, <33% of site >33% of site

IV. EVIDENCE OF RECENT CHANNEL CHANGE

None Dredging Mowing Weed-cutting
 Embankment Other? State: _____

V. FEATURES OF SPECIAL INTEREST

None Waterfalls > 5m high Artificial open water Bog Other (state) _____
 Braided/side channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Pea Fresh

VI. CHOKED CHANNELS

Is 33% or more of the channel choked with vegetation? NO YES

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Nettle Rhododendron bracken

VII. MAJOR IMPACTS

Major impacts: landfill - tipping - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overgrazing - afforestation - fisheries management - siltation - other? =

Land Management: set-back - buffer strip - headland - abandoned bar - parkland - MoD - other? =

Animals: otter - mink - water vole - kingfisher - slipper - grey wagtail - sand martin - heron - dragonfly/damselfly

Other significant observations: Hazel lined River Bits of Carr in upper sections (in the Carr)

VIII. ALDERS (tick appropriate box(es))

Alders? None Present Extensive Discarded Alders? None Present Extensive

BACKGROUND MAP-BASED INFORMATION

Altitude (m) Slope (m/km) Flow category (1-10)
 Solid geology code Drift geology code Planform category
 Distance from source (km) Significant tributary? Navigation?
 Height of source (m) Water Quality Class

FIELD SURVEY DETAILS

Reference network site number: 2397
 Mid-site grid reference of network site if different from designated location:

Grid Reference: Mt 203810 River: R. Leven
 Date: 8/15/1996 Time: 12:10 Surveyor name: J.J.L. Accreditation code: PF93

Adverse conditions affecting survey? No Yes If yes, state:

Bed of river visible? No partially entirely (tick one box)

IFE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special feature? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

DOMINANT VALLEY FORM

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

D. NUMBER OF RIFFLES, POOLS AND POINT BARS (Indicate total number)

Riffles: 1 Uegetated point bars: 0
 Pools: 0 Vegetated point bars: 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F.H. DAWSON, IFE, RIVER LABORATORY, EAST STOKE, WAREHAM, BH20 6BB

99% RIVER HABITAT SURVEY SPOT CHECKS Page 2 of 4

TALLY (see IFE) for - Riffles Pools Ueveg. side bars Veg point bars

PHYSICAL ATTRIBUTES (to be assessed across channel within a 1m wide transect)

Spot check 1 is: upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
Material <i>W, M, S, C, G, L, P, D, O, S, F, B, H, B, U, V</i>	OB	CE	CF	SE	SE	GE	SE	GE	SE	GE
Bank modification(s) <i>M, N, O, R, P, C, M, B, H</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <i>M, N, O, R, P, C, M, B, H</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

CHANNEL CHARACTERISTICS

Channel substrate <i>W, M, S, C, G, L, P, D, O, S, F, B, H, B, U, V</i>	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Substrate shape <i>F, O, V, E, L, P, C, U, P, O, R, L, O, B, A, N, U, V</i>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Flow type <i>F, O, V, E, L, P, C, U, P, O, R, L, O, B, A, N, U, V</i>	Rp	SM	CH	SW	LI	RP	EM	SM	LI	RP
Channel modification(s) <i>M, N, O, R, P, C, M, B, H</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <i>M, N, O, R, P, C, M, B, H</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

RIGHT BANK - STRUCTURE

Material <i>W, M, S, C, G, L, P, D, O, S, F, B, H, B, U, V</i>	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s) <i>M, N, O, R, P, C, M, B, H</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <i>M, N, O, R, P, C, M, B, H</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LEFT BANK - STRUCTURE

Material <i>W, M, S, C, G, L, P, D, O, S, F, B, H, B, U, V</i>	BE	BE	BE	BE	BE	BE	BE	BE	BE	BE
Bank modification(s) <i>M, N, O, R, P, C, M, B, H</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <i>M, N, O, R, P, C, M, B, H</i>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE WITHIN 5m OF BANKTOP (L)

LAND USE WITHIN 5m OF BANKTOP (L)	MM	MM	BL	BL	BL	BL	BL	BL	BL	BL
LEFT BANK-TOP (structure within 1m) <i>B, O, U, V, S</i>	B	B	B	B	U	U	B	B	B	S
LEFT BANK FACE (structure) <i>B, O, U, V, S</i>	B	B	B	B	U	U	B	B	B	S
RIGHT BANK FACE (structure) <i>B, O, U, V, S</i>	B	B	B	B	B	B	B	B	B	B
RIGHT BANK-TOP (structure within 1m) <i>B, O, U, V, S</i>	S	B	B	B	U	U	B	B	S	S
LAND USE WITHIN 5m OF BANK TOP (R)	BL	BL	BL	BL	MM	MM	MM	MM	BL	BL

PLANT GENERA - list first 5

NONE	/	PLANT GENERA - list first 5								
Bryophytes/lichens										
Emerg broad-leaved herbs										
Emerg mud/sedge/rushes										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Filamentous algae										

NO. 2.3.97

	L	R		L	R
Unimproved woodland (UW)	E	E	Rough pasture (RP)		
Tree plantation (TP)			Improved/local improved grass (IG)		
Orchard (OR)			Tilled land (TL)		
Moorland/heath (MH)	E	E	Wetland (eg bog, marsh, fen) (WE)		
Open water (OW)			Open water (OW)		
Urban/semi-urban vegetation (USV)			Suburban/urban development (SU)		

ARTIFICIAL/REINFORCED CHANNELS

	L	R	Artificial/modified	L	R
Unmodified			Reinforced		
Reinforced - whole bank			Reinforced - top only		
Reinforced - toe only			Artificial low-slope		
Artificial low-slope			Embanked		
Embanked			Set-back embankments		

TREES (tick one box per bank)

None	<input type="checkbox"/>	<input type="checkbox"/>	Shading of channel	<input type="checkbox"/>	<input type="checkbox"/>
Isolated/scattered	<input type="checkbox"/>	<input type="checkbox"/>	Overhanging boughs	<input type="checkbox"/>	<input type="checkbox"/>
Regularly spaced, single	<input type="checkbox"/>	<input type="checkbox"/>	Exposed bankside roots	<input type="checkbox"/>	<input type="checkbox"/>
Occasional clumps	<input type="checkbox"/>	<input type="checkbox"/>	Under-water tree roots	<input type="checkbox"/>	<input type="checkbox"/>
Small-continuous	<input type="checkbox"/>	<input type="checkbox"/>	Fallen trees	<input type="checkbox"/>	<input type="checkbox"/>
Continuous	<input type="checkbox"/>	<input type="checkbox"/>	Cover woody debris	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

None	<input type="checkbox"/>	Present E (≥ 33%)	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

WATERFALLS

Waterfall(s)	None	Present E (≥ 33%)	<input type="checkbox"/>	<input type="checkbox"/>
Overfalls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rapids	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Riffles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ram(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ohid(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pool(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

predominant flow sequence (select up to three features): *Exposed bedrock Rapid Run*

99% RIVER HABITAT SURVEY DIMENSIONS AND FORCES

LEFT BANK	Banktop width (m)	12	RIGHT BANK		
Banktop height (m)	0.8	Water width (m)	10	Banktop height (m)	0.8
Embanked height (m)		Water depth (m)	0.35	Embanked height (m)	

If trapezium lower than banktop break in slope, indicate: height (m) = width (m) =

Bed material at site: consolidated (compact) unconsolidated (loose) bankovers

Location of measurement is: riffle run or glide other (tick one box)

MANAGEMENT

None Number of Culverts = Weirs = Outfalls = Fords =
 Footbridges = Roadbridges = Other =
 In water impounded by weir/dam? No Yes, < 33% of site > 33% of site

MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other? State:

MANAGEMENT

None Waterfalls > 5m high Artificial open water Bog Other (state)
 Striped/white channels Natural open water Carr
 Debris dams Water meadow Marsh
 Lumpy debris Fen Flush

MANAGEMENT

Is 33% or more of the channel choked with vegetation? NO YES

MANAGEMENT

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? *Nettle Rhododendron bracken*

Major impacts: landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - over-spraying - afforestation - habitat management - other? =

Land Management: set-back - buffer strip - headland - abandoned land - parkland - MoD - other? =

Animals: other - mink - water vole - kingfisher - dipper - grey wagtail - mud martin - heron - dragonflies/damselflies

Other significant observations:
*Occasional Alder cutting through at/mid many large cascades on 1
 runs. Sit back in the bank some small cascades some having
 bumpy ss residual. Seen some brown siltier (bedrock) in some*

S. ALDERS (tick appropriate box(es))

Alders? None Present Extensive Diseased Alders? None Present Extensive

A. BACKGROUND MAP-BASED INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____
 Solid geology code _____ Drift geology code _____ Planform category _____
 Distance from source (km) _____ Significant tributary? _____ Navigation? _____
 Height of source (m) _____ Water Quality Class _____

B. PHYSICAL ATTRIBUTES

Reference network site number: 7417
 Mid-site grid reference of network site if different from designated location: _____

Grid Reference: NM 87532 River: R. Glengalmedole
 Date: 7.15.1996 Time: 10.09 Surveyor name: J.P. Accreditation code: PP43

Adverse conditions affecting survey? No Yes If yes, state: _____

Bed of river visible? No partially entirely or (tick one box)

IPE single photograph: general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and, as required, special features? No Yes (tick one box)

Site surveyed from: left bank right bank channel (tick as appropriate)

C. DOMINANT VALLEY FORM

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 deep vee symmetrical floodplain
 gorge asymmetrical floodplain

Terraced valley floor? No Yes IPE - VALLEY FORM NOTES: _____

D. CHANNEL FORM AND VEGETATION

Riffles 3 Unvegetated point bars 1
 Pools 0 Vegetated point bars 0

SEND COMPLETED FORMS WEEKLY plus all water samples and expenses claims TO
 F. H. DAWSON, IPE, RIVER LABORATORY, EAST STOKES, WARRIAM, BS20 6BS

1996 RIVER HABITAT SURVEY ATEN SPOT CHECKS

TALLY (see PD) for: Riffles (1) Pools Unveg. side bars Veg point bars

B. PHYSICAL ATTRIBUTES

Spot check 1 is: upstream <input type="checkbox"/> downstream <input checked="" type="checkbox"/>	1	2	3	4	5	6	7	8	9	10
LEFT BANK										
Material <u>W, S, G, L, F, C, P, M, D, J, V</u>	CS	FA	EA	EA	EA	CO	CO	EA	OE	CO
Bank modification(s) <u>W, S, G, L, F, C, P, M, D, J, V</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>W, S, G, L, F, C, P, M, D, J, V</u>	EC	NO	SB	SB	SB	NO	NO	NO	NO	NO
Channel substrate <u>W, S, G, L, F, C, P, M, D, J, V</u>	GP	GP	GP	CO	CO	BO	GP	GP	OE	NO
Substrate shape <u>W, S, G, L, F, C, P, M, D, J, V</u>	OV	IR	IR	IR	OV	EL	IR	EL	NA	IR
Flow type <u>W, S, G, L, F, C, P, M, D, J, V</u>	RP	SM	RP	SM	ON	RP	RP	SM	SM	RP
Channel modification(s) <u>W, S, G, L, F, C, P, M, D, J, V</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature(s) <u>W, S, G, L, F, C, P, M, D, J, V</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
RIGHT BANK										
Material <u>W, S, G, L, F, C, P, M, D, J, V</u>	FA	GS	EA	ES	EA	ES	GS	ES	NO	GS
Bank modification(s) <u>W, S, G, L, F, C, P, M, D, J, V</u>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Bank feature(s) <u>W, S, G, L, F, C, P, M, D, J, V</u>	PS	NO	NO	NO	NO	ES	PS	NO	NO	ES

F. BANKTOP, LAND USE AND VEGETATION STRUCTURE

Land use: choose one from W, S, G, L, F, C, P, M, D, J, V

LAND USE WITHIN 5m OF BANKTOP (L)	14	14	14	14	14	14	14	14	14	14
LEFT BANK TOP (structure within 5m) <u>W, S, G, L, F, C, P, M, D, J, V</u>	U	U	U	U	U	U	U	U	U	U
LEFT BANK FACE (structure) <u>W, S, G, L, F, C, P, M, D, J, V</u>	B	B	U	B	U	U	B	U	B	B
RIGHT BANK FACE (structure) <u>W, S, G, L, F, C, P, M, D, J, V</u>	U	S	S	B	B	U	U	U	B	U
RIGHT BANK TOP (structure within 5m) <u>W, S, G, L, F, C, P, M, D, J, V</u>	U	U	U	U	S	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	14	14	14	14	14	14	14	14	14	14

VEGETATION

NONE / PLANT GENERA - list first 5

Bryophytes/lichens <u>forbids</u>	E	E								
Emerg broad-leaved herbs										
Emerg reeds/sedge/rushes <u>W, S, G, L, F, C, P, M, D, J, V</u>										
Floating-leaved (rooted)										
Free-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine/linear-leaved <u>W, S, G, L, F, C, P, M, D, J, V</u>										
Filamentous algae <u>W, S, G, L, F, C, P, M, D, J, V</u>										

SITE NO. 1477

Banked/woodland (BL)	L	R	Bare ground (BG)	L	R
Coniferous plantation (CP)		E	Improved/improved grass (IG)	E	E
Orchard (OR)			Tiled land (TL)		
Moorland/heath (MH)	E	E	Wetland (eg bog, marsh, fen) (WL)		
Scrub (SC)			Open water (OW)		
Tall herb/ reed vegetation (TR)			Suburban urban development (SU)		

G. CHANNEL VEGETATION

Natural/unmodified	L	R	Artificial/modified	L	R
Vertical banktop		E	Reinforced		
Vertical + toe			Reinforced - whole bank		
Slope (>45°)		E	Reinforced - top only		
Grass			Reinforced - toe only		
Composts			Artificial bank-top		

TERMS (tick one box per bank)

None	<input type="checkbox"/>	Left	<input type="checkbox"/>	Right	<input type="checkbox"/>
Inch/modified	<input checked="" type="checkbox"/>				
Regularly spaced, single	<input type="checkbox"/>				
Occasional clumps	<input type="checkbox"/>				
Scal-maturation	<input type="checkbox"/>				
Continuous	<input type="checkbox"/>				

ASSOCIATED FEATURES (tick one box per feature)

Shading of channel	None	<input type="checkbox"/>	Present	<input checked="" type="checkbox"/>
Overhanging banks	<input checked="" type="checkbox"/>			
Exposed bankside rocks	<input checked="" type="checkbox"/>			
Underwater tree roots	<input checked="" type="checkbox"/>			
Fallen trees	<input checked="" type="checkbox"/>			
Clumsy woody debris	<input checked="" type="checkbox"/>			

WATERFALLS

Waterfall(s)	None	<input checked="" type="checkbox"/>	Present	<input type="checkbox"/>
Caused(s)	<input type="checkbox"/>			
Rapid(s)	<input checked="" type="checkbox"/>			
Riffle(s)	<input checked="" type="checkbox"/>			
Roe(s)	<input checked="" type="checkbox"/>			
Boil(s)	<input checked="" type="checkbox"/>			
Obil(s)	<input checked="" type="checkbox"/>			
Pool(s)	<input checked="" type="checkbox"/>			

Marginal dead-water

None	<input type="checkbox"/>	Present	<input checked="" type="checkbox"/>
Exposed bedrock	<input checked="" type="checkbox"/>		
Exposed boulders	<input checked="" type="checkbox"/>		
Unvegetated mid-channel bar(s)	<input checked="" type="checkbox"/>		
Vegetated mid-channel bar(s)	<input checked="" type="checkbox"/>		
Mature island(s)	<input checked="" type="checkbox"/>		
Unvegetated side bar(s)	<input checked="" type="checkbox"/>		
Vegetated side bar(s)	<input checked="" type="checkbox"/>		

Indicate predominant flow sequence (select up to three features): CL, R, M

1996 RIVER HABITAT SURVEY - DIMENSIONS AND DIMENSIONS

CHANNEL DIMENSIONS

LEFT BANK	Banktop width (m)	<u>8.0</u>	RIGHT BANK		
Banktop height (m)	<u>0.30</u>	Water width (m)	<u>6.0</u>	Banktop height (m)	<u>0.30</u>
Embedded height (m)		Water depth (m)	<u>0.20</u>	Embedded height (m)	

If waterline lower than banktop level in slope, indicate: height (m) = _____ width (m) = _____

Bed material at site is: consolidated (compact) unconsolidated (loose) Chalkstone

Location of measurement is: riffle run or glide other (tick one box)

VEGETATION

None Number of Cutverts = _____ Weirs = _____ Outfalls = _____
 Footbridges = _____ Roadbridges = _____ Other = _____
 In water impounded by weirs? No Yes, < 1% of site > 1% of site

VEGETATION MANAGEMENT

None Dredging Mowing Weed-cutting
 Enhancement Other? State: _____

VEGETATION

None Waterfalls > 5m high Artificial open water Bog Other (state) _____
 Brackish/side channel Natural open water Cut
 Debris dams Water meadow Marsh
 Leafy debris Fen Flush

VEGETATION

Is 33% or more of the channel choked with vegetation? NO YES

VEGETATION

None Giant Hogweed Himalayan Balsam Japanese Knotweed Other? Mistle Rhododendron fruticosus

MAJOR IMPACTS

landfill - tipping - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry - housing - mining - quarrying - overtopping - afforestation - fisheries management - stiling - other? _____

LAND MANAGEMENT

set-aside - buffer strip - headland - abandoned had - partition - MoD - other? _____

ANIMALS

other - mist - water vole - kingfisher - gipper - grey wagtail - sand martin - heron - dragonflies/damselflies

OTHER SIGNIFICANT OBSERVATIONS

bank depth bank top ...

S. ALDERS (tick appropriate box(es))

Alders? None Present Extensive Diseased Alders? None Present Extensive

GROUNDWATER INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____
 Solid geology code _____ Drift geology code _____ Planform category _____
 Distance from source (km) _____ Significant tributary? _____ Navigation? _____
 Height of source (m) _____ Water Quality Class _____

Reference network site number: **2419**
 Mid-site grid reference of network site if different from designated location: _____

Grid Reference: **MN110500** River: **Mt. R. Middle**
 Date: **8/5/1996** Time: **10:10** Surveyor name: **JJL** Accreditation code: **PFAS**

Adverse conditions affecting survey? No Yes If yes, state: _____
 Bed of river visible? No partially entirely (tick one box)
 IFE single photograph, general character? No Yes (tick one box)
 (duplicate will be made by scanning)
 and as required, special feature? No Yes (tick one box)
 Site surveyed from: left bank right bank channel (tick as appropriate)

VALLEY FORM

shallow vee concave/bowl (if U-shaped glacial valley - add "U")
 steep vee symmetrical floodplain
 gorge asymmetrical floodplain

Toward valley floor, No Yes IFE - VALLEY FORM NOTES: _____

Riffles: **S** Unvegetated point bars
 Pools: **O** Vegetated point bars

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO
 P. R. DAWSON, IFE, RIVER LABORATORY, EAST STOKES WAREHAM, BH20 6BS

VALLEY FORM (see PM) for River **Mt R** Pools Unveg. side bars Veg point bars

SPOT CHECK 1 in upstream downstream

1	2	3	4	5	6	7	8	9	10
CO	CO	BO	BO	BE	BE	OD	OD	EA	EA
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
SB	SB	SB	SB	NO	NO	NO	NO	NO	NO
BO	BO	BE	BE	OD	OD	CO	CO	CE	CE
EL	OL	EL	NA	NA	TR	TR	FL	FL	NA
WR	RP	CR	CR	CF	SW	CR	CR	CR	CR
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
BO	BO	BE	BE	CE	BO	OD	OD	EA	EA
NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
SB	NO	NO	NO	NO	NO	NO	NO	NO	NO

LAND USE WITHIN 5m OF BANKTOP (L)

EG	TA	TA	TA	TA	TA	TA	TA	TA	TA
U	U	U	U	U	U	U	U	U	B
B	B	B	B	B	B	B	B	U	B
U	U	U	U	U	U	U	U	U	B

LAND USE WITHIN 5m OF BANK TOP (O)

EG	TA	TA	TA	TA	TA	TA	TA	TA	TA
----	----	----	----	----	----	----	----	----	----

PLANT GENERA - list 5

None									
Bryophytes/lichens									
Emergent broad-leaved herbs									
Emergent rush/sedge/grasses									
Floating-leaved (potamo)									
Free-floating									
Amphibious									
Submerged broad-leaved									
Submersed free-flowering									
Filamentous algae									

TRIBUTARY

L	R	L	R
Drift modified (RM)		Rough pasture (RP)	
Channel as plantation (CP)		Improved/improved grass (IG)	E B
Orchard (OR)		Tidal land (TL)	
Meadow bank (MB)		Wetland (eg bog, marsh, fen) (WL)	
Open water (OW)		Open water (OW)	
Fallow and vegetation (FD)		Suburban/urban development (SU)	

VERTICAL BANK

L	R	L	R
Vertical < 5m		Reinforced - whole bank	
Steep (> 5m)		Reinforced - top only	
Over		Reinforced - toe only	
Can		Artificial bank	
		Embankment	
		30-60cm embankment	

TRILLS (tick one bar per bank)

Left	Right
Shed/overhead	
apertly spaced, single	
Unnatural change	
Bank-entrenchment	
Continuation	

ASSOCIATED FEATURES (tick one bar per feature)

None	Present E (2.11%)
Shading of channel	
Overhanging banks	
Exposed bankside roots	
Underwater tree roots	
Field trees	
Course weedy debris	

WATERBARS

None	Present E (2.11%)
Marginal downwater	
Exposed bankcut	
Exposed bankbar	
Unvegetated mid-channel bar(s)	
Vegetated mid-channel bar(s)	
Mature island(s)	
Unvegetated side bar(s)	
Vegetated side bar(s)	

predominant flow sequence (select up to three features): **Cascade Riv. RM**

CHANNEL CHARACTERISTICS AND VEGETATION

LEFT BANK	Banking width (m)	17	RIGHT BANK	
Banking height (m)	Water width (m)	17	Banking height (m)	0.45
Embankment height (m)	Water depth (m)	0.2	Embankment height (m)	

If embankment lower than banking bank in slope, indicate: height (m) = _____ width (m) = _____

Bed material at site is: smoothed (compact) unsmoothed (loose) unknown

Location of measurement is: ditches run or glide other (tick one bar)

None Number of: Cutwaters = _____ Weirs = _____ Outfalls = _____ Forth = _____
 Footbridges = _____
 In water impounded by weir/bank? No Yes, < 33% of site > 33% of site

None Driveway Mowing Weed-cutting
 Embankment Other?

None Waterfalls > 5m high Artificial open water Bog Other (state) _____
 Bankside channels Natural open water Carr
 Debris dams Water meadow Marsh
 Leafy debris Pile Flush

Is 25% or more of the channel choked with vegetation? NO YES

None Giant Hogweed Knapweed Japanese Knotweed Other? North Rhododendron bushes

Major inputs: landfill - flytip - litter - sewage - pollution - drought - obstruction - mill - dam - road - rail - industry -
 landing - mining - quarrying - overgrazing - afforestation - fisheries management - silt - other = _____

Lead Management: set-back - buffer strip - banked - abandoned land - parkland - MoD - other = _____

Animals: other - mist - water vole - kingfisher - dipper - grey heron - mud martin - heron - dragonfly/damselfly
 dipper

Other significant observations:
 natural debris pile forming through narrow area of grass
 valley some areas of bank erosion. Mostly debris stream run.

SEND COMPLETED FORMS WEEKLY plus all water samples and expense claims TO
 P. R. DAWSON, IFE, RIVER LABORATORY, EAST STOKES WAREHAM, BH20 6BS

SECTION A: GENERAL INFORMATION

Altitude (m) _____ Slope (m/km) _____ Flow category (1-10) _____
 Solid geology code _____ Drift geology code _____ Platform category _____
 Distance from source (km) _____ Significant tributary ? _____ Navigation ? _____
 Height of source (m) _____ Water Quality Class _____

Reference network site number: 20-38

Altitude grid reference of network site if different from designated location: _____

Old Reference: AN 704 93 River: Ronnach R. rev.

Date: 7/15/1996 Time: 11:20 Surveyor name: JJL Accreditation code: PP48

Adverse conditions affecting survey? No Yes If yes, state: _____

Bed of river visible? No partially clearly (tick one box)

IFE bank photographs ground character? No Yes (tick one box)
 (If yes, will be made by _____ and, as required, special features)

Site surveyed from: left bank right bank channel (tick as appropriate)

SECTION C: VALLEY FORM

Terraced valley floor? No Yes IFE - VALLEY FORM NOTES:

Riffles 4 Unvegetated point bars
 Pools Vegetated point bars

INDICATE DOMINANT FLOW SEQUENCE (select up to three features): RM E M

SECTION B: CHANNEL CHARACTERISTICS

TALLY (see key for - RIFLES) Pools Using side bars Veg point bars

Spot check 1 is upstream of downstream	1	2	3	4	5	6	7	8	9	10
Channel width (m)	NO	EA	SA	SE	RE	RE	RE	RE	RE	RE
Bank width (m)	NO	NO	NO	NO	RE	RE	RE	RE	RE	RE
Bank height (m)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel substrate	NO	CO	SE	CF	CS	CS	CS	CS	CS	NO
Substrate depth	EL	EL	EL	NA	NA	OV	RE	RE	RE	RE
Flow type	SM	RP	RP	RP	RP	RP	RP	RP	RP	RP
Channel modification	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Channel feature	NO	ME	ME	NO	NO	RO	RE	NO	NO	NO
Bank modification	NO	NO	RE	RE	RE	NO	NO	NO	NO	NO
Bank feature	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Land use: choose one from R, C, M, S, L, E, P, G, R, S, M, O, W

LAND USE WITHIN 5m OF BANKTOP (L)	RG	RE	RE	SW	SI	SI	SI	SI	SI	SI
LEFT BANK-TOP structure within 1m	U	U	U	U	B	B	B	B	B	B
LEFT BANK FACE (structure)	B	B	B	U	U	U	U	U	U	U
RIGHT BANK FACE (structure)	U	U	U	U	B	B	B	B	B	B
RIGHT BANK-TOP structure within 1m	S	U	U	U	U	U	U	U	U	U
LAND USE WITHIN 5m OF BANK TOP (R)	EL	SW	RG	SI	SI	SI	SI	SI	SI	SI

SECTION D: VEGETATION

NONE / PLANT ORDER - See key

Bryophytes/lichens										
Emergent broad-leaved herbs										
Emergent narrow-leaved herbs										
Floating-leaved (free)										
Fern-floating										
Amphibious										
Submerged broad-leaved										
Submerged fine-leaved										
Phanerogam type										

SECTION E: CHANNEL CHARACTERISTICS

Streamflow (m/s) _____ Roughness (K) _____ L _____ R _____

Channel gradient (m) _____ Approximate topsoil cover (m) _____

Channel (m) _____ Trench (m) _____

Man-made bank (m) _____ Weir/barrage bar, check, etc (m) _____

Scrub (m) _____ Open water (m) _____

Tall herb and vegetation (m) _____ Bank height (m) _____

Notes/Remarks (L) _____ (R) _____

Vertical/obscure _____ Bankline _____

Vertical + bar _____ Bankline _____

Slope (>45) _____ Bankline - top only _____

Grate _____ Bankline - low only _____

Complete _____ Bankline _____

TERMS (tick one box per feature)

None	Left	Right	Both
Bankline/point bar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bankline/point bar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bankline/point bar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bankline/point bar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bankline/point bar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ASSOCIATED FEATURES (tick one box per feature)

None	Left	Right	Both
Bankline/point bar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bankline/point bar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bankline/point bar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bankline/point bar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bankline/point bar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

TERMS (tick one box per feature)

None	Left	Right	Both
Bankline/point bar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bankline/point bar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bankline/point bar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bankline/point bar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bankline/point bar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Indicate predominant flow sequence (select up to three features): RM E M

SECTION F: CHANNEL CHARACTERISTICS

LEFT BANK: Bankline width (m) _____ 14' EXISTING BANK

Bankline height (m) 0.15 Water width (m) _____ 12' Bankline height (m) 0.25

Bankline height (m) _____ Water depth (m) 0.9 Embankment height (m) _____

If embankment lower than bankline height in slope, indicate: height (m) = _____ width (m) = _____

Bed material at site is: unconsolidated (organic) unconsolidated (inorganic) Consolidated

Location of measurement is: stream any of site other (tick one box)

None Number of Obstructions: 3 Obstructions: 3 Pools: _____
 Fences: _____ Embankment: _____ Other: _____

In water impounded by vegetation? No Yes <35% of site >35% of site

None Deadwood Manure Weed-clogging
 Excavation Other: _____

None Artificial open water Bag Other (none) _____
 Bankline channel Natural open water Cur
 Debris dams Water meadow Marsh
 Leafy debris Pile Flush

Is 35% or more of the channel cluttered with vegetation? NO YES

None Giant Hogweed Kalmia latifolia Japanese Knotweed Other: None

Major impacts: bankline - flying - litter - sewage - pollution - drought - obstruction - spill - dam - and - soil - industry -
 burning - quarrying - overgrazing - alienation (select appropriate) Other: _____

Lead Management: not visible - better only - bankline - channel bed - partial - Mod - other = _____

Animals: only - stick - water vole - kingfisher - dipper - grey wagtail - and moor - loon - dragonfly/damselfly fish

Other significant observations:
 Site shows natural but has some rough rubble with fish fence.
 with RE & outfalls present adjacent to river from estate
 owners: water control also for fish farm estate.

ALWAYS: (tick one box per feature)

Always? None Present Extensive Channel Altered? None Present Extensive

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Institute of Terrestrial Ecology
Institute of Virology & Environmental Microbiology

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