




A Survey Details	B Survey Information
Site reference:	Is the reach part of a river or an artificial channel? River <input type="checkbox"/> Artificial <input type="checkbox"/>
Reach name/reference:	Are adverse conditions affecting the survey? No <input type="checkbox"/> Yes <input type="checkbox"/>
River name:	If yes, state .....
Date: / / Time:	If you see a camera icon , please take a photo of the feature
Surveyor name:	If you see a camcorder icon , please take a video
	<input type="checkbox"/> When options shown with 'shadow boxes', tick one box only
	<b>LEFT</b> Banks determined by facing downstream <b>RIGHT</b>

C Artificial Features				(indicate the total number of occurrences of each category within the site)				
If none, tick box <input type="checkbox"/>		Major	Intermediate	Minor		Major	Intermediate	Minor
	Weirs/sluices				Outfalls/intakes			
	Culverts				Fords			
	Bridges				Deflectors/groynes/croys			
	Other (state)							
Is water impounded by weir/dam? No <input type="checkbox"/> Yes, <33% of site <input type="checkbox"/> Yes, >33% of site <input type="checkbox"/>								

D Land Use (within 50m of banktop)			Use ✓ (present) or E (≥33% of banklength)		
	Left	Right		Left	Right
Broadleaf/mixed woodland (semi-natural) (BL)			Natural open water (OW)		
Broadleaf/mixed plantation (BP)			Rough/unimproved grassland/pasture (RP)		
Coniferous woodland (semi-natural) (CW)			Improved/semi-improved grassland(IG)		
Coniferous plantation (CP)			Tall herb/rank vegetation (TH)		
Scrub & shrubs (SH)			Rock, scree or sand dunes (RD)		
Orchard (OR)			Suburban/urban development (SU)		
Wetland (e.g. bog, marsh, fen) (WL)			Tilled land (TL)		
Moorland/heath (MH)			Irrigated land (IL)		
Artificial open water (AW)			Parkland or gardens (PG)		
			Not visible (NV)		

E Bank Profiles			Use ✓ (present) or E (≥33% of banklength)		
Natural/unmodified	Left	Right	Artificial/modified	Left	Right
Vertical			Reinforced - whole		
Steep (>45°)			Reinforced - top only		
Gentle			Reinforced - toe only		
			Artificial two-stage		
			Poached bank		
			Embanked		
			Set-back embankment		

F Channel Vegetation Types Summary											
Overall assessment over 500m, including types not occurring in spot checks. Tick one box per vegetation type.											
	NV	None	Present	E, ≥33%		NV	None	Present	E, ≥33%		
Liverworts/mosses/lichens	<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"/>		
Emergent broad-leaved herbs	<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"/>		
Emergent reeds/sedges/rushes/grasses/horsetails	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Submerged linear-leaved	<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"/>	Submerged fine-leaved	<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"/>	Filamentous algae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

**Ten Spot-checks** (at 50m intervals over a 500m stretch) 

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

**G Physical Attributes** (to be assessed across channel within a 1m wide transect)

When boxes 'bordered', only one entry allowed	1 GPS	2	3	4	5	6 GPS	7	8	9	10	GPS
<b>LEFT BANK</b>											
Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, TD, FA, BI											
Bank modification(s) NK, NO, RI, PC, BM, EM											
Marginal & bank feature(s) NV, NO, EC, SC, SB, VS											
<b>CHANNEL</b>											
Channel substrate NV, BE, BO, CO, GP, SA, SI, CL, PE, EA, AR											
Channel modification(s) NK, NO, CV, RI, DA, FO											
Channel feature(s) NV, NO, EB, RO, VR, MB, VB, MI, TR											
<b>RIGHT BANK</b>											
Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RR, TD, FA, BI											
Bank modification(s) NK, NO, RI, PC, BM, EM											
Marginal & bank feature(s) NV, NO, EC, SC, SB, VS											

**H Banktop Land Use & Vegetation Structure** (to be assessed over a 10m wide transect)

LAND USE WITHIN 5m OF LEFT BANKTOP											
LEFT BANKTOP (veg. structure within 1m) B/U/S/C/NV											
LEFT BANK-FACE (veg. structure) B/U/S/C/NV											
RIGHT BANK-FACE (veg. structure) B/U/S/C/NV											
RIGHT BANKTOP (veg. structure within 1m) B/U/S/C/NV											
LAND USE WITHIN 5m OF RIGHT BANKTOP											

**I Channel Vegetation Types** (to be assessed over a 10m wide transect)

Use ✓ (present), E (≥33% of length), or NV (not visible)

None (✓) or Not Visible (NV)											
Liverworts/mosses/lichens											
Emergent broad-leaved herbs											
Emergent reeds/sedges/rushes/grasses/horsetails											
Floating-leaved (rooted)											
Free-floating											
Amphibious											
Submerged broad-leaved											
Submerged linear-leaved (flat, spade like)											
Submerged fine-leaved (shoe lace)											
Filamentous algae											

**Coordinates/Grid References**

	Spot-check 1	Spot-check 6	End-of-site
<b>Coordinates</b>			



**J Channel dimensions** (to be measured at one location on a straight uniform section that is safe to access)

Embankment height (left) (m)	Left bank height (m)	Channel width (m)	Water width (m)	Average water depth (m)	Right bank height (m)	Embankment height (right) (m)

How were dimensions measured? (i.e. ranging pole, tape measure, range finder) .....

**K Extent of trees & associated features** \*Record even if <1%

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

**L Extent of channel & bank features** (Tick one box for each feature) \*Record even if <1%

	None	Present	E (≥33%)		None	Present	E (≥33%)
Marginal deadwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mature island(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated eroding cliff(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unvegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated stable cliff(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetated side bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed bedrock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	*Discrete unvegetated silt deposit(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Exposed boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	*Discrete unvegetated sand deposit(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated bedrock/boulders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	*Discrete unvegetated gravel deposit(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unvegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Silt over gravel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vegetated mid-channel bar(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

**M Features of special interest** Use ✓ (present) or E (≥33% of length) \*Record even if <1%

None	<input type="checkbox"/>	Very large boulders (>1m)	<input type="checkbox"/>	Backwater(s)	<input type="checkbox"/>	Marsh(es)	<input type="checkbox"/>
Braided channels	<input type="checkbox"/>	*Debris dam(s)	<input type="checkbox"/>	Floodplain boulder deposits	<input type="checkbox"/>	Flush(es)	<input type="checkbox"/>
Side channel(s)	<input type="checkbox"/>	*Leafy debris	<input type="checkbox"/>	Water meadow(s)	<input type="checkbox"/>	Natural open water	<input type="checkbox"/>
*Natural waterfall(s) > 5m high	<input type="checkbox"/>	Fringing reed-bank(s)	<input type="checkbox"/>	Fen(s)	<input type="checkbox"/>	Others (state)	<input type="checkbox"/>
*Natural waterfall(s) < 5m high	<input type="checkbox"/>	Quaking bank(s)	<input type="checkbox"/>	Bog(s)	<input type="checkbox"/>		
Natural cascade(s)	<input type="checkbox"/>	*Sink hole(s)	<input type="checkbox"/>	Wet woodland(s)	<input type="checkbox"/>		

**N Notable nuisance plant species** Use ✓ (present) or E (≥33% of length) \*Record even if <1%

If none, tick box	CHANNEL	BANKFACE & BANKTOP			
		Bankface	Banktop to 50m	Bankface	Banktop to 50m
<input type="checkbox"/>	Floating pennywort <input type="checkbox"/>				
	Other (state) ..... <input type="checkbox"/>	*Giant hogweed <input type="checkbox"/>	<input type="checkbox"/>	*Himalayan balsam <input type="checkbox"/>	<input type="checkbox"/>
		*Japanese knotweed <input type="checkbox"/>	<input type="checkbox"/>	Other (state) ..... <input type="checkbox"/>	<input type="checkbox"/>

**O Overall characteristics** (Provide comments on significant observations & other features. Use next page if necessary)