

RIVER HABITAT SURVEY 2003 Version Page 1 of 4								
A FIELD SURVEY DETAILS								
Site Number:	Is the site part of a river or an artificial channel? River Artificial							
Site Reference: Ox FAS RMS 5	Are adverse conditions affecting survey? No Yes 🔲							
Spot-check 1 Grid Ref: 5051803 03845	If yes, state							
Spot-check 6 Grid Ref: 95 51863 03599	Is bed of river visible? barely or not partially ±entirely							
End of site Grid Ref: 5951985 03386	Is health and safety assessment form attached? Yes 🕍 No 🔲							
Reach Reference: OXFAS (2MSS	Number of photographs taken: 4-							
River name: Hinksey Skream	Photo references: SCRUS - 936 SCRUS - 936							
Date 18 /5 /2017 Time: 11:00	Site surveyed from: left bank right bank channel							
Surveyor name: Rob Kurrisun	☐ When options shown with 'shadow boxes', tick one box only							
Accredited Surveyor code: FA 009	LEFT banks determined by facing downstream RIGHT							
B PREDOMINANT VALLEY FORM	(within the horizon limit) (tick one box only)							
(tick one box only)								
shallow vee	concave/bowl							
deep vee asymmetrical valley								
	U-shape valley							
<b>↓</b> gorge	no obvious valley sides							
Distinct flat valley bottom? No	Yes Natural terraces? No Yes No							
C NUMBER OF RIFFLES, POOLS /	AND POINT BARS (enter total number in boxes)							
Riffle(s)	Unvegetated point bar(s)							
Pool(s)	Vegetated point bar(s)							
D ARTIFICIAL FEATURES (indicate total	number of occurrences of each category within the 500m site)							
none, Major Intermediate	Minor Major Intermediate Minor							
tick Weirs/sluices	Outfalls/ intakes 2							
box Culverts  Bridges	Fords Deflectors/							
Other - state	Deflectors/ groynes/croys							
Is channel obviously over-deepened?	No							
-,								



SITE REF. OXFAS RHS 5 RIVER HA	BITA	T SU	RVEY	: TEI	N SP	OT-CH	IECK	S	Pa	ge 2 o	f 4
Spot-check 1 is at: upstream end 🖸 do	wnstrea	m end	0	ol	f site (ti	ick one	box)				
E PHYSICAL ATTRIBUTES (to be assessed :	ichyss c	hanne	lwth	e that y	vide tr	ansect)					
When boxes 'bordered', only one entry allowed	1 GPS	2	3	4	5	6 GPS	7	8	9	10	GPS
LEFT BANK		Rin	, EC o	r SC if	comp	sed of	sand	y subst	rale		
Material NV, BE, BO, CO, GS, EA, PE, CL, CC, SP, WP, GA, BR, RE, TO, FA, BI	EA	EA	EA	EA	CA	CA	EA	CA	EA	EA	1
Bank modification(s) NK, NO, RS, RI, PC(B), BM, EM	RS	ØS	RS	R	RS	85	RS	25	RS	RS	
Marginal & bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS, NB	No	100	10	No	120	120	NO	29	70	2	
CHANNEL			CP- r	ng eitr	ner C o	or Pafija	redor	nicant	5,000	JUNE 1	700
Channel substrate NV, BE, BO, CO, GP, SA, SE, CL, PE, EA, AR	D	EN	Ş١	131	51	56	Sd	S(	51	SI	AR
Flow-type NV, FF, CH, BW, UW, CF, RP, UP, SM, NP, DR	ςM	SM	SM	Son	5M	ζM	SM	SM	SM	SM	
Channel modification(s) NK, NO, CV, RS, RI, DA, FO	RS	25	R	RS	RS	RS	RS	RS	RS	RS	1 1
Channel feature(s) NV, NO, EB, RO, VR, MB, VB, MI, TR	100	20	120	20	100	100	No	20	No	20	pot
For braided rivers only: number of sub-channels											Cha Cha
RIGHT BANK		Fin	g EC o	r SÇ if	comp	escd of	San d	y subst	rate		iks b
Material NV, 8E, 80, CO, CS, EA, PE, CL, CC, SP, WP, GA, BR, RR, TD, FA, BI	CA	EA	EA	EA	ER	ØA.	EA	ŒΝ	EA	GA	유
Bank modification(s) NK, NO, RS, RJ, PC(B), BM, EM	RS	(S	85	RS	RS	RS	RS	RS	RS	RS	strati
Marginal & bank feature(s) NV, NO, EC, SC, PB, VP, SB, VS, NB	100	2	w	100	120	NO	NO	100	po	No	3€
F BANKTOP LAND USE AND VEGETATION	ON STI	RUCT	URE	to be a	sessed	over a	0 m w	rde tra	Sect)	2752	196 100 100 100 100 100 100 100 100 100 10
Land-use: choose one from BL, BP, CW, CP, SH,	OR, WI	, мн,	AW, C	W, RP	, IG, T	H, RD,	SU, TI	L, IL, P	G, NV		Enter channel substrate(s) not occurring as predominant in spot-checks but present in >1% of whole site.
LAND-USE WITHIN 5m OF LEFT BANKTOP	TH	BL	L	BL	gL.	ВL	BL	BL	24	BL	hole :
LEFT BANKTOP (structure within 1m) 8/u/s/C/NV	U	5	5	5	5	5	5	5	5	5	site.
LEFT BANK-FACE (structure) B/U/S/C/NV	U	S	5	5	5	5	5	5	5	3	edon
RIGHT BANK-FACE (structure) 8/U/S/C/NV	2	5	5	5	5	5	5	5	s	5	ninar
RIGHT BANKTOP (structure within 1m) 8/U/S/C/NV	S	5	5	5	5	5	5	5	5	Ś	ž
LAND-USE WITHIN 5m OF RIGHT BANKTOP	BL	24	2	21	BL	QL.	BL	8L	Q.	P/	1
G CHANNEL VEGETATION TYPES CO be ME	rained day	r a 10s	wide t	althuristi.	w 1 (	35% at	10 J	Coverage		100000	Shar
None ( ) or Not Visible (NV)					Г			T	7	1	
Liverworts/mosses/lichens	Н		-			$\vdash$		-	-	-	
Emergent broad-leaved herbs	Н		-					+		-	
Emergent reeds/sedges/rushes/grasses/horsetails	$\vdash$	$\overline{}$	1	1		/	$\overline{}$	1	_		
Floating-leaved (rooted)	<del>-</del>		<u> </u>	-	-	-	_	-	_		-
Free-floating			$\vdash$		-		_	$\vdash$			
Amphibious								-			
Submerged broad-leaved (Nuplear Lubera)				_				_	_		7
Submerged linear-leaved	/			_				$\vdash$			-
Submerged fine-leaved				_		$\vdash$					-
					1			1	I		/
Filamentous algae	$\vdash$					$\vdash$				_	

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SITE REFCREPS PASS RIVER I	HABITA	T SURV	/EY : 500m SWEEP-UP	Page :	3 of
H LAND-USE WITHIN 50m OF	BANKTO	)P Us	e v (present) or E (5.33% banklemeth)		
	L	R		L	R
Broadleaf/mixed woodland (semi-natural)	(BL) E	. 6	Natural open water (OW)		
Broadleaf/mixed plantation (BP)			Rough/unimproved grassland/pasture (RP)		
Coniferous woodland (semi-natural) (CV	V)		Improved/semi-improved grassland (IG)		
Coniferous plantation (CP)	1		Tall herb/rank vegetation (TH)		1
Scrub & shrubs (SH)			Rock, scree or sand dunes (RD)		
Orchard (OR)			Suburban/urban development (SU)	E	E
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)		
I BANK PROFILES Use ✓ (po	resent) or	E (> 33%)	Dank length)		
Natural/unmodified	L	R	Artificial/modified	L	R
Vertical/undercut	۸.		Resectioned (reprofiled)	Ē	E
Vertical with toe			Reinforced - whole	/	V
Steep (>45')			Reinforced - top only		
Gentleww			Reinforced - toe only		
Composite	,		Artificial two-stage		
Natural berm	-		Poached bank		
			Embanked ——————	-	
			Set-back embankment	+	
EXTENT OF TREES AND ASSOC	CIATED FE	ATURES	*record even if <1%	ming lan	1000
TREES (tick one box per bank			ASSOCIATED FEATURES (tick one box per fea		_
Left	Right		None Prese	nt E(≥3	3%)
None	- 8		Shading of channel		,
Isolated/scattered	$\Xi$		*Overhanging boughs		,
Regularly spaced, single  Occasional clumps	님		*Exposed bankside roots	/ 1	
Semi-continuous	H.		*Underwater tree roots		1
Continuous	ੋਂ		Fallen trees  Large woody debris	, F	1
K EXTENT OF CHANNEL AND	BANK FE	ATURES	(tick one bax for each feature) *record even i	< 196	151131
None	Present	E(≥33%)		esent E(a	33%)
*Free fall flow			Exposed bedrock	<b>a</b> (	
Chute flow			Exposed boulders		_
Broken standing waves			Vegetated bedrock/boulders		
Unbroken standing waves			Unvegetated mid-channel bar(s)		
Rippled flow			Vegetated mid-channel bar(s)		
*Upwelling	ā	ā,	Mature island(s)	ā i	ĩ
Smooth flow	, 🗖	Ø.	Unvegetated side bar(s)	ā i	Ĩ.
Smooth flow No perceptible flow	$\bar{\Box}$	ō	Unvegetated mid-channel bar(s)  Vegetated mid-channel bar(s)  Mature island(s)  Unvegetated side bar(s)  Vegetated side bar(s)	ā i	5
No flow (dry)	$\overline{\Box}$	ă	Unvegetated point bar(s)	ā i	5
Marginal deadwater	Ø	Ö	Vegetated point bar(s)	ā à	ī.
Eroding cliff(s)		ā	*Unvegetated silt deposit(s)	ā č	วั
Stable cliff(s)		Õ	*Discrete unvegetated sand deposit(s)	ā Ì	_
_	_		*Discrete unvegetated gravel deposit(s)	ń –	

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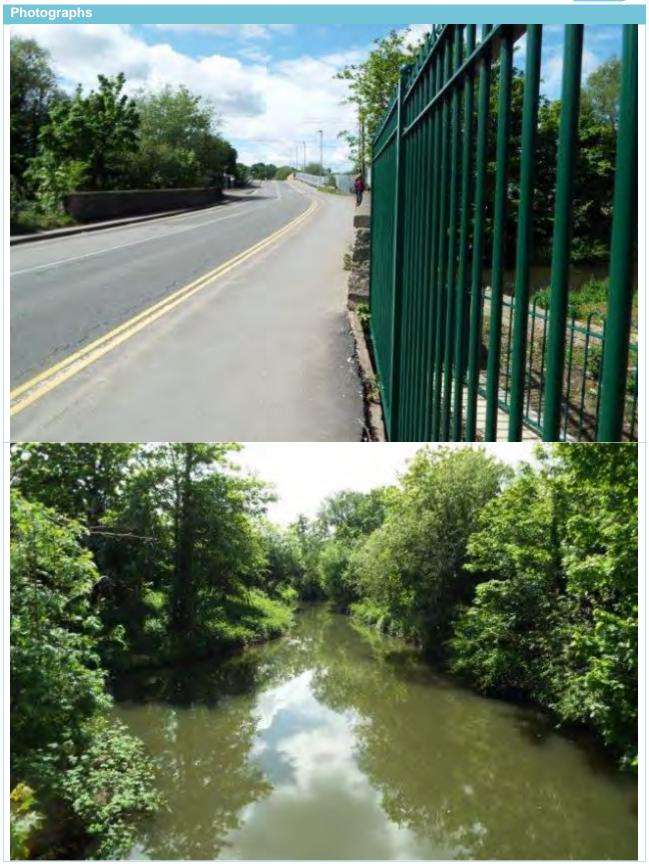


SITE REFORFAS RINGS	RIVER HABI	ITAT SURVEY : DIN	MENSION	NS AND INFLUENCES	age 4 of 4
L CHANNEL DIME	NSIONS (to be n	neasured at one location	on a straig	ght uniform section, preferably a	cross a riffle
LEFT BANK	100 (20)	CHANNEL		RIGHT BANK	177.17
Banktop height (m)	4.5	Bankfull width (m)	16	Banktop height (m)	4-5
Is banktop height also ba height? (Y or N)		Water width (m)	10	Is banktop height also bankfi height? (Y or N)	
Embanked height (m)		Water depth (m)		Embanked height (m)	
If trashline lower than ba	nktop, indicate:	height above water (m)		width from bank to bank (m) =	_
Bed material at site is:	cor	nsolidated unc	onsolidate	d (loose) unk	nown 📮
Location of measuremen	ts is: riffle 🔲 🤇	other 🖫 (state) 🛮 🖒	٠.		
M FEATURES OF SI	PECIAL INTERE	ST Use V or E (> 33	6 length)	*record even if <1%	
None Braided channels Side channel(s)  *Natural waterfall(s) > 5m in  *Natural waterfall(s) < 5m in Natural cascade(s)	*Debris  *Leafy of	debris debris g reed-bank(s)	Backwater(: Floodplain   Water mea Fen(s) Bog(s) Wet woodl	boulder deposits Flush(es	)
N CHOKED CHANI	NEL (tick one b	ox)			
ls 33% or more of the ch	annel choked with	vegetation?	No 🗹	Yes	
mining - quarrying overde Evidence of recent ma gravel extraction - other ( Animals: otter - mink -	rnotweed litter sew sepening afforesta nagement: dre please specify) by water vole - kingfis	*Other - dipper - grey wagta	abstraction ent -silting weed cutti	n - mill - dam road ra indust - waterlogging - hydroelectric por ing - enhancement - river rehab	ver ilitation =
Alders? None 📮 Preso	ent Extensi	OL ( / boxes to co	Alders? N		tensive 🔲
and major/intermediate stru lave you completed all ten lave you completed column lave you recorded in section lave you given an accurate lave you stated whether spo lave you cross-checked you given on page 2 of the spot-	ctures across the ch spot-checks and ma in 11 of section G (ai in C the number of r (alphanumeric) gric ot-check 1 is at the in spot-check and sw	annel? ide entries in all boxes in E nd E if appropriate) on pag iffles, pools and point bars d reference for spot-checks upstream or downstream o	& F on pag ge 27 (even if 0) 1, 6 and er end of the s	ge 2? on page 1? nd of site (page 1)? site (top of page 2)?	

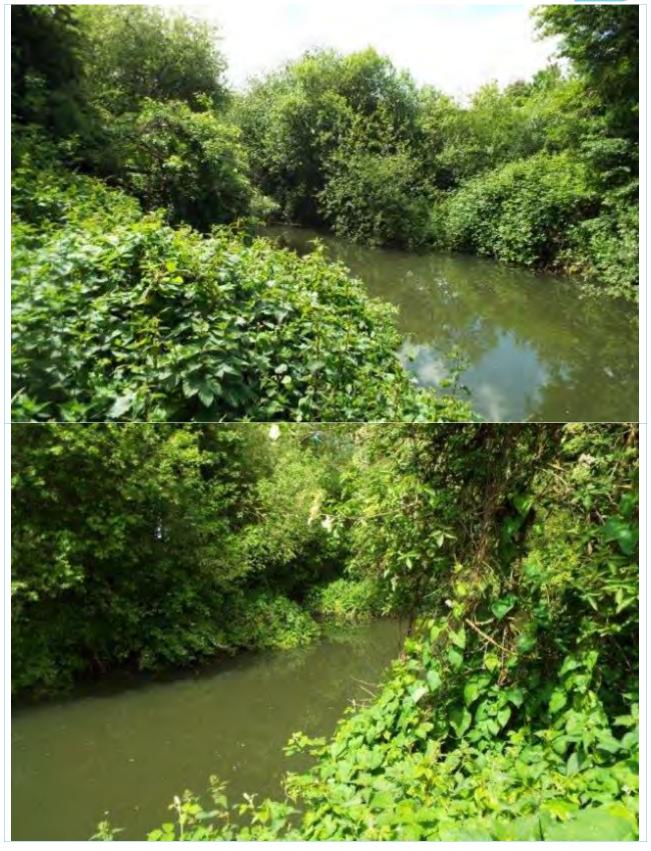
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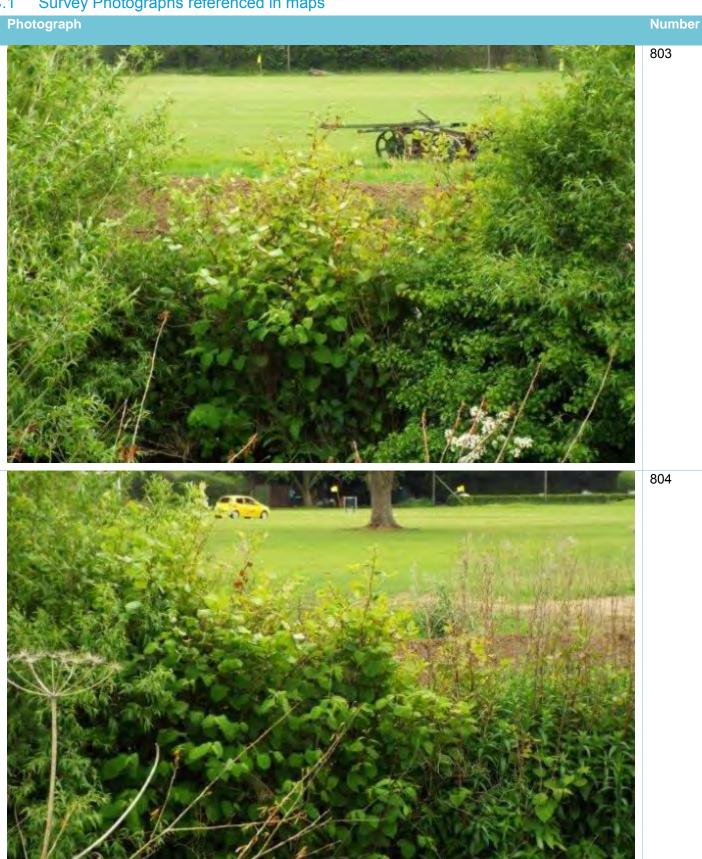






## **Survey Plates**

## Survey Photographs referenced in maps C.1





Photograph Number 784 905



Photograph Number 906 869



Photograph Number 870







Photograph Number

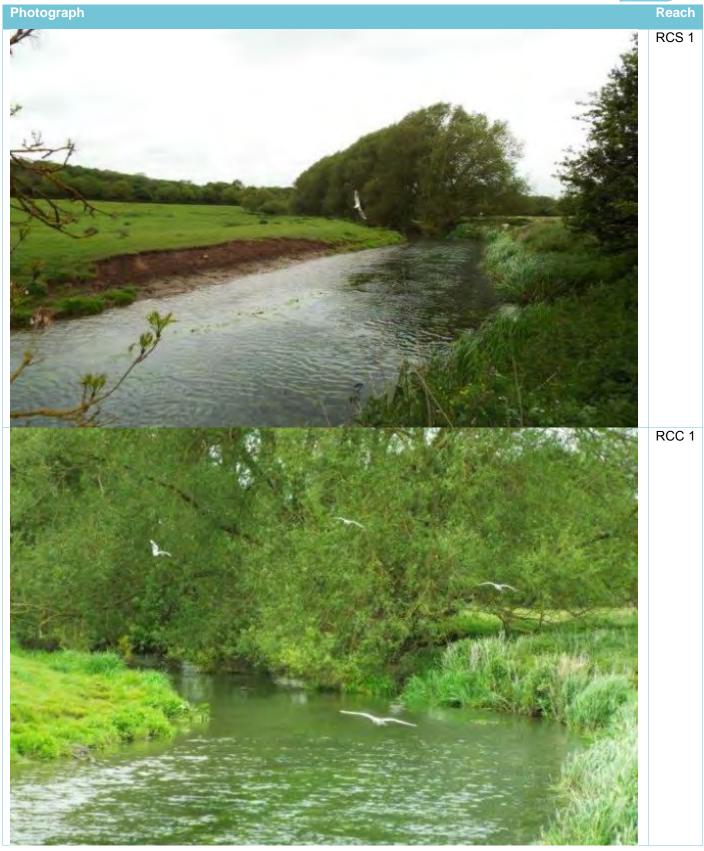
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## C.1.1 RCS Site Photographs











Photograph Reach RCS 3 RCS 3

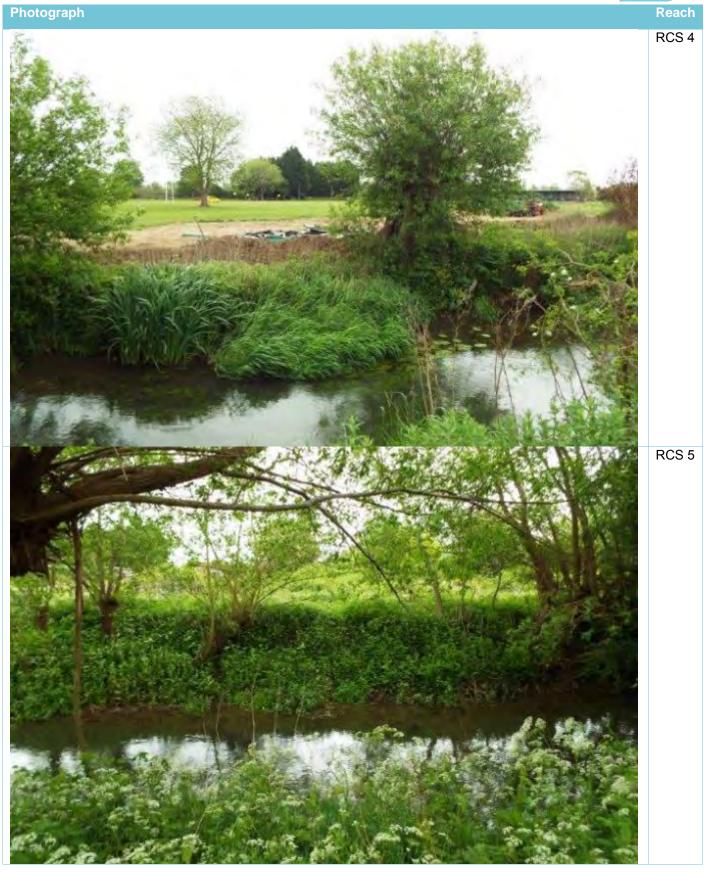














Photograph Reach RCS 6 RCS 6

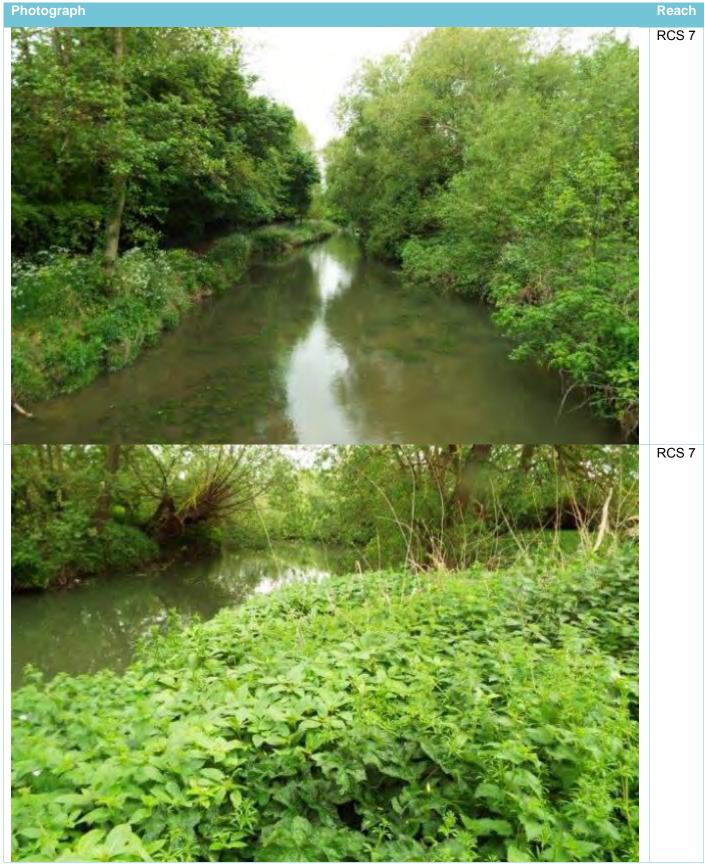




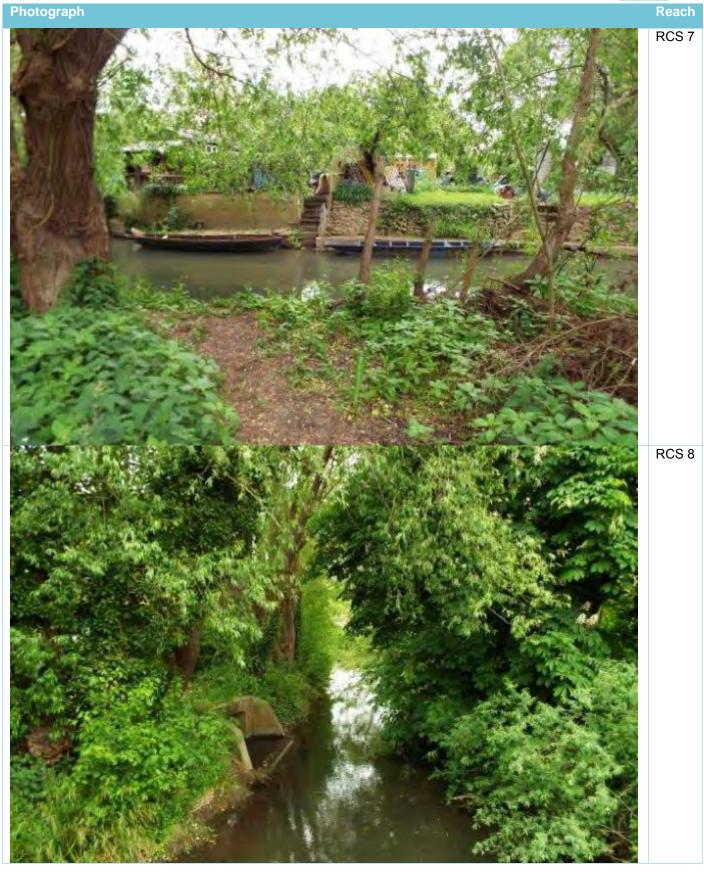








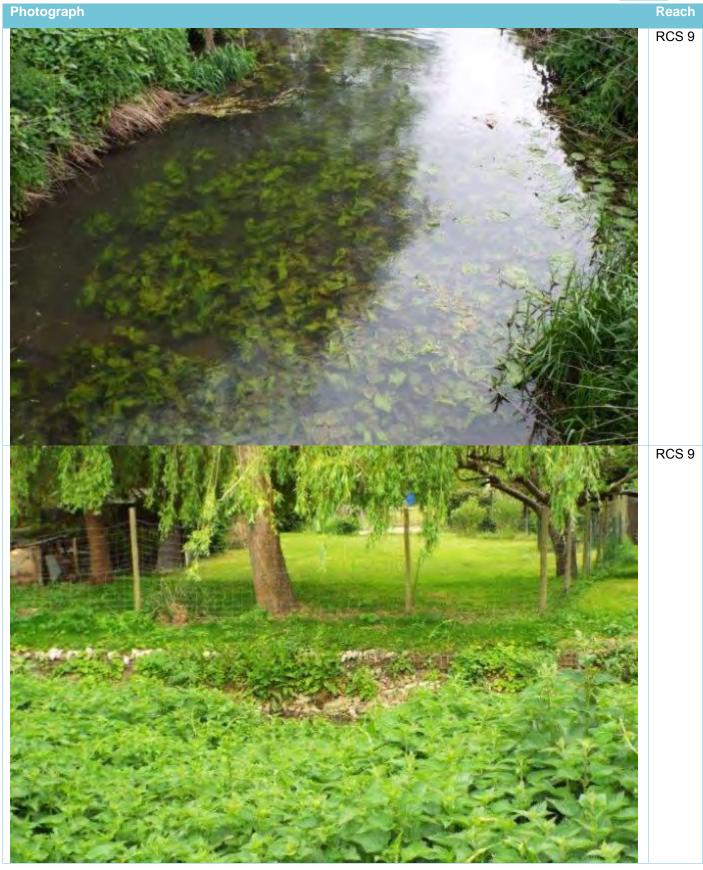




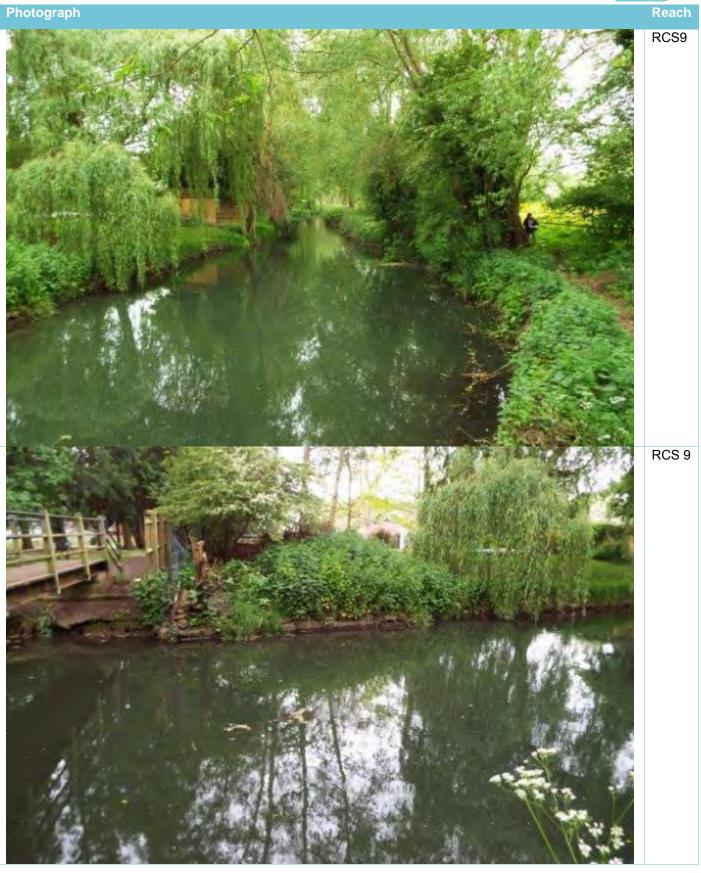


























Photograph Reach RCS 12



RCS 12





Photograph Reach
RCS
13







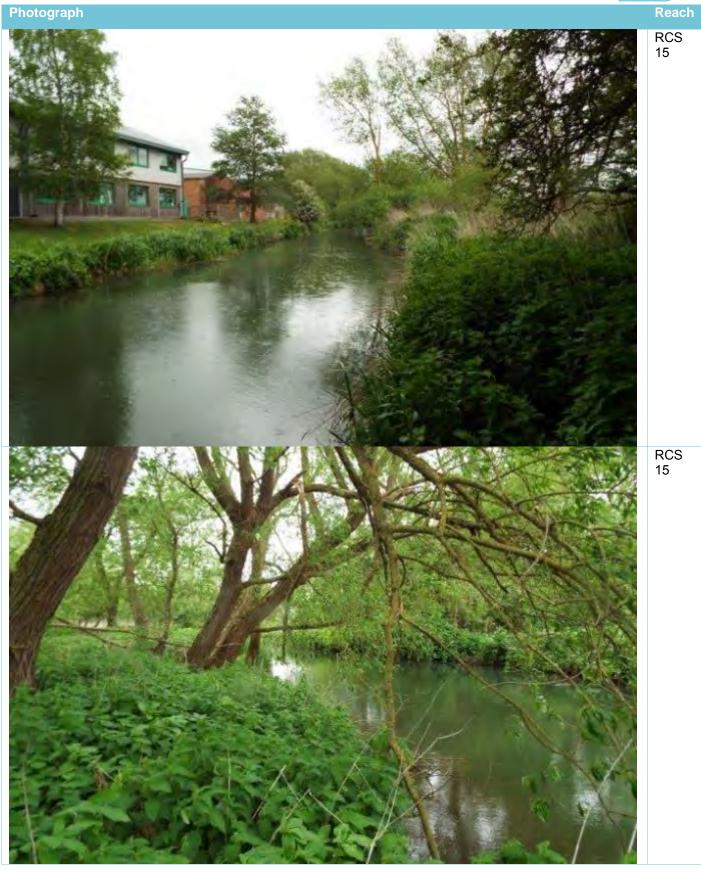








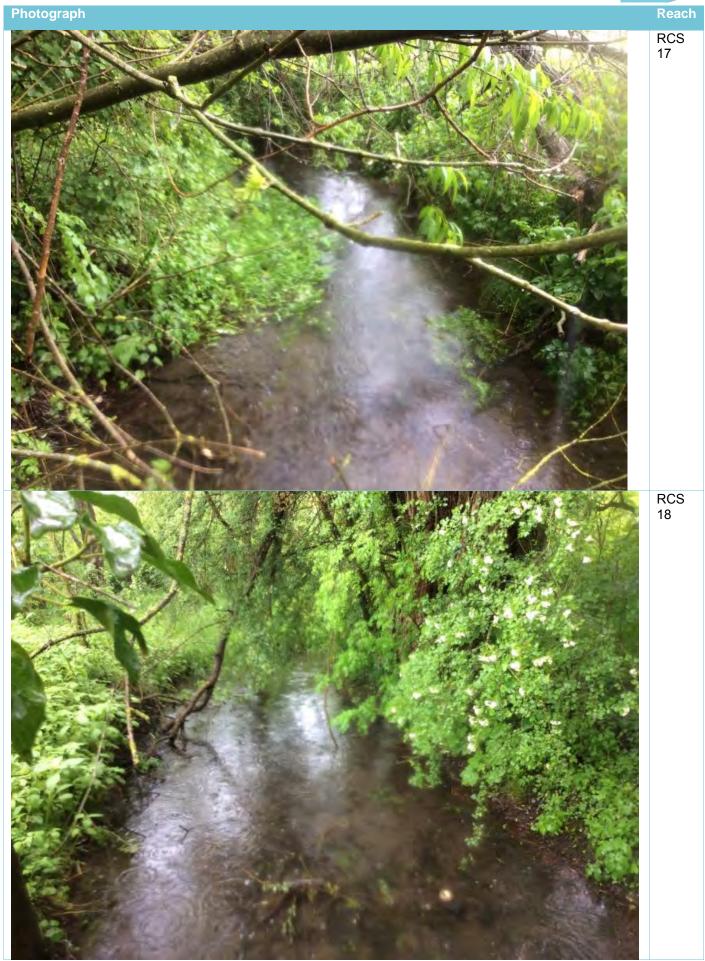






























Photograph Reach

RCS 22





RCS 22









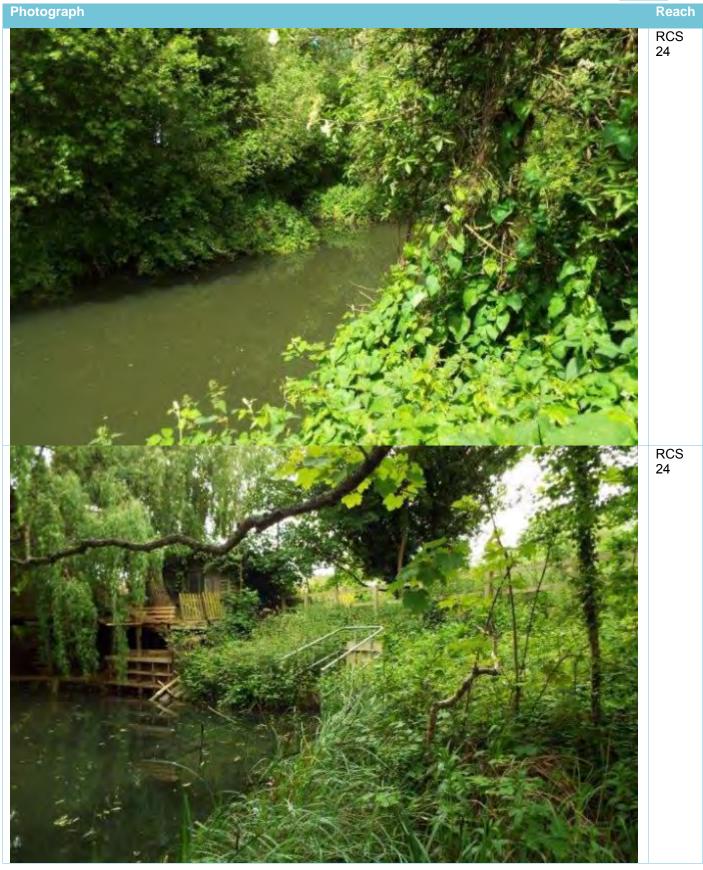












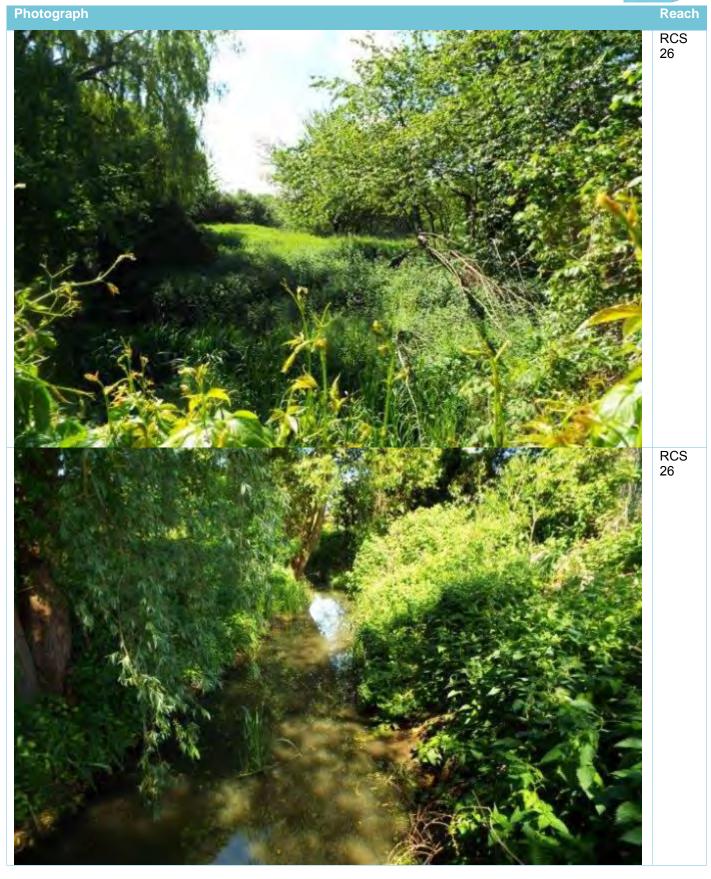














## References

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JNCC (2010) Handbook of Phase I Habitat Survey - a technique for environmental audit. Peterborough: JNCC.

National Rivers Authority (1992) *River Corridor Surveys Methods and Procedures*: Conservation Technical Handbook No.1

River Restoration Centre (2002) Manual of River Restoration Measures - Web Edition



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