

Lee Donaldson Associates
National Rivers Authority Anglian Region
Audit of 1994 RCS Programme

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1. Methodology

The audit methodology used follows that produced by Environmental Management Consultants on behalf of NRA Severn Trent Region. However there are a number of problems with the methodology.

It is often inconsistent with the guidance given in the Conservation Technical Handbook No 1 River Corridor Surveys. Frequently it is the latter that is at fault. The audit methodology penalises surveyors for omitting certain information or recoding it erroneously but the Handbook does not make it clear what is required.

1.1 Example problems

Technical Handbook

In the Handbook's minimum acceptable standard example survey map the cross section includes neither adjacent land information, nor channel depth although the audit methodology states these are necessary.

One of the Handbook example maps (figure 3) does not have flow and substrate information on the map, the others do.

The standard symbol card and Handbook do not differentiate between the tall herb / ruderal symbols:

The former should be used for open communities with exposed soil the latter for well vegetated communities. The surveyor needs to go back to N Holmes' original draft methodology to ascertain this! The examples in the Handbook get it wrong.

The same applies to the tall grass with herbs symbols as above.

Audit Survey Methodology

The audit form doesn't have a section to assess the recording of channel vegetation, either on the maps or in the description. The form only covers marginal vegetation. We have included comments under marginal vegetation.

The form doesn't have sections for recording channel and bank morphology in the descriptions. We have assessed these in Typical features.

The assessment scoring system stated in the methodology is for 4 sections combined on any river. The maximum scores and adequacy levels given are not correct for a single section. We have revised the procedure. (See 1.2 below).

It is only clear in the check list summary that the cross section should be scored qualitatively as good, poor or adequate, not quantitatively.

1.2 Scoring

We have scored each section individually. The total possible score is 51. If all the qualitative sections are completed properly and the qualitative data categories all score adequate, the total score would be 31 or 61%. This represents the **Minimum Acceptable Standard**.

We have allocated full marks where a particular section is not applicable or where for example a value of 'none recorded' has been entered for 'Fauna' or 'Threats'. A number of rivers have been dredged since the time of the survey. In these cases we have given an assessment of 'good' for the assessments dealing with in-channel features and vegetation. In some instances we have not received a copy of the description. We have omitted these assessments and scored the section on the completed parts of the form only.

2. Results

The standard of surveying is quite variable. In general the straighter, wider and more featureless the river the better the recording.

2.1 Check List Summary

RIVER	EALD 030-032	EDEB 055-059	CAM 025-027	LOUS 055-057	BAIN 010-014	NENE 150-154
1. GENERAL INFORMATION						
Name of river	////	////	////	////	////	////
Date of survey	////	////	////	////	////	////
Reach ref. no.	////	////	////	////	////	////
Grid north	////	////	////	////	////	////
Surveyor's name	////	////	////	////	////	////
Scale base width	////	xx///	////	////	//x//	////
length	////	xxx//	////	////	////	////
Grid ref upstream	////	////	////	////	////	////
Grid ref downstream	////	////	////	////	////	////
Flow direction	/xx/x	////	////	////	////	///xx
2. SURVEY MAP						
AQUATIC ZONE						
Plant communities	GGGGG	GGGGP	A AAGG	AAAAA	GGGGG	GGGGG
Flow and current features	AAAPP	PPPPP	P PPGG	PPPPP	PPPPP	PPPPP
Substrate & physical features	PPAPP	PPPPP	GGGGG	PPPPP	PPAPA	PPPPP
MARGINAL ZONE						
Plant communities	GGGGG	GGGGP	GGGGG	GGGAA	GGGGG	PGAGG
Substrate and physical features	APGPP	AAAAP	GGGGA	AGAAP	APGGG	GAAAA
BANK ZONE						
Trees	PPPPP	PPPPP	AAAPP	APPPP	APPPA	GGGAG
Other plant communities	GGGGG	AAPPP	PPPPP	AAAPP	APAAA	GGAAA
Physical features	PPGPP	GGGPP	AGAGG	AGAAP	PPPPP	PGAPG
ADJACENT LAND USE						
Land use	GGGAP	GGAPP	AAAAG	GAAPP	AAAPA	AAPPA
Habitat types	GGGAP	AAAAP	GGGGG	GGAAA	AAGPA	AAAGG
3. CROSS SECTIONS						
	PGGGG	PPPPP	GGGGA	PAGGG	PPPAA	PAPPP

S = 3
 P = 1
 A = 2
 23 } 177
 123 }
 147 }
 276 } 244
 213 }
 15 }
 86 } 179
 18 }
 196 } 145
 23 }
 19

4. SUMMARY DESCRIPTION						
Conditions	////	////	/////	////	////	/////
Typical features	PPPPP	PPPPP	AAAAA	PPPAA	PP-P-	AAAAA
Marginal vegetation	GGGPP	GGGGP	GGGGG	GGGAP	GP-A-	PAAGA
Banks	GGGAP	AAPAP	GGGPA	GGAPA	AP-P-	PAAGA
Adjacent land use	AAAGA	GGAPP	AAAGG	AAAAG	AA-P-	AAPPA
Fauna	GGGGG	GGGAA	GGGGG	GGGGG	GG-A-	GGGGG
Recreation	PPPGG	PPGPP	GGGPP	GGAGG	GG-G-	GGGPP
Existing management	PPPPP	GPPPP	GAGPP	PPPPP	PP-P-	GPPPG
Threats	AGGGG	GGGGP	GGGGG	GGGGG	GG-G-	GGGGG
Suggested habitat improvements	PPPPP	PPPPP	PPPPP	PPPPP	PP-P-	PPPPP
Total	60%	47%	75%	59%	55%	65%

Key X = information not recorded or incorrect
 / = information recorded
 - = not applicable

 P = poor
 A = adequate
 G = good

3. Discussion

The surveys of the Alde, Deben, Little Ouse and Bain do not meet the minimum acceptable standard. The Deben is particularly bad. The river is small and meandering and difficult to survey in comparison to the other channels, though no where near as hard to survey as upland channels. The low score reflects problems with the basic approach to the preparation of the field base map. These problems should have been identified early in the survey and could have been solved easily.

The Nene survey is only just of an acceptable standard. The scores are mainly this high because the surveyor has registered the odd faunal record e.g. ladybirds and has stated that no threats were identified. In reality the actual surveying is often not really adequate. The Nene and Little Ouse are relatively easy to survey. Their scores are particularly bad in this context.

Only the Cam has been surveyed adequately. This is a wide navigable river that has been much modified. It has relatively few features and easy access. No flora forms were supplied for checking. The survey was carried out reasonably well, but there were still simple omissions that indicate that not enough information was recorded in the field.

3.1 Fundamental problems

There are some fundamental problems with some of the surveys:

- a. Parts of some sections simply have not been recorded. No attempt has been made to gain access to much of EDEB 059 due to a bull. However there is a wide strip of woodland down the surveyed bank between the channel and the field with the bull. No attempt was made to survey from the other bank instead, despite there being a bridge at the top of the section. The upstream end of EDEB 058 has not been surveyed although access was easy.
- b. The descriptions do not incorporate 'existing management', 'habitat to be retained' or 'habitat improvement sections'. These are clearly stated as a requirement in the Handbook.
- c. The surveys of small meandering rivers are very poor. This is largely the result of poor mapping procedures.

The channel has been drawn by tracing the left bank from the 1:2500 map. The right bank has then been drawn on after widening the channel. The end result is that the right bank is very distorted. It is compressed in straight areas and extended at curves. Trees that have 50m gaps between them appear as continuous stands.

This problem can be solved by using the traced bank to represent the centre of the channel and then widening the channel equally to either side so, that the distortion is equal to both banks.

The right bank has been drawn exactly parallel to the left. No attempt has been made to reflect variations in channel width within the section.

Trees are frequently misplaced. The surveyors have lost track of their position relative to the bends and the features on each bank have been displaced. Trees that are actually opposite each other sometimes appear separated by 20m or more on the maps.

3.2. Other problems

A number of other problems are less fundamental but are of concern and should not have occurred given proper training and auditing of surveyors.

Survey maps

- a. The channel is often drawn over-wide leading to distortion e.g. EDEB 055-059. There is no consistency of channel widening between surveyors. However some sections are drawn too narrow to record in-channel features properly e.g. EALDE 030-31.
- b. There is considerable variation in the use of symbols between different surveyors.

The tall ruderal symbol is used differently by a variety of surveyors.

C Davies, D Dullaghan and G Wallace use the open symbol.

J. James and S. Dunn use the closed symbol.

B Hedley and L. Tudor-Craig use both symbols together!

The scrub symbol is not used by some surveyors. e.g.

C Davies, L. Tudor-Craig, B. Hedley, G. Wallace and J James.

In-channel vegetation is often poorly recorded. The submerged monocot symbol has not been used by B. Hedley and the floating leaved symbol is omitted by others e.g. D Heath.

The pool symbol has not been used to show the extent of the pool.

- c. In-channel morphological features such as riffles, bars, weirs and pools have often been omitted. e.g. EDEB 058, BAIN 012-013, EALD 034.
- d. Bank erosion features have often not been recorded. e.g. NENE 150-152, CCAM 025, EALDE 031, EALD 033-034
- e. Cross sections

The channel bed is rarely shown by some surveyors e.g. J James.

Bank heights are frequently overestimated by up to 100%. Channel widths are often wrong. e.g. BAIN 010-012, LOUS 055-059, EALD 030.

- f. The scale bars are sometimes out of scale and therefore are misleading. e.g. EDEB 055-056.

- g. Stands of emergent vegetation on the upper or lower bank are often ignored and are not cross hatched, even where the species are mentioned in the text. e.g. EDEB 055-056, BAIN 011-012, LOUS 055-059.
- h. Trees are not correctly positioned or have often been omitted. Those growing at the base of the bank are often positioned at the bank top and vice versa. e.g. LOUS 055-059. EALD 031-35.
- i. Sometimes the bank communities are not annotated with species or management information e.g. CCAM 025-028.
- j. The over head cable symbol is misused by D Heath by placing the pylon symbols in mid channel.
- k. Adjacent land features have been omitted or recorded incorrectly e.g. EDEB 057, BAIN 010-014, NENE 152, EALD 030-033. The management of grasslands is frequently omitted e.g. CCAM 025, EALD 030-034
- l. Adjacent land features have been copied from the OS base but their presence in the field has not been checked e.g. LOUS 058-059.
- m. No enhancements have ever been shown on the maps.

Flora recording

- a. Species recorded on maps have often been omitted from species list e.g. Nene 150. the photo clearly shows *Schoenoplectus lacustris* - it has not been recorded at all on maps, descriptions or forms.
- b. Some species are almost certainly wrong. *Carex flacca* is recorded as a marginal stand species in some sections!
- c. The flora forms have not been filled in incorrectly by G. Wallace. The abundancies are placed to the left of species code, not to the right of species name and the species names have not been circled correctly. D. Dullaghan has used LD, LA, LF in place of DAFOR scales. L. Tudor-Craig has not highlighted the species correctly.
- d. The number of species recorded seems extremely low in many cases. It was not possible to verify this totally but due to the audit being carried out in the winter. However it is clear that important riverine species such as *Myosotis scorpioides* were often omitted, let alone common bank species such as *Cerastium* etc. Very few species are recorded as occasional or rare on some forms indicating that only the community dominants and frequent species have been recorded.

Descriptions

The descriptions reflect the failings of the survey mapping. In addition a number of problems occur:

- a. The 'Broad nature' section contains little information in nearly all cases. Details of in-channel morphological features are not included in any descriptions.
- b. The variability of channel and bank form is often overlooked. The descriptions of the morphology of the whole section have simply been based on the cross section taken at one point. Frequently no comment is made about areas of shallow bank, erosion cliff, artificial reinforcement etc. that occur elsewhere within the section. Often it has not been explained that one bank is markedly different in form from the other e.g. LOUS. BAIN 012, CCAM 028, EALD 030.
- c. In some cases no information is given on the relative abundancy of bank and channel species e.g. CCAM 029, LOUS. No attempt has been made to relate the distribution of plant communities to morphological features such as shelves, bars, channel shading etc.
- c. No widths of emergent stands have ever been given to indicate the extent of the marginal vegetation and shelves.
- b. No species information is ever given for semi-improved grasslands. It is impossible to tell whether or not these are water level dependent communities such as *Deschampsia* or *Juncus* grasslands.

4. Recommendations

The majority of the problems with the surveying could be relatively easily solved by better guidance and early audit even with relatively inexperienced staff.

NRA can take a number of steps to ensure that such improvements are made. The current tendering procedure favours tenders who ignore training, quality control and the preparation of enhancement maps.

- a. NRA tender procedure should require the cost of training and internal audit to be broken down and the number of days to be spent on internal audits to be identified.
- b. We would recommend that an internal audit of 10% of the survey sections is adequate, provided that at least 2 audits per staff member are carried out within the first month and at least a further 2 audits are carried out during the season. This should take around 60 minutes per section plus travel time and costs and should involve the surveyors being taken over the section to see their mistakes. The actual audit should be undertaken by experienced surveyors, so staff costs should be more than for ordinary surveying staff.
- c. NRA should request to see evidence of these audits having been completed and acted upon.
- d. A further 10% of survey sections should be audited by NRA or on NRA's behalf. This should be done during the season using the field survey maps. If field survey maps are not adequately completed for audit purposes they will certainly not be adequate for use in the final reports or for preparing redrawn survey maps and writing the descriptions.
- e. It is impossible for a contractor to estimate how many enhancements will need to be identified, or where and when enhancement maps will be needed. To make tendering fair NRA needs to clarify what is required in terms of enhancement. Asking for a rate per enhancement map and providing an estimate of the maximum number of maps required against which to prepare a tender price, would provide a more equitable basis for comparing tender costings. The contractor would then reduce the overall contract fee for every section for which an enhancement map was not required.
- f. NRA should request details of, or be present at contractor staff training days.
- g. NRA should request sight of additional guidance given by the contractor to staff on surveying and description writing and of the quality control measures that are undertaken. The Handbook guidelines are by no means adequate to ensure that a standardised approach is taken by all surveyors working for a contractor.
- h. NRA needs to clarify the guidance given in the Handbook as there are too many contradictions. Issuing a copy of the audit procedure at tender stage would be useful in indicating the required standard. Clarification of the use of some symbols is required.

- i. It is very difficult to tenderers to price work when the location and extent of the surveys of any particular river are not known at tender stage. This may result in a contractor finding themselves under staffed for a particular distribution pattern of rivers. As a result surveyors may be forced to work too fast with consequent effects on quality. NRA needs to give an indication of the location and extent of surveys on each river at tender stage.



RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River Cam
Section CCNM 025
Auditor B. Taster

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Adequate - more detail of distribution within the channel would be useful.

Flow and current
features

Poor(?) No indication of flow / current features provided on RCH maps apart from slow
rate. Not mentioned in text

Substrate and physical
features

Good - recorded on maps + in text.

MARGINAL ZONE

Plant communities

Good - sparse communities well recorded.

Substrate and Physical features

Good - few features to record.

BANK ZONE

Trees

Adequate - some slight inaccuracies plus lack of shrub recording to LB.

Other plant communities

Poor - little information on map of major bank communities, though recorded in text summary

Physical features

Adequate - eroding RB omitted + drain to LB downstream. Other features well recorded.

ADJACENT LAND USE

Land use

Adequate - no indication on maps whether grassland is grazed, silage, etc.

Habitat types

Good - little habitat of interest to record.

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



(Noted at
time of
QC)

Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



4. SUMMARY DESCRIPTION

Conditions



Typical features

Adequate - too brief

Marginal Vegetation LB & RB

Good - little to record.

Banks LB & RB

Good - well described

Adjacent landuse LB & RB

Adequate - no mention of line of pollarded willows to LB - though noted on the ecc map.

Fauna

~~Not much to record.~~ Good

Recreation

Good - path to LB noted + boat houses, etc.

Existing Management

Good - grazing / mowing management noted.

Threats

Good

Suggested habitat improvement

None suggested - none evident

6. GENERAL NOTES AND ASSESSMENT

Easy section adequately surveyed.

Score $\frac{39}{51} = 76.5\%$

River Name:

River Cam

Section Code:

CCAM 025

Grid Refs:

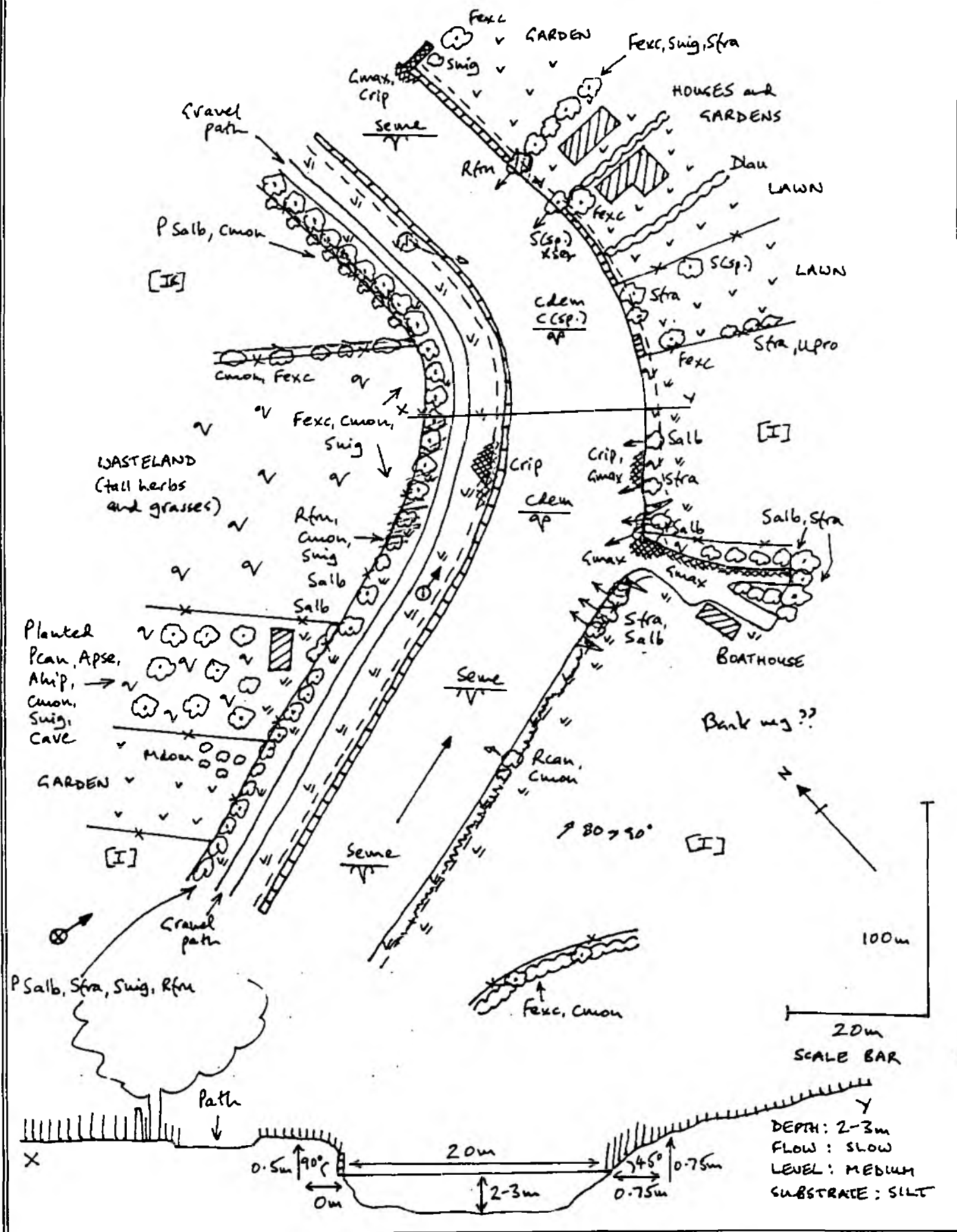
TL 4788 6035
TL 4811 6066

Survey Date:

23-9-94

Surveyor:

DAHEATH



DATE: 23 September 1994

CODE: CCAM 025

Ecosurveys Ltd

CONDITIONS

Overcast and windy. Surveyed from left bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- i Broad Nature A wide, gently curving section with partly artificial banks. *Uniform - slow flow.*
- ii Dimensions 20-25m wide; 2-3m deep.
- iii Substrate Silt.
- iv Bank Type Low, vertical artificial left bank, 0.5m high; low earth right bank, 0.75m high with 45° slope. *+ some 90° etc.*

LAND USE

- LS Improved pasture, houses, gardens, planted area, waste land, gravel path and tree and shrub cover.
- RS Improved pasture, wide inlet with boat house, lawns, gardens and houses.

BANK VEGETATION

- LB The bank top has *Lolium perenne*, *Arrhenatherum elatius*, *Urtica dioica*, *Cirsium arvense* and *Dactylis glomerata* with a small area of *Carex riparia*.
- RB Grazed upstream with *Lolium perenne*, *Cirsium arvense* and *Dactylis glomerata* with *Tussilago farfara* dominant on the bank front with scattered *Crataegus monogyna*, *Rosa canina*, *Salix alba* and *Salix fragilis*. Midsection is dominated by *Urtica dioica*, *Carex riparia*, *Epilobium hirsutum* and *Cirsium arvense* with scattered *Salix alba* and *Salix fragilis*. Downstream the bank is largely artificial with mown *Lolium perenne* on the bank top and scattered *Sambucus nigra*, *Rubus fruticosus*, *Salix* spp and *Salix fragilis*.

CHANNEL
VEGETATION

- LS Submerged *Sparganium emersum*, *Ceratophyllum demersum* and *Callitriche* spp throughout.
- RS Occasional fringing patches of *Glyceria maxima* and *Carex riparia* with extensive submerged *Sparganium emersum*, *Ceratophyllum demersum* and *Callitriche* sp throughout.

FEATURES OF
INTEREST

The continuous line of tree and shrub cover on the left is of value to wildlife.

CODE: CCAM 025

THREATS

None.

FAUNA

None.

**NUMBER OF SPECIES
RECORDED**

53.

CCAM 025
SECTION CODE23-9-94
DATES SURVEYEDD. A. Heath
SURVEYORS NAME

Asple	adi	87	Anmop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
3	mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
4	rut	89	Anaga	arv	175	Calys	pal	262	Circ	x int	349		tet	438	Helia	nam
	tri	90		ten	176		sep	263		lut	350	Erige	ace	439	Helle	foe
	tri qua	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
	tri	92	Andro	pol	178		sol	265		dis	352	Erinu	alp	441	Herac	man
	vir	93	Anemo	nem	179	Campa	glo	266		eri	353	Eriop	ang	442		sph
8	Athyr	94	Angel	syl	180		lat	267		hel	354		lat	443	Hespe	mat
	Blech	95	Anten	dio	181		rapunculo	268		pal	355		vag	444	Hiera	agg
	Botry	96	Anthe	arv	182		rot	269		vul	356	Erodi	cic	445		pil
	Ceter	97		cot	183		tra	270		vit	357	Eroph	ver	446	Hippo	com
12	Crypt	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	rha
13	Cysto	99	Anthr	syl	185	Carda	ama	272	Clino	vul	359	Erysi	che	448	Hippu	vul
	Dipha	100	Anthy	vul	186		fle	273	Cochl	ang	360	Eucory	eur	449	Holcu	lan
	Dryop	101	Aphan	*arv	187		hir	274		dan	361	Eupat	can	450		mol
	car	102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	pep
17	dil	103		mic	189		pra	276		off	363		exi	452	Horde	mur
18	fil	104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
	ore	105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
	Equis	106		nod	192		nut	279	Coniu	mac	366	peplus		455	Hyaci	non
	flu	107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
22	hye	108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23	palust	109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
	syl	110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
	tel	111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
	ver	112		min	198		cur	285		sqv	372	*ovina		461		hum
27	Gymno	113		min	199		dem	286	Coryd	cla	373		pra	462		mac
28	per	114	Arena	*ser	200		dia	287		lut	374	*rubra		463		mon
	mymen	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
30	Isoet	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
31	Lycop	117	Arnor	rus	203		disticha	290		sim	377		vul	466		tet
32	Ophio	118	Arthe	ela	204		ech	291	Crata	mon	378	Filip	ulm	467	Hypoc	rad
33	Oreop	119	Artem	abs	205		ela	292		ine	379		vul	468	Ilex	agu
34	Osmun	120		mar	206		ext	293	Crepi	bie	380	Foeni	vul	469	Impat	gla
35	Phego	121		vul	207		flacca	294		cap	381	Fraga	ves	470		mol
36	Phyll	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
37	Polyp	123	Asper	cyn	209		hos	296		ves	383	Fraxi	exc	472	Inula	con
	cam	124	Ast*nov	b	210		lae	297	Crypt	jap	384	Fumar	mur	473	Iris	foe
	int	125		tri	211		las	298	Cymba	mur	385		off	474		pse
40	vul	126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
41	Polys	127		gly	213	mur	laq	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42	set	128	Acrip	gla	214		nig	301	Cytis	aco	388		spe	477	Junc	acuti
43	Pteris	129		lac	215		otr	302	Dacty	glo	389		*tet	478		art
44	Selag	130		lit	216		ova	303	Dacty	fuc	390		tet	479		*buf
45	Abies	131		pat	217		pal	304		inc	391	Galin	cil	480		buf
46	gra	132		pro	218	panicea		305		mac	392		par	481		*bul
47	pro	133	Atrop	bel	219	panicula		306		pra	393	Galiu	apa	482		bul
48	Acer	134	Avena	fat	220		pen	307		pur	394		cru	483		conclo
49	via	135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		eff
50	osa	136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
51	Achil	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
52	pta	138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		koc
53	Acino	139	Barba	int	225		rip	312		fle	399		*pal	488		mar
54	Aconi	140		ver	226	rostra		313	Desma	mar	400		pal	489		sqv
55	Acoru	141		vul	227		ser	314		rig	401		saxat	490		subnod
56	Adoxa	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
57	Aegop	143	Berbe	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
58	Aescu	144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	ela
59	Aethu	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
60	Agrim	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	agg
61	pro	147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
62	Agros	148	Biden	cer	234	Catab	aqu	321	Draba	inc	408		cam	497	Lamia	gal
63	can	149		tri	235	Centa	mon	322	Drose	int	409	Geran	col	498	Lamtu	aro
64	cap	150	Black	per	236		nig	323		rot	410		dis	499		amp
65	gig	151	Blysm	com	237		sea	324	Echlu	vul	411		end	500		hyb
66	sto	152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
67	vin	153		syl	239		pul	326		mul	413		molle	502		pur
68	Aira	154	Brass	nap	240	Centr	rub	327		palust	414		pha	503	Lapsa	com
69	pra	155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
70	Ajuga	156		rap	242		dif	329		uni	416		pus	505		x eur
71	Alche	157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		kae
72	fil	158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	sqv
73	fil	159		ere	245		sem	332		nut	419		san	508	Lathy	mon
74	gla	160	hor	hor	246		tom	333	Elymu	can	420		syl	509		pra
75	xan	161		ram	247	Chaen	min	334		far	421	Geum	x int	510		syl
76	Alism	162		ste	248	Chae	tem	335		pyc	422		riv	511	Lemna	gib
77	Allia	163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		miror
78	Alliu	164	Buddl	dav	250	Chame	ang	337	Empet	nig	424	Glauc	fla	513		pol
79	sco	165	Butom	unb	251	Cheli	naj	338	Epilo	bru	425	Glaux	mar	514		tri
80	urs	166	Lakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	aut
81	vsh	167	Cala	can	253		bon	340		hir	427	Glyce	dec	516		his
82	Alnus	168		epi	254	Chene	mur	341		montan	428		flu	517		tar
83	Alope	169	Calli	egg	255		pol	342		obs	429		max	518	Lepid	cam
84	gen	170		nan	256		rub	343		pal	430		x ped	519		het
85	myo	171		obt	257	Chrys	seg	344		par	431		pli	520		rud
86	pra	172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	vul
					259		opp	346		tet	433		uli	522	Leymu	are
											434	Groen	den			
											435	Gymna	con			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	781	Rumex	*ace*	868	Solid	can	955	Valer	dic
524		vul	613	Oenan	aqu	695		ber	782		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	783		acetosa	870		vir	957	Valer	loc
526	Limon	vul	615		fis	697		gra	784		con	871	Sonch	arv	958	Verba	ni
527	Linar	pur	616		lac	698		luc	785		crispus	872		asp	959		tha
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ole	960	Verbe	of
529		vul	618		ery	700		obt	787		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	788		obr	875		auc	962		ana
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		ar
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	ang	964		be
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		eme	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	879		era	966		chamae
535	Loliu	mul	624	Orchi	mas	706		ans	793		ape	880		min	967		fil
536		per	625		mor	707		arg	794		mar	881	Spart	ang	968		hed
537	Lonic	per	626	Origa	vul	708		erecta	795		nod	882	Sparg	arv	969	hed	hed
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mari	970	hed	luc
539		uli	628	Ornit	per	710		rep	797	Sagit	sag	884		med	971		mon
540	Lunar	ann	629	Oxali	ace	711		ste	798	Salic	agg	885		rub	972		off
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	Salix	alb	886	Spira	egg	973		persic
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		po
543		mul	632		rho	714		vul	801		cap	888		x amb	975		scu
544		pil	633		som	715		vu x ve	802		ole	889		off	976		ser
545		syl	634	Parap	str	716	Prune	vul	803		fra	890		pal	977	Vibur	la
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		syl	978		op
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	als	979	Vicia	cr
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hir
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		lat
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri	895		*med	982	sat	ni
551		num	640		syl	722		spi	809		vim	896		med	983	sat	sa
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	kal	897		neg	984		sep
553		vul	642	Betas	alb	724	Pucci	dis	811	Sambu	ebu	898		nem	985		vl
554	Lythr	por	643		fra	725		mar	812		nig	899	Suaed	mar	986		
555		sal	644		hyb	726	Pulic	dys	813	Samol	val	900	Succi	pra	987	Vinca	ma
556	Mahon	aqu	645	Phala	aru	727	Pulmo	off	814	Sangu	min	901	Symph	riv	988		mi
557	Malus	syl	646		can	728	Pyrol	min	815		off	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903		x upl	990		can
559		neg	648		pra	730	Querc	cer	817	Sapon	off	904	Syrin	vul	991		hi
560		syl	649		ber	731		ile	818	Saxif	gra	905	Tamus	com	992		lu
561	Marru	vul	650		pra	732		pet	819		hyp	906	Tanac	par	993	odor	
562	Matri	mat	651	Phrag	aus	733		rob	820		ste	907		vul	994		pal
563		rec	652	Picea	abi	734	Ranun	acr	821		tri	908	Tarax	agg	995		rei
564	Mecon	cam	653		sin	735		*aqu	822	spa x	umb	909	Taxus	bac	996		ri
565	Medic	ara	654	PICRI	ech	736		aqu	823	Scabi	col	910	Teu	scoro	997	tri	tr
566		lup	655		hie	737		aur	824	Schoe	lac	911	Thali	fla	998	Viscu	all
567		sat	656	Pimpi	maj	738		bulbo	825		tab	912		min	999	Vulpi	bro
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		myu
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pli	1001	Wahle	he
570		uni	659	Pinus	con	741		fic bul	828		syl	915	Thymu	pra	1002	Zanni	pa
571	Melil	alb	660		nig	742		fic fic	829	Scler	ann	916	Tilia	cor	1003	Popul	nig
572		alt	661		syl	743		fla	830	Scrop	aur	917		x vul	1004	Tilia	pla
573		off	662	Plant	cor	744		hed	831		nod	918	Toril	jap	1005	Cerat	gem
574	Menth	aqu	663		lan	745		lingua	832		umb	919		nod	1006	Amara	re
575		arv	664		maj	746		omi	833	Scute	gal	920	Trago	pra	1007	Salix	ag
576		x pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	flu
577		x ver	666		med	748		pen	835	Sedum	acr	922	Trifo	arv	1009	Poa	angus
578		x vil	667	Plata	bif	749		repens	836		alb	923		cam	1010	Helia	rt
579	Menya	tri	668		chl	750		sce	837		ang	924		dub	1011	Helia	ar
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	Anthe	
581	Miliu	eff	670		com	752	Rapha	rap	839		rosea	926		hyb	1013	Oenot	tr
582	Mimul	agg	671		nemor	753	Resed	lut	840		tel	927		medium	1014	Gallu	spu
583	Moehr	tri	672		*pra	754		luteola	841	Senpe	tec	928		mic	1015	Gallu	pu
584	Molin	cae	673		pra	755	Reyno	jap	842	Senec	aqu	929		pra	1016	Bromu	at
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	sp
586		per	675		tri	757	Rhamn	cat	844		jac	931	Trigl	mar	1018	Anthr	cau
587		sib	676	Polyg	ser	758	Rhin	*min	845		squ	932		pal	1019	Chara	ago
588	Mycel	mur	677		vul	759	Rhodo	pon	846		syl	933	Tripl	ino	1020	Stell	pa
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vis	934		mar	1021	Hotto	pa
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	lan
591		lax	680		are	762		nig	849	vul f	lig	936	Trit	x cro	1023	Anchu	off
592		ram	681		*avi	763		rub	850	vul f	vul	937	Troll	eur	1024	Calli	pia
593		sec	682		avi	764		san	851	Serra	tin	938	Tuga	hat	1025	Calli	he
594		syl	683		bis	765		uva	852	Sesle	alb	939	Tussi	far	1026	Isati	t
595		gal	684		hydro	766	Rorip	amp	853	Shera	arv	940	Typha	ang	1027	Atrip	sab
596	Myoso	aqu	685		lap	767		pal	854	Silau	sil	941		lat	1028	Rumex	pal
597	Myric	gal	686		minus	768		syl	855	Silen	alba	942	Ulex	eur	1029	Bromu	le
598	Myrio	alt	687		oxy	769	Rosa	agg	856		dio	943		gal	1030	Ulmus	ca
599		spi	688		per	770		arv	857		mar	944	Ulmus	gla	1031	Fontin	ad
600	Myrrh	odo	689		poly	771		*can	858		vul	945		pro	1032	Calam	syl
601	Narci	pse	690	Popul	alb	772		pim	859	Silyb	mar	946	Umbil	rup	1033	Azo	filic
602	Nardu	str	691		x canad	773		*rub	860	Sinap	alb	947	Urtic	dio	1034	Potam	t
603	Narth	oss	692		x canes	774		rugosa	861		arv	948		ure			
604	Nastu	mic	693		tre	775		*tom	862	Sison	amo	949	Utric	aus			
605		*off				776	Rubus	cae	863	Sisym	off	950		min			
606		off				777		cham	864		ori	951		vul			
607		x m				778		*fru	865	Sium	lat	952	Vacci	myr			
608	Neott	nid				779		ida	866	Solan	dul	953		oxy			
609	Nepet	cat				780		sax	867		nig	954		vit			
610	Nupha	lut															
611	Nymph	alb															

Malus domestica

Cupressocypariss

Total Number species Recorded:

53

Physical and Habitat Data

River Section No: CCAM 025 Date: 23/9/94

	Feature	Section Data	Input
1	Riffles		0
2	Pools		0
3	Cliffs		0
4	Berms		0
5	Meanders		0
6	Riparian Strip Left Bank - % Length	100%	D
7	Riparian Strip Right Bank - % Length	5%	A
8	Trapezoidal Channel	Y N	N
9	Land Use - Left Bank	A.G.W.S. H .I.L.SG. C .RG	IG
10	Land Use - Right Bank	A.G.W.S. H .I.L.SG. C .RG	IG
11	Trees - Dense	L/R	D
12	Trees - Scattered	L/R	u
13	Scrub - Dense	L/R	D
14	Scrub - Scattered	L/R	u
15	Emergent Fringe - Left Bank % Length	0%	Y
	Emergent Fringe - Right Bank % Length	3%	

RIVER CODE: CCAM 025

RIVER CODE: CCAM 025

486
100112
6-43 -

25

Long Reach

FEN DITTON

Section Code: CCAM025



Photograph Number: /

RIVER CORRIDOR QUALITY CONTROL

River . CAM
Section . CCAM 026
Auditor . B. TranterCHECK LIST

1. GENERAL INFORMATION

Name of river	☐	Date of survey	☐	Reach ref No.	☐
Grid North	☒	Surveyors name	☒	Scale base width	☐
				Length	☒
Grid ref upstream	☐	Grid ref downstream	☐	Flow direction	☐

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Adequate - more detailed distribution would be useful

Flow and current
features

Poor(?) - Nothing apart from slow flow mentioned eg uniform, even flow throughout. No mention in text.

Substrate and physical
features

Good - recorded in text and on map.

MARGINAL ZONE

Plant communities

Good - sparse communities well recorded.

Substrate and Physical features

Good.

CCAM 026

BANK ZONE

Trees

Adequate - slight inaccuracies in mapping + lack of recording shrubs to LB.

Other plant communities

Poor - bank communities not recorded on map but detailed in text.

Physical features

Good - uniform channel with little to record.

ADJACENT LAND USE

Land use

Adequate - no indication on map whether grassland is grazed, silage, etc. Potential willows to LB not noted.

Habitat types

Good.

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



(wrong in
text)

Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



4. SUMMARY DESCRIPTION

Conditions



Typical features

Adequate - too brief

Marginal Vegetation LB & RB

Good - little to record

Banks LB & RB

Good - well described

Adjacent landuse LB & RB

Adequate - no mention of pollarded willows to LB.

Fauna

Good.

Recreation

Good - path to LB noted

Existing Management

Adequate - mention of grazed area to RB.

Threats

Good

Suggested habitat improvement

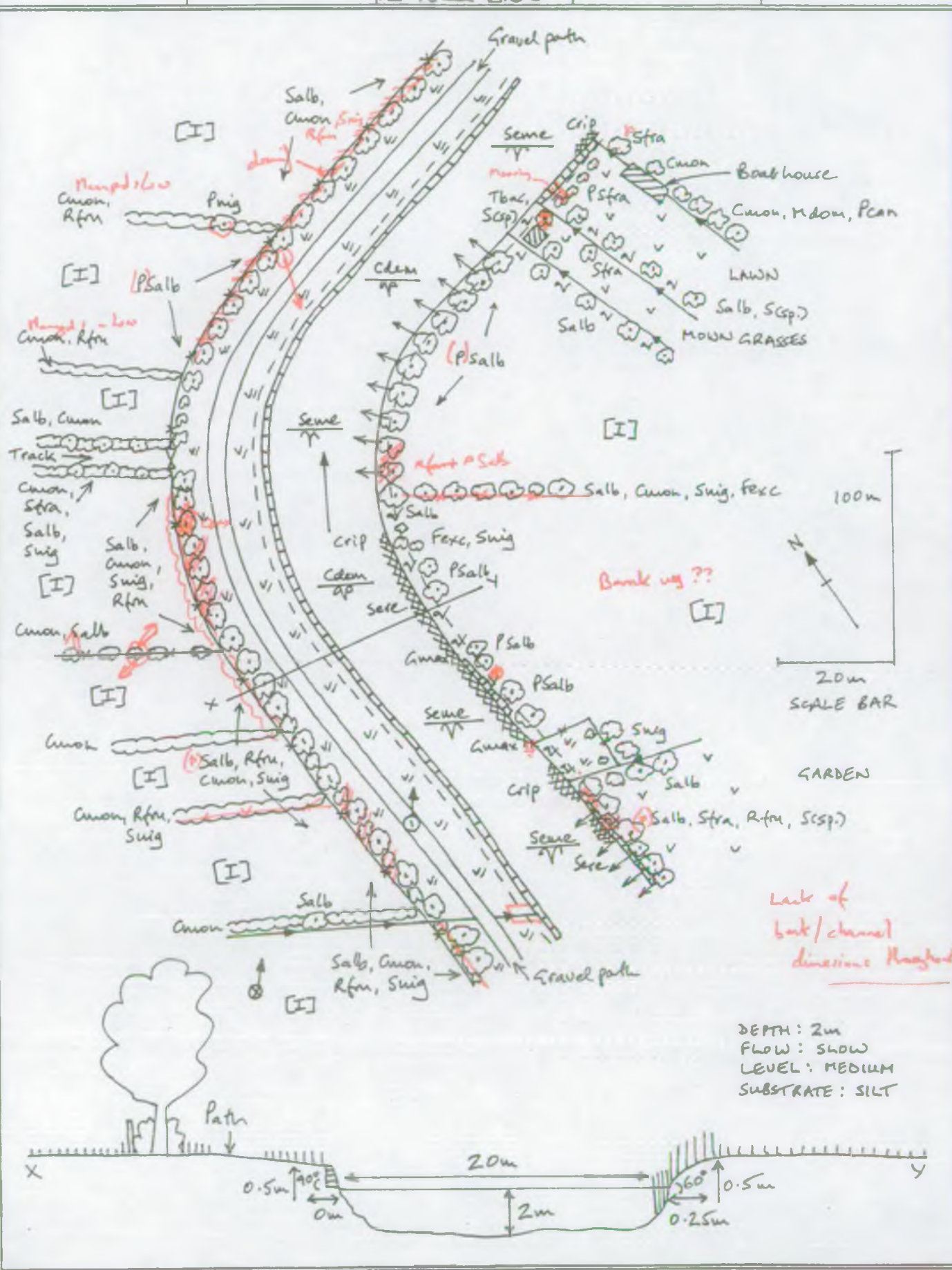
None suggested (possible pollarding required of some willows to LB).

6. GENERAL NOTES AND ASSESSMENT

Entry section adequately ^{well} surveyed.

$$\text{Score } \frac{39}{51} = 76.5\%$$

River Name: <i>River Cam.</i>	Section Code: <i>CCAM 026</i>	Grid Refs: <i>TL 4811 6066</i> <i>TL 4822 6103</i>	Survey Date: <i>26-9-94</i>	Surveyor: <i>DA HEATH</i>
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DATE: 26 September 1994

CODE: CCAM 026

Ecosurveys Ltd

CONDITIONS

Overcast and still. Surveyed from left bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- | | | |
|-----|--------------|--|
| i | Broad Nature | A wide, curving channel with a partly artificial bank. |
| ii | Dimensions | 20-25m wide; <u>0.5m</u> deep. |
| iii | Substrate | Silt. |
| iv | Bank Type | Low, vertical artificial left bank, 0.5m high; low earth right bank, 0.5m high with 60° slope. |

LAND USE

- | | |
|----|---|
| LS | Improved pasture, hedges and gravel path. |
| RS | Improved pasture, a garden and lawns. |

BANK VEGETATION

- | | |
|----|--|
| LB | The bank top has <i>Lolium perenne</i> , <i>Dactylis glomerata</i> , <i>Arrhenatherum elatius</i> and <i>Elymus repens</i> . |
| RB | Locally, overhanging trees and shrubs of <i>Salix alba</i> , <i>Salix fragilis</i> , <i>Rubus fruticosus</i> , <i>Fraxinus excelsior</i> , <i>Sambucus nigra</i> and <i>Salix</i> spp over <i>Lolium perenne</i> , <i>Urtica dioica</i> , <i>Anthriscus sylvestris</i> , <i>Dactylis glomerata</i> and <i>Epilobium hirsutum</i> (grazed in midsection). |

CHANNEL
VEGETATION

- | | |
|----|---|
| LS | Submerged areas of <i>Sparganium emersum</i> , <i>Ceratophyllum demersum</i> and <i>Callitriche</i> spp. |
| RS | Submerged <i>Ceratophyllum demersum</i> and <i>Sparganium emersum</i> with fringing <i>Glyceria maxima</i> , <i>Sparganium erectum</i> and <i>Carex riparia</i> upstream. |

FEATURES OF
INTEREST

Continuous line of tree and shrub cover on the left side is of value to wildlife.

THREATS

None.

FAUNA

None.

NUMBER OF SPECIES
RECORDED

41.

CCAM 026

SECTION CODE

26-9-14

DATES SURVEYED

J Attieath

SURVEYORS NAME

Asple	adi	87	Anmop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
	mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heber	hel
	rut	89	Anaga	arv	175	Calys	pul	262	Circ x	int	349		tet	438	Helia	rum
	tri	90		ten	176		sep	263		lut	350	Erige	ace	439	Helle	foe
	tri	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
	vir	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		sph
	fil	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
	spi	95	Anten	dio	181		rapunculo	268		hel	355		vag	444	Hiera	agg
	lun	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
	off	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
	cri	98	Antho	odo	184	Capse	bur	271	Clena	vit	358	Eryng	mar	447	Rippo	cha
	fra	99	Anthr	syl	185	Carda	ama	272	Clinu	vul	359	Erysi	che	448	Hippu	vul
	alp	100	Anthy	vul	186		fle	273	Cochl	ang	360	Eumy	eur	449	Holcu	lan
	aff	101	Aphan	*arv	187		hir	274		dan	361	Eupat	can	450		mol
	car	102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	peo
	dil	103		mic	189		pra	276		off	363		exi	452	Horde	mur
	fil	104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
	ore	105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
	arv	106		nod	192		nut	279	Coniu	mac	366		peplus	455	Hyaci	non
	flu	107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
	hye	108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
	palust	109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
	syl	110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
	tel	111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
	var	112		min	198		cur	285		squ	372		*ovina	461		hum
	dry	113		min	199		dem	286	Coryd	cla	373		pra	462		mac
	sel	114	Arena	*ser	200		dia	287		lut	374		*rubra	463		mon
	wil	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
	lac	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
	cla	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
	vul	118	Arthe	ela	204		ech	291	Crata	non	378	Filip	ulm	467	Hypoc	rad
	lim	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	agu
	reg	120		mar	206		ext	293	Crepi	bie	380	Poeni	vul	469	Impat	gla
	con	121		vul	207		flacca	294		cap	381	Fraga	ves	470		nol
	sco	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
	agg	123	Asper	cyn	209		hos	296		ves	383	Fraxi	exc	472	Inula	con
	cam	124	Ast*nov	b	210		lae	297	Crypt	jap	384	Fumar	mur	473	Iris	foe
	int	125		tri	211		las	298	Cynba	mur	385		off	474		pse
	vul	126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
	acu	127		gly	213		mur	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
	set	128	Atrip	gla	214		nig	301	Cytis	sco	388		spe	477	Junc	acuti
	agu	129		lac	215		otr	302	Dacty	glo	389		*tet	478		arc
	sel	130		lit	216		ova	303	Dacty	ruc	390		tet	479		*buf
	alb	131		pat	217		pal	304		inc	391	Galin	cil	480		buf
	gra	132		pro	218		panicea	305		mac	392		par	481		*bul
	pro	133	Atrop	bel	219		panicula	306		pra	393	Galiu	apa	482		bul
	cam	134	Avena	fat	220		pen	307		pur	394		cru	483		conгло
	via	135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		eff
	pse	136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
	mil	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
	pta	138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		koc
	arv	139	Barba	int	225		rip	312		fle	399		*pal	488		mar
	nap	140		ver	226		rostra	313	Desma	mar	400		pal	489		equ
	cal	141		vul	227		ser	314		rig	401		saxat	490		subnod
	mos	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
	pod	143	Berbe	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
	hip	144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	ela
	cyn	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
	eup	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	agg
	pro	147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
	*can	148	Biden	cer	234	Catab	agu	321	Draba	inc	408		cam	497	Lamia	gal
	can	149		tri	235	Centa	mon	322	Drose	int	409	Geran	col	498	Lamiu	alb
	cap	150	Black	per	236		nig	323		rot	410		dis	499		amp
	gig	151	Blyem	com	237		sca	324	Echui	vul	411		end	500		hyb
	sto	152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
	vin	153		syl	239		pul	326		mul	413		molle	502		pur
	car	154	Brass	nap	240	Centr	rub	327		palust	414		pha	503	Lapsa	com
	pra	155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
	rep	156		rap	242		dif	329		uni	416		pus	505		x
	agg	157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		kae
	fil	158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	squ
	fil	159		ere	245		sem	332		nut	419		san	508	Lathy	mon
	veg	160		hor	246		com	333	Elymu	can	420		syl	509		pra
	gla	161		ram	247	Chaen	min	334		far	421	Geum x	int	510		syl
	xan	162		ste	248	Chaer	tem	335		pyc	422		riv	511	Lemna	gib
	pla	163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		minor
	pet	164	Buddl	dav	250	Chame	ang	337	Empet	nig	424	Glauc	fla	513		pol
	ole	165	Butom	umb	251	Cheli	naj	338	Epilo	bru	425	Glaux	mar	514		tri
	sco	166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	aut
	urs	167		can	253		hon	340		hir	427	Glyce	dec	516		his
	vfn	168		epi	254	Chene	mur	341		montan	428		flu	517		tar
	glu	169	Calli	agg	255		pol	342		obs	429		max	518	Lepid	car
	aeq	170		han	256		rub	343		pal	430		x ped	519		het
	gen	171		obt	257	Chrys	seg	344		par	431		pli	520		ruk
	myo	172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	vul
	pra				259		opp	346		tet	433		uli	522	Leymu	ari
											434	Groen	den			
											435	Gymna	con			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	701	Rumex	*ace*	868	Solid	can	955	Valer	dio
524		vul	613	Oenan	agu	695		ber	782		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	783		acetosa	870		vir	957	Valer	loc
526	Limon	vul	615		fis	697		gra	784		con	871	Sonch	arv	958	Verba	nig
527	Linar	pur	616		lac	698		luc	785		crispus	872		asp	959		than
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ole	960	Verbe	off
529		vul	618		ery	700		obt	787		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	788		obt	875		auc	962		ana
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		arv
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	ang	964		bec
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		ene	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	879		ere	966		chamae
535	Lolliu	mul	624	Orchi	mas	706		ans	793		ape	880		min	967		fil
536		per	625		mor	707		arg	794		mar	881	Spart	ang	968		hed
537	Lonic	per	626	Origa	vul	708		erecta	795		nod	882	Sperg	arv	969	hed	hed
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mari	970	hed	luc
539		uli	628	Ornit	per	710		rep	797	Sagitt	bag	884		med	971		mon
540	Lunar	ann	629	Oxali	ace	711		ste	798	Salic	agg	885		rub	972		off
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	Salix	alb	886	Spira	agg	973		persic
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		pol
543		mul	632		rho	714		vul	801		cap	888		x	975		scu
544		pil	633		som	715		vu x ve	802		cin	889		off	976		ser
545		syl	634	Parap	str	716	Prune	vul	803		fra	890		pal	977	Vibur	lan
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		syl	978		op
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	als	979	Vicia	cra
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hir
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		lat
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri	895		*med	982	sat	nig
551		num	640		syl	722		spi	809		vim	896		med	983	sat	sat
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	kal	897		neg	984		sep
553		vul	642	Betas	alb	724	Pucci	dis	811	Sanbu	ebu	898		nem	985		l
554	Lythr	por	643		fra	725		mar	812		nig	899	Suaed	mar	986		
555		sal	644		hyb	726	Pulic	dys	813	Samol	val	900	Succi	pra	987	Vinca	mar
556	Mahon	agu	645	Phala	aru	727	Pulmo	off	814	Sangu	min	901	Symph	riv	988		mi
557	Malus	syl	646		can	728	Pyrol	min	815		off	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903		x	990		can
559		neg	648		pra	730	Querc	cer	817	Sapon	off	904	Syrin	vul	991		hi
560		syl	649		ber	731		ile	818	Saxif	gra	905	Tanac	com	992		lu
561	Marcu	vul	650		pra	732		pet	819		hyp	906	Tanac	par	993		odora
562	Matri	mat	651	Phrag	aus	733		rob	820		ste	907		vul	994		pal
563		rec	652	Picea	abi	734	Ranun	acr	821		tri	908	Tarax	agg	995		rei
564	Mecon	cam	653		sit	735		*agu	822	spa x	umb	909	Taxus	bac	996		ri
565	Medic	ara	654	Picri	ech	736		agu	823	Scabi	col	910	Teu	scoro	997		tri
566		lup	655		hie	737		aur	824	Schoe	lac	911	Thali	fla	998	Viscu	alb
567	sat	sat	656	Pimpi	maj	738		bulbo	825		tab	912		min	999	Vulpf	bro
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		my
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pli	1001	Wahle	he
570		uni	659	Pinus	con	741		fic	828		syl	915	Thym	pra	1002	Zanni	pa
571	Melil	alb	660		nig	742		fic	829	Scler	ann	916	Tilia	cor	1003	Popul	nig
572		alt	661		syl	743		fla	830	Scrop	aur	917		x	1004	Tilia	pla
573		off	662	Plant	cor	744		hed	831		nod	918	Toril	jap	1005	Cerat	de
574	Menth	agu	663		lan	745		lingua	832		umb	919		nod	1006	Anara	re
575		arv	664		maj	746		omi	833	Scute	gal	920	Trago	pra	1007	Salix	ag
576	x	pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	flu
577	x	ver	666		med	748		pen	835	Sedum	acr	922	Trifo	arv	1009	Poa	angus
578	x	vil	667	Plata	bif	749		repens	836		alb	923		cam	1010	Helia	ri
579	Menya	tri	668		chl	750		sce	837		ang	924		dub	1011	Helia	
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	Anthe	
581	Miliu	eff	670		com	752	Rapha	rap	839	rosea		926		hyb	1013	Oenot	str
582	Mimul	agg	671		nemor	753	Rased	lut	840		tel	927		medium	1014	Galii	spa
583	Moehr	tri	672		*pra	754		luteola	841	Senpe	tec	928		mic	1015	Galii	pu
584	Molin	cae	673		pra	755	Reyno	jap	842	Senec	agu	929		pra	1016	Bromu	ad
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	spi
586		fer	675		tri	757	Rhamn	cat	844		jac	931	Trigl	mar	1018	Anthr	cau
587		sib	676	Polyg	ser	758	Rhin	*min	845		squ	932		pal	1019	Chara	agg
588	Mycel	mur	677		vul	759	Rhodo	pon	846		syl	933	Tripl	ino	1020	Stell	pa
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vis	934		mar	1021	Hotto	pa
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	lan
591		lax	680		are	762		nig	849	vul f	lig	936	Trit x	cro	1023	Anchu	off
592		ram	681		*avi	763		rub	850	vul f	vul	937	Troll	eur	1024	Calli	ph
593		scorp	682		avi	764		san	851	Serra	tin	938	Tsuga	het	1025	Calli	he
594		sec	683		bis	765		uva	852	Sesle	alb	939	Tuss	far	1026	Isati	ti
595		syl	684		hydro	766	Rorip	amp	853	Shera	arv	940	Typha	ang	1027	Atrip	sab
596	Myoso	agu	685		lap	767		pal	854	Silau	sil	941		lat	1028	Rumex	pal
597	Myric	gal	686		minus	768		syl	855	Silen	alba	942	Ulex	eur	1029	Bromu	l
598	Myrio	alt	687		oxy	769	Rosa	agg	856		dio	943		gal	1030	Ulmus	ca
599		spi	688		per	770		arv	857		mar	944	Ulmus	gla	1031	Fontin	ag
600	Myrrh	odo	689		poly	771		can	858		vul	945		pro	1032	Calam	syl
601	Narci	pse	690	Popul	alb	772		pim	859	Silyb	mar	946	Umbil	rup	1033	Azo	filic
602	Nardu	str	691		x canad	773		*rub	860	Sinap	alb	947	Urtic	dit	1034	Potam	t
603	Narth	oss	692		x canes	774		rugosa	861		arv	948		uce			
604	Nastu	mic	693		tre	775		*tom	862	Sison	amo	949	Utric	aus			
605		*off				776	Rubus	cae	863	Sisym	off	950		min			
606		off				777		cham	864		ori	951		vul			
607		x m				778		*flu	865	Sium	lat	952	Vacci	myr			
608	Neott	nid				779		lda	866	Solan	dul	953		oxy			
609	Nepet	cat				780		sax	867		nig	954		vit			
610	Nupha	luc															
611	Nymph	alb															

Malus domestica R

Total Number species Recorded: 41

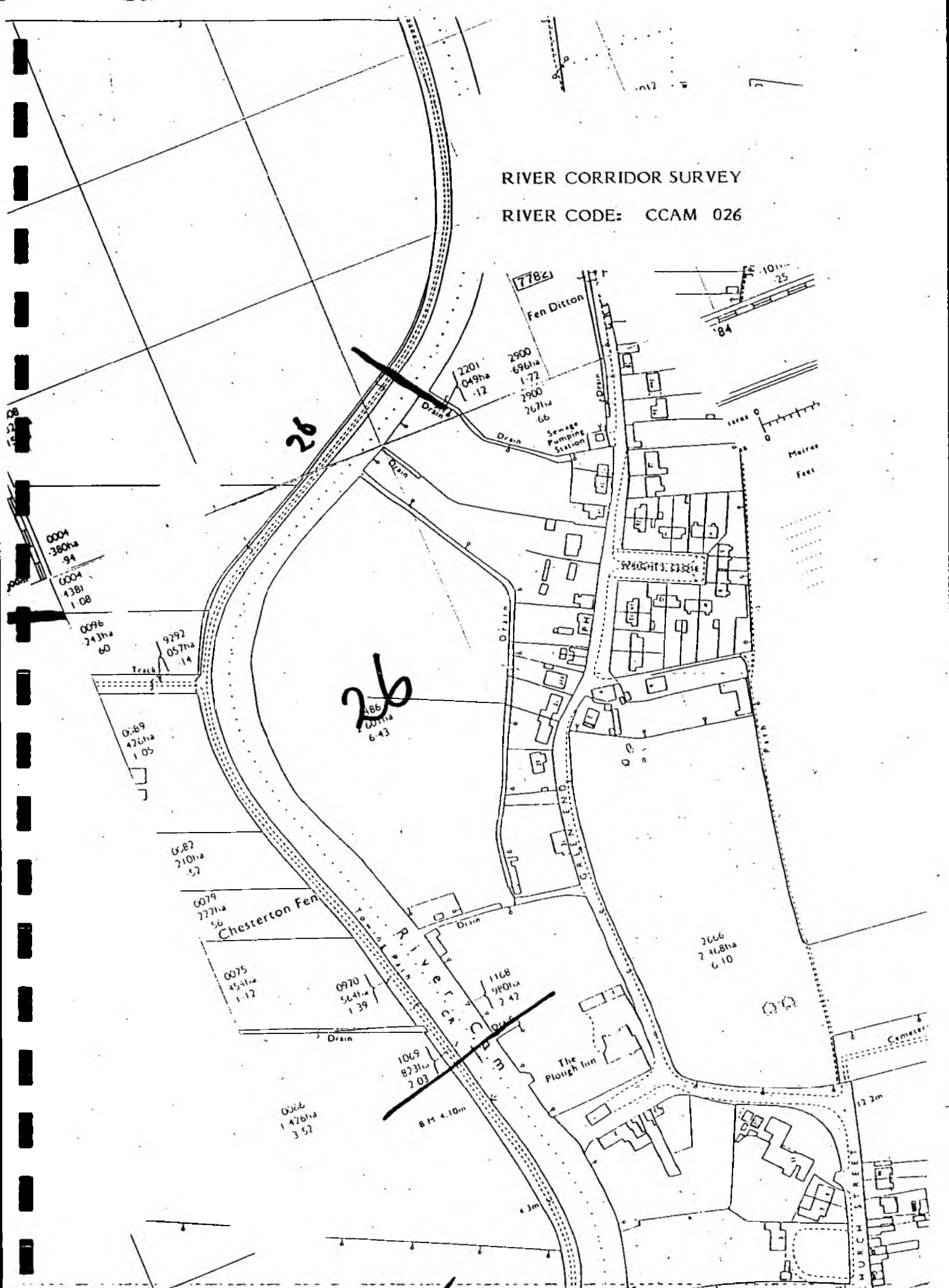
Physical and Habitat Data

River Section No: CCAM 026 Date: 26/9/94

	Feature	Section Data	Input
1	Riffles		0
2	Pools		0
3	Cliffs		0
4	Berms		0
5	Meanders		0
6	Riparian Strip Left Bank - % Length	100 %	D
7	Riparian Strip Right Bank - % Length	90 100 %	D
8	Trapezoidal Channel	(Y)/N	Y
9	Land Use - Left Bank	A.G.W.S.H.I.L.SG.(Q).RG	IG
10	Land Use - Right Bank	A.G.W.S.H.I.L.SG.(Q).RG	IG
11	Trees - Dense	L/R	D
12	Trees - Scattered	(L/R)	u
13	Scrub - Dense	L/R	D
14	Scrub - Scattered	L/R	u
15	Emergent Fringe - Left Bank % Length	0 %	Y
	Emergent Fringe - Right Bank % Length	25%	

RIVER CORRIDOR SURVEY

RIVER CODE: CCAM 026



Section Code: CCAM026



Photograph Number: /

Ecosurveys Ltd

RIVER CORRIDOR QUALITY CONTROL

River Cam
Section CCAN 027
Auditor B. TranterCHECK LIST

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Adequate - no floating leaf (?) symbol used for Najas plus more detail of distribution within the channel would be useful.

Flow and current features

Poor (?) - no indication of flow/current features on map apart from slow rate. Not mentioned in text.

Substrate and physical features

Good - recorded on map and in text.

MARGINAL ZONE

Plant communities

Good - marginal fringe to RB well recorded.

Substrate and Physical features

Good - but little to record.

BANK ZONE

CCAN 027

Trees

Adequate - some inaccuracies in tree/shrub recording - No mention of pollards.

Other plant communities

Poor - little information on map of major bank communities but recorded in text.

Physical features

~~Adequate~~ - uniform banks with little to record. But LB height uniform. RR much more variable - not recorded on map or adequately in text.

ADJACENT LAND USE

Land use

Adequate - no indication on map whether grassland is grazed, silage, hay, etc.

Habitat types

Good - limited habitat to record (but no mention of vegetation in drain to LB).

3. CROSS SECTIONS

Width of water filled channel



Depth of water



Water level relative to top of bank



Bank height



Flood bank width



width



height



slope



landuse



4. SUMMARY DESCRIPTION

Conditions



Typical features

Adequate - too brief

Marginal Vegetation LB & RB

Good - little to record

Banks LB & RB

Good - well described (but pollards to be not mentioned).

Adjacent landuse LB & RB

Adequate - no mention of pollarded willows to the LB but recorded on map (though should have been recorded as requiring pollarding).

Fauna

Good

Recreation

Good - path to LB noted

Existing Management

Good - grazing to be noted.

Threats

Good

Suggested habitat improvement

Poor -

None suggested - though pollarded willows in need of management.

6. GENERAL NOTES AND ASSESSMENT

Every section adequately surveyed.

$$\text{Score } \frac{39}{51} = 76.5\%$$

DATE: 26 September 1994

CODE: CCAM 027

Ecosurveys Ltd

CONDITIONS

Overcast and still. Surveyed from left bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- | | | |
|-----|--------------|---|
| i | Broad nature | A wide, gently curving channel with partly artificial banks. |
| ii | Dimensions | 20m wide; 2m deep. |
| iii | Substrate | Silt. |
| iv | Bank type | Both banks are earth with low, vertical artificial banks, 0.5-2m high. The left bank is flat above the vertical artificial face; the right bank has a slope of 65°. |

LAND USE

- | | |
|----|-------------------------------------|
| LS | Improved pasture and a gravel path. |
| RS | Improved pasture. |

BANK
VEGETATION

- | | |
|----|---|
| LB | The bank top has <i>Lolium perenne</i> , <i>Dactylis glomerata</i> , <i>Arrhenatherum elatius</i> and <i>Elymus repens</i> . |
| RB | Upstream, there is grazed <i>Lolium perenne</i> , <i>Elymus repens</i> , <i>Urtica dioica</i> and <i>Arrhenatherum elatius</i> with scattered <i>Crataegus monogyna</i> and <i>Salix alba</i> scrub. In midsection there is dense overhanging <i>Salix alba</i> , <i>Salix fragilis</i> , <i>Crataegus monogyna</i> , <i>Rubus fruticosus</i> , <i>Fraxinus excelsior</i> and <i>Sambucus nigra</i> over tall <i>Arrhenatherum elatius</i> , <i>Urtica dioica</i> and <i>Epilobium hirsutum</i> . Downstream the low bank has grazed <i>Lolium perenne</i> , <i>Dactylis glomerata</i> and <i>Arrhenatherum elatius</i> with <i>Glyceria maxima</i> and <i>Carex riparia</i> encroaching from the channel, and scattered cover of <i>Salix alba</i> , <i>Crataegus monogyna</i> and <i>Rubus fruticosus</i> . |

CHANNEL
VEGETATION

- | | |
|----|--|
| LS | Frequent submerged colonies of <i>Ceratophyllum demersum</i> , <i>Nuphar lutea</i> and <i>Sparganium emersum</i> . |
| RS | Localised fringing colonies of <i>Glyceria maxima</i> , <i>Sparganium erectum</i> , <i>Carex riparia</i> and <i>Phalaris arundinacea</i> with frequent submerged <i>Ceratophyllum demersum</i> , <i>Nuphar lutea</i> and <i>Sparganium emersum</i> . |

FEATURES OF
INTEREST

The continuous line of parallel tree and shrub cover on the left side is of value to wildlife.

THREATS

None.

FAUNA

None.

NUMBER OF SPECIES
RECORDED

39.

CCAM 027

SECTION CODE

26-9-94

DATES SURVEYED

D. H. C. K.

SURVEYORS NAME

1	Asple	adi	87	Annop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	gar
2		mar	88	Anaca	pyr	174	Calch	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
3		rut	89	Anaga	arv	175	Calys	pul	262	Circ	x int	349		tet	438	Helia	rum
4		tri	90		ten	176		Scp	263		lut	350	Erige	ace	439	Helle	foe
5	tri	qua	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
6	tri	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
7		vir	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		sph
8	Athyr	fil	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
9	Blech	spi	95	Anten	dio	181		rapunculo	268		hel	355		vag	444	Hiera	agg
10	Botry	lun	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
11	Ceter	off	97		cot	183		tra	270		pul	357	Eroph	ver	446	Hippo	com
12	Crypt	cri	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Rippo	rha
13	Cysto	fra	99	Anthr	syl	185	Carda	ama	272	Clino	vul	359	Erysi	che	448	Hippu	vul
14	Dipha	alp	100	Anthy	vul	186		fle	273	Cochl	ang	360	Eucory	eur	449	Holcu	lan
15	Dryop	aff	101	Aphan	arv	187		hir	274		dan	361	Eupat	can	450		mol
16		car	102		arv	188		imp	275		off	362	Eupho	amy	451	Honke	pep
17		dil	103		mic	189		pra	276		off	363		exi	452	Horde	mur
18		fil	104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
19		ore	105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
20	Equis	arv	106		nod	192		nut	279	Coniu	mac	366		peplus	455	Hyaci	non
21		flu	107	Aguil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	egg	456	Hydro	vul
22		hye	108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23	palust		109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	com	458	Hyper	and
24		syl	110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
25		tel	111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
26		var	112		min	198		cur	285		sgu	372		*ovina	461		hum
27	Gymno	dry	113		min	199		dem	286	Coryd	cla	373		pra	462		mac
28	er	sel	114	Arena	*ser	200		dia	287		lut	374		*rubra	463		mon
29	nymen	wil	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
30	Isoet	lac	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
31	Lycop	cla	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
32	Ophio	vul	118	Arrhe	ela	204		ech	291	Erata	mon	378	Flilip	ula	467	Hypoc	rad
33	Oreop	lim	119	Artem	abs	205		ela	292		ide	379		vul	468	Ilex	agu
34	Osmun	reg	120		mar	206		ext	293	Crepi	bie	380	Foeni	vul	469	Impat	gla
35	Phego	con	121		vul	207		flacca	294		cap	381	Fraga	ves	470		mol
36	Phyll	sco	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
37	Polyp	agg	123	Asper	cyn	209		hos	296		ves	383	Fraxi	exc	472	Inula	con
38		cam	124	Ast*nov-b		210		lae	297	Crypt	jap	384	Fumar	mur	473	Iris	foe
39		int	125		tri	211		las	298	Cymba	mur	385		off	474		pse
40		vul	126	Astra	dan	212		lep	299	Cymog	off	386	Galan	niv	475	Isole	set
41	Polys	acu	127		gly	213	mur	laq	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42		set	128	Atrip	gla	214		nig	301	Cytis	ago	388		spe	477	Junc	acuti
43	Pterid	ago	129		lac	215		otr	302	Dacty	glo	389		*tet	478		art
44	Selag	sel	130		lit	216		ova	303	Dacty	fuc	390		tet	479		*buf
45	Abies	alb	131		pat	217		pal	304		inc	391	Galini	cil	480		buf
46		gra	132		pro	218		panicea	305		mac	392		par	481		*bul
47		pro	133	Atrop	bel	219		panicula	306		pra	393	Galii	apa	482		bul
48	Acer	cam	134	Avena	fat	220		pen	307		pur	394		cru	483		conglo
49		pis	135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		eff
50		pse	136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
51	Achil	mil	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
52		pta	138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		koc
53	Acino	arv	139	Barba	int	225		rip	312		fle	399		*pal	488		mar
54	Aconi	nap	140		ver	226		rostra	313	Desma	mar	400		pal	489		sku
55	Acoru	cal	141		vul	227		ser	314		rig	401		saxat	490		subnod
56	Adoxa	mos	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
57	Aegop	pod	143	Berbe	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
58	Aescu	hip	144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	ela
59	Aethru	cyn	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
60	Agrim	eup	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	agg
61		pro	147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
62	Agros	*can	148	Biden	cer	234	Catab	agu	321	Draba	inc	408		cam	497	Lamia	gal
63		can	149		tri	235	Centa	mon	322	Drosc	int	409	Geran	col	498	Lamiu	alb
64		cap	150	Black	per	236		nig	323		rot	410		dis	499		amp
65		gig	151	Blysm	com	237		sca	324	Echiu	vul	411		end	500		hyb
66		sto	152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
67		vin	153		syl	239		pul	326		mul	413		molle	502		pur
68	Aiza	car	154	Brass	nup	240	Centr	rub	327		palust	414		pha	503	Lapsa	com
69		pra	155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
70	Ajuga	rep	156		rap	242		dif	329		uni	416		pus	505		x
71	Alche	agg	157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		kze
72		fil	158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	sku
73		fil	159		era	245		sem	332		nut	419		san	508	Lathy	mon
74		ves	160		hor	246		com	333	Elymu	can	420		syl	509		pra
75		xan	161		ram	247	Chaen	min	334		far	421	Geum	x int	510		syl
76	Alism	pla	162		ste	248	Chaer	tem	335		pyr	422		riv	511	Lenna	gib
77	Allia	pet	163	Bryon	dio	249	Chama	law	336		tep	423		urb	512		minor
78	Alliu	ole	164	Buddl	dav	250	Chame	ang	337	Empet	nig	424	Glauc	fia	513		pol
79		sco	165	Butom	umb	251	Cheli	maj	338	Epilo	bru	425	Glaux	mar	514		tri
80		urs	166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	aut
81		vfn	167	Cala	can	253		bon	340		hir	427	Glyce	dec	516		his
82	Alnus	glu	168		epi	254	Chene	mur	341		montan	428		flu	517		tar
83	Alope	aeq	169	Calli	agg	255		pol	342		obs	429		ped	518	Lepid	car
84		gen	170		nan	256		rub	343		pal	430		x pad	519		het
85		myo	171		obt	257	Chrys	seg	344		par	431		pli	520		rud
86		pra	172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	vul
						259		opp	346		tet	433		uli	522	Leymu	are
												434	Groen	den			
												435	Gymna	con			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	701	Rumex	*ace*	868	Solid	can	955	Valer	dio
524		vul	613	Oenan	agu	695		ber	702		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	783		acetosa	870		vir	957	Valer	loc
526	Limon	vul	615		fis	697		gra	784		con	871	<u>Sonch</u>	arv	958	Verba	nig
527	Linar	pur	616		lac	698		luc	785		crispus	872		asp	959		thad
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ole	960	Verbe	off
529		vul	618		ery	700		obt	787		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	788		obt	875		auc	962		ana
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		arv
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	ang	964		bec
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		ene	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	879		ere	966		chamae
535	Loliu	mul	624	Orchi	mas	706		ans	793		ape	880		min	967		fil
536		per	625		mor	707		arg	794		mar	881	Spart	ang	968		hed
537	Lonic	per	626	Origa	vul	708		erecta	795		nod	882	Sperg	arv	969	hed	hed
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mari	970	hed	luc
539		uli	628	Ornit	per	710		rep	797	<u>Sagit</u>	sag	884		med	971		mon
540	Lunar	ann	629	Oxali	ace	711		ste	798	<u>Salic</u>	agg	885		rub	972		off
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	<u>Salix</u>	alb	886	Spira	agg	973		persic
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		pol
543		mul	632		rho	714		vul	801		cap	888		x amb	975		scu
544		pil	633		som	715		vu x ve	802		ole	889		off	976		sed
545		syl	634	Parap	str	716	Prune	vul	803		fra	890		pal	977	Vibur	lar
546	Lychn	flo	635	Parle	jud	717	Prunu	avi	804		pen	891		syl	978		opt
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	als	979	Vicia	cra
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hic
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		lat
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri	895		*med	982	sat	nig
551		num	640		syl	722		spi	809		vim	896		med	983	sat	sat
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	kal	897		neg	984		op
553		vul	642	Betas	alb	724	Pucci	dis	811	Sambu	ebu	898		nem	985		tee
554	Lythr	por	643		fra	725		mar	812		nig	899	Suaed	mar	986		tee
555		sal	644		hyb	726	Pulic	dys	813	Samol	val	900	Succi	pra	987	Vinca	ma
556	Mahon	agu	645	<u>Phala</u>	aru	727	Pulmo	off	814	Sangu	min	901	Symph	riv	988		min
557	Malus	syl	646		can	728	Pyrol	min	815		off	902	<u>Symph</u>	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903		x upl	990		can
559		neg	648		pra	730	Querc	cer	817	Sapon	off	904	Syrin	vul	991		hi
560		syl	649		ber	731		ile	818	Saxif	gra	905	Tamus	com	992		luc
561	Marru	vul	650		pra	732		pet	819		hyp	906	Tanac	par	993		odorat
562	Matri	mat	651	Phrag	aus	733		rob	820		ste	907		vul	994		pal
563		rec	652	Picea	abi	734	Ranun	acr	821		tri	908	Tarax	agg	995		re
564	Mecon	cam	653		sit	735		*agu	822	spa x	umb	909	Taxus	bac	996		ri
565	Medic	ara	654	Picri	ech	736		agu	823	Scabi	col	910	Teu	score	997		tri
566		lup	655		hie	737		aur	824	Schoe	lac	911	Thali	fla	998	Viscu	alb
567	sat	sat	656	Pimpi	maj	738		bulbo	825		tab	912		min	999	Vulpf	bro
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		my
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pli	1001	Wahle	hed
570		uni	659	Pinus	con	741		fic bul	828		syl	915	Thymu	pra	1002	Zanni	pal
571	Melli	alb	660		nig	742		fic fic	829	Scler	ann	916	Tilia	cor	1003	Popul	nig
572		alt	661		syl	743		fla	830	Scrop	aur	917		x vul	1004	Tilia	pla
573		off	662	Plant	cor	744		hed	831		nod	918	Toril	jap	1005	<u>Cerat</u>	de
574	Menth	agu	663		lan	745		lingua	832		umb	919		nod	1006	Amara	re
575		arv	664		<u>maj</u>	746		omi	833	Scute	gal	920	Trago	pra	1007	Salix	agg
576	x	pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	flu
577	x	ver	666		med	748		pen	835	Sedum	acr	922	Trifo	arv	1009	Poa	angu
578	x	vil	667	Plata	bif	749		repens	836		alb	923		cam	1010	Helia	ri
579	Menya	tri	668		chl	750		sce	837		ang	924		dub	1011	Helia	ri
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	Anthe	cin
581	Milliu	eff	670		com	752	Rapha	rap	839		rosea	926		hyb	1013	Oenot	str
582	Minul	agg	671		nemor	753	Resed	lut	840		tel	927		medium	1014	Galiu	sp
583	Moehr	tri	672		*pra	754		luteola	841	Serpe	tec	928		mic	1015	Galiu	pu
584	Molin	cae	673		pra	755	Reyno	jap	842	Senec	agu	929		pra	1016	Bromu	arv
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	spi
586		per	675		tri	757	Rhamn	cat	844		jac	931	Trigl	mar	1018	Anthr	can
587		sib	676	Polyg	ser	758	Rhin	*min	845		agu	932		pal	1019	Chara	ag
588	Mycel	mur	677		vul	759	Rhodo	pon	846		syl	933	Tripl	ino	1020	Stell	pa
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vis	934		mar	1021	Hotto	par
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	lan
591		lax	680		are	762		nig	849	vul f	lig	936	Trit x	cro	1023	Anchu	off
592		ram	681		*avi	763		rub	850	vul f	vul	937	Troll	eur	1024	Calli	pa
593		scorp	682		avi	764		san	851	Serra	tin	938	Tauga	het	1025	Calli	he
594		sec	683		bis	765		uva	852	Sesle	alb	939	<u>Russi</u>	far	1026	Isati	tin
595		syl	684		hydro	766	Rorip	amp	853	Shera	arv	940		ang	1027	Atrip	sab
596	Myoso	agu	685		lap	767		pal	854	Silau	sil	941		lat	1028	Rumex	pa
597	Myric	gal	686		minus	768		syl	855	Silen	alba	942	Ulex	eur	1029	Bromu	le
598	Myrio	alt	687		oxy	769	Rosa	agg	856		dio	943		gal	1030	Ulmus	ca
599		spi	688		per	770		arv	857		mar	944		gla	1031	Fontin	agg
600	Myrrh	odo	689		poly	771		*can	858		vul	945		pro	1032	Calam	syl
601	Narci	pse	690	Popul	alb	772		plm	859	Silyb	mar	946	Umbil	rup	1033	Azo	fil
602	Nardu	str	691		x canad	773		*rub	860	Sinap	alb	947	<u>Urtic</u>	dio	1034	Potam	t
603	Narth	oss	692		x canes	774		rugosa	861		arv	948		ure			
604	Nastu	mic	693		tre	775		*tom	862	Sison	amo	949	Utric	aus			
605		off				776	Rubus	cae	863	Sisym	off	950		min			
606		off				777		cham	864		ori	951		vul			
607		x m				778		*fru	865	Sium	lat	952	Vacci	myr			
608	Neott	nid				779		ids	866	<u>Solan</u>	dut	953		oxy			
609	Nepet	cat				780		sax	867		nig	954		vit			
610	<u>Nupha</u>	lut															
611	Nymph	alb															

Physical and Habitat Data

River Section No: CCAM 027 Date: 26/9/94

	Feature	Section Data	Input
1	Riffles	0	0
2	Pools	0	0
3	Cliffs	0	0
4	Berms	0	0
5	Meanders	0	0
6	Riparian Strip Left Bank - % Length	100%	D
7	Riparian Strip Right Bank - % Length	70%	C
8	Trapezoidal Channel	Y(N)	N
9	Land Use - Left Bank	A.G.W.S.H.I.L.SG.(G).RG	IG
10	Land Use - Right Bank	A.G.W.S.H.I.L.SG.(G).RG	IG
11	Trees - Dense	L/R	D
12	Trees - Scattered	(L/R)	u
13	Scrub - Dense	L/R	D
14	Scrub - Scattered	(L/R)	u
15	Emergent Fringe - Left Bank % Length	0%	Y
	Emergent Fringe - Right Bank % Length	25%	

DGE

M.B. & Boro Const Bdy
Co Const & RD Bdy

1953
567ha
1-40

2159
166ha
-41

2855
2-871ha
7-09

3750
1-243ha
3-07

4445
4-167ha
10-30

5848
851ha
2-10

5538
093ha
-23

5036
887ha
2-19

Chesterton Fen

RIVER CORRIDOR SURVEY
RIVER CODE: CCAM 027

21
0ha
-95

3130
534ha
1-32

Red House
Close

3621
1-094ha
2-70

4012
486ha
1-20

4707
275ha
-68

3903
672ha
1-66

4500
101ha
-25

7782

Fen Ditton

2201
049ha
-12

2900
696ha
1-72

FEN DITTON C P

MILTON

0008
6-325ha
15-63

0004
380ha
-94

Hectares 0
Acres 0
Met
Fe

BH
BM
BP
BS

DATA

1956.62
1971

27

26

Section Code: CCAT102



Photograph Number: \

Ecosurveys Ltd

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River . . . Cam
Section . . . CCAM 028
Auditor . . . P. COLLINS

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Good - well recorded

Flow and current
features

Good - on maps + recorded in description.

Substrate and physical
features

Good on maps + recorded in description

MARGINAL ZONE

Plant communities

Good - well recorded

Substrate and Physical features

Good - well recorded

BANK ZONE

Trees

Poor - Pollards to LB recorded symbolically not accurately. Scrub omitted. RB scrub symbols not accurate + uses wrong symbol.

Other plant communities

Poor - no species information given on maps for banks. Emergent vegetation on bank d/s not recorded.

Physical features

Gravel - well recorded

ADJACENT LAND USE

Land use

Adequate - flora to LB ditch not recorded. RB ditch to channel omitted. RB footpath omitted - brackets frequently omitted.

Habitat types

Good - little to record.

3. CROSS SECTIONS

Width of water filled channel



Depth of water



Water level relative to top of bank



Bank height



Flood bank width

N/A

width



height

N/A

slope



landuse

X

Good -

4. SUMMARY DESCRIPTION

Conditions



Typical features

Adequate - very brief

Marginal Vegetation LB & RB

Good.

Banks LB & RB

Poor. - no mention of artificial bank nor of variability in slope
no mention of Salix pollards to left bank top here or in adjacent.

Adjacent landuse LB & RB

Good -

Fauna

Good - none recorded

Recreation

Poor - footpath to RB not recorded

Existing Management

Poor - none given though L bank clearly mown.

Threats

Good - none

Suggested habitat improvement

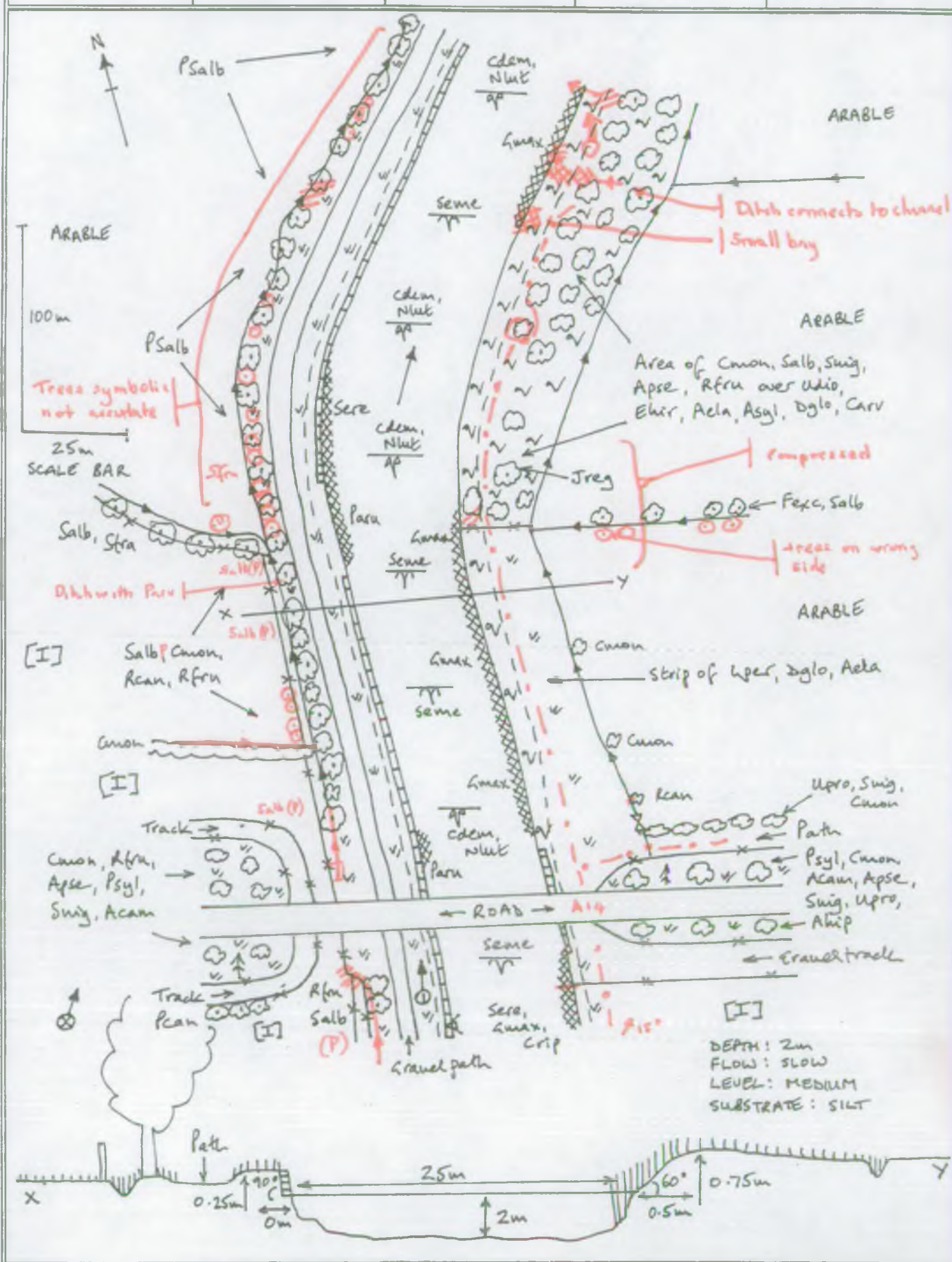
Poor - LB Salix need pollarding.

6. GENERAL NOTES AND ASSESSMENT

Generally good, though right bank is compressed in mid section + poorly recorded downstream. Salix pollards of great wildlife + landscape significance to R LB are largely ignored.

$$\frac{37}{51} = 73\%$$

River Name: CAM	Section Code: CCAM 028	Grid Refs: TL4835 615/ TL4850 6196	Survey Date: 27-9-94	Surveyor: DA HEATH.
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DATE: 27 September 1994

CODE: CCAM 028

Ecosurveys Ltd

CONDITIONS

Overcast and cool. Surveyed from left bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- i Broad nature A wide, gently curving channel with partly artificial banks.
- ii Dimensions 20-25m wide; 2m deep.
- iii Substrate Silt.
- iv Bank type LB Low, vertical and 0.25m high. - no mention of artificial
RB Earth, 0.75m high with 60° slope. - some areas are 15°
and much lower

LAND USE

- LS Improved pasture, a road, arable and a path.
- RS Improved pasture, a gravel track, a road and arable.

BANK VEGETATION

- LB The bank top has *Lolium perenne*, *Urtica dioica*, *Arrhenatherum elatius*, *Elymus repens* and *Dactylis glomerata*. - no mention of P Salix - no abundances
- RB At the upstream end there is grazed *Lolium perenne*, *Dactylis glomerata* and encroaching *Glyceria maxima* and *Carex riparia* from the fringes of the channel. In midsection there is tall *Urtica dioica*, *Lolium perenne*, *Arrhenatherum elatius*, *Dactylis glomerata*, *Epilobium hirsutum* and *Glyceria maxima*. Downstream the bank has tall *Anthriscus sylvestris*, *Cirsium arvense*, *Dactylis glomerata*, *Epilobium hirsutum*, *Arrhenatherum elatius* and *Urtica dioica* with occasional *Rubus fruticosus*.

CHANNEL VEGETATION

- LS Isolated fringing patches of *Phalaris arundinacea* and *Sparganium erectum* with frequent submerged *Sparganium emersum*, *Ceratophyllum demersum* and *Nuphar lutea*.
no dominance given - abundances
- RS Extensive fringes of *Sparganium erectum*, *Glyceria maxima* and *Carex riparia* with frequent submerged *Sparganium emersum*, *Glyceria maxima* and *Ceratophyllum demersum*.

FEATURES OF INTEREST

The line of tree and shrub cover to the left side of the channel is of value to wildlife, as is the area of scrub and tall herbs on the right side downstream.

THREATS

None. No mention of P Salix - no valuable
(P) salix need pollarding

FAUNA

None.

NUMBER OF SPECIES RECORDED

49.

CCAM 028

SECTION CODE

27-7-74

DATES SURVEYED

3A tteath

SURVEYORS NAME

Asple	adi	87	Annop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
	mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
3	rut	89	Anaga	arv	175	Calys	pul	262	Circ x	int	349		tet	438	Helia	rum
4	tri	90		ten	176		scop	263		lut	350	Erige	ace	439	Helle	foe
	tri	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
	vir	93	Anemo	nem	179	Campe	glo	266		dis	353	Eriop	ang	442		oph
8	Athyr	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
	Blech	95	Anten	dio	181		rapunculo	268		hel	355		vag	444	Hiera	agg
	Botry	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
	Ceter	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
12	Crypt	98	Antho	odo	184	Capse	bur	271	Clena	vit	358	Eryng	mar	447	Hippo	cha
13	Cysto	99	Anthr	syl	185	Carda	ama	272	Clinu	vul	359	Erysi	che	448	Hippu	vul
	Dipha	100	Anthy	vul	186		fle	273	Cochl	ang	360	Eucory	eur	449	Holcu	lan
	Dryop	101	Aphan	arv	187		hir	274		dan	361	Eupat	can	450		mol
		102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	pen
17		103		mic	189		pra	276		off	363		exi	452	Horde	mur
18		104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
		105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
	Equis	106		nod	192		nut	279	Conop	mac	366	peplus		455	Hyaci	non
		107	Aquil	vul	193	Carex	acuta	280	Coniu	maj	367	Euphr	agg	456	Hydro	vul
22		108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23	palust	109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
		110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
5		111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
6		112	min	min	198		cur	285		sqv	372	*ovina		461		hum
27	Gymno	113	min	nem	199		dem	286	Coryd	cla	373		pra	462		mac
28	per	114	Arena	*ser	200		dia	287		lut	374	*rubra		463		mon
29	Hymen	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
30	Isoet	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
31	Lycop	117	Armer	rus	203		disticha	290		sim	377		vul	466		tet
32	Ophio	118	Arrhe	ela	204		ech	291	Crata	mon	378	Filip	ulm	467	Hypoc	rad
33	Oreop	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	agu
34	Osmun	120		mar	206		ext	293	Crepi	bie	380	Foeni	vul	469	Impat	gla
35	Phego	121		vul	207		flacca	294		cap	381	Fraga	ves	470		nol
36	Phyll	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
37	Polyp	123	Asper	cyn	209		hos	296		ves	383	Fraxi	exc	472	Inula	con
38		124	Ast*nov	b	210		lae	297	Crypt	jap	384	Fumar	mur	473	Iris	foe
39		125		tri	211		las	298	Cymba	mur	385		off	474		pse
40		126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
41	Polys	127		gly	213	mur	laq	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42		128	Acrip	gla	214		nig	301	Cytis	aco	388		spe	477	Junc	acuti
43	Pterid	129		lac	215		otr	302	Cacty	glo	389		*tet	478		art
44	Selag	130		lit	216		ova	303	Cacty	fuc	390		tet	479		*buf
45	Abies	131		pat	217		pal	304		inc	391	Galin	cil	480		buf
46		132		pro	218		panices	305		mac	392		par	481		*bul
47		133	Atrop	bel	219		panicula	306		pra	393	Galiu	apa	482		bul
48	Acer	134	Avena	fat	220		pen	307		pur	394		cru	483		conгло
49		135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		eff
50		136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
51	Achil	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
52		138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		koc
53	Acino	139	Barba	int	225		rip	312		fle	399		*pal	488		mar
	Aconi	140		ver	226		rostra	313	Desma	mar	400		pal	489		sqv
	Acoru	141		vul	227		ser	314		rig	401		saxat	490		subnod
56	Adoxa	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
57	Aegop	143	Berber	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
58	Aescu	144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	ela
59	Aethu	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
60	Agrim	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	agg
61		147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
62	Agros	148	Biden	cer	234	Catab	agu	321	Draba	inc	408		cam	497	Lamia	gal
63		149		tri	235	Centa	mon	322	Drosc	int	409	Geran	col	498	Lamiu	alb
64		150	Black	per	236		nig	323		rot	410		dis	499		amp
65		151	Blysm	com	237		sca	324	Echlu	vul	411		end	500		hyb
66		152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
67		153		syl	239		pul	326		mul	413		molle	502		pur
68	Aira	154	Brass	nap	240	Centr	rub	327		palust	414		pha	503	Lapsa	con
69		155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
70	Ajuga	156		rap	242		dif	329		uni	416		pus	505		x
71	Alche	157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		kac
72		158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	sqv
73		159		ere	245		sem	332		nut	419		san	508	Lathy	mor
74		160		hor	246		tom	333	Elymu	can	420		syl	509		pr
75		161		ram	247	Chasen	min	334		far	421	Geum x	int	510		sy
76	Allia	162		ste	248	Chaser	ten	335		pyr	422		riv	511	Lemna	gi
77		163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		mine
78	Alliu	164	Buddi	dav	250	Chame	ang	337	Erpet	nig	424	Glauc	fla	513		pc
79		165	Butom	umb	251	Cheli	maj	338	Epilo	bru	425	Glaux	mar	514		tr
80		166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	at
81		167	Cala	can	253		bon	340		hir	427	Glyce	dec	516		hi
82	Alnus	168		api	254	Chene	mur	341		montan	428		flu	517		tr
83	Alope	169	Calli	ago	255		pol	342		obs	429		x	518	Lepid	c
84		170		han	256		rub	343		pal	430		max	519		h
85		171		obt	257	Chrys	seg	344		par	431		pli	520		r
86		172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	v
					259		opp	346		tet	433		uli	522	Leymu	a
											434	Groen	den			
											435	Gymna	con			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	701	Rumex	*ace*	868	Solid	can	955	Valer	dio
524		vul	613	Oenan	agu	695		ber	702		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	783		acetosa	870		vir	957	Valer	loc
526	Limon	vul	615		fis	697		gra	784		con	871	<u>Sonch</u>	arv	958	Verba	nig
527	Linar	pur	616		lac	698		luc	785		crispus	872		asp	959		thar
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ole	960	Verbe	off
529		vul	618		ery	700		obt	787		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	788		obt	875		auc	962		ana
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		arv
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	ang	964		bed
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		eme	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	879		ere	966		chanae
535	Lolium	mul	624	Orchi	mas	706		ans	793		ape	880		min	967		fil
536		per	625		mor	707		arg	794		mar	881	Spart	ang	968		hed
537	Lonic	per	626	Origa	vul	708		erecta	795		nod	882	Sperg	arv	969	hed	hed
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mari	970	hed	luc
539		uli	628	Ornit	per	710		rep	797	<u>Sagitt</u>	sag	884		med	971		mon
540	Lunar	ann	629	Oxali	ace	711		ste	798	Salic	agg	885		rub	972		off
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	<u>Salix</u>	alb	886	Spira	agg	973		persic
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		pol
543		mul	632		rho	714		vul	801		cap	888		x amb	975		scu
544		pil	633		som	715		vu x ve	802		ole	889		off	976		sen
545		syl	634	Parap	str	716	Prune	vul	803		<u>Sagitt</u>	890		pal	977	Vibur	lan
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		syl	978		opu
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	als	979	Vicia	cra
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hir
549	Lycop	eur	638	Pastl	sat	720		lauro	807		repens	894		hol	981		lat
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri	895		*med	982	sat	nid
551		num	640		syl	722		spi	809		vim	896		med	983	sat	sat
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	kal	897		neg	984		no
553		vul	642	Betas	alb	724	Pucci	dis	811	Sambu	ebu	898		nem	985		
554	Lythr	por	643		fra	725		mar	812		nig	899	Suaed	mar	986		tet
555		sal	644		hyb	726	Pulic	dys	813	Samol	val	900	Succi	pra	987	Vinca	may
556	Mahon	agu	645	<u>Phala</u>	aru	727	Pulmo	off	814	Sangu	min	901	Symph	riv	988		min
557	Malus	syl	646		can	728	Pyrol	min	815		off	902	<u>Symph</u>	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903		x upl	990		can
559		neg	648		pra	730	Querc	cer	817	Sapon	off	904	Syrin	vul	991		his
560		syl	649		ber	731		ile	818	Saxif	gra	905	Tamus	com	992		luc
561	Marru	vul	650		pra	732		pet	819		hyp	906	Tanac	par	993		odorat
562	Matri	mat	651	Phrag	aus	733		rob	820		ste	907		vul	994		pal
563		rec	652	Picea	abi	734	Ranun	acr	821		tri	908	Tarax	agg	995		re
564	Mecon	cam	653		sit	735		*agu	822	spa x	umb	909	Taxus	bac	996		ri
565	Medic	ara	654	Picri	ech	736		agu	823	Scabi	col	910	Teu	scoro	997		tri
566		lup	655		hie	737		aur	824	Schoe	lac	911	Thali	fla	998	Viscu	alb
567	sat	sat	656	Pimpi	maj	738		bulbo	825		tab	912		min	999	Vulpf	bro
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		my
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pli	1001	Wahle	hed
570		uni	659	Pinus	con	741		fic	828		syl	915	Thymu	pra	1002	Zanni	pal
571	Melil	alb	660		nig	742		fic	829	Scler	ann	916	Tilia	cor	1003	Popul	nig
572		ait	661		<u>syl</u>	743		fla	830	Scrop	aur	917		x vul	1004	<u>Tilia</u>	pla
573		off	662	Plant	cor	744		hed	831		nod	918	Toril	jap	1005	<u>Cerat</u>	de
574	Menth	agu	663		lan	745		lingua	832		umb	919		nod	1006	Amara	re
575		arv	664		<u>maj</u>	746		omi	833	Scute	gal	920	Trago	pra	1007	Salix	agg
576	x	pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	flu
577	x	ver	666		med	748		pen	835	Sedum	acr	922	Trifo	arv	1009	Poa	angu
578	x	vil	667	Plata	bif	749		repens	836		alb	923		cam	1010	Helia	ri
579	Menya	tri	668		chl	750		sce	837		ang	924		dub	1011	Helia	
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	Anthe	un
581	Miliu	eff	670		com	752	Rapha	rap	839		rosea	926		hyb	1013	Ocnot	str
582	Minul	agg	671		nemor	753	Resed	lut	840		tei	927		medium	1014	Galiu	sp
583	Moehr	tri	672		*pra	754		luteola	841	Senpe	tec	928		mic	1015	Galiu	pu
584	Molin	cae	673		pra	755	Reyno	jap	842	Senec	agu	929		pra	1016	Bromu	ar
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	spi
586		per	675		tri	757	Rhamn	cat	844		jac	931	Trigl	mar	1018	Anthr	cau
587		sib	676	Polyg	ser	758	Rhin	*min	845		agu	932		pal	1019	Chara	ag
588	Mycel	mur	677		vul	759	Rhodo	pon	846		syl	933	Tripl	ino	1020	Stell	pa
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vis	934		mar	1021	Hotto	pa
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	lan
591		lax	680		are	762		nig	849	vul f	lig	936	Trit x	cro	1023	Anchu	off
592		ram	681		*avi	763		rub	850	vul f	vul	937	Troll	eur	1024	Calli	ph
593	scorp		682		avi	764		san	851	Serra	tin	938	Tsuga	het	1025	Calli	he
594		sec	683		bis	765		uva	852	Sesle	alb	939	<u>Tussil</u>	far	1026	Isati	tin
595		syl	684		hydro	766	Rorip	amp	853	Shera	arv	940	Typha	ang	1027	Atrip	sab
596	Myoso	agu	685		lap	767		pal	854	Silau	sil	941		lat	1028	Rumex	pal
597	Myric	gal	686		minus	768		syl	855	Silen	alba	942	Ulex	eur	1029	Bromu	le
598	Myrio	alt	687		oxy	769	Rosa	agg	856		dio	943		gal	1030	Ulmus	ca
599		spi	688		<u>per</u>	770		arv	857		mar	944	Ulmus	gla	1031	Fontin	agg
600	Myrrh	odo	689		poly	771		*can	858		vul	945		<u>pro</u>	1032	Calam	syl
601	Narci	pse	690	Popul	alb	772		pim	859	Silyb	mar	946	Umbil	rup	1033	Azo	fill
602	Nardu	str	691		<u>x canad</u>	773		*rub	860	Sinap	alb	947	<u>Urtic</u>	dio	1034	Potam	tr
603	Narth	oss	692		x canes	774		rugosa	861		arv	948		ure			
604	Nastu	mic	693		tre	775		*tom	862	Sison	amo	949	Utric	aus			
605		<u>off</u>				776	Rubus	cae	863	Sisym	off	950		min			
606		off				777		cham	864		ori	951		vul			
607		o x m				778		<u>erici</u>	865	Sium	lat	952	Vacci	myr			
608	Neott	nid				779		ida	866	Solan	dul	953		oxy			
609	Nepet	cat				780		sax	867		nig	954		vit			
610	<u>Nupha</u>	lut															
611	Nymph	alb															

Physical and Habitat Data

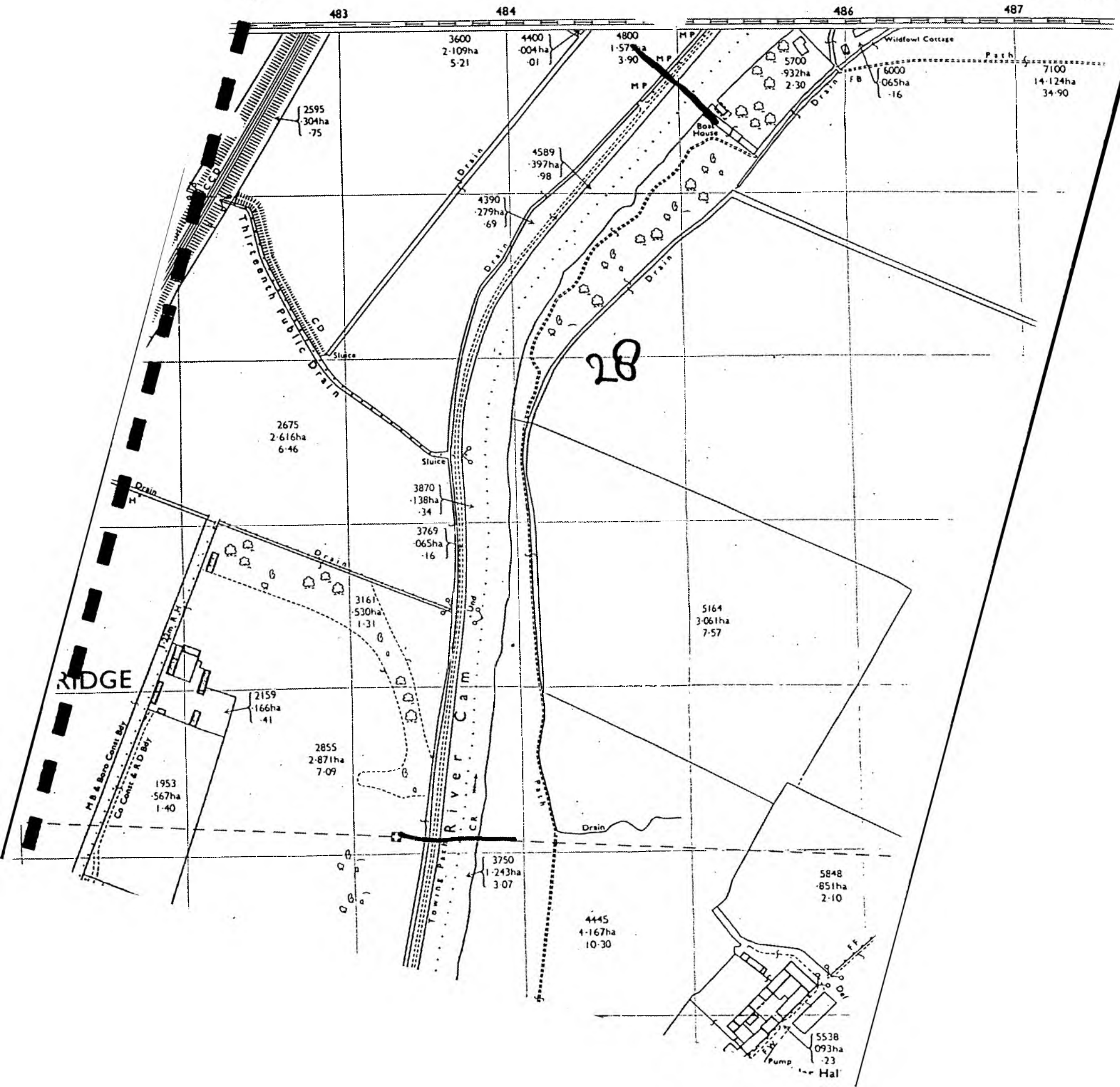
River Section No: CCAM 028 Date: 27/9/94

	Feature	Section Data	Input
1	Riffles	0	0
2	Pools	0	0
3	Cliffs	0	0
4	Berms	0	0
5	Meanders	0	0
6	Riparian Strip Left Bank - % Length	100 %	D
7	Riparian Strip Right Bank - % Length	40 %	B
8	Trapezoidal Channel	Y/N	N
9	Land Use - Left Bank	Ⓐ G.W.S.H.I.L.SG.Ⓒ RG	IG
10	Land Use - Right Bank	Ⓐ G.W.S.H.I.L.SG.IG.RG	A
11	Trees - Dense	L/R	R
12	Trees - Scattered	Ⓐ L/R	u
13	Scrub - Dense	L/R	D
14	Scrub - Scattered	Ⓐ L/R	u
15	Emergent Fringe - Left Bank % Length	15 %	Y
	Emergent Fringe - Right Bank % Length	35 %	

50% A

RIVER CORRIDOR SURVEY
RIVER CODE: CCAM 028

CAMBRIDGE



Section Code: CCAT102



Photograph Number: 1

Ecosurveys Ltd

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River ... Cam
Section ... Camo 29
Auditor ... P. Collins

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Good - well recorded + correct use of symbols.

Flow and current features

Good on maps - arrow at v/s not d/s -, weir omitted,

Substrate and physical features

Good on maps + described in description - small bay to EB omitted + on map

MARGINAL ZONE

Plant communities

Good - one small stand omitted

Substrate and Physical features

Adequate - described in description.

BANK ZONE

Trees

Poor - trees to LB recorded symbolically not accurately - trees needing pollarding not identified.

Other plant communities

Poor - no species indicated for much of bank flora.

Physical features

Good -

ADJACENT LAND USE

Land use

Good - but brackets omitted.

Habitat types

Good - little to record

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



Adequate - Bank heights over-estimated.

4. SUMMARY DESCRIPTION

Conditions



Typical features

if adequate - very brief.

Marginal Vegetation LB & RB

Good - sparse vegetation well recorded

Banks LB & RB

Adequate - no RB artificial mentioned.
no abundances are given. LB pollards not mentioned
here or in land use - only in features of interest.

Adjacent landuse LB & RB

Good

Fauna

Good - none recorded

Recreation

Poor - no mention of navigation or tourist use

Existing Management

Poor - none mentioned though LB clearly mown.

Threats

Good - none

Suggested habitat improvement

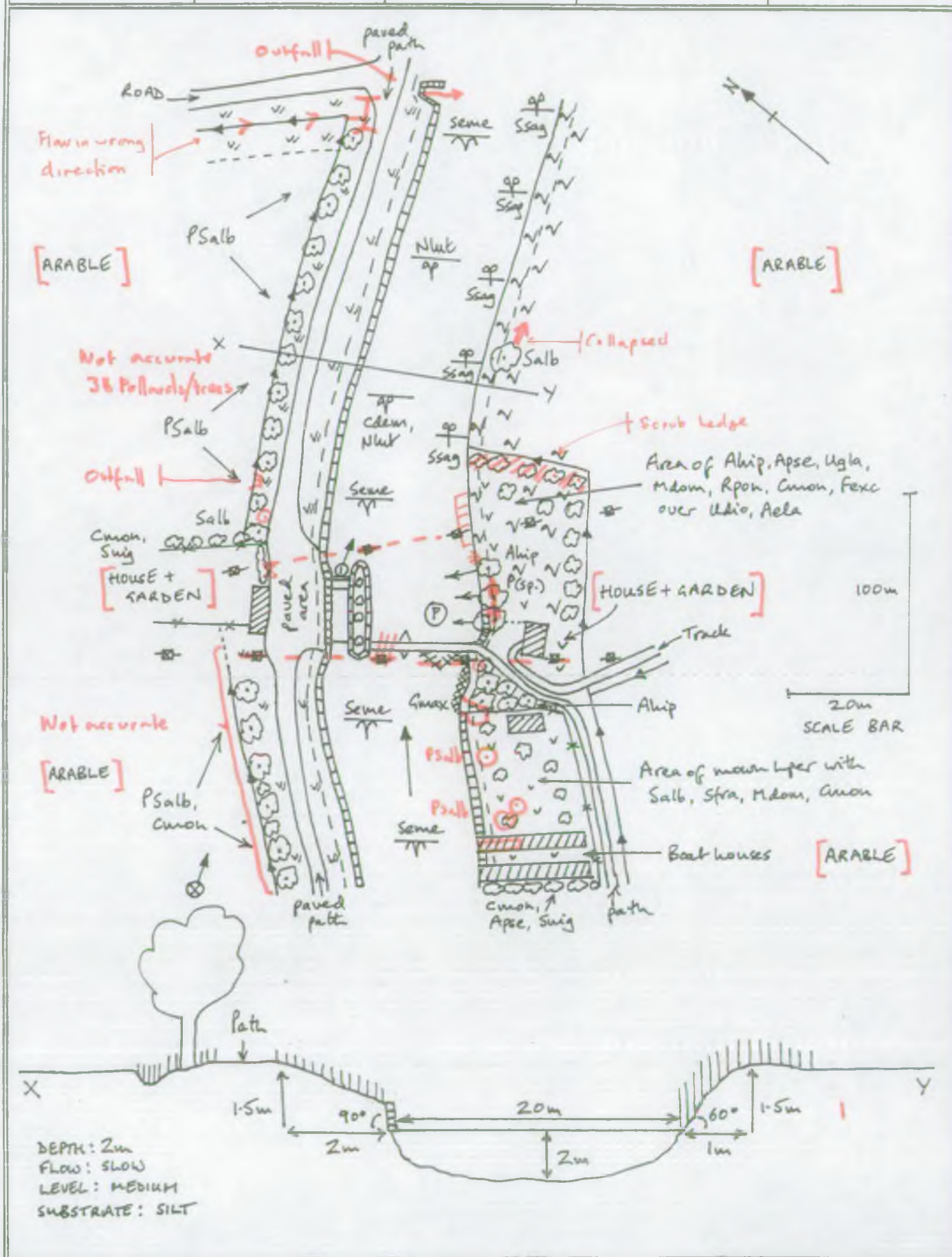
Poor - none recorded - Pollards need culling.

6. GENERAL NOTES AND ASSESSMENT

Generally well surveyed, though angly section. Adjacent pollards not properly recorded. Trees omitted from right bank.

$$\frac{37}{51} = 73\%$$

River Name: CAM	Section Code: CCAM 029	Grid Refs: TL 4850 6196 TL 4882 6215	Survey Date: 27-9-94	Surveyor: DAHEATH
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DATE: 27 September 1994

CODE: CCAM 029

Ecosurveys Ltd

CONDITIONS

Overcast and cool. Surveyed from left bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- i Broad nature A wide channel with a lock and weir.
- ii Dimensions 20-25m wide; 2m deep?
- iii Substrate Silt.
- iv Bank type
- | | |
|----|---|
| LB | Low, vertical, artificial face with an earth bank above; 1.5m high. |
| RB | Earth, 1.5m high with 60° slope. - no artificial bank |

LAND USE

- LS Arable, house and garden, a road and paved path.
- RS Arable, boat houses, house and garden, a track and a path.

BANK
VEGETATION

- LB The bank top has *Lolium perenne*, *Urtica dioica*, *Dactylis glomerata*, *Arrhenatherum elatius* and *Cirsium arvense*. - no abundance
- RB The bank upstream is artificial, with mown *Lolium perenne* on the bank top. In midsection there is tall *Urtica dioica* and *Arrhenatherum elatius* with scattered *Aesculus hippocastanum*, *Acer pseudoplatanus*, *Populus* sp and *Crataegus monogyna*. Downstream there is tall *Urtica dioica*, *Epilobium hirsutum*, *Cirsium arvense*, *Rumex obtusifolius* and *Arrhenatherum elatius* with a single *Salix alba*.

CHANNEL
VEGETATION

- LS Frequent submerged colonies of *Sparganium emersum*, *Ceratophyllum demersum* and *Nuphar lutea*.
- RS Isolated fringing patch of *Glyceria maxima* with an extensive colony of *Sagittaria sagittifolia* downstream. Also frequent submerged colonies of *Sparganium emersum* and *Nuphar lutea* occur.

FEATURES OF
INTEREST

The line of *Salix alba* and *Crataegus monogyna* to the left is of value to wildlife.

THREATS

None.

FAUNA

None.

NUMBER OF SPECIES
RECORDED

46.

CCAM 029
SECTION CODE27-9-94
DATES SURVEYEDD. Atteather
SURVEYORS NAME

1	Asple	adi	87	Ammop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por	
2	mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel		
3	rut	89	Anaga	arv	175	Calyx	pal	262	Circ x	int	349	Erige	tet	438	Helia	rum		
4	tri	90	ten	176	scop	0	263	lut	350	Erige	ace	439	Helle	foe	vir			
5	tri	91	Anchu	arv	177	sil	264	Cirsi	aca	F	351	can	440	Herac	man			
6	tri	92	Andro	pol	178	sol	265	arv	352	Erinu	alp	441	Herac	man	ph			
7	vir	93	Anemo	nem	179	Campa	glo	266	dis	353	Eriop	ang	442	Hesper	mat			
8	fil	94	Angel	syl	180	lat	267	eri	354	lat	443	Hesper	mat	444	Hiera	agg		
9	spi	95	Anten	dio	181	capunculo	268	hel	355	vag	444	Hiera	agg	445	Hippo	pil		
10	lun	96	Anthe	arv	182	rot	269	pal	356	Erodi	cic	445	Hippo	com	446	Hippo	cha	
11	off	97	cot	183	tra	270	vit	357	Eroph	ver	446	Hippo	cha	447	Hippo	vul		
12	cri	98	Antho	odo	184	Capse	bur	271	Clema	mar	447	Hippo	vul	448	Holcu	lan		
13	fra	99	Anthr	syl	185	Carda	ama	272	Clini	vul	448	Hippo	vul	449	Holcu	lan		
14	alp	100	Anthr	vul	186	Carda	ama	273	Cochl	ang	449	Holcu	lan	450	Holcu	lan		
15	aff	101	Aphan	arv	187	Carda	ama	274	dan	can	450	Holcu	lan	451	Holcu	lan		
16	car	102	arv	188	Carda	ama	275	*off	can	can	451	Holcu	lan	452	Holcu	lan		
17	dil	103	mic	189	Carda	ama	276	off	can	can	452	Holcu	lan	453	Holcu	lan		
18	fil	104	Apium	gra	190	Carda	dra	277	Coelo	vir	453	Holcu	lan	454	Holcu	lan		
19	ore	105	inu	191	Cardu	aca	278	Colch	aut	365	lat	454	Holcu	lan	455	Holcu	lan	
20	arv	106	nod	192	Cardu	aca	279	Coniu	mac	366	peplus	455	Holcu	lan	456	Holcu	lan	
21	flu	107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Holcu	lan		
22	hye	108	Arabi	tha	194	acuti	281	Conva	maj	368	Fagus	syl	457	Holcu	lan	458	Holcu	lan
23	palust	109	Arabi	hir	195	are	282	Convo	arv	369	Fallo	con	458	Holcu	lan	459	Holcu	lan
24	syl	110	Arcti	lap	196	bin	283	Cornu	san	370	Festu	aru	459	Holcu	lan	460	Holcu	lan
25	tel	111	min	197	caryop	284	Coron	dic	371	gig	460	Holcu	lan	461	Holcu	lan		
26	var	112	min	198	cur	285	Coron	dic	372	*ovina	461	Holcu	lan	462	Holcu	lan		
27	dry	113	min	199	dem	286	Coryd	cla	373	pra	462	Holcu	lan	463	Holcu	lan		
28	sel	114	Arena	*ser	200	dia	287	lut	374	*rubra	463	Holcu	lan	464	Holcu	lan		
29	wil	115	ser	201	dio	288	Coryl	ave	375	viv	464	Holcu	lan	465	Holcu	lan		
30	lac	116	Armer	mar	202	distan	289	Coton	mic	376	Filag	min	465	Holcu	lan	466	Holcu	lan
31	cla	117	Armer	rus	203	disticha	290	Coton	mic	377	Filag	min	466	Holcu	lan	467	Holcu	lan
32	vul	118	Arche	ela	204	ech	291	Crata	mon	378	Filag	min	467	Holcu	lan	468	Holcu	lan
33	lim	119	Artem	abs	205	ela	292	lae	379	vul	468	Holcu	lan	469	Holcu	lan		
34	reg	120	mar	206	ext	293	Crepi	bie	380	Foeni	vul	469	Holcu	lan	470	Holcu	lan	
35	con	121	vul	207	flacca	294	cap	381	Fraga	ves	470	Holcu	lan	471	Holcu	lan		
36	sco	122	Arum	mac	208	hir	295	pal	382	Prang	aln	471	Holcu	lan	472	Holcu	lan	
37	agg	123	Asper	cyn	209	hos	296	ves	383	Praxi	Exc	472	Holcu	lan	473	Holcu	lan	
38	cam	124	Ast*nov	b	210	lae	297	Crypt	jap	384	Pumar	mur	473	Holcu	lan	474	Holcu	lan
39	int	125	tri	211	las	298	Cyma	mur	385	off	474	Holcu	lan	475	Holcu	lan		
40	vul	126	Astra	dan	212	lep	299	Cynog	off	386	Galan	niv	475	Holcu	lan	476	Holcu	lan
41	acu	127	gly	213	mur	laq	300	Cynos	cri	387	Galeo	bif	476	Holcu	lan	477	Holcu	lan
42	set	128	Atrip	gla	214	nig	301	Cytis	sco	388	spe	477	Holcu	lan	478	Holcu	lan	
43	agu	129	lac	215	otr	216	ova	302	Craty	glo	389	*tet	478	Holcu	lan	479	Holcu	lan
44	sel	130	lit	216	ova	303	Craty	fuc	390	tet	479	*buf	479	Holcu	lan	480	Holcu	lan
45	alb	131	pat	217	pal	304	inc	391	Galin	cil	480	*bul	480	Holcu	lan	481	Holcu	lan
46	gra	132	pro	218	panicea	305	mac	392	Galin	par	481	*bul	481	Holcu	lan	482	Holcu	lan
47	pro	133	Atrop	bel	219	panicula	306	pra	393	Galiu	apa	482	Holcu	lan	483	Holcu	lan	
48	cam	134	Avena	fat	220	pen	307	pur	394	cru	483	congio	483	Holcu	lan	484	Holcu	lan
49	pla	135	Avenu	pra	221	pil	308	Danth	dec	395	elo	484	Holcu	lan	485	Holcu	lan	
50	pse	136	pub	222	pse	309	Daphn	lau	396	*mol	485	ger	485	Holcu	lan	486	Holcu	lan
51	mil	137	Balde	ran	223	pul	310	Daucu	car	397	mol	486	Holcu	lan	487	Holcu	lan	
52	pta	138	Ballo	nig	224	rem	311	Desch	ces	398	odorat	487	Holcu	lan	488	Holcu	lan	
53	arv	139	Barba	int	225	rio	312	Desch	file	399	*pal	488	Holcu	lan	489	Holcu	lan	
54	nap	140	ver	226	rostra	313	Desma	mar	400	pal	489	squ	489	Holcu	lan	490	Holcu	lan
55	cal	141	vul	227	ser	314	rig	401	saxat	490	subnod	490	Holcu	lan	491	Holcu	lan	
56	mos	142	Belli	per	228	spi	315	Digit	pur	402	ste	491	Holcu	lan	492	Holcu	lan	
57	pod	143	Berbe	vul	229	sylv	316	Diplo	mur	403	uli	492	Holcu	lan	493	Holcu	lan	
58	hip	144	Berde	ere	230	ves	317	Dipsa	ten	404	ver	493	Holcu	lan	494	Holcu	lan	
59	syn	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Holcu	lan		
60	eup	146	Betul	pen	232	Carpi	bet	319	Dipsa	ful	406	Genis	ang	495	Holcu	lan		
61	pro	147	pub	233	Casta	sat	234	Catab	agu	407	Genti	ama	496	Holcu	lan	497	Holcu	lan
62	*can	148	Biden	cer	235	Centa	mon	322	Drose	int	408	Geran	col	498	Holcu	lan		
63	can	149	tri	236	nig	323	rot	409	Geran	col	499	Geran	col	499	Holcu	lan		
64	cap	150	Black	per	237	sca	324	Echlu	vul	410	dis	500	Holcu	lan	501	Holcu	lan	
65	gig	151	Blysm	com	238	ery	325	Eleoc	aci	411	end	501	Holcu	lan	502	Holcu	lan	
66	sto	152	Brach	pin	239	pul	326	mul	412	luc	502	Holcu	lan	503	Holcu	lan		
67	vin	153	syl	240	Centr	rub	327	palust	413	molle	503	Holcu	lan	504	Holcu	lan		
68	car	154	Brass	nap	241	Ceras	arv	328	qui	414	pha	504	Holcu	lan	505	Holcu	lan	
69	pra	155	nig	242	diff	243	font	329	uni	415	pra	505	Holcu	lan	506	Holcu	lan	
70	rep	156	rap	244	glo	245	sem	330	Eleog	flu	416	pus	506	Holcu	lan	507	Holcu	lan
71	agg	157	Briza	med	246	tom	247	Chaen	min	417	pyr	507	Holcu	lan	508	Holcu	lan	
72	fil	158	Bromu	com	248	Chaer	tem	249	Chama	law	418	robert	508	Holcu	lan	509	Holcu	lan
73	fil	159	ere	250	Chama	ang	251	Cheli	naj	419	san	509	Holcu	lan	510	Holcu	lan	
74	ves	160	hor	252	Chene	alb	253	Chene	bon	420	syl	510	Holcu	lan	511	Holcu	lan	
75	gla	161	hor	254	Chene	mur	255	Chene	pol	421	far	511	Holcu	lan	512	Holcu	lan	
76	xan	162	ste	256	Chrys	seg	257	Chrys	alt	422	riv	512	Holcu	lan	513	Holcu	lan	
77	pla	163	Bryon	dio	258	Chrys	alt	259	Chrys	alt	423	Glauc	fla	513	Holcu	lan		
78	pet	164	Buddl	dav	259	Chrys	alt	259	Chrys	alt	424	Glauc	fla	514	Holcu	lan		
79	ole	165	Butom	umb	259	Chrys	alt	259	Chrys	alt	425	Glauc	fla	515	Holcu	lan		
80	sco	166	Cakil	mar	259	Chrys	alt	259	Chrys	alt	426	Glyce	dec	516	Holcu	lan		
81	urs	167	Cala	can	259													

523	Ligus	ova	612	Odont	ver	694	Potam	alp	781	Rumex	*ace*	868	Solid	can	955	Valer	dio
524		vul	613	Oenan	aqu	695		ber	782		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	783		acetosa	870		vir	957	Valer	ic
526	Limon	vul	615		fis	697		gra	784		con	871	<u>sonch</u>	ary	958	Verba	g
527	Linar	pur	616		lac	698		luc	785		crispus	872		asp	959		to
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ole	960	Verbe	off
529		vul	618		ery	700		obt	787		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	788		<u>obr</u>	875		auc	962		a
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		v
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	ang	964		ac
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		<u>eme</u>	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	879		<u>ere</u>	966		chamae
535	Lolliu	mul	624	Orchi	mas	706		ans	793		ape	880		min	967		l
536		<u>per</u>	625		mor	707		arg	794		mar	881	Spart	ang	968		d
537	Lonic	per	626	Origa	vul	708		erecta	795		nod	882	Sparg	arv	969	hed	hed
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mari	970	hed	luc
539		uli	628	Ornit	per	710		rep	797	<u>Sagit</u>	san	884		med	971		men
540	Lunar	arv	629	Oxali	ace	711		ste	798	<u>Salic</u>	agg	885		rub	972		f
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	<u>Serix</u>	alb	886	Spira	agg	973		per
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		pol
543		mul	632		rho	714		vul	801		cap	888		amb	975		scu
544		pil	633		som	715		vu x ve	802		cin	889		off	976		r
545		syl	634	Parap	str	716	Prune	vul	803		<u>fra</u>	890		pal	977	Vibur	n
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		syl	978		u
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	als	979	Vicia	era
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hir
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		t
550	Lysim	nem	639	Pedic	pal	721		pad	808		<u>tri</u>	895		*med	982	sat	g
551		num	640		syl	722		spi	809		<u>vim</u>	896		med	983	sat	at
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	kal	897		neg	984		sep
553		vul	642	Petas	alb	724	Pucci	dis	811	Sambu	ebu	898		nem	985		syl
554	Lythr	por	643		fra	725		mar	812		<u>nig</u>	899	Suaed	mar	986		st
555		sal	644		hyh	726	Pulic	dys	813	Samol	val	900	Succi	pra	987	Vinca	g
556	Mahon	aqu	645	<u>Phala</u>	ari	727	Pulmo	off	814	Sangu	min	901	Symph	riv	988		min
557	Malus	syl	646		can	728	Pyrol	min	815		off	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903		x upl	990		an
559		neg	648		pra	730	Querc	cer	817	Sapon	off	904	Syrin	vul	991		r
560		syl	649		pra	731		ile	818	Saxif	gra	905	Tamus	com	992		at
561	Marru	vul	650		pra	732		pet	819		hyp	906	Tanac	par	993		odorat
562	Matri	mat	651	<u>Phrag</u>	aus	733		rob	820		ste	907		vul	994		pal
563		rec	652	Picea	abi	734	Ranun	acr	821		tri	908	Tarax	agg	995		ei
564	Mecon	cam	653		sit	735		*aqu	822	spa x	umb	909	Taxus	bac	996		l
565	Medic	ara	654	<u>Picri</u>	ech	736		aqu	823	Scabi	col	910	Teu	scoro	997	tri	ri
566		lup	655		hie	737		aur	824	Schoe	lac	911	Thali	fla	998	Viscu	alb
567	sat	sat	656	Pimpi	maj	738		bulbo	825		tab	912		min	999	Vulpf	bro
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		u
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pli	1001	Wahle	ed
570		uni	659	Pinus	con	741		fic bul	828		syl	915	Thymu	pra	1002	Zanni	pal
571	Melil	alb	660		nig	742		fic	829	Scler	ann	916	Tilia	cor	1003	Popul	nig
572		alt	661		<u>syl</u>	743		fla	830	Scrop	aur	917		x vul	1004	Tilia	pli
573		off	662	Plant	cor	744		hed	831		nxd	918	Toril	jap	1005	Cerat	per
574	Menth	aqu	663		<u>lan</u>	745		lingua	832		umb	919		nod	1006	Anara	el
575		arv	664		<u>maj</u>	746		oni	833	Scute	gal	920	Trago	pra	1007	Salix	age
576	x	pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	fl
577	x	ver	666		med	748		pen	835	Sedum	acr	922	Trifo	arv	1009	Poa	azu
578	x	vil	667	Plata	bif	749		repens	836		alb	923		cam	1010	Hel	li
579	Menya	tri	668		chl	750		sce	837		ang	924		dub	1011	He	nu
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	Anthe	ti
581	Miliu	eff	670		com	752	Rapha	rap	839		rosea	926		hyb	1013	Oenot	st
582	Mimul	agg	671		nemor	753	Resed	lut	840		tel	927		medium	1014	Galiu	p
583	Moehr	tri	672		*pra	754		luteola	841	Senpe	tec	928		mic	1015	Galiu	u
584	Molin	cae	673		pra	755	Reyno	jap	842	Senec	aqu	929		pra	1016	Bromu	r
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	sp
586		per	675		tri	757	Rhamn	cat	844		jac	931	Trigl	mar	1018	Anthr	ca
587		sib	676	Polyg	ser	758	Rhin	*min	845		squ	932		pal	1019	Chara	g
588	Mycel	mur	677		vul	759	<u>Rhodo</u>	por	846		syl	933	Tripl	ino	1020	Stell	pa
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vis	934		mar	1021	Hotto	pa
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	la
591		lax	680		are	762		nig	849	vul f	lig	936	Trit x	cro	1023	Anchu	of
592		ram	681		*avi	763		rub	850	vul f	vul	937	Troll	eur	1024	Calli	ol
593		scorp	682		avi	764		san	851	Serra	tin	938	Tsuga	het	1025	Calli	pe
594		sec	683		bis	765		uva	852	Sesle	alb	939	Tussi	far	1026	Isati	ti
595		syl	684		hydro	766	Rorip	amp	853	Shera	arv	940	Typha	ang	1027	Atrip	sa
596	Myoso	aqu	685		lap	767		pal	854	Silau	sil	941		lat	1028	Rumex	va
597	Myric	gal	686		minus	768		syl	855	Silen	alba	942	Ulex	eur	1029	Bromu	te
598	Myrio	alt	687		oxy	769	Rosa	agg	856		dio	943		gal	1030	Ulmus	pa
599		spi	688		per	770		arv	857		mar	944	<u>Urtic</u>	gla	1031	Fontin	ag
600	Myrrh	odo	689		poly	771		*can	858		vul	945		pro	1032	Calam	sy
601	Narci	pse	690	Popul	alb	772		pim	859	Silyb	mar	946	Umbil	rup	1033	Azo	li
602	Nardu	str	691		x canad	773		*rub	860	Sinap	alb	947	<u>Urtic</u>	dio	1034	Potam	tr
603	Narth	oss	692		x canes	774		rugosa	861		arv	948		ure			
604	Nastu	mic	693		tre	775		*tom	862	Sison	amo	949	Utric	aus			
605		<u>off</u>				776	Rubus	cae	863	Sisym	off	950		min			
606		off				777		cham	864		ori	951		vul			
607		x m				778		*fru	865	Sium	lat	952	Vacci	myr			
608	Neott	nid				779		ida	866	Solan	dul	953		oxy			
609	Nepet	cat				780		sax	867		nig	954		vit			
610	Nupha	lut															
611	Nymph	alb															

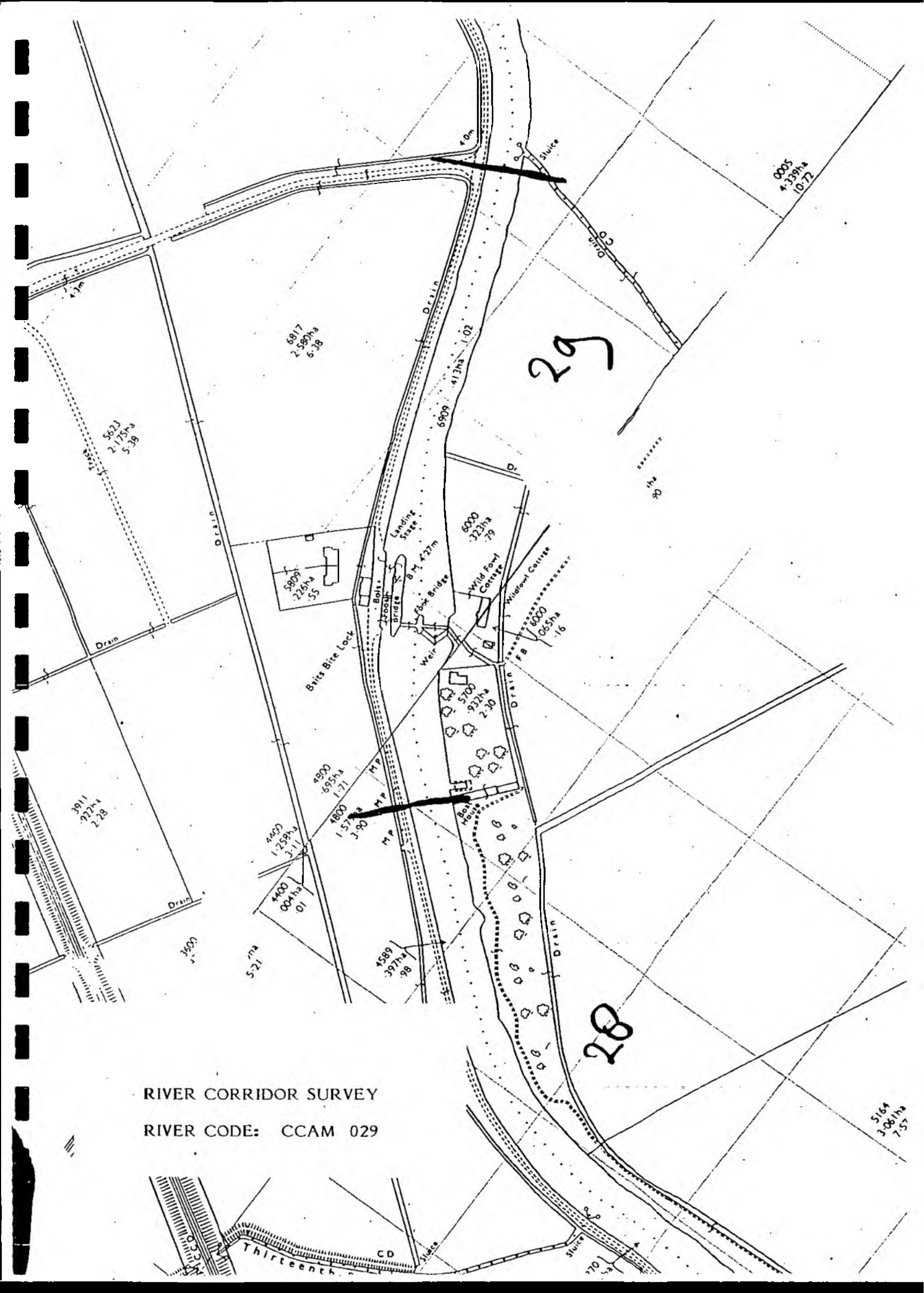
Pinus sp. R
Malus domestica

Total Number species Recorded: 46

Physical and Habitat Data

River Section No: CCAM 029 Date: 27/9/94

	Feature	Section Data	Input
1	Riffles	0	0
2	Pools	1	1
3	Cliffs	0	0
4	Berms	0	0
5	Meanders	0	0
6	Riparian Strip Left Bank - % Length	0 %	A
7	Riparian Strip Right Bank - % Length	0 %	A
8	Trapezoidal Channel	Y N	N
9	Land Use - Left Bank	A .G.W.S. A .I.L.SG.IG.RG	A
10	Land Use - Right Bank	A .G.W.S. A .I.L.SG.IG.RG	A
11	Trees - Dense	L/ R	R
12	Trees - Scattered	L / R	u
13	Scrub - Dense	L/R	D
14	Scrub - Scattered	L / R	u
15	Emergent Fringe - Left Bank % Length	0 %	Y
	Emergent Fringe - Right Bank % Length	25 %	



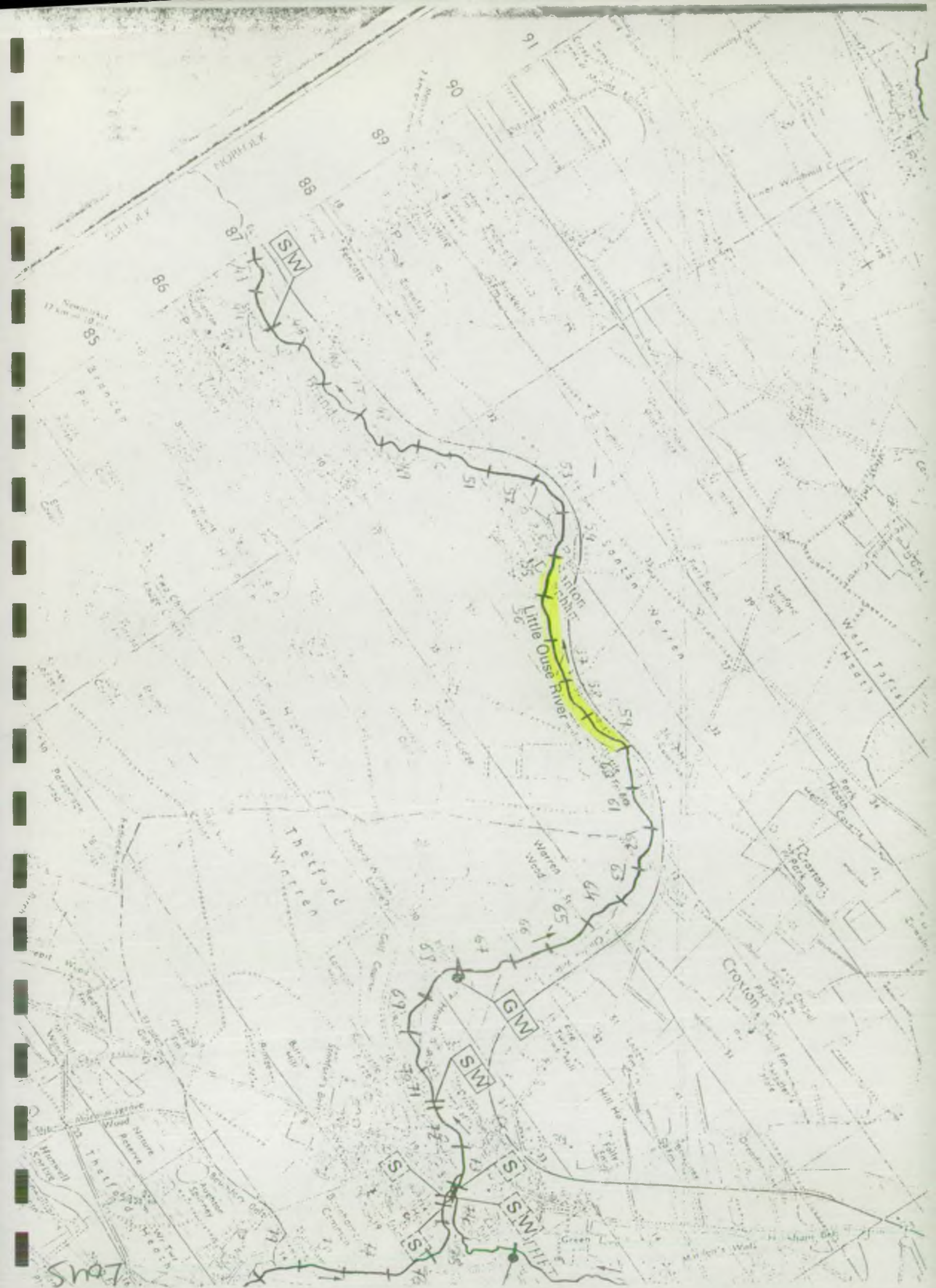
RIVER CORRIDOR SURVEY

RIVER CODE: CCAM 029

Section Code: CCAT 028



Photograph Number: 1



RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River . LITTLE OUSE
Section . LOW 055
Auditor . B. TARRANT

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Adequate - symbol for monost. aquatic (SOME, PPA) not used.

Flow and current features

Poor - no reference to flow velocity, etc.

Substrate and physical features

Poor - none given for substrate. Otherwise no features present in channel to record.

MARGINAL ZONE

Plant communities

Good - generally well recorded - a few slight missing inaccuracies

Substrate and Physical features

Adequate - small areas of erosion to KB not recorded.

Lous 055

BANK ZONE

Trees

Adequate - several trees/shrubs to RB not recorded. LB recording very simplistic and often inaccurate but quite difficult to record (More trees/shrubs present than mapped).

Other plant communities

Adequate - major species noted but variations not shown. Poor use of vegetation symbols. Grass signals noted to RB (good). Grass on banks not recorded.

Physical features

Adequate - few features to record. Variations in bank height and slope not recorded.

ADJACENT LAND USE

Land use

Good - species for plantation well recorded - though SNG community not given.

Habitat types

Good.

3. CROSS SECTIONS

Width of water
filled channel

Depth of water

Water level relative
to top of bank

Bank height



Flood bank width



width



height



slope



landuse



Dimensions of cross-section overestimated for banks. Drawing is poor with banks very overscale compared to the banks.

4. SUMMARY DESCRIPTION

Conditions



Typical features

Poor - very brief summary.

Marginal ^{± aquatic} Vegetation LB & RB

Good - major species recorded

Banks LB & RB

Good - main communities recorded (though areas of Carex on banks not noted)

Adjacent landuse LB & RB

Adequate - types listed and complements maps.

Fauna

Good - 2 species recorded.

Recreation

Good - footpath to RB noted.

Existing Management

Poor - not recorded

Threats

Good.

Suggested habitat improvement

None suggested.

6. GENERAL NOTES AND ASSESSMENT

Overall survey is adequate. Mapping of trees & shrubs could be better.

$$\text{Score} : \frac{33}{51} = 64.7\%$$

[illegible]

DATE: 3 August 1994

CODE: LOUS 055

Ecosurveys Ltd

CONDITIONS

Sunny and hot. Surveyed from right bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- i Broad nature A fairly straight section of river with slow flow.
- ii Dimensions 18-22m wide and 0.5-1.5m deep.
- iii Substrate Silt, sand, shingle, pebbles and cobbles.
- iv Bank type Both banks are earth, 1-2.5m high with 45°-70° slopes.

LAND USE

- LS Poplar plantation.
- RS Semi-improved grassland, a footpath and poplar plantation.

BANK
VEGETATION

- LB Dominated by *Urtica dioica*, *Galium aparine* and *Conium maculatum* with abundant trees and shrubs lining the bank comprising *Ulmus glabra*, *Alnus glutinosa*, *Sambucus nigra*, *Rubus fruticosus*, *Salix* sp, *Fraxinus excelsior* and *Symphoricarpos album*.
- RB Dominated by *Urtica dioica*, *Arrhenatherum elatius*, *Lolium perenne*, *Galium aparine* and *Conium maculatum* with occasional trees and scrub comprising *Salix* sp, *Acer pseudoplatanus*, *Crataegus monogyna* and *Rosa* sp.

CHANNEL
VEGETATION

Both sides have gappy fringes of *Glyceria maxima*, *Schoenoplectus lacustris*, *Carex riparia*, *Phalaris arundinacea*, *Rorippa nasturtium-aquaticum*, *Apium nodiflorum*, *Epilobium hirsutum*, *Myosotis scorpioides* and *Eupatorium cannabinum*. Frequent aquatics are present comprising *Potamogeton pectinatus*, *Sparganium emersum*, *Ranunculus aquatilis*, *Lemna minor* and *Callitriche* sp.

FEATURES OF
INTEREST

Channel vegetation and adjacent semi-improved grassland.

THREATS

None.

FAUNA

Moorhen. Comma butterfly.

NUMBER OF SPECIES
RECORDED

60.

SECTION CODE

L005 055

DATES SURVEYED

3/8/94

SURVEYORS NAME

B. Hedger

Asple	adi	87	Annop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
3	mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
4	rut	89	Anaga	arv	175	Calys	pul	262	Circ x	int	349	Erige	tet	438	Helia	num
	tri	90		ten	176		sep	263		lut	350	Erige	ace	439	Helle	foe
	tri qua	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
	vir	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		sph
8	Athyr	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
	Blech	95	Anten	dio	181		rapunculo	268		hel	355		vag	444	Hiera	agg
	Botry	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
	Ceter	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
12	Crypt	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	cha
13	Cysto	99	Anthr	syl	185	Carda	ama	272	Clinu	vul	359	Erysi	che	448	Hippu	vul
	Dipha	100	Anthy	vul	186		fle	273	Cochl	ang	360	Euomy	eur	449	Holcu	lan
	Dryop	101	Aphan	*arv	187		hir	274		dan	361	Eupat	can	450		mol
		102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	per
17		103		mic	189		pra	276		off	363		exi	452	Horde	mur
		104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
	ore	105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
	Equis	106		nod	192		nut	279	Coniu	mac	366		peplus	455	Hyaci	non
		107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
22		108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23	palust	109	Arabi	hir	195		are	282	Convo	ary	369	Fallo	con	458	Hyper	and
		110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
		111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
		112	min	min	198		cur	285		squ	372		*ovina	461		hum
27	Gymno	113	min	nem	199		dem	286	Coryd	cla	373		pra	462		mac
	per	114	Arena	*ser	200		dia	287		lut	374		*rubra	463		mon
	nymen	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
	Isoet	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
	Lycop	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
	Ophio	118	Arrhe	ela	204		ech	291	Crata	mon	378	Filip	ulm	467	Hypoc	rad
	Oreop	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	aqu
	Osmun	120		mar	206		ext	293	Crepi	bie	380	Foeni	vul	469	Impat	gla
	Phago	121		vul	207		flacca	294		cap	381	Fraga	ves	470		nol
	Phyll	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
37	Polyp	123	Asper	cyn	209		hos	296		ves	383	Fraxi	exc	472	Imula	con
		124	Ast*nov-b		210		lae	297	Crypt	jap	384	Fumar	mur	473	Iris	foe
		125		tri	211		las	298	Cymba	mur	385		off	474		pse
		126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
41	Polys	127		gly	213	mur	lag	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42		128	Atrip	gla	214		nig	301	Cytis	aco	388		spe	477	Junc	acuti
		129		lac	215		otr	302	Dacty	glo	389		*tet	478		art
		130		lit	216		ova	303	Dacty	fuc	390		tet	479		*buf
		131		pat	217		pal	304		inc	391	Galin	cil	480		buf
		132		pro	218		panicea	305		mac	392		par	481		*bul
		133	Atrop	bel	219		panicula	306		pra	393	Galiu	apa	482		bul
		134	Avena	fat	220		pen	307		pur	394		tru	483		conгло
		135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		eff
		136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
		137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
		138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		koc
		139	Barba	int	225		rip	312		fle	399		*pal	488		mar
		140		ver	226		rostra	313	Desma	mar	400		pal	489		squ
		141		vul	227		ser	314		rig	401		saxat	490		subnod
		142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
		143	Berbe	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
		144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	ela
		145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
		146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	agg
		147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
		148	Biden	cer	234	Catab	aqu	321	Draba	inc	408		cam	497	Lamia	gal
		149		tri	235	Centa	non	322	Drose	int	409	Geran	col	498	Lamiu	alb
		150	Black	per	236		nig	323		rot	410		dis	499		amp
		151	Blysm	com	237		sca	324	Echlu	vul	411		end	500		hyb
		152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
		153		syl	239		pul	326		mul	413		molle	502		pur
		154	Brasa	nop	240	Centr	rub	327		palust	414		pha	503	Lapsa	com
		155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
		156		rap	242		dif	329		uni	416		pus	505		x
		157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		kae
		158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	squ
		159		ere	245		sem	332		rut	419		san	508	Lathy	mon
		160	hor	hor	246		com	333	Elymu	can	420		syl	509		pra
		161		ram	247	Chaen	min	334		far	421	Geum x	int	510		syl
		162		ste	248	Chaser	tem	335		pyc	422		riv	511	Lemna	qib
		163	Bryon	dio	249		law	336		rep	423		urb	512		minor
		164	Buddl	dav	250	Chama	ang	337	Empet	nig	424	Glauc	fla	513		pol
		165	Butom	umb	251	Chelli	maj	338	Epilo	bru	425	Glaux	mar	514		tri
		166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	aut
		167	Caia	can	253		bon	340		hit	427	Glyce	dec	516		his
		168		epi	254	Chene	mur	341		montan	428		flu	517		tar
		169	Calli	agg	255		pol	342		obs	429		max	518	Lepid	cam
		170		nan	256		rub	343		pal	430		x ped	519		het
		171		obt	257	Chrys	seg	344		par	431		pli	520		rud
		172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	vul
					259		opp	346		tet	433		uli	522	Leymu	are
											434	Groen	den			
											435	Gymna	con			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	781	Rumex	*ace*	868	Solid	can	955	Valer	dio
524		vul	613	Oenan	aqu	695		ber	782		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	783		acetosa	870		vir	957	Valer	le
526	Limon	vul	615		fis	697		gra	784		con	871	Sonch	arv	958	Verba	n
527	Linar	pur	616		lac	698		luc	785		crispus	872		asp	959		tha
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ole	960	Verbe	off
529		vul	618		ery	700		obt	787		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	788		obt	875		auc	962		ar
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		ar
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	ang	964		bec
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		eme	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	879		ere	966		chan
535	Loliu	mul	624	Orchi	mas	706		ans	793		ape	880		min	967		fi
536		per	625		mor	707		arg	794		mar	881	Spart	ang	968		he
537	Lonic	per	626	Origa	vul	708		erecta	795		nod	882	Sperg	arv	969	hed	hed
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mari	970	hed	luc
539		uli	628	Ornit	per	710		rep	797	Sagit	sag	884		med	971		mo
540	Lunar	ann	629	Oxali	ace	711		ste	798	Salic	agg	885		rub	972		of
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	Salix	alb	886	Spira	agg	973		pers
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		pol
543		mul	632		rho	714		vul	801		cap	888		x amb	975		scu
544		pil	633		som	715		vu x ve	802		ole	889		off	976		se
545		syl	634	Parap	str	716	Prune	vul	803		fra	890		pal	977	Vibur	la
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		syl	978		op
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	als	979	Vicia	cro
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hir
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		la
550	Lysim	nem	639	Pedic	pil	721		pad	808		tri	895		*med	982	sat	n
551		num	640		syl	722		spi	809		vim	896		med	983	sat	sat
552		pun	641	Penta	sam	723	Pseud	men	810	Salso	kal	897		neg	984		rep
553		vul	642	Petas	alb	724	Pucci	dis	811	Sambu	ebu	898		nem	985		y
554	Lythr	por	643		fra	725		mar	812		nig	899	Suaed	mar	986		to
555		sal	644		hyb	726	Pulic	dys	813	Samol	val	900	Succi	pra	987	Vinca	ma
556	Mahon	aqu	645	Phala	aru	727	Pulmo	off	814	Sangu	min	901	Symph	riv	988		min
557	Malus	syl	646		can	728	Pyrol	min	815		off	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903		x upl	990		ca
559		neg	648		pra	730	Querc	cer	817	Sapon	off	904	Syrin	vul	991		h
560		syl	649		pra	731		ile	818	Saxif	gra	905	Tamus	com	992		lut
561	Marru	vul	650		pra	732		pet	819		hyp	906	Tanac	par	993		odorat
562	Matri	mat	651	Phrag	aus	733		rob	820		ste	907		vul	994		pal
563		rec	652	Picea	abi	734	Ranun	acr	821		tri	908	Tarax	agg	995		ra
564	Mecon	cam	653		sit	735		*agu	822	spa x	umb	909	Taxus	bac	996		r
565	Medic	ara	654	Picri	ech	736		agu	823	Scabi	col	910	Teu	scoro	997		tri
566		lup	655		hie	737		aur	824	Schoe	loc	911	Thali	fla	998	Viscu	alb
567	sat	sat	656	Pimpl	maj	738		bulbo	825		tab	912		min	999	Vulpi	bro
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		my
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pli	1001	Wahle	he
570		uni	659	Pinus	con	741		fic bul	828		syl	915	Thymu	pra	1002	Zanni	par
571	Melii	alb	660		nig	742		fic fic	829	Scler	ann	916	Tilia	cor	1003	Popul	nig
572		alt	661		syl	743		fla	830	Scrop	aur	917		x vul	1004	Tilia	pl
573		off	662	Plant	cor	744		hed	831		nod	918	Toril	jap	1005	Cerat	d
574	Menth	aqu	663		lan	745		lingua	832		umb	919		nod	1006	Anara	r
575		arv	664		maj	746		omi	833	Scute	gal	920	Trago	pra	1007	Salix	agg
576	x	pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	riu
577	x	ver	666		med	748		pen	835	Sedum	acr	922	Trifo	arv	1009	Poa	ang
578	x	vil	667	Plata	bif	749		repens	836		alb	923		cam	1010	Helia	r
579	Menya	tri	668		chl	750		sce	837		ang	924		dub	1011	Heil	mi
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	Anthe	tin
581	Miliu	eff	670		com	752	Rapha	rap	839		rosea	926		hyb	1013	Ocnot	st
582	Mimul	agg	671		nemor	753	Rosed	lut	840		tel	927		medium	1014	Galii	s
583	Moehr	tri	672		*pra	754		luteola	841	Senpe	tec	928		mic	1015	Galii	p
584	Molin	cae	673		pra	755	Reyno	jap	842	Senec	aqu	929		pra	1016	Bromu	atv
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	spi
586		per	675		tri	757	Rhamn	cat	844		jac	931	Tripl	mar	1018	Anthr	can
587		sib	676	Polyg	ser	758	Rhin	*min	845		agu	932		pal	1019	Chara	a
588	Mycel	vul	677		vul	759	Rhodo	pon	846		syl	933	Tripl	ino	1020	Stell	p
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vis	934		mar	1021	Hotto	pal
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	lan
591		lax	680		are	762		nig	849	vul f	lig	936	Trit x	cro	1023	Anchu	o
592		ram	681		*avi	763		rub	850	vul f	vul	937	Troil	eur	1024	Calli	p
593		scorp	682		avi	764		san	851	Serra	tin	938	Tsuga	het	1025	Calli	h
594		sec	683		bis	765		uva	852	Sesle	alb	939	Tussi	far	1026	Isati	tin
595		syl	684		hydro	766	Rorip	amp	853	Shera	arv	940	Typha	ang	1027	Atrip	sab
596	Myoso	aqu	685		lap	767		pal	854	Silau	sli	941		lat	1028	Rumex	p
597	Myric	gal	686		minus	768		syl	855	Silen	alba	942	Ulex	eur	1029	Bromu	l
598	Myrio	alt	687		oxy	769	Rosa	agg	856		dio	943		gal	1030	Ulmus	car
599		spi	688		per	770		arv	857		mar	944	Ulmus	gla	1031	Pontin	agg
600	Myrrh	odo	689		poly	771		*can	858		vul	945		pro	1032	Calam	sul
601	Narci	pse	690	Popul	alb	772		pim	859	Silyb	mar	946	Umbil	rup	1033	Azo	fil
602	Nardu	str	691		x canad	773		*rub	860	Sinap	alb	947	Urtic	dio	1034	Potam	b
603	Narth	oss	692		x canes	774		rugosa	861		arv	948		ure			
604	Nastu	mic	693		tre	775		*tom	862	Sison	amo	949	Utric	aus			
605		*off				776	Rubus	cae	863	Sisym	off	950		min			
606		off				777		cham	864		ori	951		vul			
607		x m				778		*fru	865	Slum	lat	952	Vacci	myr			
608	Neott	nid				779		ida	866	Solan	dun	953		oxy			
609	Nepet	cat				780		sax	867		nig	954		vit			
610	Nupha	lut															
611	Nymph	alb															

Physical and Habitat Data

River Section No: Low 055

Date: 3/8/94

	Feature	Section Data	Input
1	Riffles		0
2	Pools		0
3	Cliffs		0
4	Berms		0
5	Meanders		0
6	Riparian Strip Left Bank - % Length	100 %	D
7	Riparian Strip Right Bank - % Length	50 %	B
8	Trapezoidal Channel	(Y/N)	Y
9	Land Use - Left Bank	A.G.(W)S.H.I.L.SG.IG.RG	W
10	Land Use - Right Bank	A.G.(W)S.H.I.L.SG.IG.RG	SG
11	Trees - Dense	(L/R)	u
12	Trees - Scattered	(L/R)	u
13	Scrub - Dense	L/R	D
14	Scrub - Scattered	L/R	u
15	Emergent Fringe - Left Bank % Length	70 %	Y
	Emergent Fringe - Right Bank % Length	70 %	

River code : LOUS055

Section Code: LOWS 05E



Photograph Number: 1

Ecosurveys Ltd

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River LITTLE OUSE
 Section 4055 056
 Auditor B. TRANTER

1. GENERAL INFORMATION

Name of river

☒

Date of survey

☒

Reach ref No.

☒

Grid North

☒

Surveyors name

☒

Scale base width

☒

Length

☒

Grid ref upstream

☒

Grid ref downstream

☒

Flow direction

☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Adequate - symbol for macrobenthic invertebrates (Sens. Proc) not used.

Flow and current features

Poor - no reference to flow velocity, etc., on map

Substrate and physical features

Poor - none given for substrate. Otherwise no features present in channel to record.

MARGINAL ZONE

Plant communities

Good - well recorded though variations in width of fringes not noted.

Substrate and Physical features

Good - little variation to record.

BANK ZONE

Trees

~~Adequate~~ - Poor - trees & shrubs generally not accurately mapped. IB much more continuously covered.

Other plant communities

Adequate - major species noted. Infrequent and incorrect use of vegetation symbols (grass)
Covers on banks not recorded.

Physical features

Good - few features to record.

ADJACENT LAND USE

Land use

Adequate - SNG communities not given. Area to LS between channel & plantation not noted.
Woodlands adequately recorded

Habitat types

Good

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



Bank heights inaccurate.

4. SUMMARY DESCRIPTION

Conditions



Typical features

Poor - very brief summary.

+ aquatic
Marginal Vegetation LB & RB

Good - major species recorded.

Banks LB & RB

Good - main communities recorded (though Carex on banks not noted).

Adjacent landuse LB & RB

Adequate - types listed.

Fauna

Good.

Recreation

Good - footpaths noted

Existing Management

Poor - not recorded

Threats

Good.

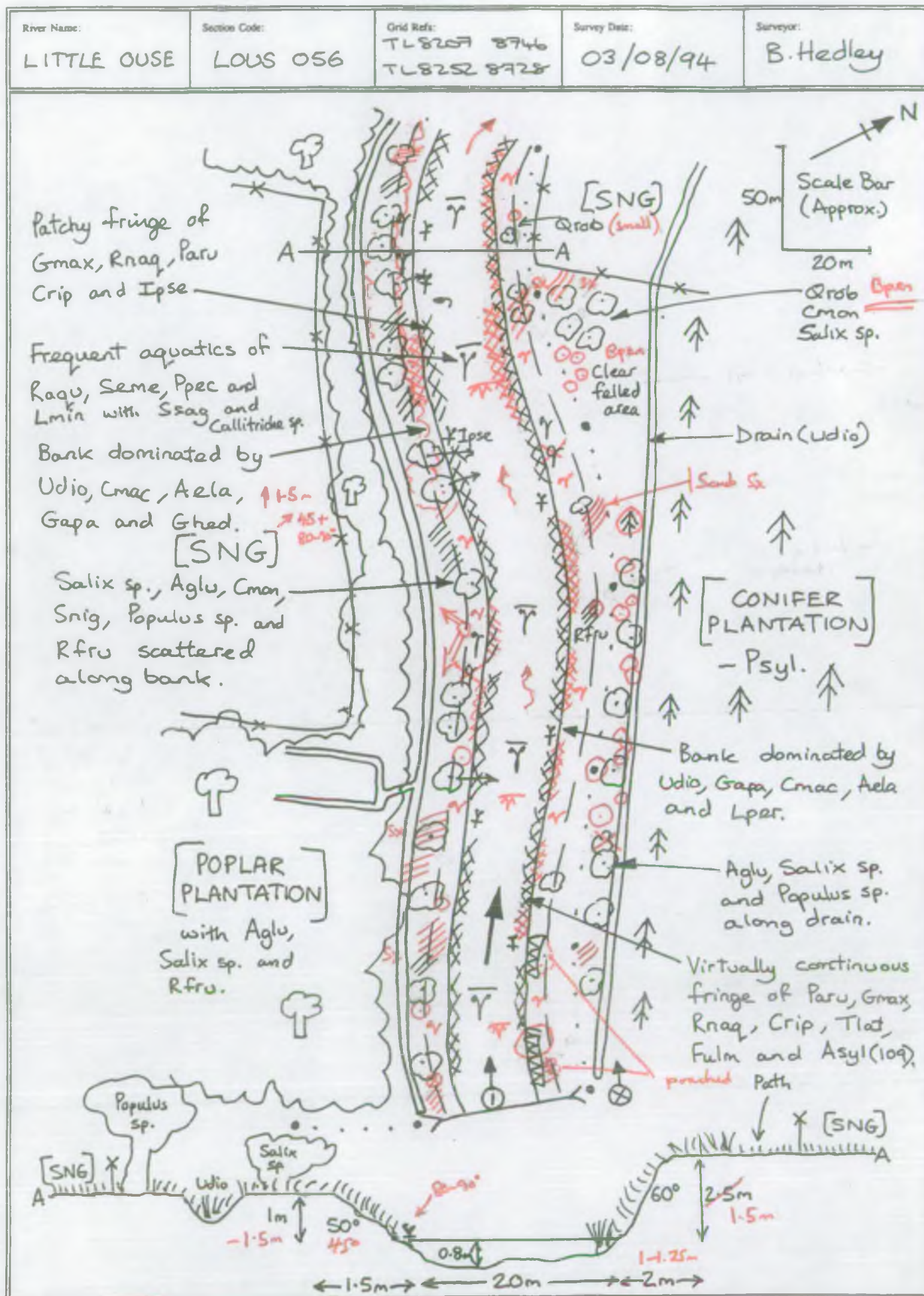
Suggested habitat improvement

None suggested

6. GENERAL NOTES AND ASSESSMENT

Overall survey is adequate though mapping of trees & shrubs could be better.

$$\text{Score: } \frac{36}{51} = 70.6\%$$



DATE: 3 August 1994

CODE: LOUS 056

Ecosurveys Ltd

CONDITIONS

Sunny and hot. Surveyed from right bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- | | | |
|-----|--------------|--|
| i | Broad nature | A curving section of river with moderate flow and parallel soke drains. |
| ii | Dimensions | 18-25m wide and 0.3-1m+ deep. |
| iii | Substrate | Silt, sand, gravel, pebbles and cobbles. |
| iv | Bank type | Both banks are earth, 1-2m high with 40°-70° slopes and occasional cliff area upstream on the right. |

LAND USE

- | | |
|----|---|
| LS | Semi-improved grassland, poplar plantation and a footpath. |
| RS | Conifer plantation, semi-improved grassland and a footpath. |

BANK
VEGETATION

- | | |
|----|--|
| LB | Dominated by <i>Urtica dioica</i> , <i>Conium maculatum</i> , <i>Arrhenatherum elatius</i> , <i>Galium aparine</i> and <i>Glechoma hederacea</i> with abundant trees and shrubs lining the bank comprising <i>Salix</i> sp, <i>Alnus glutinosa</i> , <i>Crataegus monogyna</i> , <i>Sambucus nigra</i> , <i>Populus</i> sp and <i>Rubus fruticosus</i> . |
| RB | Dominated by <i>Urtica dioica</i> , <i>Galium aparine</i> , <i>Conium maculatum</i> , <i>Arrhenatherum elatius</i> and <i>Lolium perenne</i> with occasional trees and scrub comprising <i>Quercus robur</i> , <i>Salix</i> sp, <i>Crataegus monogyna</i> and <i>Rubus fruticosus</i> . |

CHANNEL
VEGETATION

- | | |
|----|---|
| LS | Patchy fringe of <i>Glyceria maxima</i> , <i>Rorippa nasturtium-aquaticum</i> , <i>Phalaris arundinacea</i> , <i>Carex riparia</i> and <i>Iris pseudacorus</i> . |
| RS | Virtually continuous fringe of <i>Phalaris arundinacea</i> , <i>Glyceria maxima</i> , <i>Rorippa nasturtium-aquaticum</i> , <i>Carex riparia</i> , <i>Typha latifolia</i> , <i>Filipendula ulmaria</i> and <i>Angelica sylvestris</i> . |

Frequent aquatics are present comprising *Ranunculus aquatilis*, *Sparganium emersum*, *Potamogeton pectinatus*, *Lemna minor*, *Sagittaria sagittifolia* and *Callitriche* sp.

FEATURES OF
INTEREST

Channel vegetation and adjacent habitats.

CODE: LOUS 056

Ecosurveys Ltd

THREATS

None.

FAUNA

Siskin, kestrel, mute swan and moorhen. Comma butterfly.

NUMBER OF SPECIES
RECORDED

51.

SECTION CODE

LOUS 056

DATES SURVEYED

3/8/94

SURVEYORS NAME

B. Hiedley

Asple	adi	87	Annop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
3	mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
4	rut	89	Anaga	arv	175	Calys	pul	262	Circ	x int	349		tet	438	Helia	num
	tri	90		ten	176		sep	263		lut	350	Erige	ace	439	Heile	foe
	tri	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
	vir	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		sph
8	Athyr	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
	Blech	95	Anten	dio	181		rapunculo	268		hel	355		vag	444	Hiera	agg
	Botry	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
	Ceter	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
12	Crypt	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	rha
13	Cysto	99	Anthr	syl	185	Carda	ama	272	Cliho	vul	359	Erysi	che	448	Hippo	vul
	Dipha	100	Anthy	vul	186		flie	273	Cochl	ang	360	Duony	eur	449	Holcu	lan
	Dryop	101	Aphan	arv	187		hir	274		dan	361	Eupat	can	450		mol
		102		arv	188		imp	275		*off	362	Dapho	any	451	Honke	peo
17		103		mic	189		pra	276		off	363		exi	452	Horde	mur
18		104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
19	ore	105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humil	lup
20	arv	106		nod	192		nut	279	Coniu	mac	366		peplus	455	Hyaci	non
21	flu	107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
22	hye	108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23	palust	109	Arabi	hit	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
24	syl	110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
25	tel	111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
26	var	112		min	198		cur	285		squ	372		*ovina	461		hum
27	Gymno	113		min	199		dem	286	Coryd	cla	373		pra	462		mac
28	per	114	Arena	*ser	200		dia	287		lut	374		*rubra	463		mon
29	aymen	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
30	Isoet	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
31	Lycop	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
32	Ophio	118	Arrhe	ela	204		ech	291	Crata	mon	378	Filip	ulm	467	Hypoc	rad
33	Oreop	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	aqu
34	Osmun	120		mar	206		ext	293	Crepi	bie	380	Foeni	vul	469	Inpat	gla
35	Phego	121		vul	207		flacca	294		cap	381	Fraga	ves	470		nol
36	Phyll	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
37	Polyp	123	Asper	cyn	209		hos	296		ves	383	Fraxi	exc	472	Inula	con
38		124	Ast*nov	b	210		lae	297	Crypt	jap	384	Fumar	mur	473	Iris	foe
39		125		tri	211		las	298	Cymba	mur	385		off	474		pse
40		126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
41	Polys	127		gly	213	mur	lag	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42		128	Atrip	gla	214		nig	301	Cyris	sco	388		spe	477	Junc	acuti
43	Pterid	129		lac	215		otr	302	Dacty	glo	389		*tet	478		art
44	Selag	130		lit	216		ova	303	Dacty	fuc	390		*tet	479		*buf
45	Abies	131		pat	217		pal	304		inc	391	Galin	cil	480		buf
46		132		pro	218		panicea	305		mac	392		par	481		*bul
47		133	Atrop	bel	219		panicula	306		pra	393	Galiu	apa	482		bul
48	Acer	134	Avena	fat	220		pen	307		pur	394		cru	483		conгло
49		135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		eff
50		136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
51	Achil	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
52		138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		koc
53	Acino	139	Barba	int	225		rip	312		fle	399		*pal	488		mar
54	Aconi	140		ver	226		rostra	313	Desma	mar	400		pal	489		squ
	Acoru	141		vul	227		ser	314		rig	401		saxat	490		subnod
56	Adoxa	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
57	Aegop	143	Berber	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
58	Aescu	144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	ela
59	Aethu	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
60	Agrim	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	agg
61		147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
62	Agros	148	Biden	cer	234	Catab	agu	321	Draba	inc	408		cam	497	Lamia	gal
63		149		tri	235	Centa	mon	322	Drose	int	409	Geran	col	498	Lamiu	alb
64		150	Black	per	236		nig	323		rot	410		dis	499		amp
65		151	Blysm	com	237		sca	324	Echiu	vul	411		end	500		hyb
66		152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
67		153		syl	239		pul	326		mul	413		molle	502		pur
68	Aira	154	Brass	nsp	240	Centr	rub	327		palust	414		pha	503	Lapsa	com
69		155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
70	Ajuga	156		rap	242		dif	329		uni	416		pus	505		x eur
71	Alche	157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		kae
72		158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	squ
73		159		ere	245		sem	332		nut	419		san	508	Lathy	mon
74		160	hor	hor	246		com	333	Elymu	can	420		syl	509		pra
75		161		ram	247	Chaen	min	334		far	421	Geum	x int	510		syl
76	Alism	162		ste	248	Chaer	tem	335		pyc	422		riv	511	Lemna	gib
77	Allia	163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		minor
78	Alliu	164	Buddl	dav	250	Chame	ang	337	Empet	nig	424	Glauc	fla	513		pol
79		165	Butom	umb	251	Cheli	maj	338	Epilo	bru	425	Glaux	mar	514		tri
80		166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	aut
81		167	Cala	can	253		bon	340		hir	427	Glyce	dec	516		his
82	Alnus	168		epi	254	Chene	mur	341		montan	428		flu	517		tar
83	Alope	169	Calli	agg	255		pol	342		obs	429		max	518	Lepid	can
84		170		nan	256		rub	343		pal	430		x ped	519		het
85		171		obt	257	Chrys	seg	344		par	431		pli	520		ruc
86		172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	vul
					259		opp	346		tet	433		uli	522	Leymu	are
											434	Groen	den			
											435	Gymna	con			

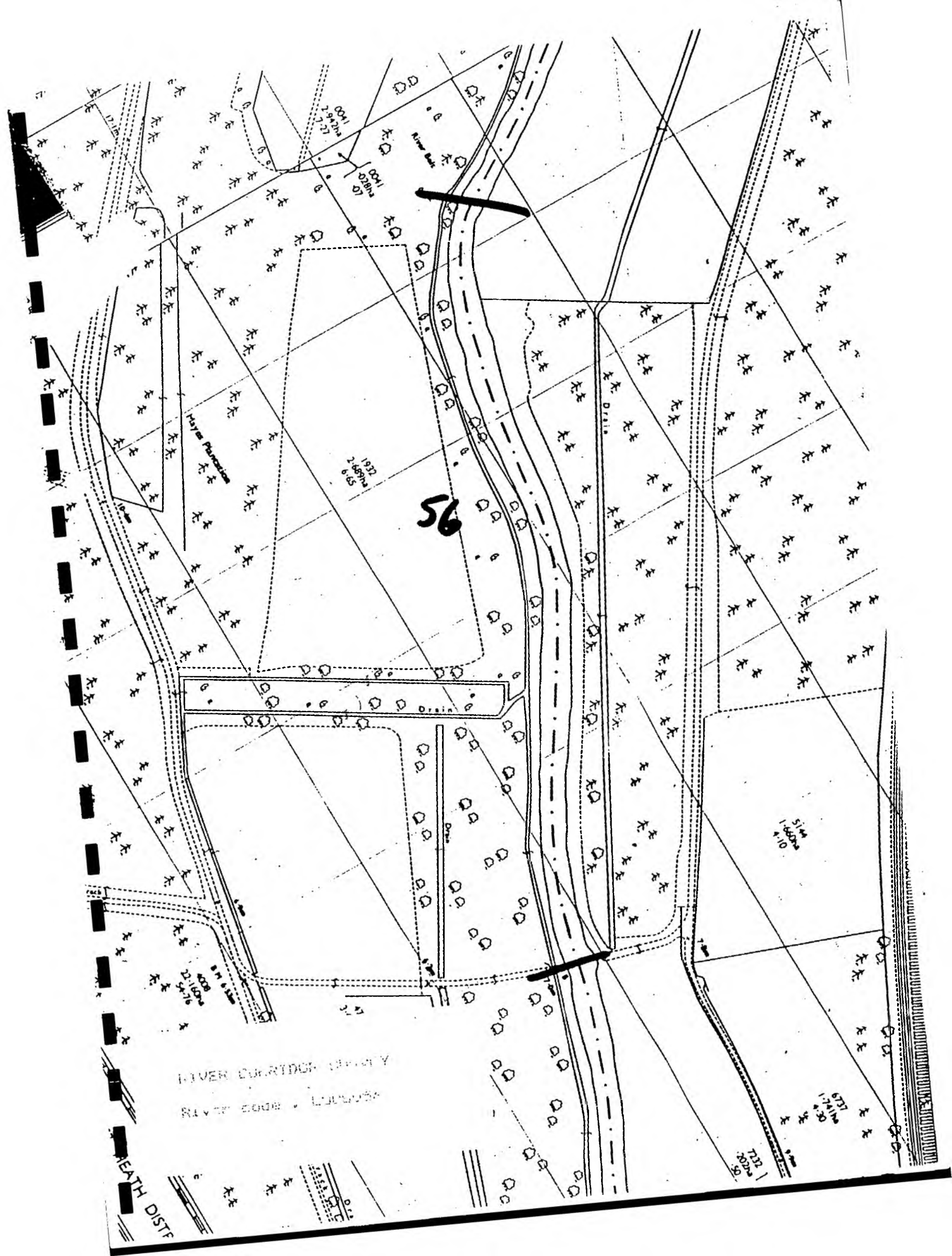
523	Ligus	ova	612	Odont	ver	694	Potam	alp	781	Rumex	*ace*	868	Solid	can	955	Valer	dio
524		vul	613	Oenan	aqu	695		ber	782		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	783		acetosa	870		vir	957	Valer	l
526	Limon	vul	615		fis	697		gra	784		con	871	Sonch	arv	958	Verba	n
527	Linar	pur	616		lac	698		luc	785		crispus	872		asp	959		th
528		rep	617	Oenct	cam	699		nat	786		hyd	873		ole	960	Verbe	off
529		vul	618		ery	700		obt	787		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin F	788		obt O	875		auc	962		a
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		a
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	ang F	964		b
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		ere O	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	879		min	966		change
535	Loliu	mul	624	Orchi	mas	706		ans	793		ape	880		ang	967		f
536		per F	625		mor	707		arg	794		mar	881	Spart	ang	968		h
537	Lonic	per	626	Origa	vul	708		erecta	795		nod	882	Sperg	arv	969	hed	hed
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mari	970	hed	luc
539		uli	628	Ornit	per	710		rep	797	Sagit	sag O	884		med	971		m
540	Lunar	ann	629	Oxali	ace	711		ste	798	Salic	agg	885		rub	972		o
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	Salix	alb	886	Spira	agg	973		pers
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		pol
543		mul	632		rho	714		vul	801		cap	888		x amb	975		scu
544		pil	633		som	715		vu x ve	802		ole	889		off	976		s
545		syl	634	Parap	str	716	Prune	vul	803		fra	890		pa O	977	Vibur	l
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		syl	978		o
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	a's	979	Vicia	cra
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hir
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		l
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri	895		*ad	982	sat	n
551		num	640		syl	722		spi	809		vim	896		ad	983	sat	sat
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	kal	897		neg	984		sep
553		vul	642	Petas	alb	724	Pucci	dis	811	Sanbu	ebu	898		em	985		a
554	Lythr	por	643		fra	725		mar	812		nig O	899	Suaed	car	986		t
555		sal O	644		hyb	726		oys O	813	Samol	val	900	Succi	pra	987	Vinca	m
556	Mahon	aqu	645	Phala	aru F	727	Pulmo	off	814	Sangu	min	901	Symph	riv	988		min
557	Malus	syl	646		can	728	Pyrol	min	815		off	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903		x upl	990		c
559		neg	648		pra	730	Querc	cer	817	Sapon	off	904	Syrin	vul	991		h
560		syl	649		pra	731		ile	818	Saxif	gra	905	Tamis	com	992		lee
561	Marru	vul	650		pra	732		pet	819		hyp	906	Tanac	par	993		odorat
562	Matri	mat	651	Phrag	aus	733		rob O	820		ste	907		vul	994		pal
563		rec	652	Picea	abi	734	Ranun	acr F	821		tri	908	Tarax	agg O	995		r
564	Mecon	cam	653		sit	735		*agu F	822	spa x	umb	909	Taxus	bac	996		r
565	Medic	ara	654	Picri	ech	736		aqu	823	Scabi	col	910	Teu	soro	997		tri
566		lup	655		hie	737		aur	824	Schoe	lac	911	Thali	fla	998	Viscu	alb
567	sat	sat	656	Pimpi	maj	738		bulbo	825		tab	912		min	999	vulpf	bro
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		m
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pli	1001	Wahle	h
570		uni	659	Pinus	con	741		bul	828		syl	915	Thym	pra	1002	Zanni	par
571	Melil	alb	660		nig	742		fic	829	Scler	ann	916	Tilia	cor	1003	Popul	nig
572		alt	661		syl O	743		fla	830	Scrop	aur	917		x vul	1004	Tilia	pl
573		off	662	Plant	cor O	744		hed	831		nod	918	Tori	jap	1005	Cerat	o
574	Menth	aqu	663		lan O	745		lingua	832		umb	919		nod	1006	Amara	t
575		arv	664		maj O	746		oni	833	Scute	gal	920	Trajo	pra	1007	Salix	agg
576	x	pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	flu
577	x	ver	666		med	748		pen	835	Sedum	acr	922	Trifo	arv	1009	Poa	ang
578	x	vil	667	Plata	bif	749		repens R	836		alb	923		cam	1010	Helia	
579	Menya	tri	668		chl	750		scr	837		ang	924		dub	1011	Heli	m
580	Mercu	per	669	Poa	ann R	751		tri	838		ref	925		fra	1012	Anthe	tin
581	Miliu	eff	670		com	752	Rapha	rap	839		rosea	926		hyb	1013	Ocnot	str
582	Mimul	agg	671		nemor	753	Resed	lut	840		tel	927		medium	1014	Gallu	
583	Moehr	tri	672		*pra	754		luteola	841	Senec	tec	928		mic	1015	Gallu	
584	Molin	cae	673		pra	755	Reyno	jap	842		aqu	929		pra	1016	Bromu	arv
585	Monti	fon	674		sub	756		se	843		eru	930		rep O	1017	Menth	spi
586		per	675		tri F	757	Rhamn	car	844		lac R	931	Triql	ndf	1018	Anthr	car
587		sib	676	Polyg	ser	758	Rhin	*min	845		squ	932		pal	1019	Chara	
588	Mycel	mur	677		vul	759	Rhodo	por	846		syl	933	Tripl	ino	1020	Stell	
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vis	934		mar	1021	Hotto	pal
590		dis	679	Polyg	amp R	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	lan
591		lax	680		are	762		nig	849	vul f	lig	936	Trit	x cro	1023	Anchu	off
592		ram	681		*avi	763		rub	850	vul f	vul	937	Troll	eur	1024	Calli	
593	scorp		682		avi	764		san	851	Serra	tin	938	Tsuga	het	1025	Calli	
594		sec	683		bis	765		uva	852	Sesle	alb	939	Tussi	far	1026	Isati	tin
595		syl	684		hydro	766	torip	amp	853	Shera	arv	940	Typha	ang	1027	Atrip	sab
596	Myoso	aqu	685		lap	767		pal	854	Silau	sil	941		lat R	1028	Rumex	
597	Myric	gal	686		minus	768		syl	855	Silen	alba	942	Ulex	eur	1029	Bromu	
598	Myrio	alt	687		oxy	769	osa	agg	856		dio	943		gal	1030	Ulmus	
599		spi	688		per	770		arv	857		mar	944	Ulmus	gla	1031	Pontin	agg
600	Myrrh	odo	689		poly	771		*can	858		vul	945		pro	1032	Calam	syl
601	Narci	pse	690	Popul	alb	772		pim	859	Silyb	mar	946	Umbil	rup	1033	Azo	fil
602	Nardu	str	691		x canad F	773		*rub	860	Sinap	alb	947	Urtic	dio A	1034	Potam	
603	Narth	oss	692		x canes	774		rugosa	861		arv	948		ure			
604	Nastu	nig	693		tre	775		*tom	862	Sison	amo	949	Utric	aus			
605		*off O				776	Rubus	cae	863	Sisym	off	950		min			
606		off				777		cham	864		ori	951		vul			
607		x m				778		*fru F	865	Sium	lat	952	Vacci	myr			
608	Neott	nid				779		ida	866	Solan	dul	953		oxy			
609	Nepet	cat				780		sax	867		nig	954		vit			
610	Nupha	lut															
611	Nymph	alb															

Physical and Habitat Data

River Section No: LOUS 056

Date: 3/8/94

	Feature	Section Data	Input
1	Riffles		0
2	Pools		0
3	Cliffs		2
4	Berms		0
5	Meanders		0
6	Riparian Strip Left Bank - % Length	100 %	D
7	Riparian Strip Right Bank - % Length	0 100 %	2 A
8	Trapezoidal Channel	(Y)N	Y
9	Land Use - Left Bank	A.G.(W).S.H.I.L.(S).IG.RG	SGr
10	Land Use - Right Bank	A.G.(W).S.H.I.L.(S).IG.RG	W
11	Trees - Dense	L/R	D
12	Trees - Scattered	(Y)B	W
13	Scrub - Dense	L/R	D
14	Scrub - Scattered	L/R	W
15	Emergent Fringe - Left Bank % Length	85 %	Y
	Emergent Fringe - Right Bank % Length	95 %	



95

RIVER CORRIDOR - DRAIN
River Code - LULUWA

NEATH DIST

Section Code: Lous 056



Photograph Number: 1

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River WITTE OUSE
Section WUS 0.54
Auditor B. RANTER

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Adequate - symbol for macrocat. aquatic not used.

Flow and current
features

Poor - no reference to flow velocity, etc on map

Substrate and physical
features

Poor - none given for substrate - little to record within the channel

MARGINAL ZONE

Plant communities

Good - generally well recorded though some slight inaccuracies.

Substrate and Physical features

Adequate - few features to record, some omitted (~~from~~ ~~and~~ ~~back~~).

LOUS 057

BANK ZONE

Trees

Poor - trees and shrubs not accurately recorded. LB more open than indicated - trees are set back.

Other plant communities

Adequate - major species recorded. Vegetation symbols confusing (V & v used throughout).

Physical features

Adequate - areas of erosion to RB omitted. Little else to record.

ADJACENT LAND USE

Land use

Adequate. Main areas covered - some inaccuracy in mapping. Fence to RB omitted - though may be new.

Habitat types

Adequate - grassland to RB d/s poorly recorded.

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



4. SUMMARY DESCRIPTION

Conditions



Typical features

Poor - very brief summary.

Marginal Vegetation LB & RB

Good - major species recorded

Banks LB & RB

Good - main communities recorded (though Carex on banks not noted).

Adjacent landuse LB & RB

Adequate - types listed.

Fauna

Good

Recreation

Adequate - no mention of footpath ~~noted~~ along RB.

Existing Management

Poor - not recorded

Threats

Good

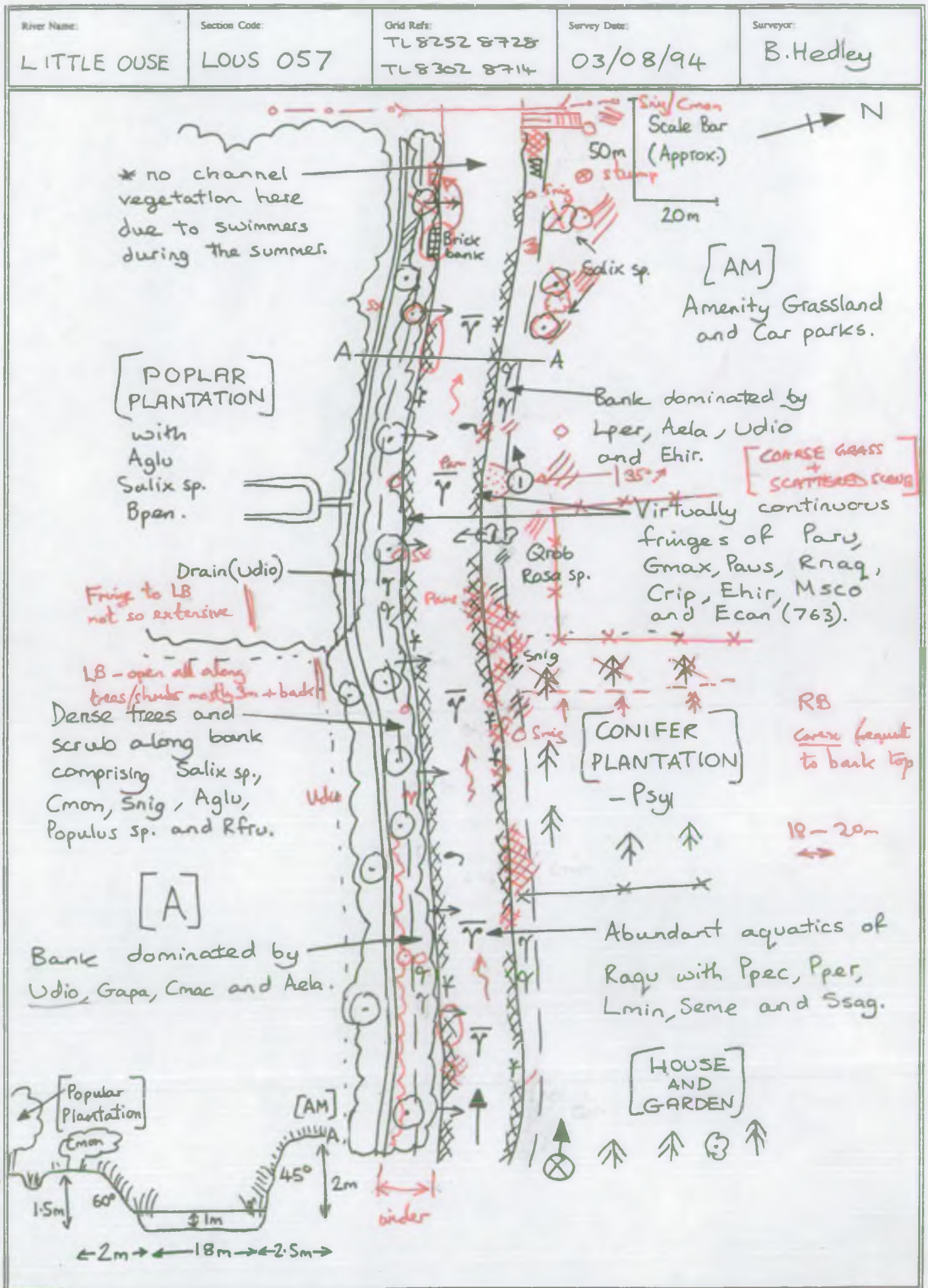
Suggested habitat improvement

None suggested.

6. GENERAL NOTES AND ASSESSMENT

Overall survey just adequate though mapping of trees a shrubs could be improved.

Score. $\frac{30}{51} = 58.8\%$



DATE: 3 August 1994

CODE: LOUS 057

Ecosurveys Ltd

CONDITIONS

Sunny and hot. Surveyed from right bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- | | | |
|-----|--------------|--|
| i | Broad nature | A fairly straight section of river with moderate flow and a soak drain to the left. |
| ii | Dimensions | 16-20m wide and 0.5-1.5m+ deep. |
| iii | Substrate | Silt, shingle, pebbles, cobbles and sand. |
| iv | Bank type | Both banks are earth, 0.5-2m high with 40°-70° slopes and occasional cliff area downstream on the right. |

LAND USE

- | | |
|----|--|
| LS | Poplar plantation and arable. |
| RS | Amenity grassland, car parks, conifer plantation and house and garden. |

BANK
VEGETATION

- | | |
|----|---|
| LB | Dominated by <i>Urtica dioica</i> , <i>Galium aparine</i> , <i>Conium maculatum</i> and <i>Arrhenatherum elatius</i> with abundant trees and scrub comprising <i>Salix</i> sp, <i>Crataegus monogyna</i> , <i>Sambucus nigra</i> , <i>Alnus glutinosa</i> , <i>Populus</i> sp and <i>Rubus fruticosus</i> . |
| RB | Dominated by <i>Lolium perenne</i> , <i>Arrhenatherum elatius</i> , <i>Urtica dioica</i> and <i>Epilobium hirsutum</i> with occasional trees and scrub comprising <i>Salix</i> sp, <i>Quercus robur</i> , <i>Sambucus nigra</i> and <i>Rosa</i> sp. |

CHANNEL
VEGETATION

Both sides have virtually continuous fringes of *Phalaris arundinacea*, *Glyceria maxima*, *Phragmites australis*, *Rorippa nasturtium-aquaticum*, *Carex rividula*, *Epilobium hirsutum*, *Myosotis scorpioides* and *Eupatorium cannabinum*.

FEATURES OF
INTEREST

Channel vegetation, trees and scrub lining the left bank and the site is fairly recently known as one of the last areas with breeding red-backed shrikes.

THREATS

A downstream area of the river is fairly deluded of vegetation by swimmers during the summer.

FAUNA

Moorhen. Redpoll and red admiral butterflies.

NUMBER OF SPECIES
RECORDED

60.

SECTION CODE

LOUS 057

DATES SURVEYED

3/8/94

SURVEYORS NAME

B. Hedde

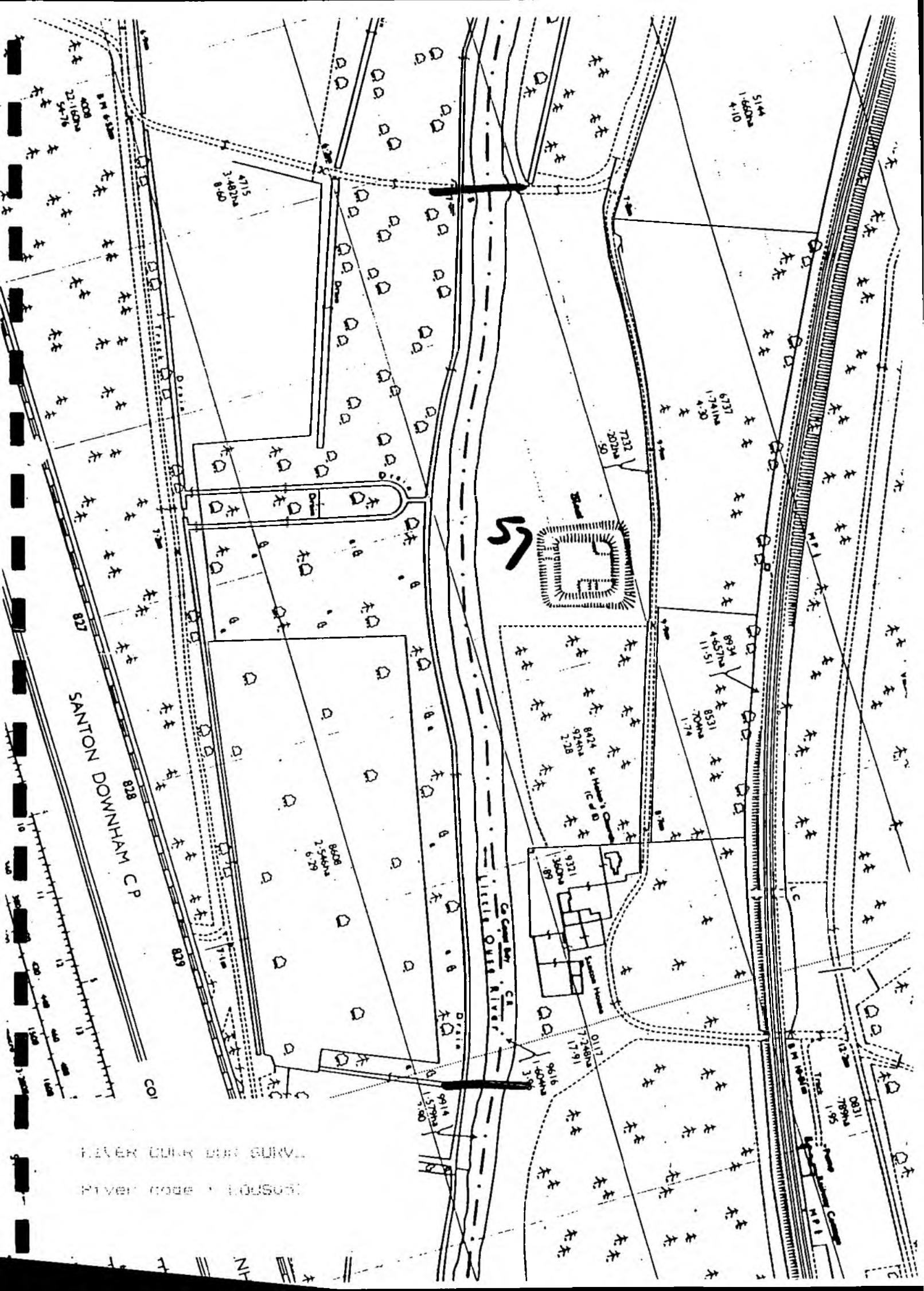
Asple	adi	87	Annop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
	mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
3	rut	89	Anaga	arv	175	Calys	pul	262	Circ x	int	349		tet	438	Helia	num
	tri	90		ten	176		scp	263		lut	350	Erige	ace	439	Helle	foe
	qua	91	Anchu	arv	177		tri	264	Cirsi	aca	351		can	440		vir
	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
7	vir	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		sph
8	Athyr	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
9	Blech	95	Anten	dio	181		rapunculo	268		hel	355		vag	444	Hiera	agg
10	Botry	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
	Ceter	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
12	Crypt	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	rha
13	Cysto	99	Anthr	syl	185	Carda	ana	272	Clino	vul	359	Erysi	che	448	Hippo	vul
14	Dipha	100	Anthy	vul	186		file	273	Cochl	ang	360	Eumy	eur	449	Holcu	lan
15	Dryop	101	Aphan	arv	187		hir	274		dan	361	Eupat	can	450		mol
		102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	pep
16		103		mic	189		pra	276		off	363		exl	452	Horde	mur
17		104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
18		105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humal	lup
19		106		nod	192		nut	279	Coniu	mac	366		peplus	455	Hyaci	non
20	Equis	107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
21		108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
22		109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
23	palust	110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
24		111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
25	tel	112		min	198		cur	285		squ	372		*ovina	461		hum
26	var	113		min	199		dem	286	Coryd	cla	373		pra	462		mac
27	ymno	114	Arena	*ser	200		dia	287		lut	374		*rubra	463		mon
28	uper	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
29	Hymen	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
30	Isoet	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
31	Lycop	118	Arrhe	ela	204		ech	291	Crata	mon	378	Ellip	ulm	467	Hypoc	rad
32	Ophio	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	agu
33	Oreop	120		mar	206		ext	293	Crepi	bie	380	Poeni	vul	469	Impat	gla
34	Osmun	121		vul	207		flacca	294		cap	381	Praga	ves	470		nol
35	Phego	122	Arum	mac	208		hir	295		pal	382	Prang	aln	471		par
36	Phyll	123	Asper	cyn	209		hos	296		ves	383	Praxi	exc	472	Inula	con
37	Polyp	124	Ast*nov	b	210		lae	297	Crypt	jap	384	Pumar	mur	473	Iris	foe
38		125		tri	211		las	298	Cymba	mur	385		off	474		pse
39	int	126	Astra	dan	212		lep	299	Cynos	off	386	Galan	niv	475	Isole	set
40	vul	127		gly	213		laq	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
41	Polys	128	Atrip	gla	214		nig	301	Cytis	sco	388		spe	477	Junc	acuti
42	set	129		lac	215		otr	302	Dacty	glo	389		*tet	478		art
43	Pteris	130		lit	216		ova	303	Dacty	fuc	390		tet	479		*buf
44	Selag	131		pat	217		pal	304		inc	391	Galini	cil	480		buf
45	Abies	132		pro	218		panicea	305		mac	392		par	481		*bul
46	gra	133	Atrop	bel	219		panicula	306		pra	393	Galii	apa	482		bul
47	pro	134	Avena	fat	220		pen	307		pur	394		cru	483		conгло
48	Acer	135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		eff
49		136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
50	pse	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
51	Achil	138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		koc
52	pta	139	Barba	int	225		rip	312		fle	399		*pal	488		mar
53	Acino	140		ver	226		rostra	313	Desma	mar	400		pal	489		squ
54	Acoru	141		vul	227		ser	314		rig	401		saxat	490		subnod
55	Adoxa	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
56	Aegop	143	Berber	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
57	Aescu	144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	ela
58	Aethu	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
59	Agrim	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	agg
60		147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
61	pro	148	Biden	cer	234	Catab	agu	321	Draba	inc	408		cam	497	Lamia	gal
62	Agros	149		tri	235	Centa	mon	322	Drose	int	409	Geran	col	498	Lamiv	alb
63		150	Black	per	236		nig	323		rot	410		dis	499		amp
64	cap	151	Blyan	com	237		aca	324	Echiu	vul	411		end	500		hyb
65	gig	152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
66	sto	153		syl	239		pul	326		mul	413		molle	502		pur
67	vin	154	Brass	nap	240	Centr	rub	327		palust	414		pha	503	Lapsa	com
68	Aira	155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
69		156		rap	242		dif	329		uni	416		pus	505		x
70	Ajuga	157	Briza	med	243		font	330	Eleog	flu	417		pyc	506		kae
71	Alche	158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	squ
72	fil	159		ere	245		sem	332		nut	419		san	508	Lathy	mon
73	fil	160		hor	246		tom	333	Elymu	can	420		syl	509		pra
74	gla	161		ram	247	Chaen	min	334		far	421	Geum x	int	510		syl
75	xan	162		ste	248	Chaer	ten	335		pyc	422		riv	511	Lemna	git
76	Alism	163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		minor
77	Allia	164	Buddl	dav	250	Chame	ang	337	Empet	nig	424	Glauc	fla	513		po
78	Alliu	165	Butom	umb	251	Cheli	maj	338	Epilo	bru	425	Glaux	mar	514		tr
79		166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	au
80	urs	167	Cala	can	253		bon	340		hir	427	Glyce	dec	516		hi
81	vin	168		epi	254	Chene	mur	341		montan	428		flu	517		ta
82	Alnus	169	Calli	agg	255		pol	342		obs	429		max	518	Lepid	ca
83	Alope	170		han	256		rub	343		pal	430		x ped	519		he
84		171		obt	257	Chrys	seg	344		par	431		pli	520		ru
85		172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	vu
86	pra				259		opp	346		tet	433		uli	522	Leymu	ar
											434	Groen	den			
											435	Gyma	con			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	701	Rumex	*ace*	868	Solid	can	955	Valer	dro
524		vul	613	Oenan	aqu	695		ber	702		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	783		acetosa	870		vir	957	Valer	loc
526	Limon	vul	615		fis	697		gra	784		con	871	Sonch	arv	958	Verba	n
527	Linar	pur	616		lac	698		luc	785		crispus	872		asp	959		th
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ole	960	Verbe	off
529		vul	618		ery	700		obt	787		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		nectin	788		obt	875		auc	962		a
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		a
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	ang	964		b
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		eme	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	879		ere	966		chamoe
535	Lolium	mi	624	Orchi	mas	706		ans	793		ape	880		min	967		f
536		per	625		mor	707		arg	794		mar	881	Spart	ang	968		h
537	Lonic	per	626	Origu	vul	708		erecta	795		nod	882	Sperg	arv	969	hed	hed
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mari	970	hed	luc
539		uli	628	Ornit	per	710		rep	797	Sagit	sag	884		med	971		mon
540	Lunar	ann	629	Oxali	ace	711		ste	798	Salic	agg	885		rub	972		o
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	Salix	alb	886	Spira	agg	973		pers
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		por
543		mul	632		rho	714		vul	801		cap	888		x amb	975		scu
544		pil	633		som	715		vu x ve	802		cin	889		off	976		ser
545		syl	634	Parap	str	716	Prune	vul	803		fra	890		pal	977	Vibur	l
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		Syl	978		o
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	als	979	Vicia	cra
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hir
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		l
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri	895		*mod	982	sat	n
551		num	640		syl	722		spi	809		vim	896		med	983	sat	s
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	kal	897		neg	984		sep
553		vul	642	Betas	alb	724	Pucci	dis	811	Sambu	ebu	898		nem	985		yl
554	Lythr	por	643		fra	725		mar	812		nig	899	Suaed	mar	986		t
555		sal	644		hyb	726	Pulic	dys	813	Samol	val	900	Succi	pra	987	Vinca	m
556	Mahon	aqu	645	Phala	aru	727	Pulmo	off	814	Sangu	min	901	Symph	civ	988		min
557	Malus	syl	646		can	728	Pyrol	min	815		off	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903		x upl	990		o
559		neg	648		pra	730	Querc	cer	817	Sapon	off	904	Syrin	vul	991		h
560		syl	649		pra	731		ile	818	Saxif	gra	905	Tamus	com	992		l
561	Marru	vul	650		pra	732		net	819		hyp	906	Tanac	par	993		odorat
562	Matri	mat	651	Phrag	aus	733		rob	820		ste	907		vul	994		pal
563		rec	652	Picea	abi	734	Ranun	acr	821		tri	908	Tarax	agg	995		a
564	Mecon	cam	653		sit	735		*agu	822	spa x	umb	909	Tarax	bac	996		u
565	Medic	ara	654	Picri	ech	736		agu	823	Scabi	col	910	Teu	scoro	997	tri	t
566		lup	655		hie	737		aur	824	Schoe	lac	911	Thali	fla	998	Viscu	alb
567	sat	sat	656	Pimpi	maj	738		bulbo	825		tab	912		min	999	Vulpf	bro
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		m
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pli	1001	Wahle	h
570		uni	659	Pinus	con	741		fic bul	828		syl	915	Thymu	pra	1002	Zanni	p
571	Melil	alb	660		nig	742		fic fic	829	Scler	ann	916	Tilia	cor	1003	Popul	nig
572		alt	661		syl	743		fla	830	Scrop	aur	917		x vul	1004	Tilia	pla
573		off	662	Plant	cor	744		hed	831		nod	918	Toril	jap	1005	Cerat	ch
574	Menth	aqu	663		lan	745		lingua	832		umb	919		nod	1006	Amara	n
575		arv	664		ma	746		omi	833	Scute	gal	920	Trago	pra	1007	Salix	agu
576	x	pip	665		mar	747		pel	834		min	921	Tr.ch	ces	1008	Ranun	flu
577	x	ver	666		med	748		pen	835	Sedum	acr	922	Trifo	arv	1009	Poa	anag
578	x	vil	667	Plata	bif	749		repens	836		alb	923		cam	1010	Helia	g
579	Menya	tri	668		chl	750		sce	837		ang	924		dub	1011	Heli	h
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	Anthe	cin
581	Millu	eff	670		com	752	Rapha	rap	839		rosea	926		hyb	1013	Ocnot	str
582	Mimul	agg	671		nemor	753	Resed	lut	840		tel	927		medium	1014	Galii	u
583	Moehr	tri	672		*pra	754		luteola	841	Senpe	tec	928		mic	1015	Galii	n
584	Molin	cae	673		pra	755	Reyno	jap	842	Senec	aqu	929		pra	1016	Bromu	n
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	spi
586		per	675		tri	757	Rhamn	cat	844		jac	931	Trigl	mar	1018	Anthr	cau
587		sib	676	Polyg	ser	758	Rhin	*min	845		agu	932		pal	1019	Chara	g
588	Mycel	mur	677		vul	759	Rhodo	pon	846		syl	933	Tripl	ino	1020	Stell	n
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vis	934		mar	1021	Hotto	p
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	lan
591		lax	680		are	762		nig	849	vul f	lig	936	Tril x	cro	1023	Anchu	off
592		ram	681		*avi	763		rub	850	vul f	vul	937	Troll	eur	1024	Calli	n
593		scorp	682		avi	764		san	851	Serra	tin	938	Tsuga	het	1025	Calli	n
594		sec	683		bis	765		uva	852	Sesle	alb	939	Tussi	far	1026	Isati	th
595		syl	684		hydro	766	Rorip	amp	853	Shera	arv	940	Typha	ang	1027	Atrip	sab
596	Myoso	agu	685		lap	767		pal	854	Silau	sil	941		lat	1028	Rumex	n
597	Myric	gal	686		minus	768		syl	855	Silen	alba	942	Ulex	eur	1029	Bromu	o
598	Myrio	alt	687		oxy	769	Rosa	agg	856		dio	943		gal	1030	Ulmus	n
599		spi	688		per	770		arv	857		mar	944	Ulmus	gla	1031	Pontin	agg
600	Myrrh	odo	689		poly	771		*can	858		vul	945		pro	1032	Calam	syl
601	Narci	pse	690	Popul	alb	772		pim	859	Silyb	mar	946	Umbil	rup	1033	Azo	fi
602	Nardu	str	691		x canad	773		*rub	860	Sinap	alb	947	Urtic	dio	1034	Potam	i
603	Narth	oss	692		x canes	774		rugosa	861		arv	948		ure			
604	Nastu	mic	693		tre	775		*com	862	Sison	amo	949	Utric	aus			
605		*off				776	Rubus	cae	863	Sisym	off	950		min			
606		off				777		cham	864		ori	951		vul			
607		x m				778		*fru	865	Sium	lat	952	Vacci	myr			
608	Neott	nid				779		ida	866	Solan	dul	953		oxy			
609	Nepet	cat				780		sax	867		nig	954		vit			
610	Nupha	lut															
611	Nymph	alb															

Physical and Habitat Data

River Section No: LOUS 057 Date: 3/8/1994

	Feature	Section Data	Input
1	Riffles		0
2	Pools		0
3	Cliffs		1
4	Berms		0
5	Meanders		0
6	Riparian Strip Left Bank - % Length	100 %	D
7	Riparian Strip Right Bank - % Length	0 %	A
8	Trapezoidal Channel	(Y)N	Y
9	Land Use - Left Bank	(A)G(W)S(H)I(L)SG(IG)RG	A
10	Land Use - Right Bank	A(G)W(S)(H)I(L)SG(IG)RG	G
11	Trees - Dense	(L)R	L
12	Trees - Scattered	L(R)	R
13	Scrub - Dense	L/R	D
14	Scrub - Scattered	(L/R)	U
15	Emergent Fringe - Left Bank % Length	90 %	Y
	Emergent Fringe - Right Bank % Length	95 %	



RIVER CLARK DIST SURV.
River Code: 100500

Section Code: LOUS 057



Photograph Number: |

Ecosurveys Ltd

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River LITTLE OUSE
 Section LOUS 058
 Auditor P. COLLINS

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Adequate - location of different species not given. Submerged monocot symbol not used

Flow and current features

Poor/Adequate - given in description - flow direction given vs not ds.

Substrate and physical features

Poor/Adequate - given in description.

MARGINAL ZONE

Plant communities

Adequate - location of different species not given.

Substrate and Physical features

Adequate - given in description.

BANK ZONE

Trees

Poor - trees omitted or in wrong places.

Other plant communities

Poor - large area of bank dominated by Crip d/s - not mentioned

Physical features

Adequate - slumping to LB not recorded

ADJACENT LAND USE

Land use

Poor - drain stated as occurring to LB is not there for much of the section
RB has wide ride between bank top trees and plantation.

Habitat types

Adequate - no species given for SNG.

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



Good - LB is slumping - there aren't cliffs otherwise good.

4. SUMMARY DESCRIPTION

Conditions



Typical features

Adequate - very short.

Marginal Vegetation LB & RB

Adequate - Crip is dominant to RB - but this is not sketched.

Banks LB & RB

Poor / Adequate - RB has extensive areas of emergent vegetation.
Description doesn't state that LB is much lower than RB throughout.

Adjacent landuse LB & RB

Adequate - there is a 20m wide ridge with Crip to ReRB.

Fauna

Good - but is skink + common shrew relevant?

Recreation

Good - nothing to record

Existing Management

Poor - LB is grazed + proached + slumping. RB has been raised in the past

Threats

Good - none recorded

Suggested habitat improvement

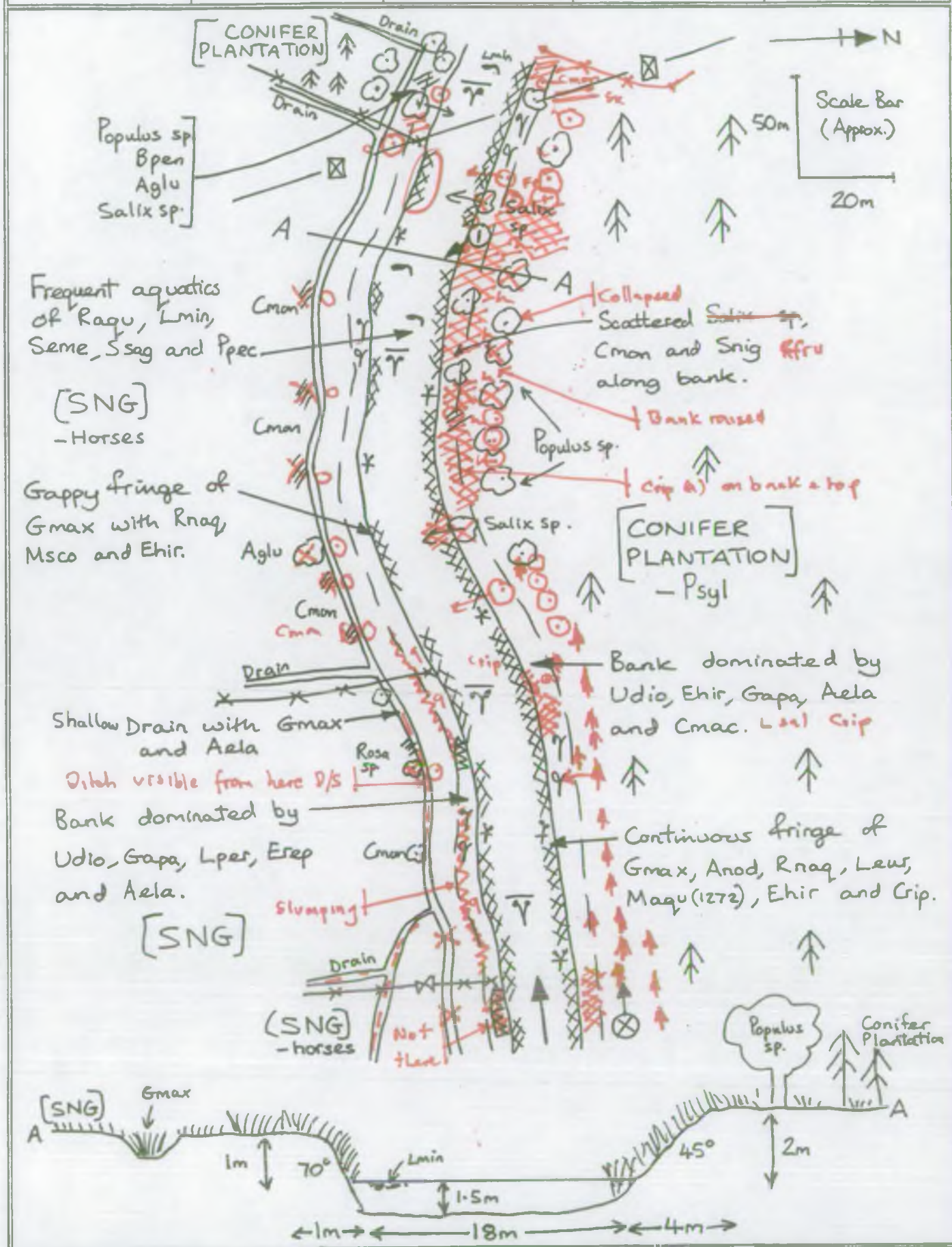
Poor - None recorded.

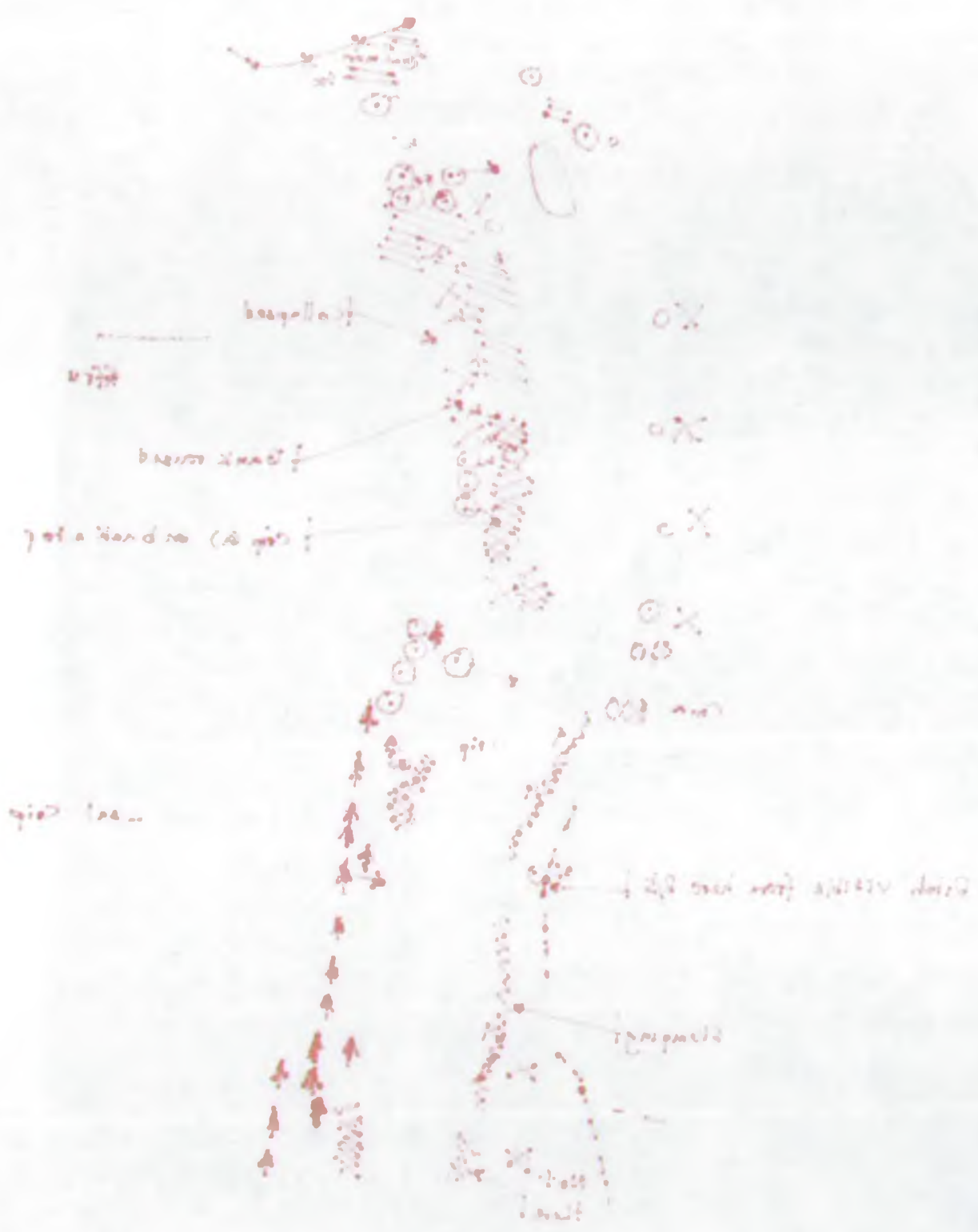
6. GENERAL NOTES AND ASSESSMENT

An easy section that has been poorly surveyed. The few features of the LB are mainly misplaced. Important features on the right bank have been ignored.

$$\frac{27}{51} = 53\%$$

River Name:	Section Code:	Grid Refs:	Survey Date:	Surveyor:
LITTLE OUSE	LOUS 058	TL 8302 8714 TL 8350 8713	03/08/94	B. Hedley





DATE: 3 August 1994

CODE: LOUS 058

Ecosurveys Ltd

CONDITIONS

Sunny and hot. Surveyed from right bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- i Broad nature A curving section of river with slow flow and a soak drain to the left.
- ii Dimensions 18-20m wide and 0.5-1.5m deep.
- iii Substrate Silt, shingle and pebbles.
- iv Bank type Both banks are earth, 0.5-3m high with 40°-85° slopes with occasional cliff areas upstream on the left.

LAND USE

- LS Horse-grazed semi-improved grassland and conifer plantation.
- RS Conifer plantation. *set back with 20m min. ride with Crip (n) locally*

BANK VEGETATION

- LB Dominated by *Urtica dioica*, *Galium aparine*, *Lolium perenne*, *Elymus repens* and *Arrhenatherum elatius* with occasional trees and scrub at the downstream end comprising *Populus* sp, *Betula pendula*, *Alnus glutinosa* and *Salix* sp. *- Grazed throughout till d.f. - grazes (d)*
- RB Dominated by *Urtica dioica*, *Epilobium hirsutum*, *Galium aparine*, *Arrhenatherum elatius* and *Conium maculatum* with occasional trees and scrub downstream comprising *Salix* sp, *Crataegus monogyna*, *Sambucus nigra* and *Populus* sp. *Cip often (d) - Para (d) locally on lower bank*

CHANNEL VEGETATION

- LS Gappy fringe of *Glyceria maxima* with *Rorippa nasturtium-aquaticum*, *Myosotis scorpioides* and *Epilobium hirsutum*.
- RS Continuous fringe of *Glyceria maxima*, *Apium nodiflorum*, *Rorippa nasturtium-aquaticum*, *Lycopus europaeus*, *Mentha aquatica*, *Epilobium hirsutum* and *Carex riparia*. *Crip is (d) throughout.*

Frequent aquatic vegetation is present comprising *Ranunculus aquatilis*, *Lemna minor*, *Sparganium emersum*, *Sagittaria sagittifolia* and *Potamogeton pectinatus*.

FEATURES OF INTEREST

Channel vegetation and semi-improved grassland to the left.

CODE: LOUS 058

Ecosurveys Ltd

THREATS

None.

FAUNA

Moorhen and siskin. Common shrew.

**NUMBER OF SPECIES
RECORDED**

63.

SECTION CODE

LOUS 058

DATES SURVEYED

3/8/94

SURVEYORS NAME

B. Hedley

Asple	adi	87	Anmop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por		
	mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel		
3	rut	89	Anaga	arv	175	Calys	pul	262	Circ x	int	349		tet	438	Helia	num		
4	tri	90	ten		176	<u>scp</u>		263		lut	350	Erige	ace	439	Helle	foe		
	qua	91	Anchu	arv	177	<u>sil</u>		264	Cirsi	aca	351		can	440		vir		
	tri	92	Andro	pol	178	sol		265	<u>arv</u>	A	352	Erinu	alp	441	Herac	man		
	vir	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		<u>sph</u>		
8	Athyr	94	<u>Angel</u>	svl	C	180	lat	267		eri	354		lat	443	Hespe	mat		
9	Blech	95	Anten	dio		181	rapunculo	268		hel	355		vag	444	Hiera	agg		
	Botry	96	Anthe	arv		182	rot	269		pal	356	Erodi	cic	445		pil		
	Ceter	97		cot		183	tra	270		vul	357	Eroph	ver	446	Hippo	com		
12	Crypt	98	<u>Antho</u>	oda	F	184	Capse	bur	271	Ciema	vit	358	Eryng	mar	447	Hippo	rha	
13	Cysto	99	Anthr	syl		185	Carda	ama	272	Cli no	vul	359	Erysi	che	448	Hippu	vul	
	Dipha	100	Anthy	vul		186		file	273	Cochl	ang	360	<u>Bugrv</u>	eur	449	<u>Holcu</u>	lan	
	Dryop	101	Aphan	arv		187		hir	274		dan	361	<u>Arpat</u>	can	450		<u>mol</u>	
		102		arv		188		imp	275	*off		362	<u>Bupho</u>	amy	451	Honke	pen	
17		103		mic		189		pra	276	off		363		exi	452	Horde	mur	
18		104	Apium	gra		190	Carda	dra	277	Coelo	vir	364		hel	453		sec	
19	ore	105		inu		191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup	
20	<u>Equis</u>	106		<u>nod</u>	O	192		nut	279	<u>Coniu</u>	mac	366		peplus	455	Hyaci	non	
21	flu	107	Aquil	vul		193	Carex	acuta	280	<u>Conop</u>	maj	367	<u>Buphr</u>	agg	456	Hydro	vul	
22	hye	108	Arabi	tha		194		<u>acuti</u>	281	<u>Conva</u>	maj	368	Fagus	syl	457	Hyosc	nig	
23	palust	109	Arabi	hir		195		are	282	<u>Convo</u>	arv	369	Fallo	con	458	Hyper	and	
24	syl	110	Arcti	lap		196		bin	283	Cornu	san	370	Festu	aru	459		elo	
25	tel	111		<u>min</u>	R	197		caryop	284	Coron	did	371		gig	460		hirsut	
26	var	112	min	<u>min</u>		198		cur	285		squ	372		*ovina	461		hum	
27	Tymno	113	min	nem		199		dem	286	Coryd	cla	373		pra	462		mac	
28	uper	114	Arena	*ser		200		dia	287		lut	374		<u>rubra</u>	F	463	mon	
29	Hymen	115		ser		201		dio	288	Coryl	ave	375		viv		464	perfor	
30	Isoet	116	Armer	mar		202		distan	289	Coton	mic	376	Filag	min	465		pul	
31	Lycop	117	Armor	rus		203		disticha	290		sim	377		vul	466		tet	
32	Ophio	118	<u>Arthe</u>	ela	A	204		ech	291	<u>Crata</u>	mon	378	Filip	ulm	467	Hypoc	rad	
33	Oreop	119	Artem	abs		205		ela	292		lae	379		vul	468	Ilex	aqu	
34	Osmun	120		mar		206		ext	293	Crepi	bie	380	Foeni	vul	469	Impat	gla	
35	Phego	121		vul		207		flacca	294		cap	381	Fraga	ves	470		nol	
36	Phyll	122	Arum	mac		208		<u>hir</u>	295		pal	382	Frang	aln	471		par	
37	Polyp	123	Asper	cyn		209		nos	296		ves	383	Praxi	exc	472	Inula	con	
38		124	Ast* nov-b			210		lae	297	Crypt	jap	384	Fumar	mur	473	Iris	foe	
39		125		tri		211		las	298	Cynba	mur	385		off	474		pse	
40		126	Astra	dan		212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set	
41	Polys	127		gly		213	mur	laq	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon	
42		128	Atrip	gla		214		nig	301	Cyris	sco	388		spe	477	Junc	acuti	
43	Pteri	129		lac		215		otr	302	<u>Dacty</u>	glo	389		<u>tet</u>	C	478		art
44	Selag	130		lit		216		ova	303	<u>Dacty</u>	fuc	390		<u>tet</u>		479		*buf
45	Abies	131		pat		217		pal	304		inc	391	Galin	cil	480		buf	
46		132		pro		218		panicea	305		mac	392		par	481		*bul	
47		133	Atrop	bel		219		panicula	306		pra	393	<u>Galiu</u>	apa	F	482		bul
48	Acer	134	Avena	fat		220		pen	307		pur	394		eru		483		conglu
49		135	Avenu	pra		221		pil	308	Danth	dec	395		elo		484		eff
50		136		pub		222		pse	309	Daphn	lau	396		*mol		485		ger
51	<u>Achil</u>	137	Balde	ran		223		pul	310	Daucu	car	397		mol		486		inflex
52		138	Ballo	nig		224		rem	311	Desch	ces	398		odorat		487		koc
53	Acino	139	Barba	int		225		<u>rip</u>	312		file	399		*pal		488		mar
	Aconi	140		ver		226	rostra		313	Desma	mar	400		pal		489		squ
	Acoru	141		vul		227		ser	314		rig	401		saxat		490		subnod
56	Adoxa	142	Belli	per		228		spi	315	Digit	pur	402		ste		491		ten
57	Aegop	143	Berbe	vul		229		sylv	316	Diplo	mur	403		uli		492	Junip	com
58	Aescu	144	Berul	ere		230		ves	317		ten	404		<u>ver</u>	O	493	Kickx	ela
59	Aethu	145	Beta	mar		231	Carli	vul	318	Dipsa	ful	405	Genis	ang		494	Knaut	arv
60	Agrim	146	<u>Betul</u>	pen	R	232	Carpi	bet	319		pil	406		tin		495	Koele	agg
61		147		pub		233	Casta	sat	320	Doron	par	407	Genti	ama		496	Labur	ana
62	Agros	148	Biden	cer		234	Catab	aqu	321	Draba	inc	408		cam		497	Lamia	gal
63		149		tri		235	Centa	mon	322	Drose	int	409	Geran	col		498	<u>Lamiu</u>	alb
64		150	Black	per		236		nig	323		rot	410		dis		499		amp
65		151	Blysm	com		237		sca	324	Echiu	vul	411		end		500		hyb
66		152	Brach	pin		238	Centa	ery	325	Eleoc	aci	412		luc		501		mac
67		153		syl		239		pul	326		mul	413		molle		502		pur
68	Aira	154	Brass	nap		240	Centr	rub	327		palust	414		pha		503	Lapsa	con
69		155		nig		241	Ceras	arv	328		qui	415		pra		504	Larix	dec
70	Ajuga	156		rap		242		dif	329		uni	416		pus		505		x
71	Alche	157	Briza	med		243		font	330	Eleog	flu	417		pyr		506		kae
72	fil	158	Bromu	com		244		glo	331	Elode	can	418		<u>robert</u>	C	507	Lathr	squ
73	fil	159		ere		245		sem	332		nut	419		san		508	Lathy	mor
74		160	hor	hor		246		tom	333	<u>Elymu</u>	can	420		syl		509		pra
75		161		<u>ram</u>		247	Chaen	min	334		lar	421	Geum x	int		510		sy
76	Alism	162		<u>ste</u>	F	248	Chae	tem	335		pyc	422		riv		511	Lemna	gil
77	<u>Allia</u>	163	Bryon	oto		249	Chama	law	336		<u>rep</u>	F	423	urb		512		<u>mino</u>
78	Alliu	164	Buddl	dav		250	Chame	ang	337	Erpet	nig	424	Glauc	fla		513		po
79		165	Butom	umb		251	Cheli	maj	338	Epilo	bru	425	Glaux	mar		514		tr
80		166	Cakil	mar		252	Chene	alb	339		cil	426	Glech	hed		515	Leont	au
81		167	Calu	can		253		bon	340		<u>hir</u>	F	427	Glyce	dec	516		hi
82	<u>Alnus</u>	168		epi		254	Chene	mur	341		montan	428		flu		517		ta
83	Alope	169	Calli	agg		255		pol	342		obs	429		<u>max</u>	F	518	Lepid	ca
84		170		han		256		rub	343		pal	430		x-ped		519		he
85		171		obt		257	Chrys	seg	344		par	431		pli		520		ri
86		172		sta		258	Chrys	alt	345		ros	432	Gnaph	syl		521	Leuca	vi
						259		opp	346		tet	433		uli		522	Leymu	ai
												434	Groen	den				

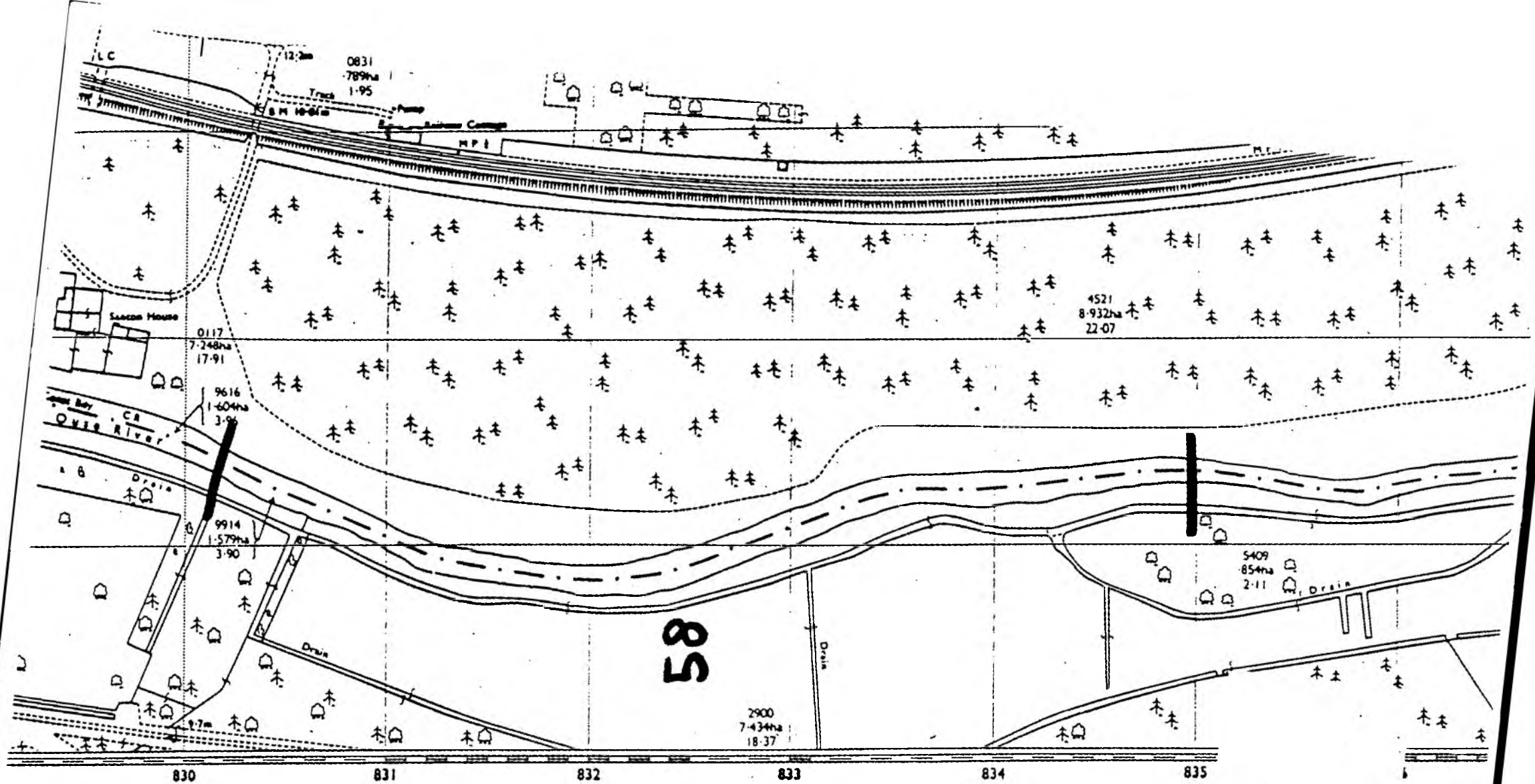
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524		vul	613	Oenan	agu	695		ber	702		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	703		acetosa	870		vir	957	Valer	loc
526	Limon	vul	615		fis	697		gra	704		con	871	Sonch	arv	958	Verba	n
527	Linar	pur	616		lac	698		luc	705		crispus	872		asp	959		tha
528		rep	617	Oenot	cam	699		nat	706		hyd	873		ole	960	Verbe	ort
529		vul	618		ery	700		obt	707		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		per	708		obt	875		auc	962		ap
531	Liste	ova	620	Ononi	rep	702		pol	709		san	876		int	963		at
532	Litho	arv	621		spi	703		pus	710		acu	877	Sparg	ang	964		ba
533		off	622	Onopo	aca	704			711		*ape	878		eme	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	712		ape	879		ere	966		chan
535	Lolii	mul	624	Orchi	mas	706		ans	713		ape	880		min	967		f
536		per	625		mor	707		arg	714		mar	881	Spart	ang	968		ho
537	Lonit	per	626	Origa	vul	708		erecta	715		nod	882	Sperg	arv	969	hed	ho
538	Lotus	cor	627	Ornit	umb	709		pal	716	Prune	pro	883	Sperg	mari	970	hed	luc
539		uli	628		per	710		rep	717	Prunu		884		med	971		mon
540	Lunar	ann	629	Oxali	ace	711		ste	718		agg	885		rub	972		o
541	Lupin	arb	630	Papav	arg	712	Primu	lar	719		alb	886	Spira	agg	973		pers
542	Luzul	cam	631		dub	713		ver	720		aur	887	Stach	arv	974		pot
543		mul	632		rho	714		vul	721		cap	888		x amb	975		scu
544		pil	633		som	715		vu x ve	722		ole	889		off	976		ser
545		syl	634	Parap	str	716		vul	723	Pseud	fra	890		pal	977	Vibur	l
546	Lychn	flo	635	Parie	jud	717		avi	724	Pucci	pal	891		Syl	978		o
547	Lyciu	bar	636	Paris	qua	718		cerasus	725		pen	892	Stell	als	979	Vicia	cra
548		chi	637	Parna	pal	719		dom	726	Pulic	phy	893		gra	980		hir
549	Lycop	eur	638	Pasti	sat	720		laur	727	Pulmo	pur	894		hol	981		l
550	Lysim	nem	639	Pedic	pal	721		pad	728	Pyrrol	repens	895		*med	982	sat	n
551		num	640		syl	722		spi	729	Pyrus	tri	896		med	983	sat	sa
552		pun	641	Penta	sem	723		men	730	Querc	vim	897		neg	984		sep
553		vul	642	Betas	alb	724		dis	731		kai	898		nem	985		yl
554	Lythr	por	643		fra	725		mar	732		ebu	899	Suaed	mar	986		ti
555		sal	644		hyb	726		dys	733	Ranun	nig	900	Succi	pra	987	Vinca	m
556	Mahon	agu	645	Phala	aru	727		off	734		val	901	Symph	riv	988		min
557	Malus	syl	646		can	728		min	735		min	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729		pyr	736		off	903		x upl	990		ca
559		neg	648		pra	730		cer	737		eur	904	Syrin	vul	991		h
560		syl	649		pra	731		ile	738		off	905	Tamus	com	992		l
561	Marru	vul	650		pra	732		pet	739		gra	906	Tanac	par	993		olorat
562	Matri	mat	651	Phrag	aus	733		rob	740		hyp	907		vul	994		pal
563		rec	652	Picea	abi	734		acr	741		ste	908	Tarax	agg	995		r
564	Mecon	cam	653		sit	735		*agu	742		tri	909	Taxus	bac	996		r
565	Medic	ara	654	Picri	ech	736		agu	743		spa x umb	910	Teu	scoro	997		tri
566		lup	655		hie	737		aur	744		col	911	Thali	fla	998	Viscu	alb
567		sat	656	Pimpl	maj	738		bulbo	745		lac	912		min	999	Vulpf	bro
568		pra	657		sax	739		cir	746		tab	913	Thlas	arv	1000		m
569	Melic	nut	658	Pingu	vul	740		fic	747		nig	914	Thuja	pli	1001	Wahle	h
570		uni	659	Pinus	con	741		bul	748		mar	915	Thymu	pra	1002	Zanni	p
571	Melil	alb	660		nig	742		fic	749		syl	916	Tilia	cor	1003	Popul	nig
572		alt	661		syl	743		fla	750		ann	917		x vul	1004	Tilia	pla
573		off	662	Plant	cor	744		hed	751		aur	918		nod	1005	Cerat	o
574	Menth	agu	663		lan	745		lingua	752		nod	919		nod	1006	Amara	o
575		arv	664		maj	746		omi	753		umb	920	Trago	pra	1007	Salix	aga
576		x pip	665		mar	747		pel	754		gal	921	Trich	ces	1008	Ranun	flu
577		x ver	666		med	748		pen	755		min	922	Trifo	arv	1009	Poa	ang
578		x vil	667	Plata	bif	749		repens	756		acr	923		cam	1010	Helia	o
579	Menya	tri	668		chl	750		sc	757		alb	924		dub	1011	Heli	a
580	Mercu	per	669	Poa	ann	751		tric	758		ang	925		fra	1012	Anthe	tin
581	Miliu	eff	670		com	752	Rapha	rap	759		ref	926		hyb	1013	Oenot	str
582	Mimul	agg	671		nemr	753	Resed	lut	760		rosea	927		medium	1014	Galiu	s
583	Moehr	tri	672		*pra	754		luteola	761		tel	928		mic	1015	Galiu	g
584	Molin	cae	673		pra	755	Reyno	jap	762		tec	929		pra	1016	Bromu	a
585	Monti	fon	674		sub	756		sac	763		acu	930		rep	1017	Menth	spi
586		per	675		tri	757		cat	764		eru	931	Trigl	mar	1018	Anthr	cau
587		sib	676	Polyg	ser	758		*min	765		jac	932		pal	1019	Chara	a
588	Mysel	mur	677		vul	759	Rhodo	pon	766		squ	933	Tripl	ino	1020	Stell	g
589	Myoso	arv	678	Polyg	mul	760		alb	767		syl	934		mar	1021	Hotto	p
590		dis	679	Polyg	amp	761		alp	768		vis	935	Trise	fla	1022	Alism	lan
591		lax	680		are	762		nig	769		vul	936	Trit x	cro	1023	Anchu	off
592		ram	681		*avi	763		rub	770		lig	937	Troll	eur	1024	Calli	o
593		scorp	682		avi	764		san	771		vul	938	Tsuga	het	1025	Calli	h
594		sec	683		bis	765		uva	772		tin	939	Tussi	far	1026	Isati	o
595		syl	684		hydro	766	Rorip	amp	773		alb	940	Typha	ang	1027	Atrip	sab
596	Myoso	agu	685		lap	767		pal	774		sil	941		lat	1028	Rumex	gal
597	Myric	gal	686		minus	768		syl	775		alba	942	Ulex	eur	1029	Bromu	o
598	Myrio	alt	687		oxy	769	Rosa	agg	776		dio	943		gal	1030	Ulmus	o
599		spi	688		per	770		arv	777		mar	944	Ulmus	gla	1031	Fontin	agg
600	Myrrh	odo	689		poly	771		*can	778		vul	945		pro	1032	Calam	syl
601	Narci	pse	690	Popul	alb	772		pim	779		mar	946	Umbil	rup	1033	Azo	fil
602	Nardu	str	691		x canad	773		*rub	780		alb	947	Urtic	dio	1034	Potam	o
603	Narth	oss	692		x canes	774		rugosa			arv	948		ure			
604	Nastu	mic	693		tre	775		*tom				949	Utric	aus			
605		*off				776	Rubus	cae				950		min			
606		off				777		cham				951		vul			
607		x m				778		*fru				952	Vaccl	myr			
608	Neott	nid				779		ida				953		oxy			
609	Nepet	cat				780		sax				954		vit			
610	Nupha	lut															
611	Nymph	alb															

Physical and Habitat Data

River Section No: LOW 058

Date: 3/8/1994

	Feature	Section Data	Input
1	Riffles		0
2	Pools		0
3	Cliffs		2
4	Berms		0
5	Meanders		0
6	Riparian Strip Left Bank - % Length	0%	A
7	Riparian Strip Right Bank - % Length	0%	A
8	Trapezoidal Channel	Y/N	Y
9	Land Use - Left Bank	A.G.W.S.H.I.L.SG.IG.RG	SG
10	Land Use - Right Bank	A.G.W.S.H.I.L.SG.IG.RG	W
11	Trees - Dense	L/R	D
12	Trees - Scattered	L/R	u
13	Scrub - Dense	L/R	D
14	Scrub - Scattered	L/R	u
15	Emergent Fringe - Left Bank % Length	60%	Y
	Emergent Fringe - Right Bank % Length	100%	

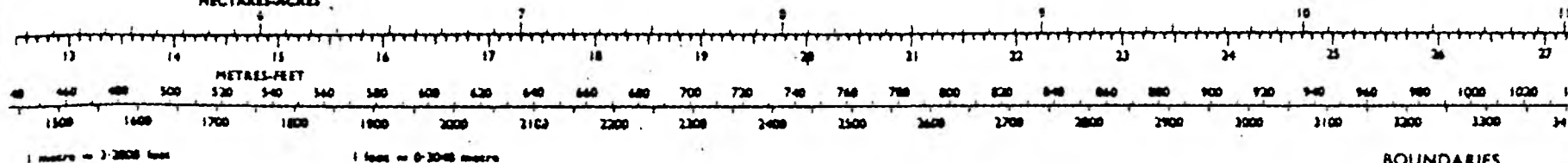


MILDENHALL No 2 ED

No 6 WARD

JDS CO

TL 8286-8386
CONVERSION SCALES
HECTARES-ACRES



SYMBOLS



ENGLAND & WALES

County.....
District.....
London Borough.....
Civil Parish (England).....
Community (Wales).....
Electoral Division.....
Ward.....
County (Co or Boro).....

BOUNDARIES

ED Bdy
Ward Bdy
Borough Boundary
Coastal Boundary

SCOTL

Region or Islands.....
District.....
Parish.....
Electoral Division.....
County (Co or Boro).....

RIVER CONVEYANCE SURVEY
RIVER CODE: 1000050

1. The first symbol is the Boro Const & E.D. Bdy.
2. The second symbol is the Boro Const & E.D. Bdy.

Section Code: LOUS 058



Photograph Number: |

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River LITTLE OUSE
Section LOUS 059
Auditor P. COLLINS

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Adequate - single species stands not identified. Symbol for submerged macrophyte not used.

Flow and current features

Poor - only given in description

Substrate and physical features

Poor - only given in description.

MARGINAL ZONE

Plant communities

Adequate - small stands not recorded.

Substrate and Physical features

Poor - areas of poaching + small bay not recorded.

BANK ZONE

Trees

Poor - trees misplaced - RB bank too trees and scrub inaccurately recorded.

Other plant communities

Poor - RB supports extensive stands of Crip that have not been recorded

Physical features

Poor - no cliffs present - there is slumping and poaching.

ADJACENT LAND USE

Land use

Poor / Adequate - There is no ditch as depicted to the LB - trees are misplaced + a fence missing. There is a 20m wide ride to the RB.

Habitat types

Adequate - no species given for JNC.

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



Water level relative
to top of bank



Bank height



Flood bank width

N/A

width



height

N/A

slope



landuse



Good Dimensions ok but drawing poor - doesn't show shelf + banks are out of scale with channel.

4. SUMMARY DESCRIPTION

Conditions



Typical features

Adequate - very brief.

Marginal Vegetation LB & RB

Adequate Crip is col to the RB - but this is not made clear.

Banks LB & RB

Poor - doesn't explain LB is 0.5-1m high + RB 2m. Crip is extensive on the RB and ignored.

Adjacent landuse LB & RB

Adequate - LB ditch d/s is not mentioned. Rdc to RB is not mentioned. LB grass is pretty improved.

Fauna

Good - Rough species not all relevant.

Recreation

Good - nothing to record.

Existing Management

Poor - LB is largely grazed + poached in places -

Threats

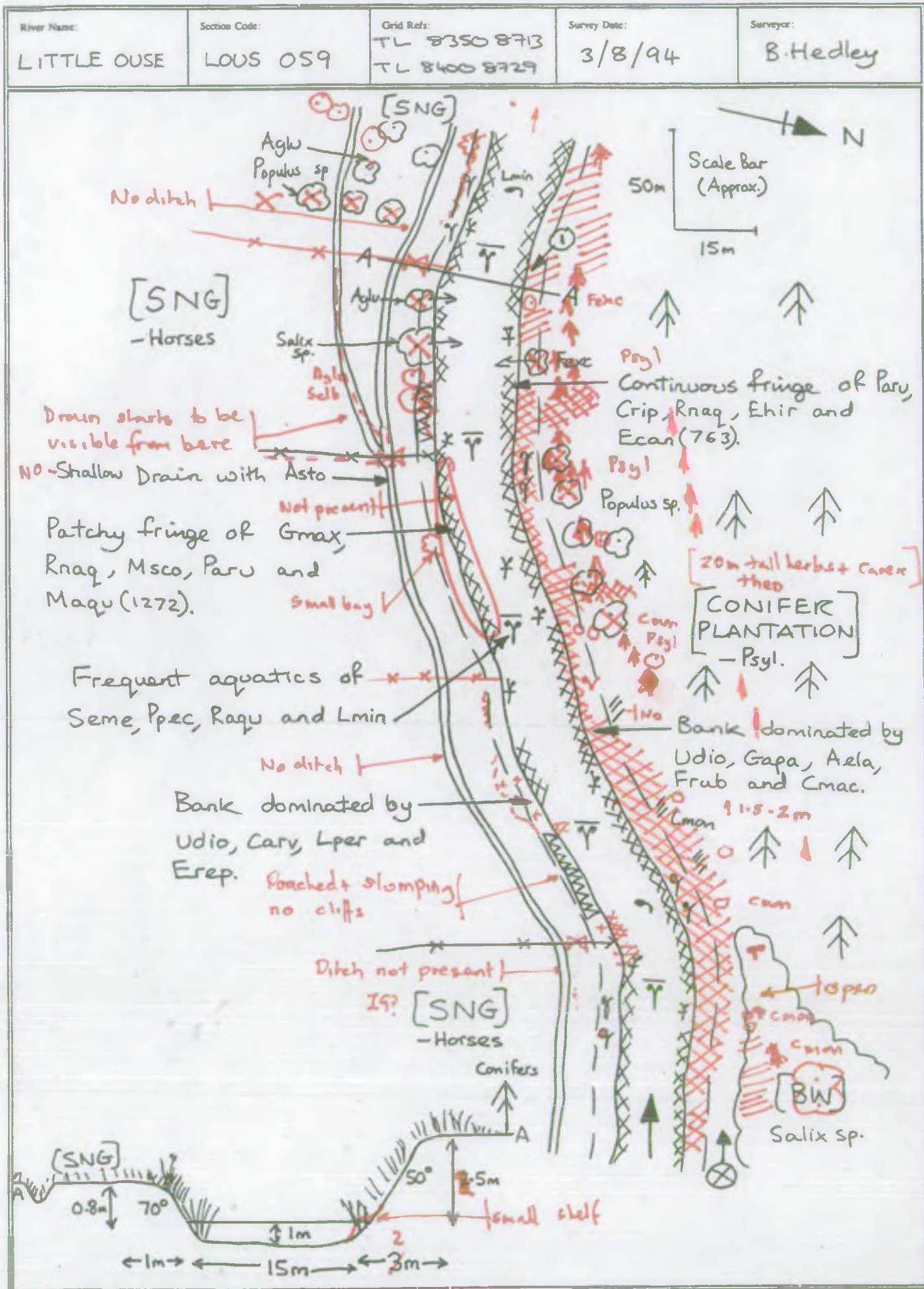
Good - none recorded

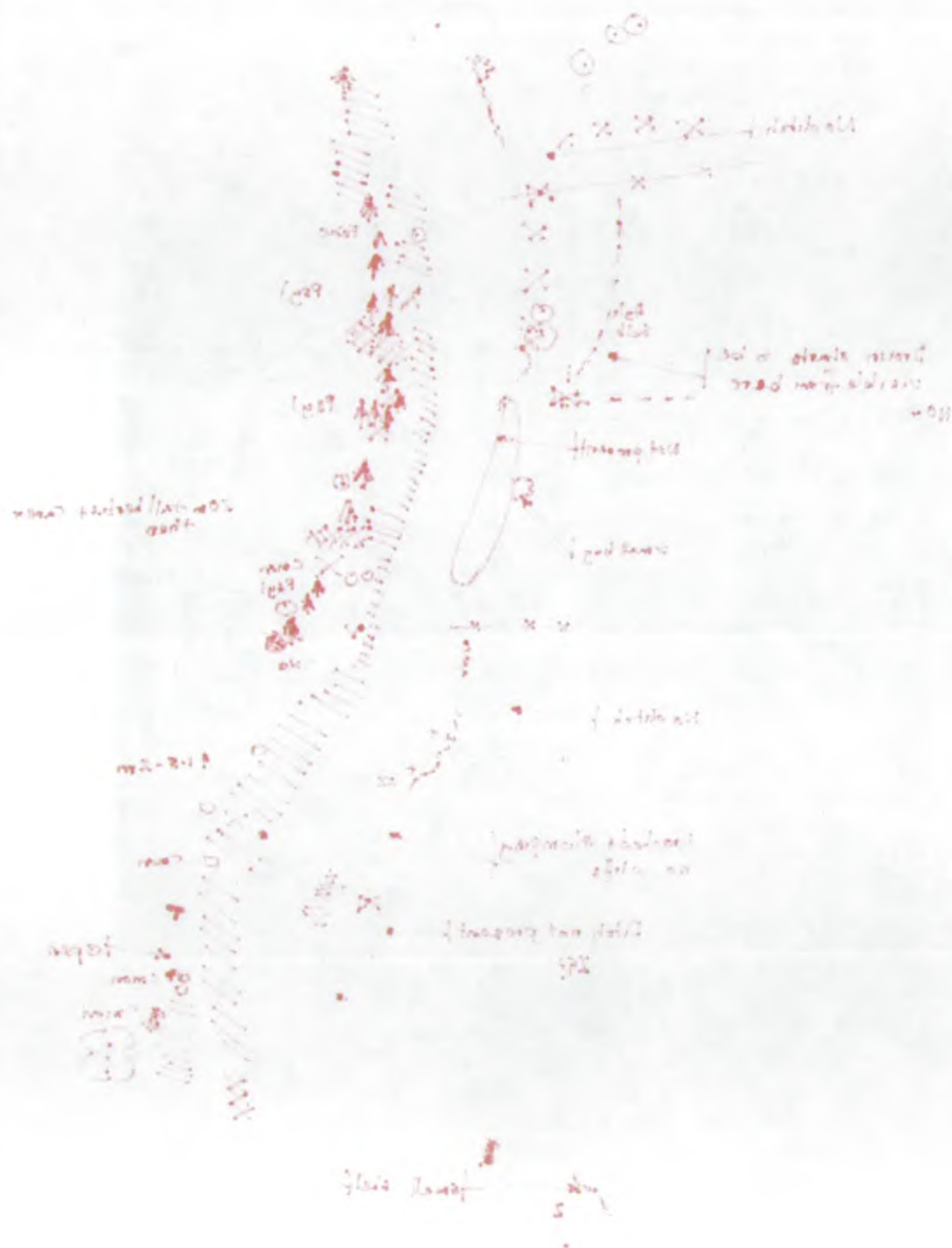
Suggested habitat improvement

Poor none recorded.

6. GENERAL NOTES AND ASSESSMENT

A poorly recorded easy section. The main omissions are poaching + slumping to the left bank, and extensive stands of emergent vegetation to the RB. A ditch has been recorded throughout the left bank. This has not been present for some years! $\frac{25}{51} = 49\%$





DATE: 3 August 1994

CODE: LOUS 059

Ecosurveys Ltd

CONDITIONS

Sunny and hot. Surveyed from right bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- i Broad nature A curving section of river with moderate flow and a soke drain to the left.
- ii Dimensions 12-16m wide and 0.5-1.5m+ deep.
- iii Substrate Silt.
- iv Bank type Both banks are earth, 0.5-3m high with 45°-80° and occasional cliff areas along the left side. 10.15 0.5-1-202m

LAND USE

- LS Horse-grazed semi-improved grassland. - no ditch d/s mentioned
- RS Conifer plantation and broadleaved woodland. - ridge

BANK VEGETATION

- LB Dominated by *Urtica dioica*, *Cirsium arvense*, *Lolium perenne* and *Elymus repens* with one *Salix* sp and one *Alnus glutinosa* tree downstream.
- RB Dominated by *Urtica dioica*, *Galium aparine*, *Arrhenatherum elatius*, *Festuca rubra* and *Conium maculatum* with one *Fraxinus excelsior* downstream.

CHANNEL VEGETATION

- LS Patchy fringe of *Glyceria maxima*, *Rorippa nasturtium-aquaticum*, *Myosotis scorpioides*, *Phalaris arundinacea* and *Mentha aquatica*.
- RS Continuous fringe of *Phalaris arundinacea*, *Carex riparia*, *Rorippa nasturtium-aquaticum*, *Epilobium hirsutum* and *Eupatorium cannabinum*.

Frequent aquatics are present comprising *Sparganium emersum*, *Potamogeton pectinatus*, *Ranunculus aquatilis* and *Lemna minor*.

FEATURES OF INTEREST

Channel vegetation, semi-improved grassland to left side and hobby recorded. - as flora

THREATS

None.

FAUNA

Moorhen, green woodpecker, sand martin and hobby. Peacock butterfly.

NUMBER OF SPECIES RECORDED

55.

SECTION CODE

LOUS 059

DATES SURVEYED

3/5/94

SURVEYORS NAME

B. Hedley

Asple	adi	87	Annop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
3	mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
4	rut	89	Anaga	arv	175	Calys	pul	262	Circ	x int	349	Erige	tet	438	Helia	num
	tri	90		ten	176		sep	263		lut	350		ace	439	Helle	foe
	qua	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
	vir	93	Anemo	nem	179	Campe	glo	266		dis	353	Eriop	ang	442		sph R
8	Athyr	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
	Blech	95	Anten	dio	181		rapunculo	268		hel	355		vag	444	Hiera	agg
	Botry	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
	Ceter	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
12	Crypt	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	cha
13	Cysto	99	Anthr	syl	185	Carda	ama	272	Clino	vul	359	Erysi	che	448	Hippo	vul
	Dipha	100	Anthy	vul	186		fle	273	Cochl	ang	360	Ducny	eur	449	Holcu	lan F
	Dryop	101	Aphan	*arv	187		hir	274		dan	361	Eupat	can	450		mol C
		102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	pes
17		103		mic	189		pra	276		off	363		exi	452	Horde	mur
	dil	104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
	ore	105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
	Equis	106		nod	192		nut	279	Conitu	mac	366		peplus	455	Hyaci	non
	flu	107	Aquil	vul	193	Carex	aguta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
21	hye	108	Arabi	tha	194		aguti F	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23	palust	109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
24	syl	110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
25	tel	111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
26	var	112		min	198		cur	285		sgu	372		*ovina	461		hum
27	vmno	113		min	199		dem	286	Coryd	cla	373		pra	462		mac
28	per	114	Arena	*ser	200		dia	287		lut	374		*rubra F	463		mon
29	Hymen	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
30	Isoet	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
31	Lycop	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
32	Ophio	118	Arrhe	ela A	204		ech	291	Crata	mon	378	Filip	ulm	467	Hypoc	rad
33	Oreop	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	agu
34	Osmun	120		mar	206		ext	293	Crepi	bie	380	Foeni	vul	469	Impat	gla
35	Phego	121		vul	207		flacca	294		cap	381	Fraga	ves	470		nol
36	Phyll	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
37	Polyp	123	Asper	cyn	209		hos	296		ves	383	Fraxi	exc R	472	Inula	con
38		124	Ast*nov-b		210		lae	297	Crypt	jap	384	Fumar	mur	473	Iris	foe
39		125		tri	211		las	298	Cymba	mur	385		off	474		pse
40		126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
41	Polys	127		gly	213		mur lag	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42		128	Atrip	gla	214		nig	301	Cytis	sco	388		sce	477	Junc	acuti
43	Pterid	129		lac	215		otr	302	Dacty	glo F	389		*tet	478		art
44	Selag	130		lit	216		ova	303	Dacty	fuc	390		tet	479		*buf
45	Abies	131		pat	217		pal	304		inc	391	Galin	cil	480		buf
46		132		pro	218		panicea	305		mac	392		par	481		*bul
47		133	Atrop	bel	219		panicula	306		pra	393	Galiu	ana C	482		bul
48	Acer	134	Avena	fat	220		pen	307		pur	394		cru	483		conгло
49		135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		eff
50		136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
51	Achil	137	Balde	ran	223		pul	310	Daucu	car	397		nol	486		inflex
52		138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		koc
53	Acino	139	Barba	int	225		rip A	312		fle	399		*pal	488		mar
	Aconl	140		ver	226		rostra	313	Desma	mar	400		pal	489		sgu
	Acoru	141		vul	227		ser	314		rig	401		saxat	490		subnod
56	Adoxa	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
57	Aegop	143	Berbe	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
58	Aescu	144	Berul	ere	230		ves	317		ten	404		ver R	493	Kickx	ela
59	Aethu	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
60	Agrim	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	agg
61		147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
62	Agros	148	Biden	cer	234	Catab	agu	321	Draba	inc	408		cam	497	Lamia	gal
63		149		tri	235	Centa	mon	322	Drose	int	409	Geran	col	498	Lamiu	alb
64		150	Black	per	236		nig	323		rot	410		dis	499		amp
65		151	Blynn	com	237		sca	324	Echlu	vul	411		end	500		hyb
66		152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
67		153		syl	239		pul	326		mul	413		molle	502		pur
68	Aiza	154	Brass	rub	240	Centr	rub	327		palust	414		pha	503	Lapsa	com
69		155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
70	Ajuga	156		rap	242		dif	329		uni	416		pus	505		x
71	Alche	157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		kae
72		158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	sgu
73		159		ere	245		sem	332		nut	419		san	508	Lathy	mon
74		160		hor	246		tom	333	Elymu	can	420		syl	509		pra
75		161		ram	247	Chaen	min	334		far	421	Geum	x int	510		syl
76	Alism	162		ste F	248	Chae	tem	335		pyc	422		riv	511	Lemna	gib
77	Allia	163	Bryon	dio	249	Chama	law	336		rep F	423		urb	512		minor
78	Alliu	164	Buddl	dav	250	Chane	ang	337	Empet	nig	424	Glauc	fla	513		pot
79		165	Butom	umb	251	Cheli	maj	338	Epilo	bru	425	Glaux	mar	514		tri
80		166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed F	515	Leont	aut
81		167	Cala	can	253		bon	340		hir F	427	Glyce	dec	516		his
82		168		epi	254	Chene	mar	341		montan	428		flu	517		tar
83	Alnus	169	Calli	egg	255		pol	342		obs	429		max F	518	Lepid	car
84	Alope	170		han	256		rub	343		pal	430		x ped	519		het
85		171		obt	257	Chrysa	seg	344		par	431		pli	520		ruc
86		172		sta	258	Chrysa	alt	345		ros	432	Gnaph	syl	521	Leuca	vul
					259		opp	346		tet	433		uli	522	Leymu	ace
											434	Groen	den			
											435	Gymna	con			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	701	Rumex	*ace*	060	Solid	can	955	Valer	off
524		vul	613	Oenan	acu	695		ber	702		ace	069		gig	956		off
525	Liliu	mar	614		cro	696		cri	703		acetosa	070		vir	957	Valer	leg
526	Limon	vul	615		fis	697		gra	704		con	071	Sonch	arv	958	Verba	th
527	Linar	pur	616		lac	698		luc	705		crispus	072		asp	959		th
528		rep	617	Oenot	cam	699		nat	706		hyd	073		ole	960	Verbe	off
529		vul	618		ery	700		obt	707		lon	074	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	708		obt	075		auc	962		a
531	Liste	ova	620	Ononi	rep	702		per	709		san	076		int	963		a
532	Litho	arv	621		spi	703		pol	710		acu	077	Sparg	ang	964		a
533		off	622	Onopo	aca	704		pus	711		*ape	078		eme	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	712		ape	079		ere	966		chamue
535	Loliu	mul	624	Orchi	mas	706		ans	713		ere	080		min	967		
536		per	625		mor	707		arg	714		mar	081	Spart	ang	968		
537	Lonic	per	626	Origa	vul	708		erecta	715		nod	082	Sperg	arv	969	hed	hed
538	Lotus	cor	627	Ornit	umb	709		pal	716		pro	083	Sperg	mari	970	hed	luc
539		uli	628	Ornit	per	710		rep	717		Sagit	084		med	971		mon
540	Lunar	ann	629	Oxali	ace	711		ste	718		Salic	085		rub	972		d
541	Lupin	arb	630	Papav	arg	712	Primu	far	719		Salix	086	Spira	agg	973		per
542	Luzul	cam	631		dub	713		ver	720		alb	087	Stach	arv	974		pol
543		mul	632		rho	714		vul	721		aur	088		x amb	975		scu
544		pil	633		som	715		vu x ve	722		cap	089		off	976		ses
545		syl	634	Parap	str	716	Prune	vul	723		ole	090		pal	977	Vibur	
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	724		fra	091		syl	978		
547	Lyciu	bar	636	Paris	qua	718		cerasus	725		pen	092	Stell	als	979	Vicia	cra
548		chi	637	Parna	pal	719		dom	726		phy	093		gra	980		hir
549	Lycop	eur	638	Pasti	sat	720		lauro	727		pur	094		hol	981		
550	Lysim	nem	639	Pedic	pal	721		pad	728		repens	095		*med	982	sat	
551		num	640		syl	722		spi	729		tri	096		med	983	sat	
552		pun	641	Penta	sem	723	Pseud	men	730		vim	097		neg	984		sep
553		vul	642	Petas	alb	724	Pucci	dis	731		kal	098		nem	985		
554	Lythr	por	643		fra	725		mar	732		ebu	099	Suaed	mar	986		
555		sal	644		hyb	726	Pulic	dys	733		nig	100	Succi	pra	987	Vinca	
556	Mahon	agu	645	Phala	aru	727	Pulmo	off	734		val	101	Symph	riv	988		min
557	Malus	syl	646		can	728	Pyrol	min	735		min	102	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	736		off	103		x upl	990		
559		neg	648		pra	730	Querc	cer	737		eur	104	Syrin	vul	991		
560		syl	649		pra	731		ile	738		off	105	Tamus	com	992		
561	Marru	vul	650		pra	732		pet	739		gra	106	Tanac	par	993		odorat
562	Matri	mat	651	Phrag	aus	733		rob	740		hyp	107		vul	994		pal
563		rec	652	Picea	abi	734	Ranun	acr	741		ste	108	Tarax	agg	995		
564	Mecon	cam	653		sit	735		*agu	742		tri	109	Taxus	bac	996		
565	Medic	ara	654	Picri	ech	736		agu	743		spa x umb	110	Teu	scoro	997	tri	
566		lup	655		hie	737		aur	744		Scabi	111	Thali	fla	998	Viscu	alb
567	sat	nat	656	Pimpi	maj	738		bulbo	745		col	112		min	999	Wulp	bro
568	Melam	pra	657		sax	739		cir	746		lac	113	Thlas	arv	1000		
569	Melic	nut	658	Pingu	vul	740		fic	747		tab	114	Thuja	pli	1001	Wahle	
570		uni	659	Pinus	con	741		fic bul	748		nig	115	Thymu	pra	1002	Zanni	per
571	Melil	alb	660		nig	742		fic	749		mar	116	Tilia	cor	1003	Popul	nig
572		alt	661		syl	743		fla	750		syl	117		x vul	1004	Tilia	pla
573		off	662	Plant	cor	744		hed	751		ann	118	Oril	jap	1005	Cerat	on
574	Menth	agu	663		lan	745		lingua	752		Scrop	119		nod	1006	Amara	
575		arv	664		maj	746		omi	753		umb	120	ago	pra	1007	Salix	agg
576	x	pip	665		mar	747		pel	754		gal	121	T rich	ces	1008	Ranun	flu
577	x	ver	666		med	748		pan	755		min	122	T ifo	arv	1009	Poa	an
578	x	vil	667	Plata	bif	749		repens	756		acr	123		cam	1010	Helia	
579	Menya	tri	668		chl	750		sce	757		alb	124		dub	1011	Heli	in
580	Mercu	per	669	Poa	ann	751		tric	758		ang	125		fra	1012	Anthe	tin
581	Miliu	eff	670		com	752	Rapha	rap	759		ref	126		hyb	1013	Oenot	str
582	Mimul	agg	671		nemor	753	Resed	lut	760		rosea	127		medium	1014	Galiu	
583	Moehr	tri	672		*pra	754		luteola	761		tel	128		mic	1015	Galiu	
584	Molin	cae	673		pra	755	Reyno	jap	762		tec	129		pra	1016	Bromu	
585	Monti	fon	674		sub	756		sac	763		acu	130		rep	1017	Menth	spi
586		per	675		tri	757	Rhamn	cat	764		eru	131	Tripl	mar	1018	Anthr	cau
587		sib	676	Polyg	ser	758		*min	765		jac	132		pal	1019	Chara	
588	Mysel	mur	677		vul	759	Rhodo	pon	766		agu	133	Thipl	ino	1020	Stell	
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	767		syl	134		mar	1021	Hotto	
590		dis	679	Polyg	amp	761	Ribes	alp	768		vis	135	T rise	fla	1022	Alism	lan
591		lax	680		are	762		nig	769		vul	136	T it x	cro	1023	Anchu	off
592		ram	681		*avi	763		rub	770		lig	137	T oll	eur	1024	Calli	
593		scorp	682		avi	764		san	771		vul	138	T auga	het	1025	Calli	
594		sec	683		bis	765		uva	772		tin	139		far	1026	Isati	tin
595		syl	684		hydro	766	Rorip	amp	773		alb	140	ypha	ang	1027	Atrip	sab
596	Myoso	agu	685		lap	767		pal	774		sil	141		lat	1028	Rumex	
597	Myric	gal	686		mimus	768		syl	775		alba	142	Jlex	eur	1029	Bromu	
598	Myrio	alt	687		oxy	769	Rosa	agg	776		dio	143		gal	1030	Ulmus	
599		spi	688		per	770		arv	777		mar	144	Ulmus	gla	1031	Fontin	agg
600	Myrrh	odo	689		poly	771		*can	778		vul	145		pro	1032	Calam	syl
601	Narci	pse	690	Popul	alb	772		pim	779		mar	146	Umbil	rup	1033	Azo	fil
602	Nardu	str	691		x canad	773		*rub	780		alb	147	Urtic	dio	1034	Potam	
603	Narth	oss	692		x canes	774		rugosa			arv	148		ure			
604	Nastu	mic	693		tre	775		*tom			amo	149		aus			
605		*off				776	Rubus	cae			off	150		min			
606		off				777		cham			ori	151		vul			
607		x m				778		*fru			lat	152	Vacci	myr			
608	Neott	nid				779		ida			dul	153		oxy			
609	Nepet	cat				780		sax			nig	154		vit			
610	Nupha	lut															
611	Nymph	alb															

Physical and Habitat Data

River Section No: LOW 059

Date: 3/8/1994

	Feature	Section Data	Input
1	Riffles		0
2	Pools		0
3	Cliffs		2
4	Berms		0
5	Meanders		0
6	Riparian Strip Left Bank - % Length	0 %	A
7	Riparian Strip Right Bank - % Length	15 %	A
8	Trapezoidal Channel	Y/N	Y
9	Land Use - Left Bank	A.G.W.S.H.I.L.SG.IG.RG	SG
10	Land Use - Right Bank	A.G.W.S.H.I.L.SG.IG.RG	W
11	Trees - Dense	L/R	D
12	Trees - Scattered	U/R	U
13	Scrub - Dense	L/R	D
14	Scrub - Scattered	L/R	U
15	Emergent Fringe - Left Bank % Length	70 %	Y
	Emergent Fringe - Right Bank % Length	100 %	

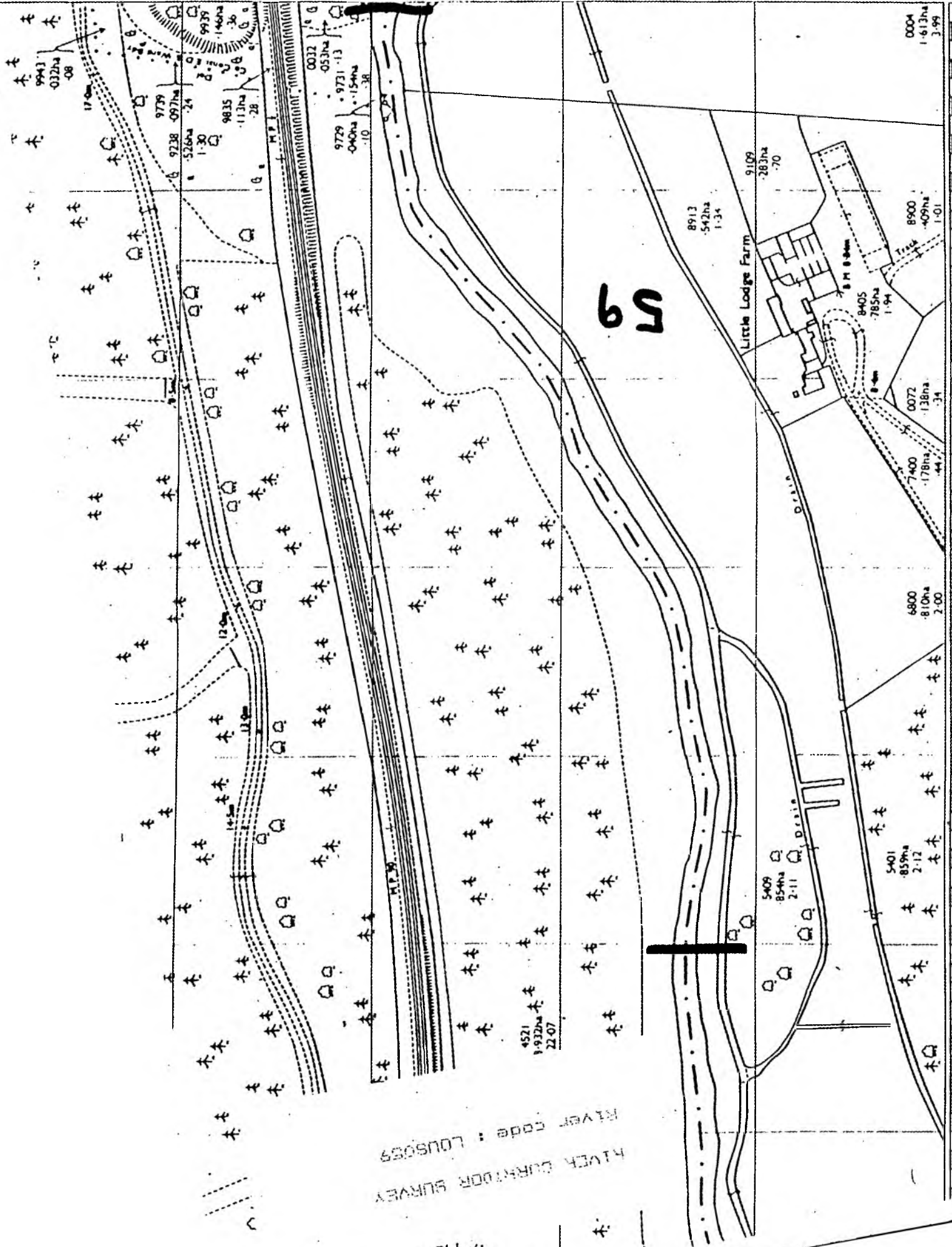
NORFOLK CO CONST
THETFORD CP
THETFORD No 1 ED No 1 WARD

873

872

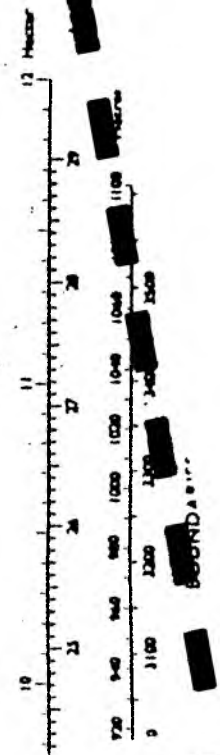
871

287000m



RIVER CORRIDOR SURVEY
RIVER CODE : L05059

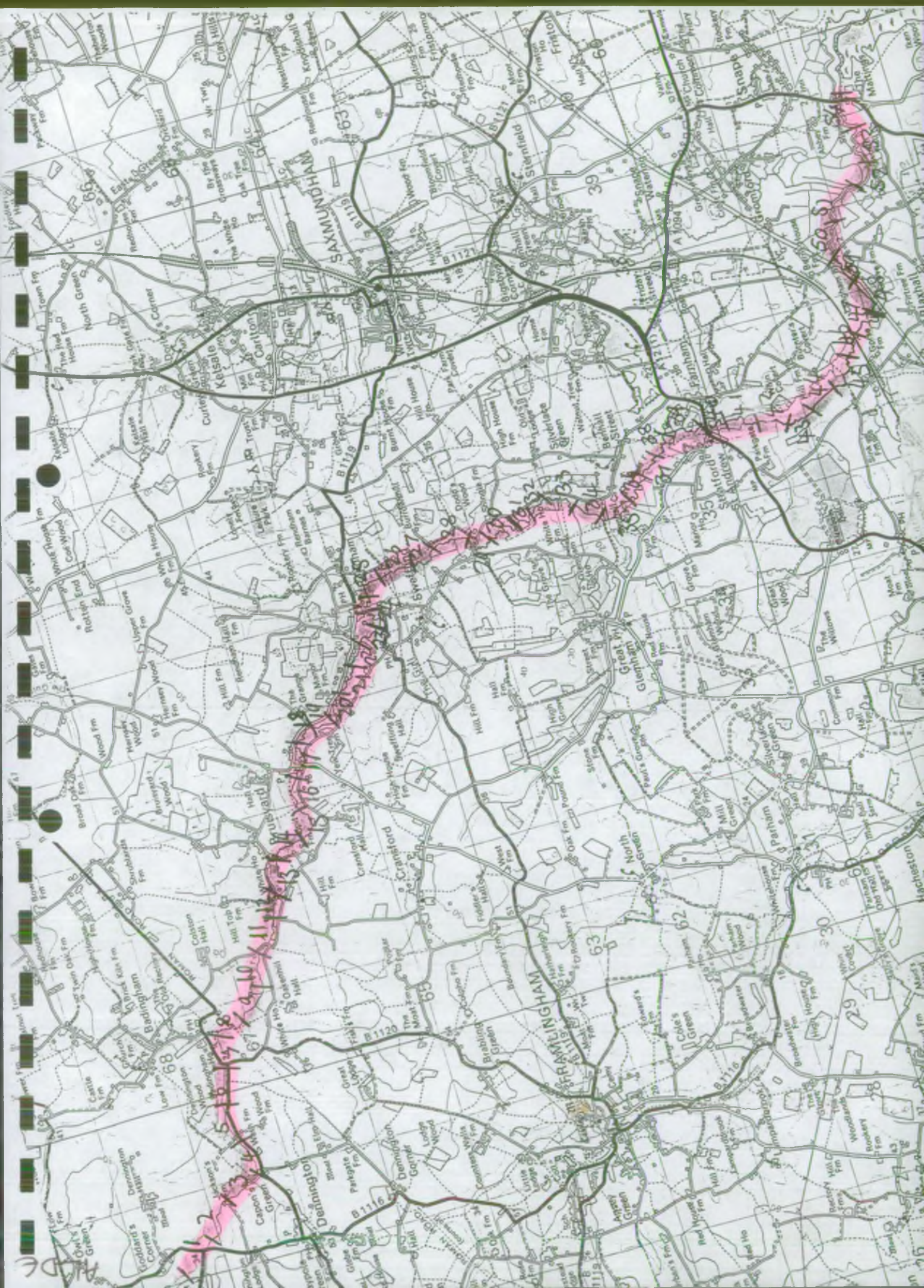
BURY ST EDMUNDS CO CONST



Section Code: LOUS 059



Photograph Number: |



RIVER CORRIDOR QUALITY CONTROLRiver . . . ALDE
Section . . . EANDOS
Auditor . . . S. TAYLORCHECK LIST

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Good - vegetation well mapped, major stands identified to species

Flow and current
features

Adequate - some flow symbols, pools recorded

Substrate and physical
features

Poor - no details of substrate. Small vegetated shelves not noted. Channel drawn too narrow.

MARGINAL ZONE

Plant communities

Good - well mapped, major species given

Substrate and Physical features

Adequate - some features omitted - erosion to EB in wrong position.

EALD 030

BANK ZONE

Trees

Poor/Adequate - positioning of trees poor. Wrong symbol use for shrubs.

Other plant communities

Good - major communities along banks noted.

Physical features

Poor - fence to RB omitted.

ADJACENT LAND USE

Land use

Good - use of land noted.

Habitat types

Good - main species noted. (Fence/hedge to RB within 50m not recorded)

3. CROSS SECTIONS

Width of water
filled channel

Depth of water

Water level relative
to top of bank

Bank height



Flood bank width



width



height



slope



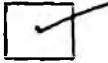
landuse



Depth of water wrong. Widths omitted.

4. SUMMARY DESCRIPTION

Conditions



Typical features

Poor - very brief.

Marginal Vegetation LB & RB

Good - main species recorded.

Banks LB & RB

Good - main communities recorded

Adjacent landuse LB & RB

Adequate.

Fauna

Good

Recreation

Poor - not recorded (None present).

Existing Management

Poor - not recorded

Threats

Adequate (grassland already improved?)

Suggested habitat improvement

None suggested.

6. GENERAL NOTES AND ASSESSMENT

Channel drawn to narrow. Vegetation adequately surveyed, though trees/shrubs poorly mapped. Survey adequate overall.

Score: $\frac{31}{51} = 60.8\%$

DATE: 21 September 1994

CODE: EALD 030

Ecosurveys Ltd

CONDITIONS

Dry. Surveyed from both banks. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- i Broad nature A meandering river section with slow to moderate flow.
- ii Dimensions 2.5-3m wide and 1m deep.
- iii Substrate Sand and silt.
- iv Bank type Both banks are steep, 1.5m high with 50°-60° slopes.

LAND USE

Improved grassland to both sides.

BANK
VEGETATION

- LB Mainly *Urtica dioica* with *Epilobium hirsutum*, *Dactylis glomerata*, *Elymus repens*, *Rumex obtusifolius* and *Ranunculus repens*. Trees occur mainly comprising *Alnus glutinosa*, *Salix alba*, *Crataegus monogyna* and *Cornus sanguinea*.
- RB Mainly *Urtica dioica* with *Epilobium hirsutum*, *Dactylis glomerata* and *Arrhenatherum elatius*. Trees occur mainly comprising *Alnus glutinosa*, *Quercus robur*, *Salix alba*, *Prunus spinosa* and *Crataegus monogyna*.

CHANNEL
VEGETATION

Abundant emergent vegetation mainly *Sparganium erectum* and *Phalaris arundinacea* with *Lythrum salicaria*, *Elodea canadensis*, *Myosotis scorpioides* and *Mentha aquatica*. Occasional *Nuphar lutea*, *Veronica beccabunga* and *Callitriche stagnalis* occur.

FEATURES OF
INTEREST

Channel vegetation.

THREATS

Grassland improvement.

FAUNA

Grasshoppers. Ladybirds. Wren and moorhen.

NUMBER OF SPECIES
RECORDED

41.

SECTION CODE EALD 030

DATES SURVEYED 21-9-94

SURVEYORS NAME Lil Tudor-Craig

Asple	adi	87	Ammop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
3	mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
4	rut	89	Anaga	arv	175	Calys	pul	262	Circ x	int	349		tet	438	Helia	rum
	tri	90		ten	176		scp	263		lut	350	Erige	ace	439	Helle	foe
	tri	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
	vir	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		sph
8	Athyr	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
9	Blech	95	Anten	dio	181		rapunculo	268		hel	355		vag	444	Hiera	agg
	Botry	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
	Ceter	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
	Crypt	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	cha
12		99	Anthr	syl	185	Carda	ama	272	Clino	vul	359	Erysi	che	448	Hippu	vul
13	Cysto	100	Anthy	vul	186		fle	273	Cochl	ang	360	Eucry	eur	449	Holcu	lan
14	Dipha	101	Aphan	*arv	187		hir	274		dan	361	Eupat	can	450		mol
	Dryop	102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	deo
		103		mic	189		pra	276		off	363		exi	452	Horde	mur
18		104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
		105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
	Equis	106		nod	192		nut	279	Coniu	mac	366		peplus	455	Hyaci	non
		107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
22		108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
	palust	109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
		110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
25		111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
		112		min	198		cur	285		sgu	372		*ovina	461		hum
27	Gymno	113		min	199		dem	286	Coryd	cla	373		pra	462		mac
28	uper	114	Arena	*ser	200		dia	287		lut	374		*rubra	463		mon
	dymen	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
	Isoet	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
31	Lycop	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
32	Ophio	118	Arrhe	ela	204		ech	291	Crata	mon	378	Filip	ulm	467	Hypoc	rad
33	Oreop	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	agu
34	Osmun	120		mar	206		ext	293	Crepi	bie	380	Foeni	vul	469	Impat	gla
35	Phego	121		vul	207		flacca	294		cap	381	Fraga	ves	470		nol
36	Phyll	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
37	Polyp	123	Asper	cyn	209		hos	296		ves	383	Fraxi	exc	472	Inula	con
38		124	Ast*nov	b	210		lae	297	Crypt	jap	384	Fumar	mur	473	Iris	foe
39		125		tri	211		las	298	Cymba	mur	385		off	474		pse
40		126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
41	Polys	127		gly	213		laq	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42		128	Atrip	gla	214		nig	301	Cytis	sgo	388		spe	477	Junc	acuti
43	Pterid	129		lac	215		otr	302	Dacty	glo	389		*tet	478		art
44	Selag	130		lit	216		ova	303	Dacty	ruc	390		tet	479		*buf
45	Abies	131		pat	217		pal	304		inc	391	Galin	cil	480		buf
46		132		pro	218		panicea	305		mac	392		par	481		*bul
47		133	Atrop	bel	219		panicula	306		pra	393	Galiu	apa	482		bul
48	Acer	134	Avena	fat	220		pen	307		pur	394		cru	483		conгло
49		135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		eff
50		136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
51	Achil	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
52		138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		koc
53	Acino	139	Barba	int	225		rip	312		fle	399		*pal	488		mar
54	Aconi	140		ver	226		rostra	313	Desma	mar	400		pal	489		sgu
	Acoru	141		vul	227		ser	314		rig	401		saxat	490		subnod
56	Adoxa	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
57	Aegop	143	Berber	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
58	Aescu	144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	ela
59	Aethu	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
60	Agrim	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Roele	agg
61		147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
62	Agros	148	Biden	cer	234	Catab	agu	321	Draba	inc	408		cam	497	Lamia	gal
63		149		tri	235	Centa	mon	322	Drose	int	409	Geran	col	498	Lamliu	alb
64		150	Black	per	236		nig	323		rot	410		dis	499		anp
65		151	Blysm	com	237		sca	324	Echiu	vul	411		end	500		hyb
66		152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
67		153		syl	239		pul	326		mul	413		molle	502		pur
68	Aira	154	Brass	nsp	240	Centr	rub	327		palust	414		pha	503	Lapsa	com
69		155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
70	Ajuga	156		rap	242		dif	329		uni	416		pus	505		x
71	Alche	157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		kae
72		158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	sgu
73		159		ere	245		sem	332		nut	419		san	508	Lathy	mon
74		160		hor	246		tom	333	Elymu	can	420		syl	509		pra
75		161		ram	247	Chaen	min	334		far	421	Geum x	int	510		syl
76	Alism	162		ste	248	Chae	tem	335		pyc	422		riv	511	Lema	gib
77	Allia	163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		minor
78	Alliu	164	Buddl	dav	250		ang	337	Erpet	nig	424	Glauc	fla	513		pol
79		165	Butom	umb	251	Cheli	maj	338	Epilo	bru	425	Glaux	mar	514		tri
80		166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	aut
81		167	Caia	can	253		bon	340		hir	427	Glyce	dec	516		his
82	Alnus	168		epi	254	Chene	mur	341		montan	428		flu	517		tar
83	Alope	169	Calli	egg	255		pol	342		obs	429		max	518	Lepid	cam
84		170		han	256		rub	343		pal	430		x ped	519		het
85		171		obt	257	Chrys	seg	344		par	431		pli	520		rud
86		172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	vul
					259		opp	346		tet	433		uli	522	Leymu	are
											434	Groen	den			
											435	Gymna	con			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	781	Rumex	*ace*	868	Solid	can	955	Valer	o
524		vul	613	Oenan	aqu	695		ber	782		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	783		acetosa	870		vir	957	Valer	loc
526	Limon	vul	615		fis	697		gra	784		con	871	Sonch	arv	958	Verba	ac
527	Linar	pur	616		lac	698		luc	785		crispus	872		asp	959		ff
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ole	960	Verbe	ff
529		vul	618		ery	700		obt	787		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	788		obt	875		auc	962		ana
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		iv
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	ang	964		cat
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		eme	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	879		ere	966		chamae
535	Loliu	mul	624	Orchi	mas	706		ans	793		ape	880		min	967		fi
536		per	625		mor	707		arg	794		mar	881	Spart	ang	968		id
537	Lonic	per	626	Origa	vul	708		erecta	795		nod	882	Sperg	arv	969	hed	id
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mari	970	hed	luc
539		uli	628	Ornit	per	710		rep	797	Sagit	sag	884		med	971		mon
540	Lunar	ann	629	Oxali	ace	711		ste	798	Salic	agg	885		rub	972		ff
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	Salix	alb	886	Spira	agg	973		ped
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		l
543		mul	632		rho	714		vul	801		cap	888		x amb	975		scu
544		pil	633		som	715		vu x ve	802	cin	ole	889		off	976		ser
545		syl	634	Parap	str	716	Prune	vul	803		fra	890		pal	977	Vibur	in
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		syl	978		va
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	als	979	Vicia	wa
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hic
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		lat
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri	895		*med	982	sat	g
551		num	640		syl	722		spi	809		vim	896		med	983	sat	g
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	kal	897		neg	984		sep
553		vul	642	Betas	alb	724	Pucci	dis	811	Sambu	ebu	898		nem	985		syl
554	Lythr	por	643		fra	725		mar	812		nig	899	Suaed	mar	986		bet
555		sal	644		hyb	726	Pulic	dys	813	Samol	val	900	Succi	pra	987	Vinca	j
556	Mahon	aqu	645	Phala	aru	727	Pulmo	off	814	Sangu	min	901	Symph	riv	988		in
557	Malus	syl	646		can	728	Pyrol	min	815		off	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903		x upl	990		can
559		neg	648		pra	730	Querc	cer	817	Sapon	off	904	Syrin	vul	991		r
560		syl	649		ber	731		ile	818	Saxif	gra	905	Tamus	com	992		t
561	Marru	vul	650		pra	732		pet	819		hyp	906	Tanac	par	993		oJorat
562	Matri	mat	651	Phrag	aus	733		rob	820		ste	907		vul	994		pal
563		rec	652	Ricea	abi	734	Ranun	acr	821		tri	908	Tarax	agg	995		rei
564	Mecon	cam	653		sit	735		*aqu	822	spa x	umb	909	Taxus	bac	996		vi
565	Medic	ara	654	Picri	ech	736		aqu	823	Scabi	col	910	Teu	scoro	997	tri	vi
566		lup	655		hie	737		aur	824	Schoe	lac	911	Thali	fla	998	Viscu	5
567		sat	656	Pimpi	maj	738		bulbo	825		tab	912		min	999	Wulpf	bro
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		myu
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pli	1001	Wahle	d
570		uni	659	Pinus	con	741		bul	828		syl	915	Thymu	pra	1002	Zanni	l
571	Melil	alb	660		nig	742		fic	829	Scler	ann	916	Tilia	cor	1003	Popul	ing
572		alt	661		syl	743		fla	830	Scrop	aur	917		x vul	1004	Tilia	pla
573		off	662	Plant	cor	744		hed	831		njd	918	Toril	jap	1005	Cerat	dem
574	Menth	aqu	663		lan	745		lingua	832		umb	919		nod	1006	Amara	dem
575		arv	664		maj	746		oni	833	Scute	gal	920	Trago	pra	1007	Salix	gc
576	x	pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	flu
577	x	ver	666		med	748		pen	835	Sedum	acr	922	Trifo	arv	1009	Poa	angus
578	x	vil	667	Plata	bif	749		repens	836		alb	923		cam	1010	Helia	gc
579	Menya	tri	668		chl	750		ace	837		ang	924		dub	1011	Helia	gc
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	Ant	gc
581	Miliu	eff	670		com	752	Rapha	rap	839		rosea	926		hyb	1013	Ocnoc	str
582	Mimul	agg	671		nemor	753	Resed	lut	840		tel	927		medium	1014	Galiu	spa
583	Moehr	tri	672		*pra	754		luteola	841	Senpe	tec	928		mic	1015	Galiu	spa
584	Molin	cae	673		pra	755	Reyno	jap	842	Senec	aqu	929		pra	1016	Bromu	spa
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	spa
586		per	675		tri	757	Rhamn	cat	844		jac	931	Trigl	mar	1018	Anthr	cau
587		sib	676	Polyg	ser	758	Rhin	*min	845		squ	932		pal	1019	Chara	agg
588	Mycel	mur	677		vul	759	Rhodo	pon	846		syl	933	Tripl	ino	1020	Stell	al
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vis	934		mar	1021	Hotto	al
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	ar
591		lax	680		are	762		nig	849	vul f	lig	936	Trit x	cro	1023	Anchu	off
592		ram	681		*avi	763		rub	850	vul f	vul	937	Troll	eur	1024	Calli	pl
593		scorp	682		avi	764		san	851	Serra	tin	938	Tsuga	het	1025	Calli	gc
594		sec	683		bis	765		uva	852	Sesle	alb	939	Tussi	far	1026	Isati	gc
595		syl	684		hydro	766	Rorip	amp	853	Shera	arv	940	Typha	ang	1027	Atrip	sat
596	Myoso	aqu	685		lap	767		pal	854	Silau	ail	941		lat	1028	Rumex	pal
597	Myric	gal	686		minus	768		syl	855	Silen	alba	942	Ulex	eur	1029	Bromu	gc
598	Myrio	alt	687		oxy	769	Rosa	agg	856		dio	943		gal	1030	Ulmus	gc
599		spi	688		per	770		arv	857		mar	944	Ulmus	gla	1031	Fontin	gc
600	Myrrh	odo	689		poly	771		*can	858		vul	945		pro	1032	Calam	sy
601	Narci	pse	690	Popul	alb	772		pim	859	Silyb	mar	946	Umbil	rup	1033	Azo	fill
602	Nardu	str	691		x canad	773		*rub	860	Sinap	alb	947	Urtic	dio	1034	Potam	gc
603	Narth	oss	692		x canes	774		rugosa	861		arv	948		ure			
604	Nastu	mic	693		tre	775		*tom	862	Sison	amo	949	Utric	aus			
605		*off				776	Rubus	cae	863	Sisym	off	950		min			
606		off				777		cham	864		ori	951		vul			
607		x m				778		*fru	865	Sium	lat	952	Vacci	myr			
608	Neott	nid				779		ida	866	Solan	dul	953		oxy			
609	Nepet	cat				780		sax	867		nig	954		vit			
610	Nupha	lut															
611	Nymph	alb															

Other Species:

Total Number species Recorded: 41

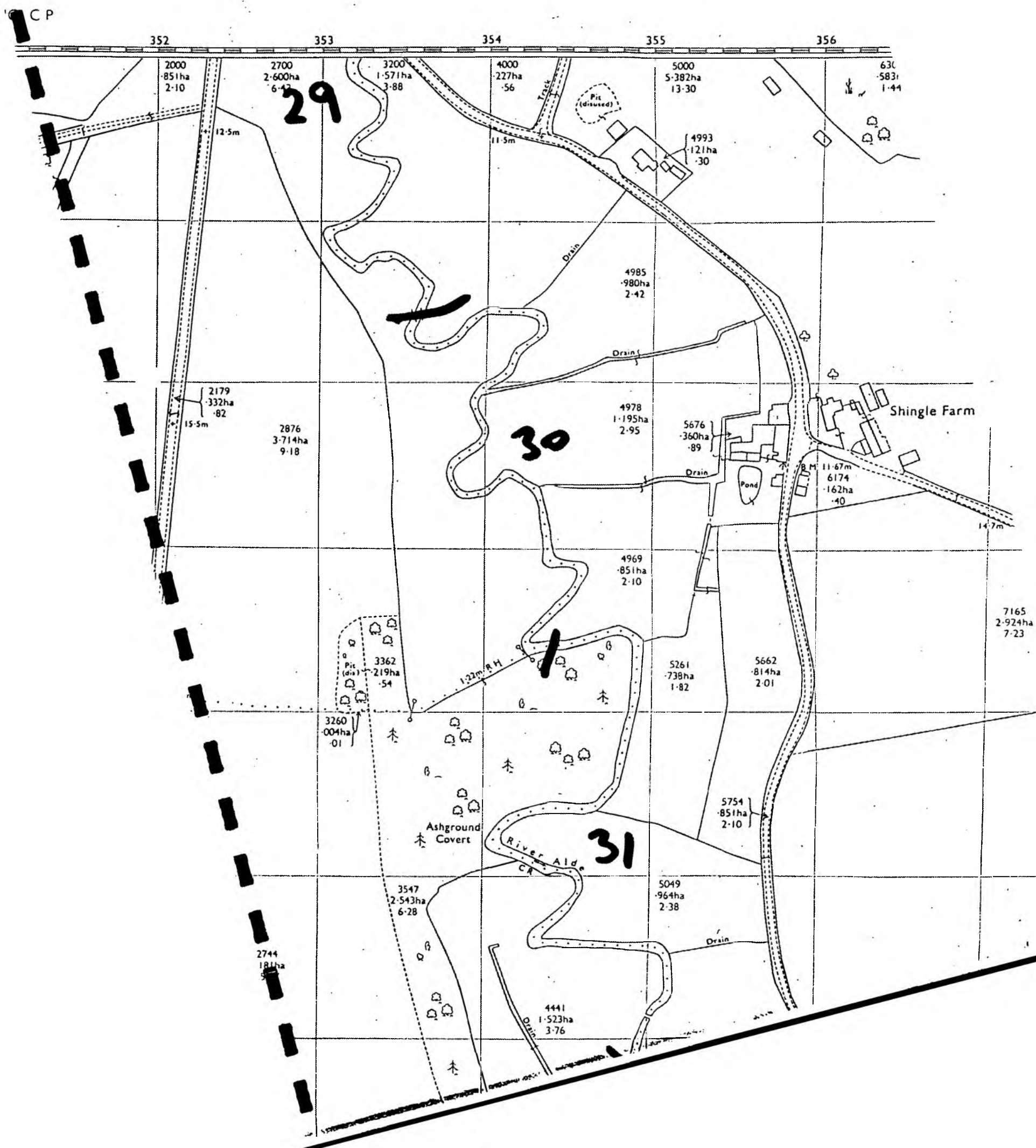
Physical and Habitat Data

River Section No: EALDE3E

Date: 21/9/94

	Feature	Section Data	Input
1	Riffles		0
2	Pools		2
3	Cliffs		1
4	Berms		0
5	Meanders		3
6	Riparian Strip Left Bank - % Length	0 %	1
7	Riparian Strip Right Bank - % Length	0 %	1
8	Trapezoidal Channel	W/N	4
9	Land Use - Left Bank	A.G.W.S.H.I.L.SG.IG.RG	IG
10	Land Use - Right Bank	A.G.W.S.H.I.L.SG.IG.RG	IG
11	Trees - Dense	L/R	1
12	Trees - Scattered	L/R	1
13	Scrub - Dense	L/R	1
14	Scrub - Scattered	L/R	1
15	Emergent Fringe - Left Bank % Length	66 %	4
	Emergent Fringe - Right Bank % Length	66 %	

RIVER CORNER SURVEY
River code: EALDOBO



Section Code: EAW 030



Photograph Number: \

Ecosurveys Ltd

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River ALDE
Section SAID 031
Auditor S. TUNNICK

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☐
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Good - well mapped, major species labelled

Flow and current
features

Adequate - riffles indicated d/s. Flow velocity w/s not given & one riffle missed.

Substrate and physical
featuresPoor -
Not given. Variations in channel width not indicated.

MARGINAL ZONE

Plant communities

Good - well mapped, major species labelled.

Substrate and Physical features

Poor - sandy marginal shelves not mapped

EAND031

BANK ZONE

Trees

Poor - positions of trees/shrubs poorly mapped. Wang should use for continuous shrub.

Other plant communities

Good - major communities along banks noted.

Physical features

Poor - area of arid bank missed. Fence d/s omitted.

ADJACENT LAND USE

Land use

Good - land use (eg grazed) noted

Habitat types

Good - main species noted where important.

3. CROSS SECTIONS

Width of water
filled channel

Depth of water

Water level relative
to top of bank

Bank height



Flood bank width



width



height



slope



landuse



Depth of water wrong?

4. SUMMARY DESCRIPTION

Conditions



Typical features

Poor - very brief.

Marginal Vegetation LB & RB

Good - main species recorded.

Banks LB & RB

Good - main communities noted.

Adjacent landuse LB & RB

Adequate.

Fauna

Good.

Recreation

Poor - not recorded (None present).

Existing Management

Poor - not recorded.

Threats

Good.

Suggested habitat improvement

None suggested.

6. GENERAL NOTES AND ASSESSMENT

Adequate survey of in-channel vegetation let down by poor mapping of bank features, trees/shrubs. Channel drawn slightly too narrow.

$$\text{Score} = \frac{39}{51} = 62.7$$

DATE: 22 September 1994

CODE: EALD 031

Ecosurveys Ltd

CONDITIONS

Dry. Surveyed from right bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- i Broad nature A meandering river section with slow to moderate flow. *rough, rocks*
- ii Dimensions 25-3m wide and 0.5-1m deep.
- iii Substrate Silt and sand.
- iv Bank type Both banks are steep, 1.5m high with 40°-60° slopes. + *erosion* *sandy bars - vegetated.*

LAND USE

- LS Improved grassland.
- RS Improved grassland, planted broadleaved woodland and mature trees.

BANK
VEGETATION

- LB Dominated by *Urtica dioica* and *Dactylis glomerata*.
- RB Where open, dominated by *Urtica dioica*, where shady, *Urtica dioica*, *Glechoma hederacea*, *Hedera helix* and *Mercurialis perennis*.

CHANNEL
VEGETATION

Frequent emergent vegetation where open, mainly *Sparganium erectum* and *Phalaris arundinacea* with *Lythrum salicaria*, *Myosotis scorpioides*, *Nasturtium officinale*, *Apium nodiflorum* and *Petasites hybridus*. Aquatics are frequent including *Nuphar lutea* and occasional *Callitriche stagnalis*.

FEATURES OF
INTEREST

Channel vegetation and frequent mature trees along wood.

THREATS

None.

FAUNA

Mallard.

NUMBER OF SPECIES
RECORDED

53.

SECTION CODE

EALD 031

DATES SURVEYED

22-9-94

SURVEYORS NAME

Li/Twob-Co

1	Asple	adi	87	Ammop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	bor
2		mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
3		rut	89	Anaga	arv	175	Calys	pul	262	Circ	x int	349		tet	438	Helia	num
4		tri	90		ten	176		sep	263		lut	350	Erige	ace	439	Helle	foe
5	tri	qua	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
6	tri	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
7		vir	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		sph
8	Athyr	fil	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
9	Blech	spi	95	Anten	dio	181		rapunculo	268		hel	355		vag	444	Hiera	agg
10	Botry	lun	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
11	Ceter	off	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
12	Crypt	cri	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	rha
13	Cysto	fra	99	Anthr	syl	185	Carda	ama	272	Cline	vul	359	Erysi	che	448	Hippo	vul
14	Dipha	alp	100	Anthy	vul	186		fle	273	Cochl	ang	360	Eury	eur	449	Holcu	lan
15	Dryop	aff	101	Aphan	arv	187		hir	274		dan	361	Eupat	can	450		mol
16		car	102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	per
17		dil	103		mic	189		pra	276		*off	363		exi	452	Horde	mur
18		fil	104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
19		ore	105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
20	Equis	arv	106		nod	192		nut	279	Coniu	mac	366		peplu	455	Hyaci	non
21		flu	107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
22		hye	108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23		palust	109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
24		syl	110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
25		tel	111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
26		var	112		min	198		cur	285		squ	372		*ovina	461		hum
27	Gymno	dry	113		min	199		dem	286	Coryd	cla	373		pra	462		mac
28		sel	114	Arena	*ser	200		dia	287		lut	374		*rubra	463		mon
29	Hymen	wil	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
30	Isoet	lac	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
31	Lycop	cla	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
32	Ophio	vul	118	Arrhe	ela	204		ech	291	Crata	mon	378	Filip	ulm	467	Hypoc	rad
33	Oreop	lim	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	agu
34	Osmun	reg	120		mar	206		ext	293	Crepi	bie	380	Foeni	vul	469	Impat	gla
35	Phego	con	121		vul	207		flacca	294		cap	381	Fraga	ves	470		mol
36	Phyll	sco	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
37	Polyp	agg	123	Asper	cyn	209		hos	296		ves	383	Praxi	exc	472	Inula	con
38		cam	124	Ast*nov	b	210		lae	297	Crypt	jap	384	Fumar	mur	473	Iris	foe
39		int	125		tri	211		las	298	Cymba	mur	385		off	474		pse
40		vul	126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
41	Polys	acu	127		gly	213	mur	lag	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42		set	128	Atrip	gla	214		nig	301	Cytis	sco	388		spe	477	Junc	acuti
43	Pterid	acu	129		lac	215		otr	302	Dacty	glo	389		*tet	478		art
44	Selag	sel	130		lit	216		ova	303	Dacty	fuc	390		*tet	479		*buf
45	Abies	alb	131		pat	217		pal	304		inc	391	Galun	cil	480		buf
46		gra	132		pro	218		panicea	305		mac	392		par	481		*bul
47		pro	133	Atrop	bel	219		panicula	306		pra	393	Galiu	spa	482		bul
48	Acer	cam	134	Avena	fat	220		pen	307		pur	394		eru	483		conгло
49		uae	135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		eff
50		pse	136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
51	Achil	mil	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
52		pta	138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		koc
53	Acino	arv	139	Barba	int	225		rip	312		fle	399		*pal	488		mar
54	Aconu	nap	140		ver	226		rostra	313	Desma	mar	400		pal	489		squ
55		cal	141		vul	227		ser	314		rig	401		saxat	490		subnod
56	Adoxa	mos	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
57	Aegop	pod	143	Berbe	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
58	Aescu	hip	144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	ela
59	Aethu	cyn	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
60	Agrim	eup	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Roele	agg
61		pro	147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
62	Agros	*can	148	Biden	cer	234	Catab	agu	321	Draba	inc	408		cam	497	Lamia	gal
63		can	149		tri	235	Centa	zon	322	Drose	int	409	Geran	col	498	Lamju	alb
64		cap	150	Black	per	236		nig	323		rot	410		dis	499		amp
65		gig	151	Blysm	com	237		sca	324	Echlu	vul	411		end	500		hyb
66		sto	152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
67		vin	153		syl	239		pul	326		mul	413		molle	502		pur
68	Aira	car	154	Brass	nap	240	Centr	rub	327		palust	414		pha	503	Lapsa	com
69		pra	155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
70	Ajuga	rep	156		rap	242		dif	329		uni	416		pus	505		x eur
71	Alcha	egg	157	Briza	med	243		font	330	Eleog	flu	417		pyt	506		kae
72		fil	158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	squ
73		ves	159		ere	245		sem	332		nut	419		san	508	Lathy	mon
74		gla	160		hor	246		tom	333	Elymu	can	420		syl	509		pra
75		xan	161		ram	247	Chaen	min	334		far	421	Geum	x int	510		syl
76	Alli	pla	162		ste	248	Chaer	tem	335		pyc	422		riv	511	Lemma	gib
77	Allia	pet	163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		minor
78	Alliu	ole	164	Buddl	dav	250	Chame	ang	337	Empet	nig	424	Glauc	fla	513		pol
79		sco	165	Butom	umb	251	Chelli	naj	338	Epilo	bru	425	Glaux	mar	514		tri
80		urs	166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	aut
81		vin	167	Cala	can	253		bon	340		hir	427	Glyce	dec	516		his
82	Alnus	glu	168		epi	254	Chene	mur	341		montan	428		flu	517		tar
83	Alope	seq	169	Calli	han	255		pol	342		obs	429		max	518	Lepid	cam
84		gen	170		qbt	256		rub	343		pal	430		x ped	519		het
85		myo	171		sta	257	Chrys	seg	344		par	431		pli	520		rud
86		pra	172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	vul
						259		opp	346		tet	433		uli	522	Leymu	are
												434	Groen	den			
												435	Gymna	con			

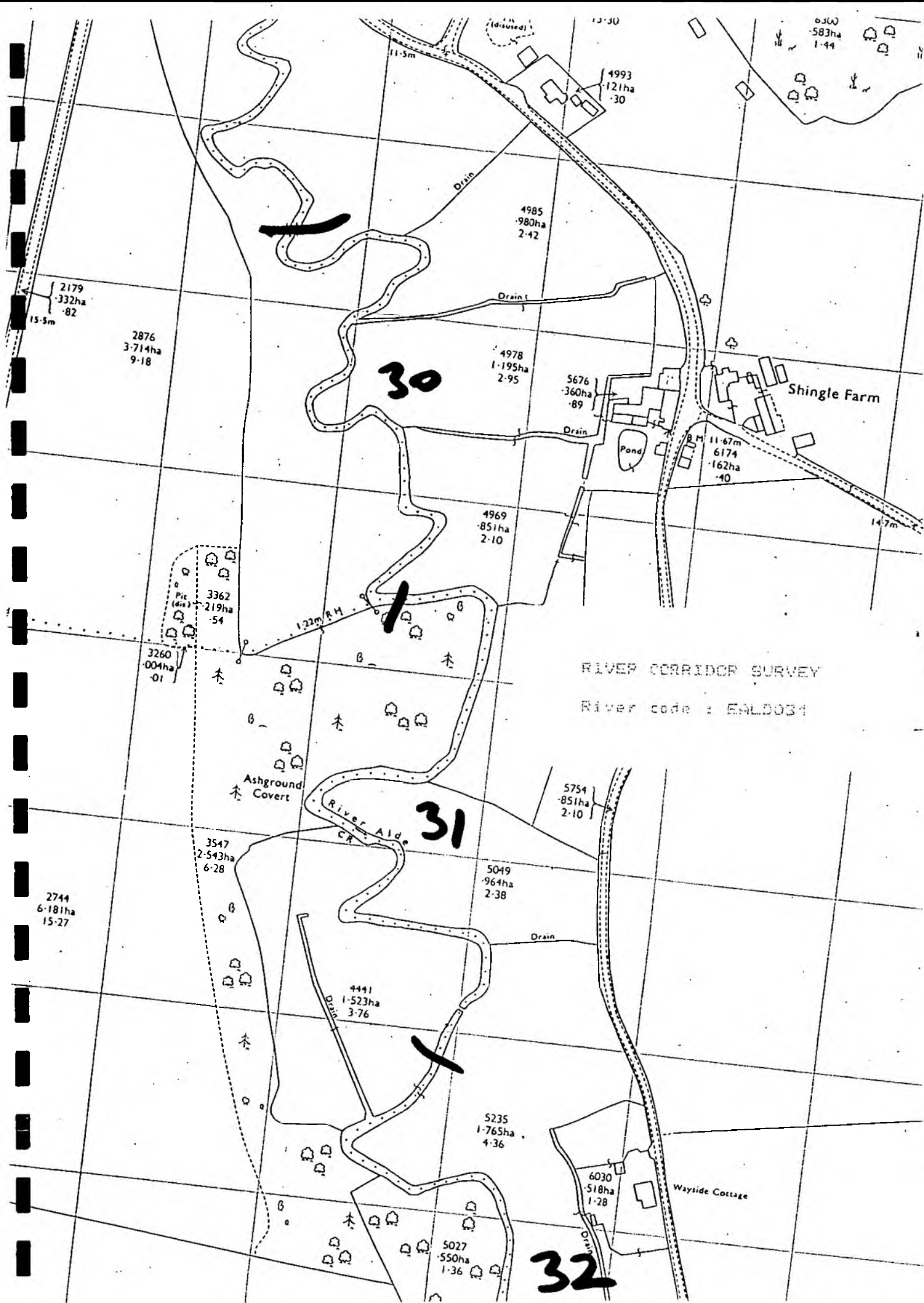
523	Ligus	ova	612	Odont	ver	694	Potam	alp	701	Rumex	*ace*	868	Solid	can	955	Valer	off
524		vul	613	Oenan	aqu	695		ber	702		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	703		acetosa	870		vir	957	Valer	off
526	Limon	vul	615		fis	697		gra	704		con	871	Sonch	arv	958	Verba	off
527	Linar	pur	616		lac	698		luc	705		crispus	872		asp	959		off
528		rep	617	Oenot	cam	699		nat	706		hyd	873		ole	960	Verbe	off
529		vul	618		ery	700		obt	707		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	708		obt	875		auc	962		agr
531	Liste	ova	620	Ononi	rep	702		per	709		san	876		int	963		agr
532	Litho	arv	621		spi	703		pol	710		acu	877	Sparg	ang	964		agr
533		off	622	Onopo	aca	704		pus	711		ape	878		eme	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	712		ape	879		ere	966		change
535	Loliu	mul	624	Orchi	mas	706		ans	713		ere	880		min	967		change
536		per	625		mor	707		arg	714		mar	881	Spart	ang	968		change
537	Lonic	per	626	Origa	vul	708		erecta	715		nod	882	Sperg	arv	969	hed	hed
538	Lotus	cor	627	Ornit	umb	709		pal	716	Prune	pro	883	Sperg	mar	970	hed	hed
539		uli	628	Ornit	per	710		rep	717	Prunu	avi	884		med	971		hed
540	Lunar	ann	629	Oxali	ace	711		ste	718		sag	885		rub	972		hed
541	Lupin	arb	630	Papav	arg	712	Primu	far	719		agg	886	Spira	agg	973		hed
542	Luzul	cam	631		dub	713		ver	720		alb	887	Stach	arv	974		hed
543		mul	632		rho	714		vul	721		aur	888		x	975		hed
544		pil	633		som	715		vu x ve	722		cap	889		amb	976		hed
545		syl	634	Parap	str	716	Prune	vul	723	Pseud	ole	890		off	977	Vibur	hed
546	Lychn	flo	635	Parie	jud	717		avi	724	Pucci	fra	891		pal	978		hed
547	Lyciu	bar	636	Paris	qua	718		cerasus	725		pen	892	Stell	syl	979	Vicia	hed
548		chi	637	Parna	pal	719		dom	726	Pulic	phy	893		als	980		hed
549	Lycop	eur	638	Pasti	sat	720		lauro	727	Pulmo	pur	894		gra	981		hed
550	Lysim	nem	639	Pedic	pal	721		pad	728	Pyrus	repens	895		hol	982		hed
551		num	640		syl	722		spi	729	Querc	tri	896		*med	983	sat	hed
552		pun	641	Penta	sem	723		men	730		vim	897		med	984	sat	hed
553		vul	642	Betas	alb	724		dis	731		kai	898		neg	985		hed
554	Lythr	por	643		fra	725		mar	732		ebu	899	Suaed	nem	986		hed
555		sal	644		hyb	726		dys	733		nig	900	Succi	mar	987	Vinca	hed
556	Mahon	aqu	645	Phala	aru	727		off	734		val	901	Symph	pra	988		hed
557	Malus	syl	646		can	728		off	735		min	902	Symph	riv	989	Viola	hed
558	Malva	mos	647	Phleu	are	729		min	736		off	903		off	990		hed
559		neg	648		pra	730		pyr	737		eur	904	Syrin	x	991		hed
560		syl	649		pra	731		cer	738		off	905	Tamur	upl	992		hed
561	Marru	vul	650		ber	732		ile	739		gra	906	Tanac	vul	993		hed
562	Matri	mat	651		pra	733		pet	740		hyp	907		par	994		hed
563		rec	652	Phrag	aus	734		tob	741		ste	908	Tarax	par	995		hed
564	Mecon	cam	653	Ricea	abi	735	Ranun	scr	742		tri	909	Taxus	vul	996		hed
565	Medic	ara	654		sit	736		*aqu	743		umb	910	Teu	agg	997		hed
566		lup	655	Picri	ech	737		aqu	744		col	911	Tau	bac	998	tri	hed
567		sac	656		hie	738		aur	745		lac	912	Thali	scoro	999	Viscu	hed
568	Melam	pra	657	Pimpi	maj	739		bulbo	746		tab	913		fla	1000	Vulpf	hed
569	Melic	nut	658		sax	740		cir	747		nig	914	Thlas	min	1001		hed
570		uni	659	Pingu	vul	741		fic	748		mar	915	Thuja	arv	1002		hed
571	Melil	alb	660		con	742		fic	749		syl	916	Thymu	pli	1003		hed
572		alt	661		nig	743		fic	750		ann	917	Tilia	pra	1004		hed
573		off	662		syl	744		fla	751		aur	918		cor	1005		hed
574	Menth	aqu	663	Plant	cor	745		hed	752		njd	919	Toril	vul	1006		hed
575		arv	664		lan	746		lingua	753		umb	920		jap	1007		hed
576		x pip	665		maj	747		oni	754		gal	921	Trago	nod	1008		hed
577		x ver	666		mar	748		pel	755		min	922	Trich	pra	1009		hed
578		x vil	667	Plata	med	749		pen	756		acr	923	Trifo	ces	1010		hed
579	Menya	tri	668		bif	750		repens	757		alb	924		arv	1011		hed
580		per	669		chl	751		ace	758		ang	925		cam	1012		hed
581	Mercu	per	670	Poa	ann	752		tric	759		ref	926		dub	1013		hed
582		eff	671		com	753		tric	760		rosea	927		fra	1014		hed
583	Mimul	agg	672		nemor	754	Rapha	rap	761		tel	928		hyb	1015		hed
584	Moehr	tri	673		*pra	755	Resed	lut	762		Senpe	929		mic	1016		hed
585		cae	674		pra	756		luteola	763		Senec	930		pra	1017		hed
586	Monti	fon	675		sub	757	Reyno	jap	764		eru	931	Triql	rep	1018		hed
587		per	676		tri	758		sac	765		jac	932		mar	1019		hed
588		sib	677	Polyg	ser	759	Rhamn	cat	766		acu	933	Tripl	pal	1020		hed
589	Mycel	mur	678		vul	760		*min	767		syl	934		ino	1021		hed
590	Myoso	arv	679		mul	761	Rhodo	pon	768		vis	935		mar	1022		hed
591		dis	680	Polyg	amp	762		alb	769		vul	936	Trise	fla	1023		hed
592		lax	681		are	763	Rhync	alp	770		tin	937		cro	1024		hed
593		ram	682		*avi	764		nig	771		vul	938	Troll	eur	1025		hed
594		scorp	683		avi	765	Ribes	rub	772		san	939	Tsuga	het	1026		hed
595		sec	684		bis	766		uva	773		uva	940		far	1027		hed
596		syl	685		lap	767	Rorip	amp	774		pal	941	Tussi	ang	1028		hed
597	Myoso	aqu	686		minus	768		pal	775		syl	942		lat	1029		hed
598	Myric	gal	687		oxy	769		syl	776		alba	943	Ulex	eur	1030		hed
599		alt	688		per	770	Rosa	agg	777		dio	944		gal	1031		hed
600		spi	689		per	771		arv	778		mar	945	Ulmus	pro	1032		hed
601	Myrrh	odo	690		poly	772		*can	779		vul	946		gla	1033		hed
602	Narci	pse	691	Popul	alb	773		*rub	780		lat	947	Umbil	rup	1034		hed
603	Nardu	str	692		x canad	774		*rugosa			dul	948	Urtic	dia			hed
604	Narth	oss	693		x canes	775		*tom			nig	949		ure			hed
605	Nastu	mic			tre	776	Rubus	cae				950		aus			hed
606		off				777		cham				951		min			hed
607		off				778		*fru				952	Vaccl	vul			hed
608	Neott	nid				779		ida				953		myr			hed
609	Neot	cat				780		sax				954		oxy			hed
610	Nupha	lut												vit			hed
611	Nymph	alb															hed

Physical and Habitat Data

River Section No: EALDE31

Date: 22/9/94

	Feature	Section Data	Input
1	Riffles		5
2	Pools		2
3	Cliffs		1
4	Berms		6
5	Meanders		4
6	Riparian Strip Left Bank - % Length	☉ %	N
7	Riparian Strip Right Bank - % Length	☉ %	N
8	Trapezoidal Channel	☉ Y/N	Y
9	Land Use - Left Bank	A.G.W.S.H.I.L.SG.IG.RG	IG
10	Land Use - Right Bank	A.G.W.S.H.I.L.SG.IG.RG	W
11	Trees - Dense	L/R	R
12	Trees - Scattered	☉ L/R	L
13	Scrub - Dense	L/R	D
14	Scrub - Scattered	L/R	L
15	Emergent Fringe - Left Bank % Length	☉ %	4
	Emergent Fringe - Right Bank % Length	☉ %	



Section Code: GAU031



Photograph Number: |

RIVER CORRIDOR QUALITY CONTROL

River . ALDE
Section . EAND032
Auditor . S. TRANTERCHECK LIST

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Good - major species well mapped & labelled

Flow and current
featuresAdequate - nothing mapped (but flow even and slow $\therefore$ no symbols). Pools mapped.Substrate and physical
features

Adequate - Channel noted as shaded (dark) d/s. But wooden 'jetty' mixed. No substrate given.

MARGINAL ZONE

Plant communities

Good - well mapped. Major species given.

Substrate and Physical features

Good - though nothing to note.

EALD 032

BANK ZONE

Trees

Poor - trees & shrubs poorly mapped. Wrong positions along banks. Wrong ^{symbol} use of continuous shrub
Several trees missed.

Other plant communities

Good - major communities noted (but ⁹⁰ symbols used - should be ⁷⁰ ₉)

Physical features

Good - though little to record.

ADJACENT LAND USE

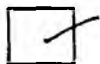
Land use

Good - land use (eg grazing) noted

Habitat types

Good - main species noted where important.

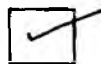
3. CROSS SECTIONS

Width of water
filled channel

Depth of water

Water level relative
to top of bank

Bank height



Flood bank width



width



height



slope



landuse



land use to be omitted.

4. SUMMARY DESCRIPTION

Conditions



Typical features

Poor - very brief.

Marginal Vegetation LB & RB

Good - main species recorded.

Banks LB & RB

Good - main species/communities noted.

Adjacent landuse LB & RB

Adequate

Fauna

Good

Recreation

Poor - not recorded (None).

Existing Management

Poor - not recorded

Threats

Good

Suggested habitat improvement

None suggested.

6. GENERAL NOTES AND ASSESSMENT

Adequate survey of in-channel vegetation let down by poor mapping of bankside trees/shrubs. Channel drawn slightly too narrow.

Score: $\frac{37}{51} = 72.5\%$

River Name:

AWE

Section Code:

EALD 032

Grid Refs:

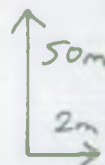
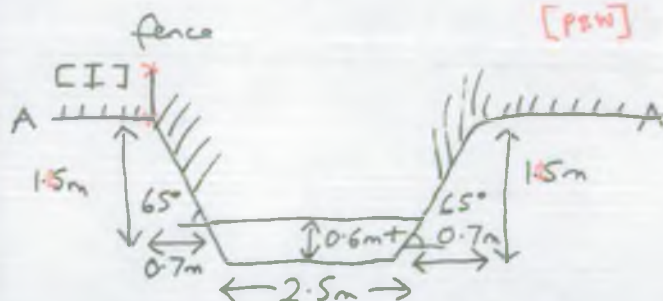
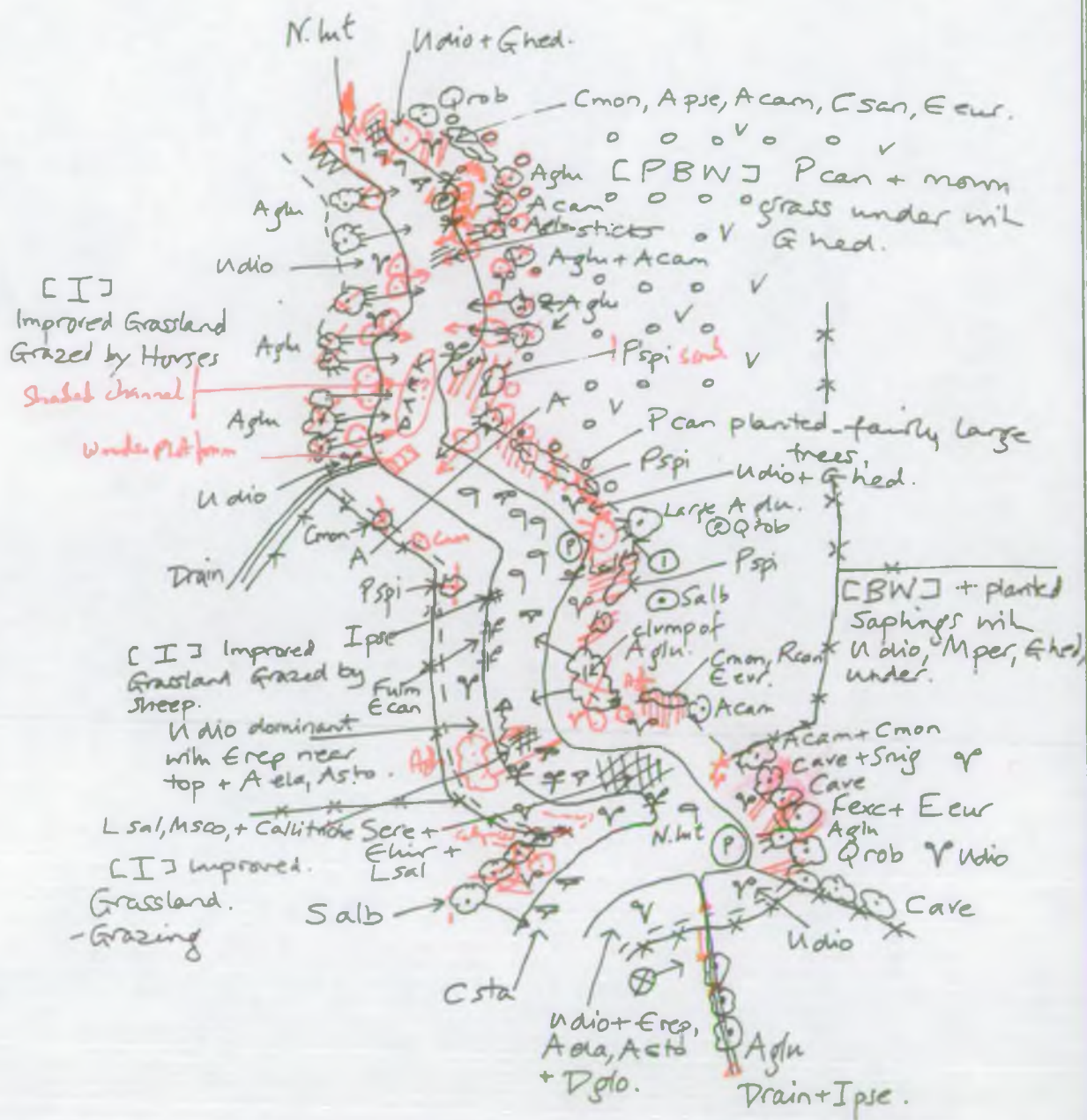
TM 3549 6238
TM 3566 6213

Survey Date:

22-9-94

Surveyor:

Lil Tudor-Craig



DATE: 22 September 1994

CODE: EALD 032

Ecosurveys Ltd

CONDITIONS

Dry. Surveyed from right bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- | | | |
|-----|--------------|--|
| i | Broad nature | A meandering river channel with slow flow. |
| ii | Dimensions | 2.5m wide and 0.6m+ deep. |
| iii | Substrate | Sand and silt. |
| iv | Bank type | Both banks are steep, 1.5m high with 65° slopes. |

LAND USE

- | | |
|----|--|
| LS | Improved grassland. |
| RS | Improved grassland and planted broadleaved woodland. |

BANK
VEGETATION

- | | |
|----|---|
| LB | Dominated by <i>Urtica dioica</i> with <i>Elymus repens</i> and <i>Arrhenatherum elatius</i> . Trees occur comprising mainly <i>Alnus glutinosa</i> and <i>Salix alba</i> with occasional <i>Crataegus monogyna</i> and <i>Populus</i> sp. |
| RB | Dominated by <i>Urtica dioica</i> , <i>Glechoma hederacea</i> and <i>Mercurialis perennis</i> . Trees occur comprising mainly <i>Alnus glutinosa</i> , <i>Corylus avellana</i> , <i>Quercus robur</i> , <i>Acer campestre</i> and <i>Prunus spinosa</i> . |

CHANNEL
VEGETATION

Frequent *Nuphar lutea* and *Callitriche* sp. Emergents *Sparganium erectum*, *Myosotis scorpioides* and *Lythrum salicaria* with occasional *Filipendula ulmaria* and *Elodea canadensis* occur.

FEATURES OF
INTEREST

Frequent mature alders. Good channel vegetation.

THREATS

None.

FAUNA

Moorhen. Rabbits. Grasshoppers. Ladybirds.

NUMBER OF SPECIES
RECORDED

48.

EALD 032

DATES SURVEYED

22-9-94

SURVEYORS NAME

Lil Tudor-Craig

Asple	adi	87	Amrop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
mar		88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Reder	hel
rut		89	Anaga	arv	175	Calys	pul	262	Circ x	int	349		tet	438	Belia	num
tri		90		ten	176		scp	263		lut	350	Erige	ace	439	Helle	foe
qua		91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
tri		92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
vir		93	Anemo	nem	179	Campa	gio	266		dis	353	Eriop	ang	442		sph
8	Athyr	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
Bleach	spi	95	Anten	dio	181	rapunculo		268		hel	355		vag	444	Hiera	agg
Botry	lun	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
Ceter	off	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	oom
12	Crypt	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	rha
13	Cysto	99	Anthr	syl	185	Carda	ama	272	Clino	vul	359	Erysi	che	448	Hippo	vul
Dipha	alp	100	Anthy	vul	186		fle	273	Cochl	ang	360	Eur	eur	449	Holcu	lan
Dryop	aff	101	Aphan	arv	187		hir	274		dan	361	Eupat	can	450		mol
	car	102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	pep
17	dil	103		mic	189		pra	276		off	363		exi	452	Horde	mur
18	fil	104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
	ore	105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Bumil	lup
0	Equis	106		nod	192		nut	279	Coniu	mac	366		peplus	455	Hyaci	non
	flu	107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
22	hye	108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23	palust	109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
4	syl	110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
5	tel	111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
26	var	112	min	min	198		cur	285		squ	372		*ovina	461		hum
27	vano	113	min	nem	199		dem	286	Coryd	cla	373		pra	462		mac
28	uper	114	Arena	*ser	200		dia	287		lut	374		*rubra	463		mon
29	Bymen	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
30	Isoet	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
31	Lycop	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
32	Ophio	118	Arche	ela	204		ech	291	Grata	mon	378	Filip	ulm	467	Hypoc	rad
33	Oreop	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	agu
34	Osmun	120		mar	206		ext	293	Crepi	bie	380	Foeni	vul	469	Impat	gla
35	Phego	121		vul	207		flacca	294		cap	381	Fraga	ves	470		nol
36	Phyll	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
37	Polyp	123	Asper	cyn	209		hos	296		ves	383	Praxi	exc	472	Inula	con
38		124	Ast*mov	b	210		lae	297	Crypt	jap	384	Pumar	mur	473	Iris	foe
39		125		tri	211		las	298	Cymba	mur	385		off	474		pse
40		126	Astra	dan	212		lep	299	Cynop	off	386	Galan	niv	475	Isole	set
41	Polys	127		gly	213	mur	laq	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42		128	Atrip	gla	214		nig	301	Cytis	ago	388		spe	477	Junc	acuti
43	Pter	129		lac	215		otr	302	Dacty	glo	389		*tet	478		art
44	Selag	130		lit	216		ova	303	Dacty	fuc	390		tet	479		*buf
45	Abies	131		pet	217		pal	304		inc	391	Galin	cil	480		buf
46		132		pro	218	panicea		305		mac	392		par	481		*bul
47		133	Atrop	bel	219	panicula		306		pra	393	Galiu	spa	482		bul
48	Acar	134	Avena	fat	220		pen	307		pur	394		cru	483		conglo
49		135	Avena	pra	221		pil	308	Danth	dec	395		elo	484		eff
50		136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
51	Achil	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
52		138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		koc
53	Acino	139	Barbe	int	225		rip	312		fle	399		*pal	488		mar
	Aconi	140		ver	226		rostra	313	Desma	mar	400		pal	489		squ
5	Acoru	141		vul	227		ser	314		rig	401		saxat	490		subnod
56	Adoxa	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
57	Agop	143	Berbe	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
58	Aescu	144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	ela
59	Aethu	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
60	Agrim	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	agg
61		147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
62	Agros	148	Biden	cer	234	Catab	agu	321	Draba	inc	408		cam	497	Lamia	gal
63		149		tri	235	Centa	mon	322	Drose	int	409	Geran	col	498	Lamiu	alb
64		150	Black	per	236		nig	323		rot	410		dis	499		amp
65		151	Blyem	com	237		sca	324	Echiu	vul	411		end	500		hyb
66		152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
67		153		syl	239		pul	326		mul	413		molle	502		pur
68	Aira	154	Brass	nap	240	Centr	rub	327		palust	414		pha	503	Lapsa	com
69		155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
70	Ajuga	156		rap	242		dif	329		uni	416		pus	505		x
71	Alche	157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		kae
72	fil	158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	squ
73	fil	159		era	245		sem	332		rut	419		san	508	Lathy	mon
74		160	hor	hor	246		tom	333	Elymu	can	420		syl	509		pra
75		161		ram	247	Chaen	min	334		far	421	Geum x	int	510		syl
76	Allia	162		ste	248	Chae	tem	335		pyc	422		riv	511	Lenna	gib
77	Allia	163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		minor
78	Alliu	164	Buddl	dav	250	Chame	ang	337	Empet	nig	424	Glauc	fla	513		pol
79		165	Butom	umb	251	Cheli	naj	338	Epilo	bru	425	Glaux	mar	514		tri
80		166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	aut
81		167	Caia	can	253		bon	340		hir	427	Glyce	dec	516		his
82	Alnus	168		spi	254	Chene	mur	341		montan	428		flu	517		tar
83	Alope	169	Calli	agg	255		pol	342		obs	429		max	518	Lepid	cam
84		170		han	256		rub	343		pal	430		x ped	519		het
85		171		obt	257	Chrys	seg	344		par	431		pli	520		rud
86		172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	vul
					259		opp	346		tet	433		uli	522	Leymu	are
											434	Groen	den			
											435	Gyma	con			

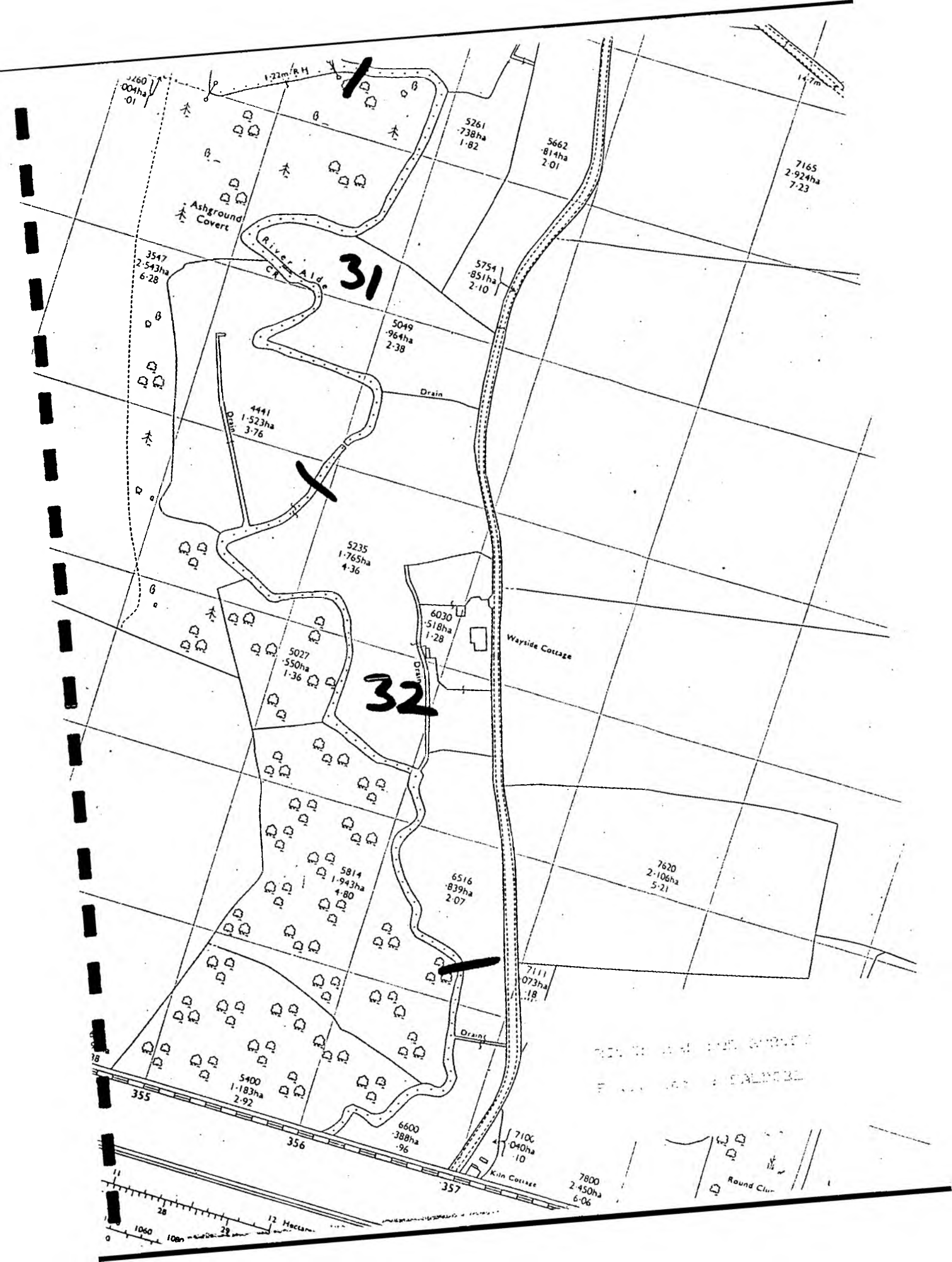
523	Ligul	ova	524	vul	525	Liliu	mar	526	Limon	vul	527	Linar	pur	528	rep	529	vul	530	Linum	cat	531	Liste	ova	532	Litho	arv	533	off	534	Litto	uni	535	Loliu	mul	536	per	537	Lonic	per	538	Lotus	cor	539	uli	540	Lunar	ann	541	Lupin	arb	542	Luzul	cam	543	mul	544	pil	545	syl	546	Lychn	flo	547	Lyciu	bar	548	chi	549	Lycop	eur	550	Lysim	nem	551	num	552	pun	553	vul	554	Lythr	por	555	sal	556	Mahon	agu	557	Malus	syl	558	Malva	mos	559	neg	560	syl	561	Marru	vul	562	Matri	mat	563	rec	564	Mecon	cam	565	Medic	ara	566	lup	567	sat	568	Melam	pra	569	Melic	nut	570	uni	571	Melil	alb	572	alt	573	off	574	Menth	agu	575	arv	576	x	pip	577	x	ver	578	x	vil	579	Menya	tri	580	Merco	per	581	Milliu	eff	582	Mimul	agg	583	Moehr	tri	584	Molin	cae	585	Monti	fon	586	per	587	sib	588	Mysel	mur	589	Myoso	arv	590	dis	591	lax	592	ram	593	scorp	594	sec	595	syl	596	Myoso	agu	597	Myric	gal	598	Myrio	alt	599	spi	600	Myrrh	odo	601	Narcci	pse	602	Nardu	str	603	Narth	oss	604	Nastu	mic	605	*off	606	off	607	x	m	608	Neott	nid	609	Nepet	cat	610	Nupha	lut	611	Nymph	alb	612	Odont	ver	613	Oenan	agu	614	cro	615	fis	616	lac	617	Oenot	cam	618	ery	619	Onobr	vic	620	Ononi	rep	621	spi	622	Onopo	aca	623	Ophry	api	624	Orchi	mas	625	mor	626	Origa	vul	627	Ornit	umb	628	Ornit	per	629	Oxali	ace	630	Papav	arg	631	dub	632	rho	633	som	634	Parap	str	635	Parie	jud	636	Paris	qua	637	Parna	pal	638	Pasti	sat	639	Pedic	pal	640	syl	641	Penta	sem	642	Petas	alb	643	fra	644	hyb	645	Phala	aru	646	can	647	Phleu	ace	648	pra	649	pra	650	pra	651	Phrag	aus	652	Picea	abi	653	sit	654	Picri	ech	655	hle	656	Pimpi	naj	657	sax	658	Pingu	vul	659	Pinus	con	660	nig	661	syl	662	Plant	cor	663	lan	664	naj	665	mar	666	med	667	Plata	bif	668	chi	669	Poa	ann	670	com	671	nemor	672	*pra	673	pra	674	sub	675	tri	676	Polyg	ser	677	vul	678	Polyg	mul	679	Polyg	amp	680	are	681	*avi	682	avi	683	bis	684	hydro	685	lap	686	minus	687	oxy	688	per	689	poly	690	Popul	alb	691	x	canad	692	x	canes	693	tre	694	Potam	alp	695	ber	696	cri	697	gra	698	luc	699	nat	700	obt	701	pectin	702	per	703	pol	704	pus	705	Poten	ang	706	ans	707	arg	708	erecta	709	pal	710	rep	711	ste	712	Primu	far	713	ver	714	vul	715	vu	x	ve	716	Prune	vul	717	Prunu	avi	718	cerasus	719	dom	720	lauro	721	pad	722	spi	723	Pseud	men	724	Pucci	dis	725	mar	726	Pulic	dys	727	Pulmo	off	728	Pyrol	min	729	Pyrus	pyr	730	Querc	cer	731	ile	732	pet	733	rob	734	Ranun	act	735	*aqu	736	agu	737	aur	738	bulbo	739	cic	740	fic	741	fic	742	fic	743	fla	744	hed	745	lingua	746	oni	747	pel	748	pen	749	repens	750	sce	751	tric	752	Rapha	rap	753	Resed	lut	754	luteola	755	Rayno	jap	756	sac	757	Rhamn	cat	758	Rhino	*min	759	Rhodo	pon	760	Rhync	alb	761	Ribes	alp	762	nig	763	rub	764	san	765	uva	766	Rorip	amp	767	pal	768	syl	769	Rosa	agg	770	arv	771	*can	772	pim	773	*rub	774	rugosa	775	*tom	776	Rubus	cae	777	chan	778	*fru	779	ida	780	sax	781	Rumex	*ace	782	ace	783	acetosa	784	con	785	crispus	786	hyd	787	lon	788	obt	789	san	790	Ruscu	acu	791	Sagin	*ape	792	ape	793	ape	794	mar	795	nod	796	pro	797	Sagit	sag	798	Salic	agg	799	Salix	alb	800	aur	801	cap	802	ole	803	fra	804	pen	805	phy	806	pur	807	repens	808	tri	809	vim	810	Salso	kai	811	Sambu	ebu	812	nig	813	Samol	var	814	Sangu	min	815	off	816	Sanic	eur	817	Sapon	off	818	Saxif	gra	819	hyp	820	ste	821	tri	822	spa	x	umb	823	Scabi	col	824	Schoe	lac	825	tab	826	Schoe	nig	827	Scirp	mar	828	syl	829	Scler	ann	830	Scrop	aur	831	nod	832	umb	833	Scute	gal	834	min	835	Sedum	acr	836	alb	837	ang	838	ref	839	rosea	840	tel	841	Senpe	tec	842	Senec	agu	843	eru	844	jac	845	squ	846	syl	847	vis	848	vul	849	vul	f	lig	850	vul	f	vul	851	Serra	tin	852	Sesle	alb	853	Shera	arv	854	Silau	sil	855	Sillen	alba	856	dio	857	mar	858	vul	859	Silyb	mar	860	Sinap	alb	861	arv	862	Sison	amo	863	Sisym	off	864	ori	865	Sium	lat	866	Solan	dul	867	nig	868	Solid	can	869	gig	870	vir	871	Sonch	arv	872	asp	873	ole	874	Sorb	*ari	875	auc	876	int	877	Sparg	ang	878	eme	879	ere	880	min	881	Spart	ang	882	Sperg	arv	883	Sperg	mari	884	med	885	rub	886	Spira	agg	887	Stach	arv	888	x	amb	889	off	890	pal	891	syl	892	Stell	als	893	gra	894	hol	895	*med	896	med	897	neg	898	nem	899	Suaed	mar	900	Succi	pra	901	Symph	riv	902	Symph	off	903	x	upl	904	Syrin	vul	905	Tamus	com	906	Tanac	par	907	vul	908	Tarax	agg	909	Taxus	bac	910	Teu	scoro	911	Thali	fla	912	min	913	Thlas	arv	914	Thuja	pli	915	Thymu	pra	916	Tilia	cor	917	x	vul	918	Toril	jap	919	nod	920	Trago	pra	921	Trich	ces	922	Trifo	arv	923	cam	924	dub	925	fra	926	hyb	927	medium	928	mic	929	pra	930	rep	931	Trigl	mar	932	pal	933	Tripl	ino	934	mar	935	Trise	fla	936	Trit	x	cro	937	Troll	eur	938	Tsuga	het	939	Tussi	far	940	Typha	ang	941	lat	942	Ulex	eur	943	gal	944	Ulmus	gla	945	pro	946	Umbil	rup	947	Urtic	dio	948	ure	949	Utric	aus	950	min	951	vul	952	Vaccl	myr	953	oxy	954	vlt	955	Valer	dio	956	off	957	Valer	off	958	Verba	off	959	than	off	960	Verbe	off	961	Veron	agg	962	off	963	off	964	bec	965	cat	966	chan	967	off	968	hed	hed	969	hed	hed	970	hed	luc	971	off	972	off	973	pers	off	974	pol	975	scu	976	off	977	Vibur	off	978	off	979	Vicia	off	980	off	981	off	982	sat	983	sat	984	sep	985	off	986	off	987	Vinca	off	988	min	989	Viola	off	990	off	991	off	992	off	993	odorat	994	off	995	off	996	off	997	tri	998	Viscu	alb	999	Vulpf	off	1000	off	1001	Wahle	off	1002	Zanni	pal	1003	Popul	nig	1004	Tilia	off	1005	Cerat	off	1006	Amara	off	1007	Salix	agg	1008	Ranun	flu	1009	Poa	arv	1010	Heli	off	1011	Heli	ann	1012	Anthe	tin	1013	Oenot	off	1014	Galiu	off	1015	Galiu	off	1016	Bromu	arv	1017	Menth	spi	1018	Anthr	off	1019	Chara	off	1020	Stell	off	1021	Hotto	pal	1022	Alism	lan	1023	Anchu	off	1024	Calli	off	1025	Calli	off	1026	Isati	tin	1027	Atrip	sab	1028	Rumex	off	1029	Bromu	off	1030	Ulmus	off	1031	Fontin	agg	1032	Calam	off	1033	Azo	fil	1034	Potam	off
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Physical and Habitat Data

River Section No: EALDE32

Date: 22/9/94

	Feature	Section Data	Input
1	Riffles		0
2	Pools		3
3	Cliffs		1
4	Berms		0
5	Meanders		2
6	Riparian Strip Left Bank - % Length	0 %	N
7	Riparian Strip Right Bank - % Length	0 %	N
8	Trapezoidal Channel	(Y/N)	Y
9	Land Use - Left Bank	A.G.W.S.H.I.L.SG.IG.RG	IG
10	Land Use - Right Bank	A.G.(W).S.H.I.L.SG.(IG).RG	(W)
11	Trees - Dense	L/R	R
12	Trees - Scattered	(L/R)	L
13	Scrub - Dense	L/R	D
14	Scrub - Scattered	L/R	U
15	Emergent Fringe - Left Bank % Length	20 %	4
	Emergent Fringe - Right Bank % Length	25 %	



Section Code: GAU 037



Photograph Number: |

Ecosurveys Ltd

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River . . . ALOE
Section . . . ENLO 033
Auditor . . . P. COLLINS

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Good - limited flora well recorded.

Flow and current features

Poor - only recorded on descriptions

Substrate and physical features

Poor - only recorded on descriptions. Ripples + bars omitted

MARGINAL ZONE

Plant communities

Good - limited flora well recorded.

Substrate and Physical features

Poor - bars + sandy shoals omitted.

BANK ZONE

Trees

Poor - RB totally distorted. Trees in wrong place, omitted etc.

Other plant communities

Good - species given - wrong symbol used ap

Physical features

Poor - erosion cliffs + artificial areas not recorded

ADJACENT LAND USE

Land use

Adequate - ditches and fences have been omitted.

Habitat types

Adequate - little to record.

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



Generally good.

4. SUMMARY DESCRIPTION

Conditions



Typical features

Poor - very short - will no mention of inchannel morphological features.

Marginal Vegetation LB & RB

Poor - does not differentiate LB & RB communities not indicate flat stands are confined to shelves and open areas.

Banks LB & RB

Adequate - will no mention of occasional trees to LB or open areas to RB.

Adjacent landuse LB & RB

Good - little to record

Fauna

Good.

Recreation

Good -

Existing Management

Poor. None recorded

Threats

Good.

Suggested habitat improvement

Poor - none made.

6. GENERAL NOTES AND ASSESSMENT

Poor survey with a totally distorted right bank and omitted in-channel features & bank morphological features.

$$\frac{28}{51} = 55\%$$

DATE: 22 September 1994

CODE: EALD 033

Ecosurveys Ltd

CONDITIONS

Partial cloud, sun and windy. Surveyed from both banks. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- i Broad nature A meandering channel with moderate flow. - no mention of riffles or shelves or pools
- ii Dimensions 2.5m wide and 0.5m deep.
- iii Substrate Sand, silt and gravel.
- iv Bank type Both banks are steep, 1.5m high with 50°-60° slopes. Small area grassland + some erosion. LB - p often to 90°

LAND USE

- LS Horse-grazed improved grassland.
- RS Poplar plantation; cattle-grazed improved grassland and remnant woodland.

BANK
VEGETATION

- LB Mostly dominated by *Urtica dioica*, *Epilobium hirsutum* and *Lythrum salicaria*.
- RB Mostly dominated by mature trees and shrubs of *Alnus glutinosa*, *Quercus robur*, *Prunus spinosa* and *Crataegus monogyna* with *Salix cinerea*, *Salix fragilis*, *Acer campestre*, *Fraxinus excelsior* and *Populus canescens* over *Urtica dioica*, *Epilobium hirsutum*, *Cirsium arvense* and *Solanum dulcamara*.

CHANNEL
VEGETATION

Frequent emergent clumps of *Mentha aquatica* and *Myosotis scorpioides* with *Epilobium hirsutum*, *Sparganium erectum*, *Phalaris arundinacea* and *Lythrum salicaria*. Locally abundant *Callitriche stagnalis* and *Nuphar lutea*.

FEATURES OF
INTEREST

Diverse mix of mature bankside trees and shrubs.

THREATS

None.

FAUNA

Long-tailed tit and moorhen.

NUMBER OF SPECIES
RECORDED

59.

SECTION CODE

EALD 033

DATES SURVEYED

22 / 9 - 94

SURVEYORS NAME

Claire Davis

Asple	adi	87	Annop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
3	mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
4	rut	89	Anaga	arv	175	Calys	pal	262	Circ	x int	349	Erige	tet	438	Hella	num
	tri	90		ten	176		sep	263		lut	350	Erige	ace	439	Helle	foe
	qua	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
	vir	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		son
8	Athyr	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
	Blech	95	Anten	dio	181	rapunculo		268		hel	355		vag	444	Hiera	agg
	Botry	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
	Ceter	97		cot	183		tra	270		vir	357	Eroph	ver	446	Hippo	com
12	Crypt	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	rha
13	Cysto	99	Anthr	syl	185	Carda	ama	272	Cliho	vul	359	Erysi	che	448	Hippo	vul
	Dipha	100	Anthy	vul	186		fle	273	Cochl	ang	360	Euphy	can	449	Holcu	lan
	Dryop	101	Aphan	*arv	187		hir	274		dan	361	Eupat	can	450		mol
		102		arv	188		imp	275		*off	362	Eupho	any	451	Honke	pep
17		103		mic	189		pra	276		off	363		exi	452	Horde	mur
18		104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
	ore	105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
	Equis	106		nod	192		nut	279	Coniu	mac	366		peplus	455	Hyaci	non
		107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
22		108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23	palust	109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
		110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
		111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
		112		min	198		cur	285		squ	372		*ovina	461		hum
27	Gymno	113		min	199		dem	286	Coryd	cla	373		pra	462		mac
	per	114	Arena	*ser	200		dia	287		lut	374		*rubra	463		mon
	hymen	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
		116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
		117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
31	Lycop	118	Arthe	ela	204		ech	291	Crata	mon	378	Filip	ulm	467	Hypoc	rad
32	Ophio	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	agu
33	Oreop	120		mar	206		ext	293	Crepi	bie	380	Foeni	vul	469	Impat	gla
34	Osmun	121		vul	207		flacca	294		cap	381	Fraga	ves	470		nol
35	Phego	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
36	Phyll	123	Asper	cyn	209		hos	296		ves	383	Fraxi	exc	472	Inula	con
37	Polyp	124	Ast*nov	b	210		lae	297	Crypt	jap	384	Fumar	mur	473	Iris	foe
38		125		tri	211		las	298	Cymba	mur	385		off	474		pse
39		126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
40		127		gly	213	mur	lag	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
41	Polys	128	Atrip	gla	214		nig	301	Cytis	sco	388		spe	477	Junc	acuti
42		129		lac	215		otr	302	Dacty	glo	389		*tet	478		art
43	Pterid	130		lit	216		ova	303	Dacty	fuc	390		tet	479		*buf
44	Selag	131		pat	217		pal	304		inc	391	Galin	cil	480		buf
45	Abies	132		pro	218		panicea	305		mac	392		par	481		*bul
46		133	Atrop	bel	219		panicula	306		pra	393	Garlu	ana	482		bul
47		134	Avena	fat	220		pen	307		pir	394		cru	483		conglo
48	Acer	135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		eff
49		136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
50		137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
51	Achil	138	Barba	int	224		rem	311	Desch	ces	398		odorat	487		koc
52		139		ver	225		rip	312		file	399		*pal	488		mar
53	Acino	140		vul	226		rostra	313	Desma	mar	400		pal	489		squ
54	Acon	141		per	227		ser	314		rig	401		saxat	490		subnod
55	Acoru	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
56	Adoxa	143	Berber	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
57	Aegop	144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	ela
58	Aescu	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
59	Aethu	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	agg
60	Agrim	147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
61		148	Biden	cer	234	Catab	agu	321	Draba	inc	408		cam	497	Lamia	gal
62	Agros	149		tri	235	Centa	non	322	Drose	int	409	Geran	col	498	Lamio	alb
63		150	Black	per	236		nig	323		rot	410		dis	499		amp
64		151	Blysm	com	237		sca	324	Echlu	vul	411		end	500		hyb
65		152	Brach	pin	238	Centa	ery	325	Eleoc	sci	412		luc	501		mac
66		153		syl	239		pul	326		mul	413		molle	502		pur
67		154	Brass	nap	240	Centr	rub	327		palust	414		pha	503	Lapsa	com
68	Aira	155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
69		156		rap	242		dif	329		uni	416		pus	505		x eur
70	Ajuga	157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		kae
71	Alche	158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	squ
72		159		ere	245		sem	332		nut	419		san	508	Lathy	mon
73		160	hor	hor	246		tom	333	Elymu	can	420		syl	509		pra
74		161		ram	247	Chaen	min	334		far	421	Geum	x int	510		syl
75		162		ste	248	Chaer	tem	335		pyc	422		riv	511	Lemna	gib
76	Alism	163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		minor
77	Allia	164	Budd	dav	250	Chame	ang	337	Empet	nig	424	Glauc	fla	513		pol
78	Alliu	165	Butom	umb	251	Cheli	maj	338	Epilo	bru	425	Glaux	mar	514		tri
79		166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	aut
80		167	Caia	can	253		bon	340		hif	427	Glyce	dec	516		his
81	Alnus	168		epi	254	Chene	mur	341		montan	428		flu	517		tar
82		169	Calli	agg	255		pol	342		obs	429		max	518	Lepid	can
83	Alope	170		han	256		rub	343		pal	430		x ped	519		het
84		171		obt	257	Chrys	seg	344		par	431		pli	520		rud
85		172		stn	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	vul
86					259		opp	346		tet	433		uli	522	Leymu	are
											434	Groen	den			
											435	Gymna	con			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	701	Rumex	*ace*	868	Solid	can	955	Valer	dic
524		vul	613	Oenan	aqu	695		ber	782		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	783		acetosa	870		vir	957	Valer	loc
526	Limon	vul	615		fis	697		gra	784		con	871	Sonch	arv	958	Verba	ic
527	Linar	pur	616		lac	698		luc	785	<u>CRISPIUS</u>		872		asp	959		as
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ole	960	Verbe	of
529		vul	618		ery	700		obt	787		lon	874	Sorb	*ari	961	Veron	agn
530	Linum	cat	619	Onobr	vic	701		pectin	788		<u>obb</u>	875		auc	962		na
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		na
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	ang	964		na
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		eme	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	879		<u>era</u>	966		chamae
535	Lolium	mul	624	Orchi	mas	706		ans	793		ere	880		<u>min</u>	967		il
536		<u>per</u> F	625		mor	707		arg	794		mar	881	Spart	ang	968		ed
537	Lonic	per	626	Origa	vul	708		erecta	795		nod	882	Sperg	arv	969	hed	hed
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mari	970	hed	luc
539		uli	628	Ornit	per	710		rep	797	Sagit	sag	884		med	971		non
540	Lunar	ann	629	Oxali	ace	711		ste	798	Salic	agg	885		rub	972		ic
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	<u>Salix</u> <u>alb</u> R		886	Spira	agg	973		per
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		pol
543		mul	632		rho	714		vul	801		cap	888		x amb	975		scu
544		pil	633		som	715		vu x ve	802	<u>cin</u>	ole	889		off	976		per
545		syl	634	Parap	str	716	Prune	vul	803		<u>fra</u>	890		pal	977	Vibur	pu
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		syl	978		pu
547	Lycfu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	ais	979	Vicia	gra
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hid
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		ic
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri	895		<u>*med</u> F	982	sat	ic
551		num	640		syl	722		<u>spi</u> F	809		vim	896		med	983	sat	ic
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	kal	897		neg	984		sep
553		vul	642	Betas	alb	724	Pucci	dis	811	Sanbu	ebu	898		nem	985		syl
554	Lythr	por	643		fra	725		mar	812		<u>nig</u>	899	Suaed	mar	986		ic
555		<u>sal</u> F	644		hyb	726		dys	813	Samol	val	900	Succi	pra	987	Vinca	ic
556	Mahon	aqu	645	<u>Phala</u> <u>aru</u> F		727	Pulmo	off	814	Sangu	min	901	Symph	riv	988		min
557	Malus	syl	646		can	728	Pyrol	min	815		off	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903		x upl	990		gr
559		neg	648		pra	730	Querc	cer	817	Sapon	off	904	Syrin	vul	991		ic
560		syl	649		pra	731		ile	818	Saxif	gra	905	Tamus	com	992		ic
561	Marru	vul	650		pra	732		pet	819		hyp	906	Tanac	par	993		odorat
562	Matri	mat	651	Phrag	aus	733		<u>rob</u>	820		ste	907		vul	994		pal
563		rec	652	Ricea	abi	734	Ranun	acr	821		tri	908	Tarax	agg	995		ic
564	Mecon	cam	653		sit	735		*aqu	822		spa x umb	909	Taxus	bac	996		ic
565	Medic	ara	654	Picri	ech	736		aqu	823	Scabi	col	910	Teu	scoro	997		tri
566		lup	655		hie	737		aur	824	Schoe	lac	911	Thali	fla	998	Viscu	alb
567	sac	sat	656	Pimpi	maj	738		bulbo	825		tab	912		min	999	Vulpr	bro
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		ic
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pli	1001	Wahle	ic
570		uni	659	Pinus	con	741		fic bul	828		syl	915	Thymu	pra	1002	Zanni	ic
571	Melil	alb	660		nig	742		fic fic	829	Scler	ann	916	Tilia	cor	1003	Popul	nig
572		alt	661		syl	743		fla	830	Scrop	aur	917		x vul	1004	Tilia	pla
573		off	662	Plant	cor	744		hed	831		nod	918	Toril	jap	1005	Cerat	ic
574	<u>Menth</u> <u>acu</u> F		663		lan	745		lingua	832		umb	919		nod	1006	Amara	ic
575		arv	664		maj	746		omi	833	Scute	gal	920	Trago	pra	1007	Salix	agg
576	x	pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	flu
577	x	ver	666		med	748		pen	835	Sedum	acr	922	Trifo	arv	1009	Poa	agrus
578	x	vil	667	Plata	bif	749		<u>repens</u> F	836		alb	923		cam	1010	Helia	ic
579	Menya	tri	668		chl	750		ace	837		ang	924		dub	1011	Hel'	ic
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	Anth.	tin
581	Milliu	eff	670		com	752	Rapha	rap	839		rosea	926		hyb	1013	Oenot	str
582	Mimul	agg	671		nemor	753	Resed	lut	840		tel	927		medium	1014	Galii	ic
583	Moehr	tri	672		<u>pra</u> O	754		luteola	841	Senpe	tec	928		mic	1015	Galii	ic
584	Molin	cae	673		pra	755	Reyno	jap	842	Senec	aqu	929		pra	1016	Bromu	ic
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	spi
586		per	675		tri	757	Rhamn	cat	844		jac	931	Trigl	mar	1018	Anthr	cau
587		sib	676	Polyg	ser	758	Rhin	*min	845		syl	932		pal	1019	Chara	ic
588	Mysel	mur	677		vul	759	Rhodo	pon	846		vis	933	Tripl	ino	1020	Stell	ic
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vul	934		mar	1021	Hotto	ic
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	lar
591		lax	680		are	762		nig	849	vul f	lig	936	Trit x	cro	1023	Anchu	off
592		ram	681		*avi	763		rub	850	vul f	vul	937	Troll	eur	1024	Calli	ic
593		<u>scorp</u> F	682		avi	764		san	851	Serra	tin	938	Tsuga	het	1025	Calli	ic
594		sec	683		bis	765		uva	852	Sesle	alb	939	Tussi	far	1026	Isati	ic
595		syl	684		<u>hydro</u> F	766	Rorip	amp	853	Shera	arv	940	Typha	ang	1027	Atrip	sab
596	Myoso	aqu	685		lap	767		pal	854	Silau	sil	941		lat	1028	Rumex	pal
597	Myric	gal	686		minu	768		syl	855	Silen	alba	942	Ulex	eur	1029	Bromu	ic
598	Myrio	alt	687		oxy	769	Rosa	agg	856		<u>dio</u>	943		gal	1030	Ulmus	ic
599		spi	688		<u>per</u> O	770		arv	857		mar	944	Ulmus	gla	1031	Fontin	agg
600	Myrrh	odo	689		poly	771		<u>can</u> F	858		vul	945		pro	1032	Calam	syl
601	Narci	pse	690	Popul	alb	772		pim	859	Silyb	mar	946	Umbil	rup	1033	Azo	filic
602	Nardu	str	691		<u>x canad</u> O	773		*rub	860	Sinap	alb	947	<u>Urtic</u> <u>dio</u> A		1034	Potam	ic
603	Narth	oss	692		<u>x canes</u>	774		rugosa	861		arv	948		ure			
604	Nastu	mic	693		tre	775		*com	862	Sison	amo	949	Utric	aus			
605		*off				776	Rubus	cae	863	Sisym	off	950		min			
606		off				777		cham	864		ori	951		vul			
607		o x m				778		<u>ITU</u> F	865	Sium	lat	952	Vacci	myr			
608	Neott	nid				779		ida	866	<u>Solan</u> <u>dul</u> F		953		oxy			
609	Nepet	cat				780		sax	867		<u>nig</u> F	954		vit			
610	<u>Alpha</u> <u>luc</u> F																
611	Nymph	alb															

Physical and Habitat Data

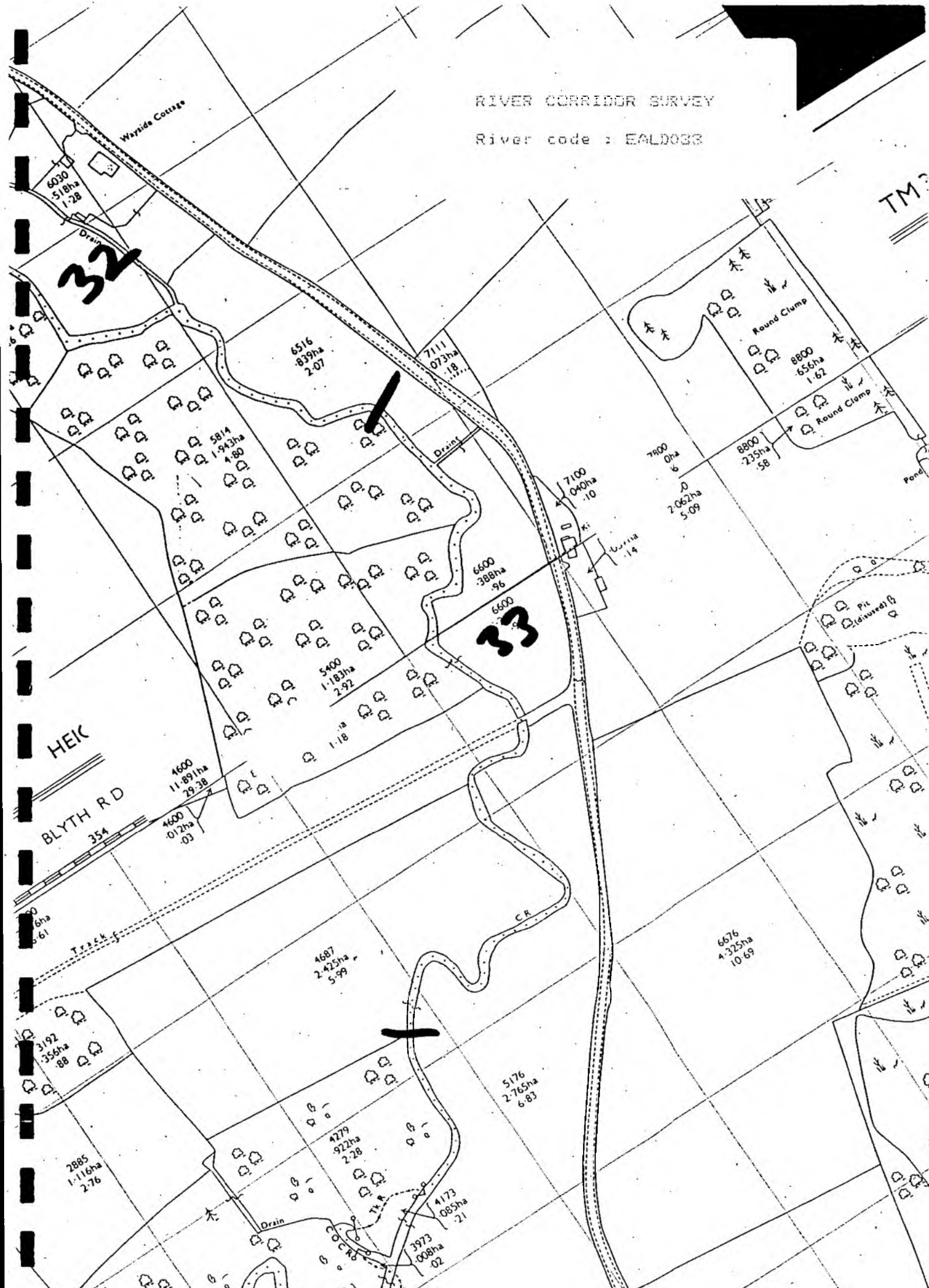
River Section No: EALD 33

Date: 22/4/94

	Feature	Section Data	Input
1	Riffles		0
2	Pools		0
3	Cliffs		0
4	Berms		0
5	Meanders		3
6	Riparian Strip Left Bank - % Length	0 %	1
7	Riparian Strip Right Bank - % Length	0 %	1
8	Trapezoidal Channel	(Y/N)	-/
9	Land Use - Left Bank	A.G.W.S.H.I.L.SG (IG.RG)	IG
10	Land Use - Right Bank	A.G.W.S.H.I.L.SG (IG.RG)	IG
11	Trees - Dense	L/R	2
12	Trees - Scattered	(L/R)	1
13	Scrub - Dense	L/R	1
14	Scrub - Scattered	L/R	1
15	Emergent Fringe - Left Bank % Length	15 %	4
	Emergent Fringe - Right Bank % Length	15 %	

RIVER CORRIDOR SURVEY

River code : EALD033



Section Code: EAW 03



Photograph Number: \

Ecosurveys Ltd

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River ALDE
Section EAIDE 034
Auditor P. COLLINS

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Good - reasonably well recorded

Flow and current features

Poor - only given in description

Substrate and physical features

Poor - only given in description - riffles omitted

MARGINAL ZONE

Plant communities

Good - limited communities are reasonably recorded.

Substrate and Physical features

Poor - wide shelf + poached + eroded area poorly recorded.

BANK ZONE

Trees

Poor - right bank compressed will trees mapped as continuous when spaced out

Other plant communities

Good -

Physical features

Poor - erosion cliffs omitted.

ADJACENT LAND USE

Land use

Poor/Adequate - ditch omitted. - RB habitat not identified as critical.

Habitat types

Poor - no species given for adjacent ss/mg. or ds/mg

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



Good.

4. SUMMARY DESCRIPTION

Conditions



Typical features

Poor - very short with no mention of morphological features.

Marginal Vegetation LB & RB

Poor/Adequate - doesn't differentiate between banks nor state that emergent vegetation only really occurs downstream.

Banks LB & RB

Poor - doesn't emphasise poached area or Pecan plantation to LB - RB is more open than described.

Adjacent landuse LB & RB

Adequate - no species given for critical habitat to RB.

Fauna

Good - none recorded.

Recreation

Good - none recorded.

Existing Management

Poor - none recorded.

Threats

Good - none recorded.

Suggested habitat improvement

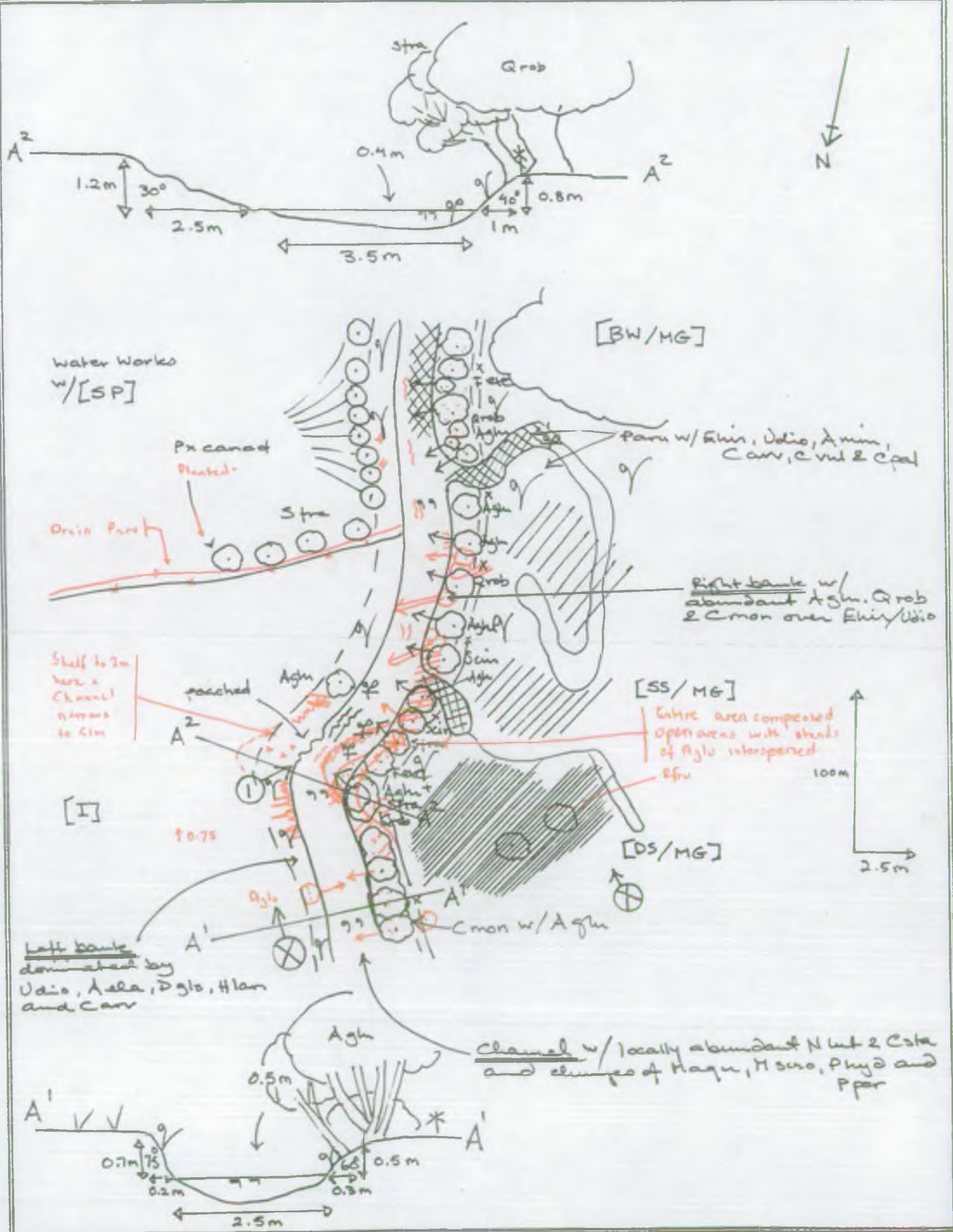
Poor - none recorded.

6. GENERAL NOTES AND ASSESSMENT

Poor survey with distorted RB and important features omitted including riffles, erosion cliffs, shelves and some trees + collapsed trees.

$$\frac{26}{51} = 51\%$$

River Name: <i>River Alde.</i>	Section Code: <i>EALD 034</i>	Grid Refs: <i>TM 3548 6162</i> <i>TM 3531 6157</i>	Survey Date: <i>22/9-94</i>	Surveyor: <i>Claire Dines</i>
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DATE: 22 September 1994

CODE: EALD 034

Ecosurveys Ltd

CONDITIONS

Sunny. Surveyed from both banks. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- | | | |
|-----|--------------|--|
| i | Broad nature | A meandering section with moderate flow. - riffles, pools + shelves |
| ii | Dimensions | 3.5m wide and 0.5m+ deep. |
| iii | Substrate | Silt and mud. |
| iv | Bank type | Both banks are moderate to steep banks, 1.5m high with 30°-75° slopes. - <i>Spartina</i> |

LAND USE

- | | |
|----|--|
| LS | Improved grassland, water works and rough grassland. |
| RS | Dense scrub and marsh and broadleaved woodland.
- details of marsh? |

BANK
VEGETATION

- | | |
|----|--|
| LB | Dominated by <i>Urtica dioica</i> and grasses. |
| RB | Supports abundant <i>Alnus glutinosa</i> , <i>Quercus robur</i> and <i>Crataegus monogyna</i> with occasional <i>Salix fragilis</i> and <i>Fraxinus excelsior</i> over <i>Urtica dioica</i> and <i>Epilobium hirsutum</i> . <i>Corylus</i> + <i>Salix</i> spp. |

CHANNEL
VEGETATION

Locally abundant *Nuphar lutea* and *Callitriche stagnalis* with clumps of *Mentha aquatica*, *Myosotis scorpioides*, *Petasites hybridus* and *Polygonum persicaria* with stands of *Phalaris arundinacea* and *Epilobium hirsutum*.

FEATURES OF
INTEREST

Excellent marsh with scrub and scattered trees.
Abundant insect and bird life.

THREATS

None.

FAUNA

None.

NUMBER OF SPECIES
RECORDED

64.

SECTION CODE

EALD 034

DATES SURVEYED

22/9-94

SURVEYORS NAME

Asple	adi	87	Anmop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
3	mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
4	rut	89	Anaga	arv	175	Calys	pul	262	Circ	x int	349		tet	438	Helia	nam
	tri	90		ten	176		scp	263		lut	350	Erige	ace	439	Helle	foe
	tri qua	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
8	vir	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		spn
9	fil	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
10	spi	95	Anten	dio	181		rapunculo	268		hel	355		vag	444	Hiera	agg
11	Botry	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
12	Ceter	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
13	Crypt	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	rha
14	Cysto	99	Anthr	syl	185	Carda	ama	272	Clinu	vul	359	Erysi	che	448	Hippo	vul
15	Dipha	100	Anthy	vul	186		fle	273	Cochl	ang	360	Euony	eur	449	Holcu	lan
16	Dryop	101	Aphan	arv	187		hir	274		dan	361	Eupat	can	450		mol
17		102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	peo
18	dil	103		mic	189		pra	276		off	363		exi	452	Horde	mur
19	fil	104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
20	ore	105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
21	arv	106		nod	192		nut	279	Coniu	mac	366		peplus	455	Hyaci	non
22	flu	107	Aguil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
23	hye	108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
24	palust	109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
25	syl	110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
26	tel	111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
27	var	112		min	198		cur	285		squ	372		*ovina	461		hum
28	Gymno	113		min	199		dem	286	Coryd	cla	373		pra	462		mac
29	per	114	Arena	*ser	200		dia	287		lut	374		*rubra	463		mon
30	Wil	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
31	Isoet	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
32	Lycop	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
33	Ophio	118	Arrhe	ela	204		ech	291	Crata	mon	378	Filip	ulm	467	Hypoc	rad
34	Oreop	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	aqu
35	Osmun	120		mar	206		ext	293	Crepi	bie	380	Foeni	vul	469	Impat	gla
36	Phego	121		vul	207		flacca	294		cap	381	Fraga	ves	470		nol
37	Phyll	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
38	Polyp	123	Asper	cyn	209		hos	296		ves	383	Fraxi	exc	472	Inula	con
39		124	Ast*nov	b	210		lae	297	Crypt	jap	384	Fumar	mur	473	Iris	foe
40		125		tri	211		las	298	Cymba	mur	385		off	474		pse
41	Polys	126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
42		127		gly	213	mur	lag	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
43		128	Atrip	gla	214		nig	301	Cytis	sco	388		spe	477	Junc	acuti
44		129		lac	215		otr	302	Dacty	glo	389		*tet	478		art
45		130		lit	216		ova	303	Dacty	fuc	390		tet	479		*buf
46		131		pat	217		pal	304		inc	391	Galin	cil	480		buf
47		132		pro	218		panicea	305		mac	392		par	481		*bul
48	Acer	133	Atrop	bel	219		panicula	306		pra	393	Galiu	apa	482		bul
49		134	Avena	fat	220		pen	307		pur	394		crd	483		conclo
50		135	Avenu	pra	221		pi	308	Danth	dec	395		elo	484		eff
51		136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
52		137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
53		138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		koc
54		139	Barba	int	225		rip	312		fle	399		*pal	488		mar
55		140		ver	226		rostra	313	Desma	mar	400		pal	489		squ
56		141		vul	227		ser	314		rig	401		saxat	490		subnod
57		142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
58		143	Berbe	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
59		144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	ela
60		145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
61		146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	agg
62		147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
63		148	Biden	cer	234	Catab	agu	321	Draba	inc	408		cam	497	Lamia	gal
64		149		tri	235	Centa	mon	322	Drose	int	409	Geran	col	498	Lamli	alb
65		150	Black	per	236		nig	323		rot	410		dis	499		amp
66		151	Blysm	com	237		sca	324	Echlu	vul	411		end	500		hyb
67		152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
68		153		syl	239		pul	326		mul	413		molle	502		pur
69		154	Brass	nap	240	Centr	rub	327		palust	414		pha	503	Lapsa	com
70		155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
71		156		rap	242		dif	329		uni	416		pus	505		x
72		157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		kae
73		158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	squ
74		159		ere	245		sem	332		nut	419		san	508	Lathy	mon
75		160		hor	246		tom	333	Elymu	can	420		syl	509		pra
76		161		ram	247	Chaen	min	334		far	421	Geum	x int	510		syl
77		162		ste	248	Chaer	tem	335		pyc	422		riv	511	Lemna	gib
78		163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		minor
79		164	Buddl	dav	250		ang	337	Empet	nig	424	Glauc	fla	513		pol
80		165	Butom	umb	251	Cheli	naj	338	Epilo	bru	425	Glaux	mar	514		tri
81		166	Cakil	mar	252		alb	339		cil	426	Glech	hed	515	Leont	aut
82		167	Cala	can	253		bon	340		hir	427	Glyce	dec	516		hi:
83		168		epi	254	Chene	mur	341		montan	428		flu	517		ta:
84		169	Calli	agg	255		pol	342		obs	429		max	518	Lepid	ca:
85		170		han	256		rub	343		pal	430		x ped	519		he:
86		171		obt	257	Chrys	seg	344		par	431		pli	520		ru:
		172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	vu
					259		opp	346		tet	433		uli	522	Leymu	ar
											434	Groen	den			
											435	Gymna	con			

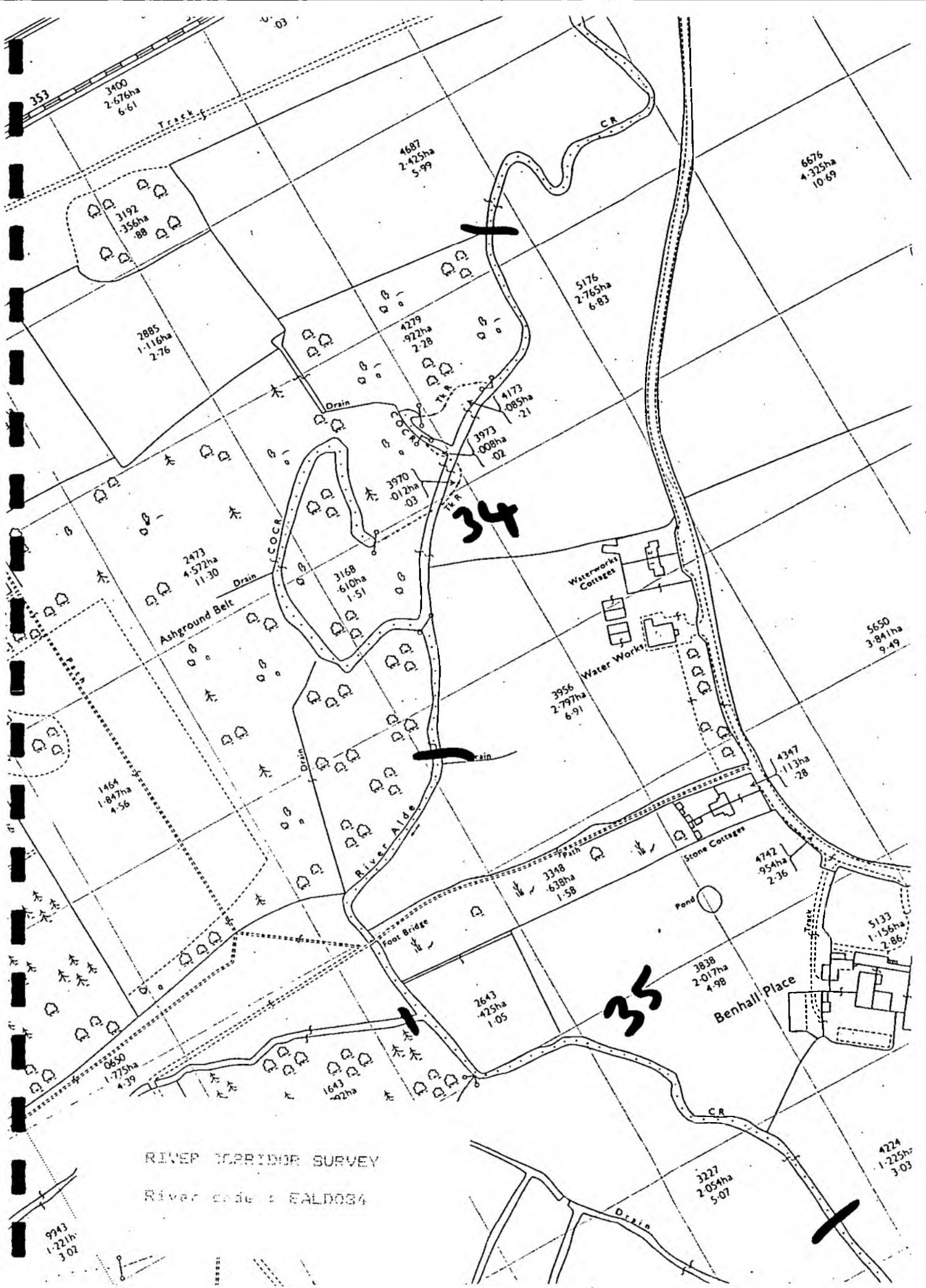
523	Ligus	ova	612	Odont	ver	694	Potam	alp	781	Rumex	*ace*	868	Solid	can	955	Valer	off
524		vul	613	Oenan	acu	695		ber	782		ace	869		gig	956		off
525	Lilliu	mar	614		cro	696		crl	783		acetosa	870		vir	957	Valer	loc
526	Limon	vul	615		fis	697		gra	784		con	871	Sonch	arv	958	Verba	g
527	Linar	pur	616		lac	698		luc	785		crispus	872		asp	959		g
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ole	960	Verbe	off
529		vul	618		ery	700		obt	787		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	788		obt	875		auc	962		ana
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		ana
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	anq	964		ana
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		am	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	879		ere	966		chamae
535	Loliu	mul	624	Orchi	mas	706		ans	793		ape	880		min	967		g
536		per	625		mor	707		arg	794		mar	881	Spart	ang	968		g
537	Lonic	per	626	Origa	vul	708		erecta	795		nod	882	Sperg	arv	969	hed	g
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mar	970	hed	luc
539		uli	628	Ornit	per	710		rep	797	Sagit	sag	884		med	971		mon
540	Lunar	ann	629	Oxali	ace	711		ste	798	Salic	agg	885		rub	972		g
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	Salix	alb	886	Spira	agg	973		per
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		g
543		mul	632		rho	714		vul	801		cap	888		x amb	975		scu
544		pil	633		som	715		vu x ve	802		ole	889		off	976		set
545		syl	634	Parap	str	716	Prune	vul	803		ffa	890		pal	977	Vibur	g
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		syl	978		g
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	als	979	Vicia	tra
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hir
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		g
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri	895		*med	982	sat	g
551		num	640		syl	722		spl	809		vim	896		med	983	sat	g
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	kai	897		neg	984		sep
553		vul	642	Betas	alb	724	Pucci	dis	811	Sambu	ebu	898		nem	985		syl
554	Lythr	por	643		fra	725		mar	812		rig	899	Suaed	mar	986		g
555		sal	644		hyb	726	Pulic	dys	813	Samol	val	900	Succi	pra	987	Vinca	g
556	Mahon	acu	645	Phala	aru	727		off	814	Sangu	min	901	Symph	riv	988		g
557	Malus	syl	646		can	728		min	815		off	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903		x upl	990		can
559		neg	648		pra	730	Querc	cer	817	Sapon	off	904	Syrin	vul	991		g
560		syl	649		ber	731		ile	818	Saxif	gra	905	Tamus	com	992		g
561	Marru	vul	650		pra	732		pet	819		hyp	906	Tanax	par	993		odorat
562	Matri	mat	651	Phrag	aus	733		rob	820		ste	907		vul	994		pal
563		rec	652	Picea	abi	734	Ranun	acr	821		tri	908	Tarax	agg	995		g
564	Mecon	cam	653		sit	735		*agu	822	spa x	umb	909	Taxus	bac	996		g
565	Medic	ara	654	Picri	echo	736		agu	823	Scabi	col	910	Teu	scoro	997	tri	g
566		lup	655		hie	737		aur	824	Schoe	lac	911	Thali	fla	998	Viscu	arb
567	sat	sat	656	Pimpi	maj	738		bulbo	825		tab	912		min	999	Vulpi	bro
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		g
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pli	1001	Wahle	g
570		uni	659	Pinus	con	741		bul	828		syl	915	Thymu	pra	1002	Zanni	g
571	Melil	alb	660		nig	742		fic	829	Scler	ann	916	Tilia	cor	1003	Popul	nig
572		alt	661		syl	743		fla	830	Scrop	aur	917		x vul	1004	Tilia	pla
573		off	662	Plant	cor	744		hed	831		n. sd	918	Toril	jap	1005	Cerat	g
574	menth	agu	663		lan	745		lingua	832		umb	919		nod	1006	Amara	g
575		arv	664		na	746		omi	833	Scute	gal	920	Trago	pra	1007	Salix	g
576	x	pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	flu
577	x	ver	666		med	748		pen	835	Sedum	acr	922	Trifo	arv	1009	Poa	angus
578	x	vil	667	Plata	bif	749		repens	836		alb	923		cam	1010	Helia	g
579	Menya	tri	668		chl	750		sce	837		ang	924		dub	1011	Helic	g
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	Anth	lin
581	Miliu	eff	670		com	752	Rapha	rap	839		rosea	926		hyb	1013	Ocnor	str
582	Mimul	agg	671		nemor	753	Resed	lut	840		tel	927		medium	1014	Galiu	spu
583	Moehr	tri	672		pra	754		luteola	841	Senpe	tec	928		mic	1015	Galiu	g
584	Molin	cae	673		pra	755	Reyno	jap	842	Senec	agu	929		pra	1016	Bromu	g
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	spi
586		per	675		tri	757	Rham	cat	844		jac	931	Trigl	mar	1018	Anthr	cau
587		sib	676	Polyg	ser	758	Rhin	*min	845		agu	932		pal	1019	Chara	agg
588	Myrel	mur	677		vul	759	Rhodo	pon	846		syl	933	Tripl	ino	1020	Stell	g
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vis	934		mar	1021	Hotto	g
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	tan
591		lax	680		are	762		nig	849	vul f	lig	936	Trit x	cro	1023	Anchu	off
592		ram	681		*avi	763		rub	850	vul f	vul	937	Troll	eur	1024	Calli	g
593		scorp	682		avi	764		san	851	Serra	tin	938	Tsuga	het	1025	Calli	g
594		sec	683		bis	765		uva	852	Sesle	alb	939	Tussi	far	1026	Isati	g
595		syl	684		hydro	766	Rorip	amp	853	Shera	arv	940	Typha	ang	1027	Atrip	sat
596	Myoso	agu	685		lap	767		pal	854	Silau	sil	941		lat	1028	Rumex	pal
597	Myric	gal	686		minus	768		syl	855	Silen	alba	942	Ulex	eur	1029	Bromu	g
598	Myrio	alt	687		oxy	769	Rosa	agg	856		dio	943		gal	1030	Ulmus	g
599		spi	688		per	770		arv	857		mar	944	Ulmus	gla	1031	Fontin	g
600	Myrrh	odo	689		poly	771		*can	858		vul	945		pro	1032	Calam	sy
601	Narci	pse	690	Popul	alb	772		pim	859	Silyb	mar	946	Umbil	rup	1033	Azo	filic
602	Nardu	str	691		x canad	773		*rub	860	Sinap	alb	947	Urtic	dio	1034	Potam	g
603	Nardu	oss	692		x canes	774		rugosa	861		arv	948		ure			
604	Nastu	mic	693		tre	775		*com	862	Sison	amo	949	Utric	aus			
605		*off				776	Rubus	cae	863	Sisym	off	950		min			
606		off				777		cham	864		ori	951		vul			
607		x m				778		*fru	865	Sium	lat	952	Vacci	myr			
608	Neott	nid				779		ida	866	Solan	dul	953		oxy			
609	Neot	cat				780		sax	867		nig	954		vit			
610	Nupha	luc															
611	Nymph	alb															

Physical and Habitat Data

River Section No: EALD e:34

Date: 22/9/94

	Feature	Section Data	Input
1	Riffles		1
2	Pools		0
3	Cliffs		0
4	Berms		0
5	Meanders		0
6	Riparian Strip Left Bank - % Length	0%	10
7	Riparian Strip Right Bank - % Length	0%	10
8	Trapezoidal Channel	(Y/N)	Y
9	Land Use - Left Bank	A.G.W.S.H(I.L.SG.IG)RG	IC
10	Land Use - Right Bank	A.G(W)S(H.I.L.SG.IG)RG	RG
11	Trees - Dense	L(R)	R ?
12	Trees - Scattered	(L/R)	L
13	Scrub - Dense	L(R)	R ?
14	Scrub - Scattered	L/R	D
15	Emergent Fringe - Left Bank % Length	5%	Y
	Emergent Fringe - Right Bank % Length	20%	



Section Code: EAW 034

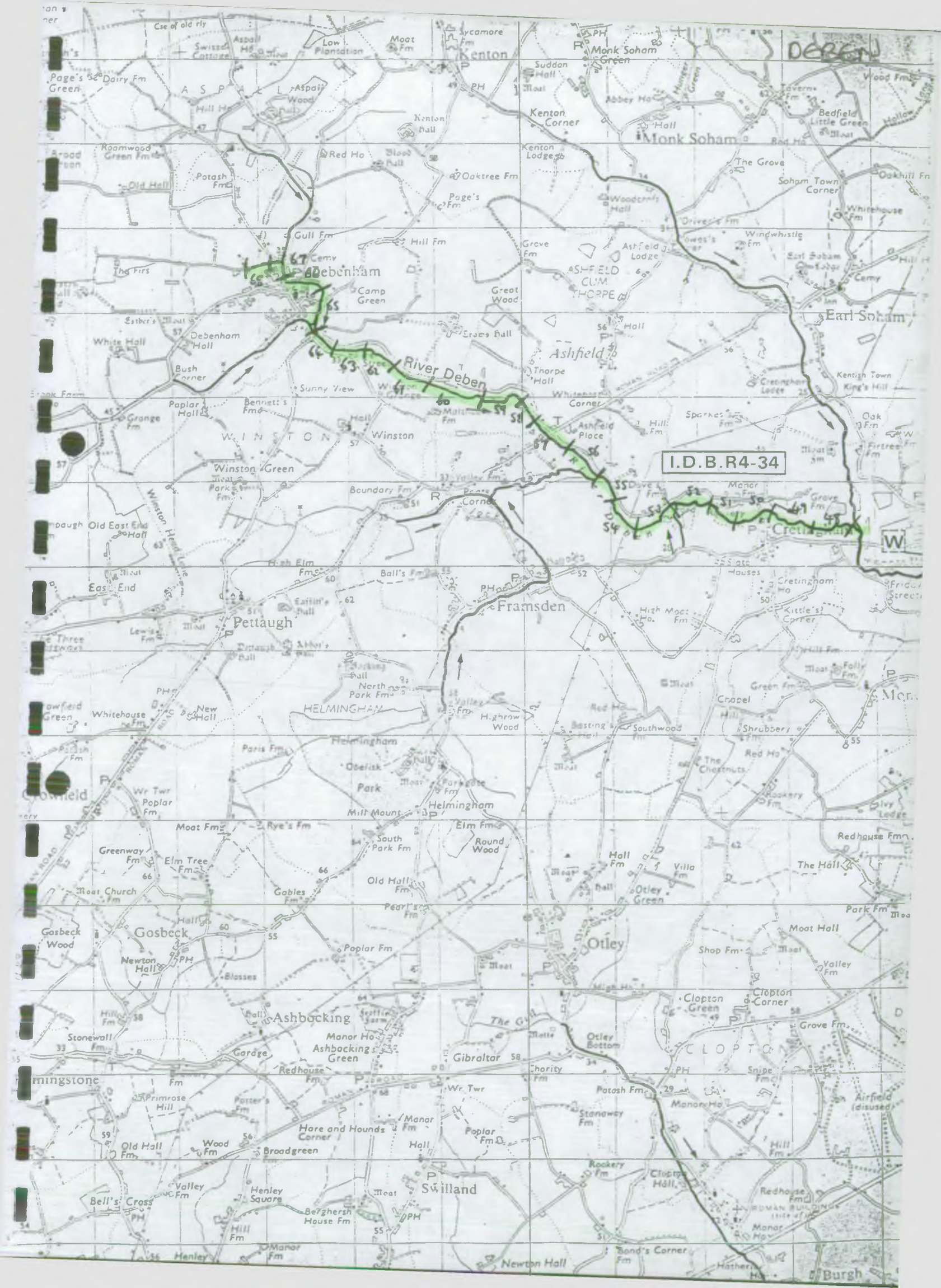


Photograph Number: \

Ecosurveys Ltd







RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River DEBEN
Section E DEB OSS
Auditor P. COLLINS

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒ - too narrow.
				Length	☒ - too long.
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities -

Good - The limited communities have been well recorded, - but the channel is drawn over wide

Flow and current features

Poor - only recorded on description

Substrate and physical features

Poor - only recorded on description - the channel is drawn over wide.

MARGINAL ZONE

Plant communities

Good - well recorded sparse communities

Substrate and Physical features

Adequate - small bar d/s omitted.

BANK ZONE

Trees

Poor - a number of important trees have been omitted. Large alders are not recorded
with notes in the channel

Other plant communities

Adequate - the LB community is not appraised with species information

Physical features

Good - few features to record.

ADJACENT LAND USE

Land use

Good - but hedgerow left off to RB

Habitat types

Adequate no species given for SI9

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



Poor - Bank height too high. - no bottom shown. - banks drawn disproportionately large compared to channel.

4. SUMMARY DESCRIPTION

Conditions



Typical features

Poor - very short - no description of in channel morphology.

Marginal Vegetation LB & RB

Good - little vegetation to record.

Banks LB & RB

Adequate - no mention of Paus to LB u/s.

Adjacent landuse LB & RB

Good - but no species given for semi-improved grass

Fauna

Good

Recreation

Poor - footpath not mentioned

Existing Management

Poor - none mentioned

Threats

Good -

Suggested habitat improvement

Poor - none mentioned.

6. GENERAL NOTES AND ASSESSMENT

A reasonably well surveyed section. A few features have been omitted and the channel drawn overwide. The channel was being reprofiled at the time of audit - so in-channel features could not be properly assessed.

$$\frac{29}{51} = 57\%$$

DATE: 4 August 1994

CODE: EDEB 055

Ecosurveys Ltd

CONDITIONS

Overcast and raining. Surveyed from right bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- | | | |
|-----|--------------|--|
| i | Broad nature | A meandering section with slow flow. |
| ii | Dimensions | 6m wide and 0.25-1.5m deep. |
| iii | Substrate | Silt, mud, gravel and cobbles. |
| iv | Bank type | Both banks are steep and earth, 4m high with 80° slopes. |

LAND USE

- | | |
|----|---|
| LS | Semi-improved grassland, road, broadleaved woodland and tall herbs. |
| RS | Planted broadleaved woodland and improved pasture. |

BANK
VEGETATION

- | | |
|----|---|
| LB | Frequently tree and scrub lined with <i>Alnus glutinosa</i> , <i>Fraxinus excelsior</i> , <i>Prunus spinosa</i> , <i>Ulmus glabra</i> and <i>Sambucus nigra</i> . Open areas are dominated by <i>Urtica dioica</i> , <i>Symphytum uplandicum</i> , <i>Epilobium hirsutum</i> , <i>Conium maculatum</i> and <i>Arrhenatherum elatius</i> . |
| RB | Dominated by <i>Urtica dioica</i> , <i>Symphytum uplandicum</i> , <i>Epilobium hirsutum</i> , <i>Conium maculatum</i> and <i>Arrhenatherum elatius</i> with scattered <i>Alnus glutinosa</i> , <i>Sambucus nigra</i> and <i>Salix alba</i> . |

CHANNEL
VEGETATION

Restricted to two small stands of *Phragmites australis* upstream on the right.

FEATURES OF
INTEREST

None.

THREATS

None.

FAUNA

Common blue damselfly.

NUMBER OF SPECIES
RECORDED

62.

SECTION CODE

EDE B OSS

DATES SURVEYED

4 8 94

SURVEYORS NAME

J. James

1	Asple	adi	87	Annap	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
2		mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
3		rut	89	Anaga	arv	175	Calys	pul	262	Circ	x int	349		tet	438	Helia	hum
4		tri	90		ten	176		sep	263		lut	350	Erige	ace	439	Helle	foe
5	tri	qua	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
6	tri	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
7		vir	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		sph
8	Athyr	fil	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
9	Blech	spi	95	Anten	dio	181	rapunculo		268		hel	355		vag	444	Hiera	agg
10	Botry	lun	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
11	Ceter	off	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
12	Crypt	cri	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	cha
13	Cysto	fra	99	Anthr	syl	185	Carda	ama	272	Clino	vul	359	Erysi	che	448	Hippu	vul
14	Dipha	alp	100	Anthy	vul	186		fle	273	Cochl	ang	360	Eucor	eur	449	Holcu	lan
15	Dryop	aff	101	Aphan	arv	187		hir	274		dan	361	Eupat	can	450		nol
16		car	102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	pep
17		dil	103		mic	189		pra	276		off	363		exi	452	Horde	mur
18		fil	104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
19		ore	105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
20	Equis	abv	106		nod	192		nut	279	Coniu	mac	366	peplus		455	Hyaci	non
21		flu	107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
22		hye	108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23		palust	109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
24		syl	110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
25		tel	111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
26		var	112		min	198		cur	285		squ	372		*ovina	461		hum
27	Gymno	dry	113		min	199		dem	286	Coryd	cla	373		pra	462		mac
28		sel	114	Arena	*ser	200		dia	287		lut	374		*rubra	463		mon
29		wil	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
30	Isoet	lac	116	Armer	mar	202		distan	289	Coton	mid	376	Filag	min	465		pul
31	Lycop	cla	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
32	Ophio	vul	118	Arrhe	ela	204		ech	291	Crata	mon	378	Ellip	ulm	467	Hypoc	rad
33	Oreop	lim	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	agu
34	Osmun	reg	120		mar	206		ext	293	Crepi	bie	380	Foeni	vul	469	Impat	gla
35	Phego	con	121		vul	207		flacca	294		cap	381	Praga	ves	470		nol
36	Phyll	sco	122	Arum	mac	208		nit	295		pal	382	Frang	aln	471		par
37	Polyp	agg	123	Asper	cyn	209		hos	296		ves	383	Fraxi	ext	472	Inula	con
38		cam	124	Ast*nov	b	210		lae	297	Crypt	jap	384	Fumic	mit	473	Iris	foe
39		int	125		tri	211		las	298	Cymba	mur	385		off	474		pse
40		vul	126	Astra	dan	212		lep	299	Cynos	off	386	Galan	niv	475	Isole	set
41	Polys	acu	127		gly	213	mur	lag	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42		set	128	Atrip	gla	214		nig	301	Cynis	aco	388		spe	477	Junc	acuti
43	Pteris	aru	129		lac	215		otr	302	Dacty	glo	389		*tet	478		art
44	Selag	sel	130		lit	216		ova	303	Dacty	tuc	390		*bul	479		*bul
45	Abies	alb	131		pat	217		pal	304		inc	391	Galun	cil	480		bul
46		gra	132		pro	218		panicea	305		mac	392		par	481		*bul
47		pro	133	Atrop	bel	219		panicula	306		pra	393	Galun	apa	482		bul
48	Cer	cam	134	Avena	fat	220		pen	307		pur	394		eru	483		conгло
49		pla	135	Avena	pra	221		pil	308	Danth	dec	395		elo	484		eff
50		pse	136		pub	222		pse	309	Daphn	lau	396		mol	485		ger
51	Achil	mil	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
52		pta	138	Barba	nig	224		rem	311	Desch	ces	398		odorat	487		koc
53	Acino	arv	139	Barba	int	225		rip	312		fle	399		*pal	488		mar
54	Aconi	nap	140		ver	226		rostra	313	Desma	mar	400		pal	489		squ
55		coru	141		vul	227		ser	314		rig	401		saxat	490		subnod
56		mos	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
57	Aegop	pod	143	Berber	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
58	Aescu	hip	144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	ela
59	Aethu	cyn	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
60	Agrim	eup	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	agg
61		pro	147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
62	Agros	*can	148	Biden	cer	234	Catab	agu	321	Draba	inc	408		cam	497	Lamia	gal
63		can	149		tri	235	Centa	mon	322	Drose	int	409	Geran	col	498	Lamiu	arb
64		cap	150	Black	per	236		nig	323		rot	410		dis	499		amp
65		gla	151	Blysm	com	237		sca	324	Echiu	vul	411		end	500		hyb
66		sto	152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
67		vin	153		syl	239		pul	326		mul	413		molle	502		pur
68	Aiza	car	154	Brass	nig	240	Centr	rub	327		palust	414		pha	503	Lappa	com
69		pra	155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
70	Ajuga	rep	156		rep	242		dif	329		uni	416		pus	505		x
71	Alcha	agg	157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		kae
72		fil	158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	agu
73		fil	159		ere	245		sem	332		nut	419		san	508	Lathy	mon
74		gla	160	hor	hor	246		com	333	Elymu	can	420		syl	509		pra
75		xan	161		ram	247	Chae	min	334		far	421	Geum	x int	510		syl
76	Alism	pla	162		ste	248	Chae	tem	335		pyc	422		riv	511	Lenna	gib
77	Alia	per	163	Bryon	dio	249	Chama	law	336		rep	423		urp	512		minor
78	Alitu	ole	164	Buddl	dav	250	Chame	ang	337	Empet	nig	424	Glauc	fla	513		pol
79		sco	165	Butom	umb	251	Cheli	alb	338	Epilo	bru	425	Glaux	mar	514		tri
80		urs	166	Cakil	mar	252	Chene	naj	339		cil	426	Glech	hed	515	Leont	aut
81		vth	167		can	253		bon	340		hib	427	Glyce	dec	516		his
82	Atrius	glu	168		epi	254	Chene	mur	341		montan	428		flu	517		tar
83	Alupe	seq	169	Calli	agg	255		pol	342		obs	429		max	518	Lepid	cam
84		gen	170		han	256		rub	343		pal	430		x ped	519		het
85		myo	171		obt	257	Chrys	seg	344		par	431		pli	520		rud
86		pra	172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	vul
						259		opp	346		tet	433		uli	522	Leymu	are
												434	Groen	den			
												435	Gymna	con			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	781	Rumex	*ace*	868	Solid	can	955	Valer	d
524		vul	613	Oenan	aqu	695		ber	782		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	783		acetosa	870		uir	957	Valer	loc
526	Limon	vul	615		fis	697		gra	784		con	871	Conch	asp	958	Verba	th
527	Linar	pur	616		lac	698		luc	785		crispus	872		ole	959		th
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ari	960	Verbe	o
529		vul	618		ery	700		obt	787		lon	874	Sorb		961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	788		obt	875		auc	962		ana
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		a
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	ang	964		b
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		eme	965		c
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	879		ere	966		chanae
535	Lolliu	mul	624	Orchi	mas	706		ans	793		ape	880		min	967		fil
536		per	625		mor	707		arg	794		mar	881	Spart	ang	968		h
537	Lonic	per	626	Origa	vul	708		erecta	795		nod	882	Sperg	arv	969	hed	h
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mari	970	hed	luc
539		uli	628	Ornit	per	710		rep	797	Sagit	sag	884		med	971		mon
540	Lunar	arn	629	Oxali	ace	711		ste	798	Salic	agg	885		rub	972		off
541	Lupin	arb	630	Papav	arg	712	Prima	far	799	Salix	alb	886	Spira	agg	973		pers
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		g
543		mul	632		rho	714		vul	801		cap	888		x amb	975		scu
544		pil	633		som	715		vu x ve	802		cin	889		off	976		ser
545		syl	634	Parap	str	716	Prune	vul	803		fra	890		pal	977	Vibur	lea
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		syl	978		o
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	als	979	Vicia	o
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hir
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		lat
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri	895		med	982	sat	g
551		num	640		syl	722		spi	809		vim	896		med	983	sat	g
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	kal	897		neg	984		g
553		vul	642	Petas	alb	724	Pucci	dis	811	Sambu	ebu	898		nem	985		syl
554	Lythr	por	643		fra	725		mar	812		nig	899	Suaed	mar	986		tet
555		sal	644		hyb	726	Pulic	dys	813	Samol	val	900	Succi	pra	987	Vinca	g
556	Mahon	aqu	645	Phala	aru	727	Pulmo	off	814	Sangu	min	901	Symph	riv	988		g
557	Malus	syl	646		can	728	Pyrol	min	815		off	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903		upl	990		can
559		neg	648		pra	730	Querc	cer	817	Sapon	off	904	Syrin	vul	991		g
560		syl	649		pra	731		ile	818	Saxif	gra	905	Tamus	com	992		g
561	Marru	vul	650		pra	732		pet	819		hyp	906	Tanac	par	993	odo	g
562	Matri	mat	651	Phrag	aus	733		rob	820		ste	907		vul	994		pal
563		rec	652	Ricea	abi	734	Ranun	aci	821		tri	908	Tarax	agg	995		rei
564	Mecon	cam	653		sit	735		*aqu	822	spa x	umb	909	Taxus	bac	996		g
565	Medic	ara	654	Picri	ech	736		aqu	823	Scabi	col	910	Teu	scoro	997	tri	g
566		lup	655		hie	737		aur	824	Schoe	lac	911	Thali	fla	998	Viscu	g
567	sat	sat	656	Pimpi	maj	738		bulbo	825		tab	912		min	999	Vulpf	bro
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		myu
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pli	1001	Wahle	g
570		uni	659	Pinus	con	741		fic bul	828		syl	915	Thymu	pra	1002	Zarni	g
571	Melil	alb	660		nig	742		fic fic	829	Scler	ann	916	Tilia	cor	1003	Popul	g
572		alt	661		syl	743		fla	830	Scrop	aur	917		x val	1004	Tilia	pla
573		off	662	Plant	cor	744		hed	831		nod	918		recil	1005	Cerat	dem
574	Menth	aqu	663		lan	745		lingua	832		umb	919		nod	1006	Amara	g
575		arv	664		ma	746		omi	833	Scute	gal	920	Trago	pra	1007	Salix	g
576	x	pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	g
577	x	ver	666		med	748		pen	835	Sedum	acr	922	Trifo	arv	1009	Poa	angus
578	x	vil	667	Plata	bif	749		repens	836		alb	923		cam	1010	Helia	g
579	Menya	tri	668		chl	750		sc	837		ang	924		dub	1011	Helia	g
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	Ant	g
581		erf	670		com	752	Rapha	rap	839		rosea	926		hyb	1013	Oen	str
582	Mimul	agg	671		nemor	753	Resed	lut	840		tel	927		medium	1014	Galiu	spu
583	Moehr	tri	672		*pra	754		luteola	841	Senec	tec	928		mic	1015	Galiu	g
584	Molin	cae	673		pra	755	Reyno	jap	842		aqu	929		pra	1016	Bromu	g
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	pi
586		per	675		tri	757	Rhamn	cat	844		jac	931	Trigl	mar	1018	Anthr	cau
587		sib	676	Polyg	ser	758	Rhin	*min	845		squ	932		pal	1019	Chara	agg
588	Mycel	mur	677		vul	759	Rhodo	pon	846		syl	933	Tripl	ino	1020	Stell	g
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vis	934		mar	1021	Hotto	g
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	g
591		lax	680		are	762		nig	849	vul f	lig	936	Trit x	cro	1023	Anchu	off
592		ram	681		avi	763		rub	850	vul f	vul	937	Troll	eur	1024	Calli	pla
593	scorp		682		bis	764		san	851	Serra	tin	938	Tuga	het	1025	Calli	g
594		sec	683		hydro	765	Rorip	amp	852	Sesle	alb	939	Tussi	far	1026	Isati	g
595		syl	684		lap	766		pal	853	Shera	arv	940	Typha	ang	1027	Atrip	g
596	Myoso	aqu	685		minus	767		syl	854	Silau	sil	941		lat	1028	Rumex	pal
597	Myric	gal	686		oxy	768	Rosa	agg	855	Silen	alb	942	Ulex	eur	1029	Bromu	leg
598	Myrio	alt	687		per	769		arv	856		dic	943		gal	1030	Ulmus	g
599		spi	688		poly	770		*can	857		mar	944	Ulmus	gla	1031	Pontin	g
600	Myrrh	odo	689	Popul	alb	771		pim	858		vul	945		pro	1032	Calam	syl
601	Narci	pse	690		x canad	772		*rub	859	Silyb	mar	946	Umbil	rup	1033	Azo	filic
602	Nardu	str	691		x canes	773		rugosa	860	Sinap	alb	947		ortic	1034	Potam	g
603	Narth	oss	692		tre	774		*com	861		arv	948		ure			
604	Nastu	mic	693			775	Rubus	cae	862	Sison	amo	949	Utric	aus			
605		*off				776		cham	863	Sisym	off	950		min			
606		off				777		*fru	864		ori	951		vul			
607		x m				778		ida	865	Sium	lat	952	Vacci	myr			
608	Neott	nid				779		sax	866	Solan	ful	953		oxy			
609	Nepet	cat				780			867		nig	954		vit			
610	Nupha	lut															
611	Nymph	alb															

Other Species:

Total Number species Recorded:

62

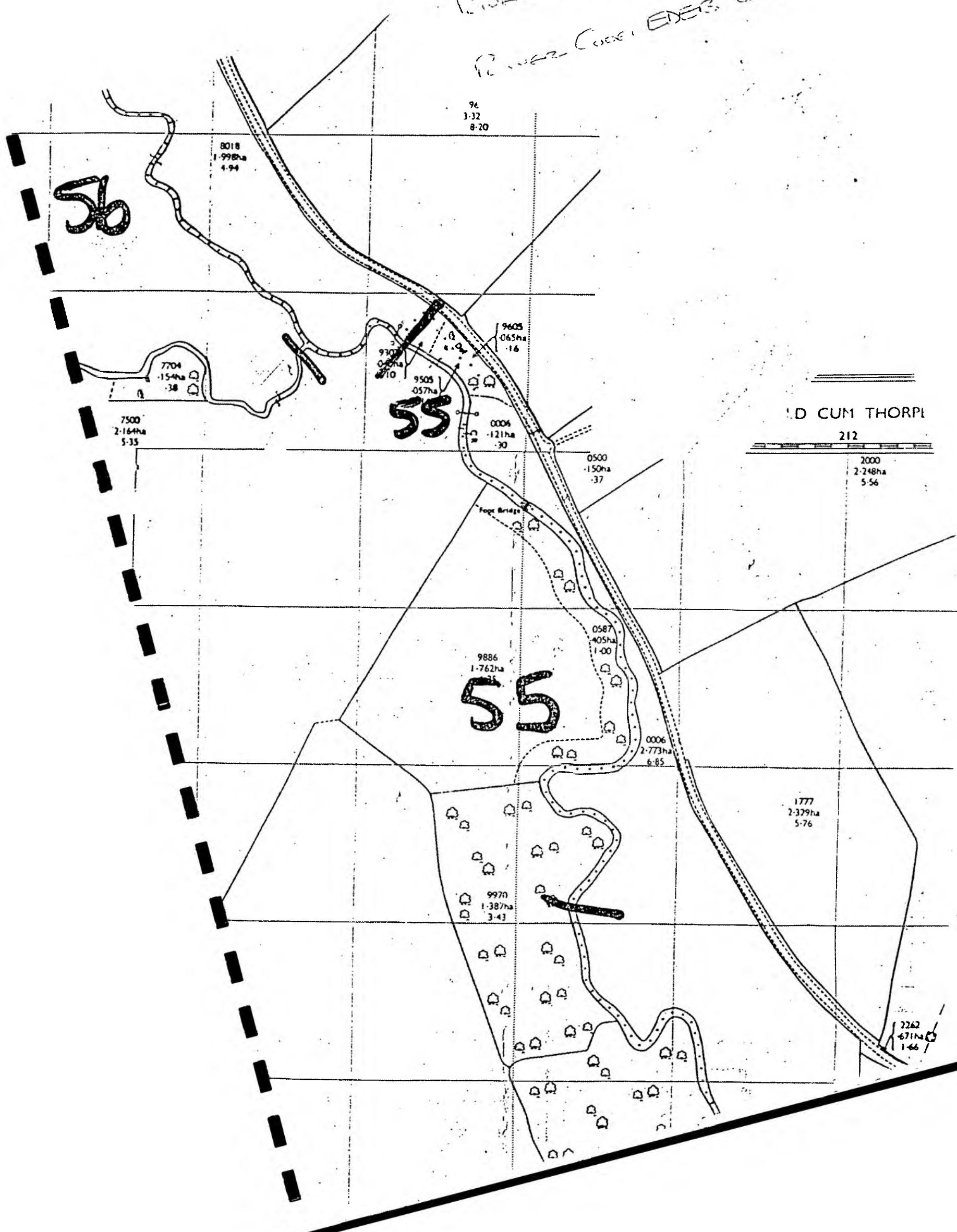
Physical and Habitat Data

River Section No: edeb .055

Date: 4-8-94

	Feature	Section Data	Input
1	Riffles		0
2	Pools		3
3	Cliffs		0
4	Berms		0
5	Meanders		1
6	Riparian Strip Left Bank - % Length	90%	D
7	Riparian Strip Right Bank - % Length	10%	A
8	Trapezoidal Channel	Y/N	Y
9	Land Use - Left Bank	A G W S H I L S G I G R G	G
10	Land Use - Right Bank	A G W S H I L S G I G R G	IG
11	Trees - Dense	D/R	L
12	Trees - Scattered	L/R	D
13	Scrub - Dense	L/R	D
14	Scrub - Scattered	L/R	U
15	Emergent Fringe - Left Bank % Length	0%	Y
	Emergent Fringe - Right Bank % Length	7%	

River Corridor Dunes
River Corridor EDEB 055



LD CUM THORPI

212

2000
2.248ha
5.56

Section Code: EDEB 055



Photograph Number: 1

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River DEBEN
 Section EDB 056
 Auditor P. COLLINS

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒ too narrow
				Length	☒ too long
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Good - The little vegetation present appears accurately recorded.

Flow and current features

Poor - only given in description

Substrate and physical features

Poor - only given in description - channel drawn across wide

MARGINAL ZONE

Plant communities

Good -

Substrate and Physical features

Adequate - only given in description.

BANK ZONE

Trees

Poor - several trees omitted or misplaced to left bank

Other plant communities

Poor - extensive area of Pnus on bank ignored. Trees located high on bank when actually at bank toe. Roots in channel not recorded.

Physical features

Adequate - fence to LB omitted, v/s meander poorly drawn.

ADJACENT LAND USE

Land use

Good/Adequate - no species given for SI

Habitat types

Adequate -

3. CROSS SECTIONS

Width of water filled channel



Depth of water



Water level relative to top of bank



Bank height



wrong

Flood bank width



N/A

width



height



N/A

slope



landuse



✓

Poor Bank height excessive - no channel bed given on x section.

4. SUMMARY DESCRIPTION

Conditions



Typical features

Poor - very short -

Marginal Vegetation LB & RB

Good

Banks LB & RB

Good

Adjacent landuse LB & RB

Adequate - no species given for SI

Fauna

Good

Recreation

Good N/A

Existing Management

Poor none given

Threats

Good

Suggested habitat improvement

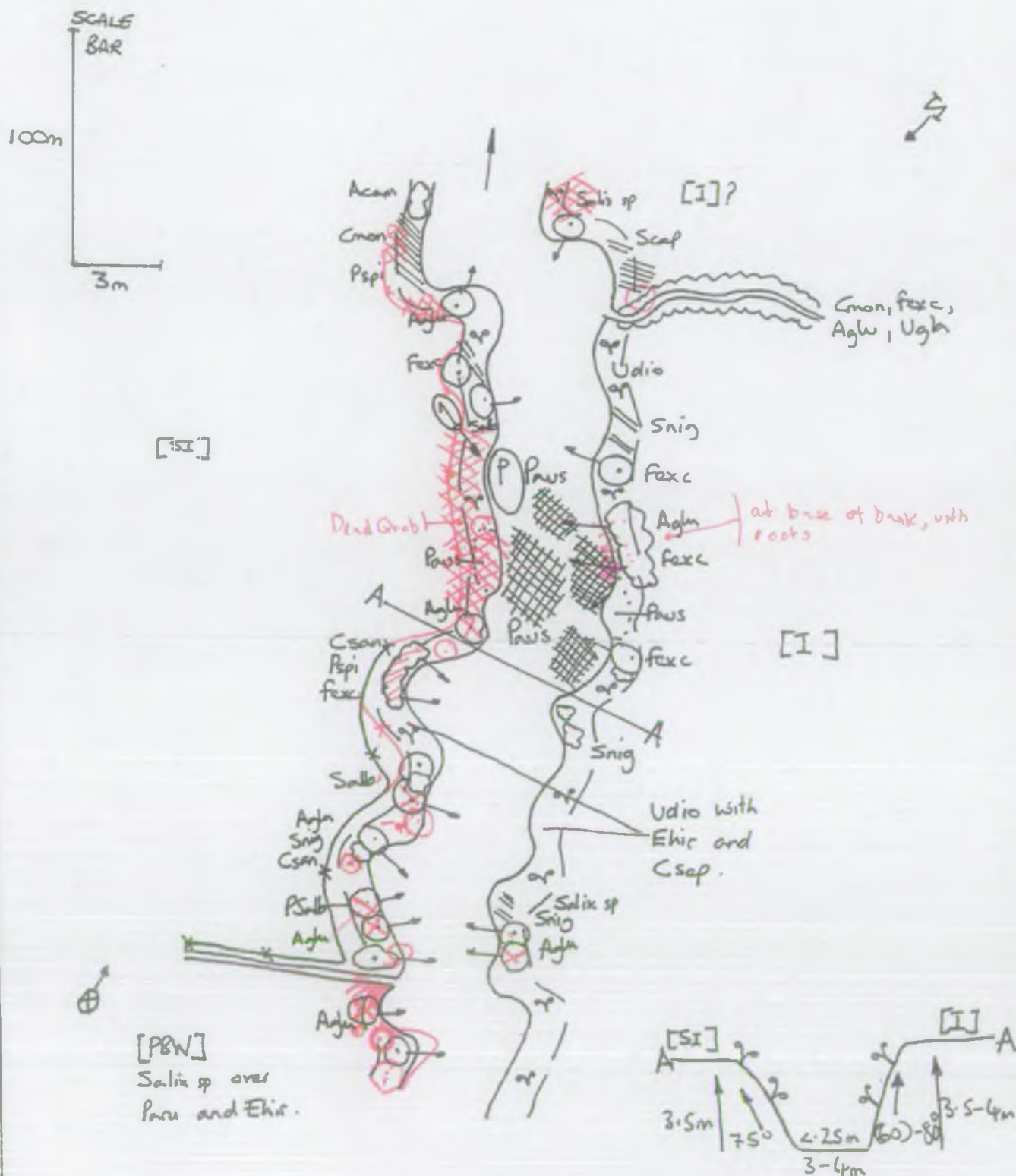
Poor - none given

6. GENERAL NOTES AND ASSESSMENT

Reasonably well surveyed but drawn over wide. Trees to the left bank are often misplaced or omitted and a large stand of Paus has been ignored.

$$\frac{29}{51} = 57\%$$

River Name:	Section Code:	Grid Refs:	Survey Date:	Surveyor:
DEBEN	EDEB 056	Tm 2093 6107 Tm 2065 6133	4.8.94	J. James



DATE: 4 August 1994

CODE: EDEB 056

Ecosurveys Ltd

CONDITIONS

Sunny and hot. Surveyed from left bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- i Broad nature A sinuous section with slow flow.
- ii Dimensions 3-4m wide and less than 0.25m deep.
- iii Substrate Silt, sand and mud.
- iv Bank type Both banks are steep and well vegetated earth, 3.5-4m high with 60°-80° slopes.

LAND USE

- LS Semi-improved pasture and planted broadleaved woodland.
- RS Improved pasture.

BANK
VEGETATION

Both banks are dominated by *Urtica dioica*, *Epilobium hirsutum* and *Calystegia sepium* with frequent *Alnus glutinosa*, *Fraxinus excelsior*, *Salix* sp and *Sambucus nigra*.

CHANNEL
VEGETATION

The channel has large stands of *Phragmites australis* in midsection.

FEATURES OF
INTEREST

None.

THREATS

None.

FAUNA

Large White and peacock butterflies. Marsh tit and green woodpecker.

NUMBER OF SPECIES
RECORDED

30.

SECTION CODE EDEB 056

DATES SURVEYED 4.8.74

SURVEYORS NAME

G Greico

J James

1	Asple	adi	87	Annop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
2		mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
3		rut	89	Anaga	arv	175	Calys	pul	262	Circ	x int	349		tet	438	Helia	rum
4		tri	90		ten	176		<u>sep</u>	263		lut	350	Erige	ace	439	Helle	foe
5	tri	qua	91	Anchu	arv	177		<u>sil</u>	264	Cirsi	aca	351		can	440		vir
6	tri	<u>tri</u>	92	Andro	pol	178		<u>sol</u>	265		arv	352	Erinu	alp	441	Herac	man
7		vir	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		sph
8	Athyr	fil	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
9	Blech	spi	95	Anten	dio	181	rapunculo		268		hel	355		vag	444	Hiera	agg
10	Botry	lun	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
11	Ceter	off	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
12	Crypt	cri	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	cha
13	Cysto	fra	99	Anthr	syl	185	Carda	ama	272	Clino	vul	359	Erysi	che	448	Hippo	vul
14	Dipha	alp	100	Anthy	vul	186		fle	273	Cochl	ang	360	<u>Eucy</u>	eur	449	<u>Holcu</u>	lan
15	Dryop	aff	101	Aphan	*arv	187		hir	274		dan	361	<u>Eupat</u>	can	450		mol
16		car	102		arv	188		imp	275		*off	362	<u>Eupho</u>	amy	451	Honke	pep
17		dil	103		mic	189		pra	276		off	363		exi	452	Horde	mur
18		fil	104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
19		ore	105		inu	191	<u>Cardu</u>	<u>aca</u>	278	Colch	aut	365		lat	454	<u>Humul</u>	<u>lup</u>
20	Equis	arv	106		nod	192		nut	279	Coniu	mac	366		peplus	455	Hyaci	non
21		flu	107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
22		hye	108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23	palust		109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
24		syl	110	Arcti	lap	196		bin	283	<u>Cornu</u>	<u>san</u>	370	Festu	aru	459		elo
25		tel	111		<u>min</u>	197		caryop	284	Coron	did	371		gig	460		hirsut
26		var	112	min	<u>min</u>	198		cur	285		squ	372		*ovina	461		hum
	Gymno	dry	113	min	<u>nem</u>	199		dem	286	Coryd	cla	373		pra	462		mac
	Huper	sel	114	Arena	*ser	200		dia	287		lut	374		*rubra	463		mon
29	Hymen	wil	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
30	Isoet	lac	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
31	Lycop	cla	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
32	Oreop	vul	118	<u>Arrhe</u>	<u>ela</u>	204		ech	291	<u>Crata</u>	<u>mon</u>	378	Filip	ulm	467	Hypoc	rad
33		lim	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	aqu
34	Osmun	reg	120		mar	206		ext	293	Crepi	bie	380	Poeni	vul	469	Impat	gla
35	Phego	con	121		vul	207		flacca	294		cap	381	Fraga	ves	470		nol
36	Phyll	sco	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
37	Polyp	agg	123	Asper	cyn	209		hos	296		ves	383	<u>Fraxi</u>	<u>exc</u>	472	Inula	con
38		cam	124	Ast*nov	b	210		lae	297	Crypt	jap	384	<u>Fumar</u>	mur	473	Iris	foe
39		int	125		tri	211		las	298	Cyma	mur	385		off	474		pse
40		vul	126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
41	Polys	acu	127		gly	213	mur	<u>lag</u>	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42		set	128	Atrip	gla	214		nig	301	Cytis	sco	388		spe	477	Junc	acuti
43	Pterid	acu	129		lac	215		otr	302	<u>Dacty</u>	<u>glo</u>	389		*tet	478		<u>act</u>
44	Selag	sel	130		lit	216		ova	303	<u>Dacty</u>	<u>fuc</u>	390		tet	479		*but
45	Abies	alb	131		pat	217		pal	304		inc	391	Galin	cil	480		buf
46		gra	132		pro	218		panicea	305		mac	392		par	481		*bul
47		pro	133	Atrop	bel	219		panicula	306		pra	393	<u>Gallu</u>	<u>apa</u>	482		bul
48	Acer	cam	134	Avena	fat	220		pen	307		pur	394		eru	483		conгло
49		pis	135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		eff
50		pse	136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
51	Achil	mil	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
52		pta	138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		koc
53	Acino	arv	139	Barba	int	225		rip	312		fle	399		*pal	488		mar
	Aconi	nap	140		ver	226		rostra	313	Desma	mar	400		pal	489		sq
	Acoru	cal	141		vul	227		ser	314		rig	401		saxat	490		subnoc
56	Adoxa	mos	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ter
57	Aegop	pod	143	Berbe	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	cor
58	Aescu	hip	144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	eli
59	Aethu	cyn	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	ar
60	Agrim	eup	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	ag
61		pro	147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	an
62	Agros	*can	148	Biden	cer	234	Catab	acu	321	Draba	inc	408		cam	497	Lamia	ga
63		can	149		tri	235	Centa	mon	322	Drose	int	409	Geran	col	498	Lamiu	ali
64		cap	150	Black	per	236		nig	323		rot	410		dis	499		am
65		gig	151	Blysm	com	237		sca	324	Echlu	vul	411		end	500		hy
66		<u>sto</u>	152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		ma
67		vin	153		syl	239		pul	326		mil	413		molle	502		pu
68	Aira	car	154	Brass	nap	240	Centr	rub	327		palust	414		pha	503	Lapsa	cc
69		pra	155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	de
70	Ajuga	rep	156		rap	242		dif	329		uni	416		pus	505		x
71	Alche	agg	157	Briza	med	243		<u>font</u>	330	Eleog	flu	417		pyr	506		ka
72		fil	158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	sc
73		fil	159		ere	245		sem	332		nut	419		san	508	Lathy	mc
74		<u>gla</u>	160	hor	<u>hor</u>	246		tom	333	Elymu	can	420		syl	509		pr
75		xan	161		<u>ram</u>	247	Chaen	min	334		far	421	Geum	x int	510		s
76	Alism	pla	162		ste	248	Chaer	tem	335		pyc	422		riv	511	Lemna	g
77	Allia	pet	163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		mir
78	Alliu	ole	164	Buddl	dav	250	Chame	ang	337	Erpet	nig	424	Glauc	fla	513		p
79		sco	165	Butom	u	251	Chelli	maj	338	Epilo	bru	425	Glaux	mar	514		t
80		urs	166	Cakil	m	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	a
81		vin	167	Cala	e	253		bon	340		<u>hir</u>	427	Glyce	dec	516		h
82	<u>Alnus</u>	<u>glu</u>	168		e	254	Chene	mur	341		montan	428		flu	517		t
83	<u>Alopa</u>	<u>seq</u>	169	Calli		255		pol	342		obs	429		max	518	Lepid	c
84		gen	170			256		rub	343		pal	430		x ped	519		h
85		myo	171			257	Chrys	seq	344		par	431		pli	520		r
86		pra	172			258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	v
						259		opp	346		tet	433		uli	522	Leymu	a
												434	Groen	den			
												435	Gymna	con			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	781	Rumex	*ace*	868	Solid	can	955	Valer	off
524		vul	613	Oenan	aqu	695		ber	782		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	783		acetosa	870		vitr	957	Valer	loc
526	Limon	vul	615		fis	697		gra	784		con	871	Sonch	arv	958	Verba	th
527	Linar	pur	616		lac	698		luc	785		crispus	872		asp	959		th
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ole	960	Verbe	off
529		vul	618		ery	700		obt	787		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	788		ohr	875		auc	962		ana
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		ana
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	ang	964		ana
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		eme	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	879		ere	966		chamae
535	Loliu	mul	624	Orchi	mas	706		ans	793		ape	880		min	967		ana
536		per	625		mor	707		arg	794		mar	881	Spart	ang	968		ana
537	Lonic	per	626	Origa	vul	708		erecta	795		nod	882	Sperg	arv	969	hed	ana
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mari	970	hed	luc
539		uli	628	Ornit	per	710		rep	797	Sagit	sag	884		med	971		mon
540	Lunar	ann	629	Oxali	ace	711		ste	798	Salic	agg	885		rub	972		ana
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	Salix	alb	886	Spira	agg	973		ana
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		ana
543		mul	632		rho	714		vul	801		cap	888		x	975		ana
544		pil	633		som	715		vu x ve	802		cin	889		off	976		ana
545		syl	634	Parap	str	716	Prune	vul	803		fra	890		pal	977	Vibur	ana
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		syl	978		ana
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	als	979	Vicia	ana
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		ana
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		ana
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri	895		*med	982	sat	ana
551		num	640		syl	722		spi	809		vim	896		med	983	sat	ana
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	kai	897		neg	984		ana
553		vul	642	Betas	alb	724	Pucci	dis	811	Sambu	ebu	898		nem	985		ana
554	Lythr	por	643		fra	725		mar	812		nig	899	Suaed	mar	986		ana
555		sal	644		hyb	726	Pulic	dys	813	Samol	val	900	Succi	pra	987	Vinca	ana
556	Mahon	aqu	645	Phala	aru	727	Pulmo	off	814	Sangu	min	901	Symph	riv	988		ana
557	Malus	syl	646		can	728	Pyrol	min	815		off	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903		x upl	990		ana
559		neg	648		pra	730	Querc	cer	817	Sapon	off	904	Syrin	vul	991		ana
560		syl	649		pra	731		ile	818	Saxif	gra	905	Tamus	com	992		ana
561	Marru	vul	650		pra	732		pet	819		hyp	906	Tanac	par	993		ana
562	Matri	mat	651	Phrag	aus	733		rob	820		ste	907		vul	994		ana
563		rec	652	Picea	abi	734	Ranun	acr	821		tri	908	Tarax	agg	995		ana
564	Mecon	cam	653		sit	735		*aqu	822	spa x	umb	909	Taxus	bac	996		ana
565	Medic	ara	654	Picri	ech	736		aqu	823	Scabi	col	910	Teu	scoro	997	tri	ana
566		lup	655		hie	737		aur	824	Schoe	lac	911	Thali	fla	998	Viscu	ana
567	sat	sat	656	Pimpi	maj	738		bulbo	825		tab	912		min	999	Vulpf	ana
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		ana
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pli	1001	Wahle	ana
570		uni	659	Pinus	con	741		bul	828		syl	915	Thymu	pra	1002	Zanni	ana
571	Melil	alb	660		nig	742		fic	829	Scler	ann	916	Tilia	cor	1003	Popul	ana
572		alt	661		syl	743		fla	830	Scrop	aur	917		x	1004	Tilia	pl
573		off	662	Plant	cor	744		hed	831		nod	918	Toril	jap	1005	Cerat	ana
574	Menth	aqu	663		lan	745		lingua	832		umb	919		nod	1006	Amara	ana
575		arv	664		maj	746		omi	833	Scute	gal	920	Trago	pra	1007	Salix	ana
576	x	pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	fl
577	x	ver	666		med	748		pen	835	Sedum	acr	922	Trifo	arv	1009	Poa	angu
578	x	vil	667	Plata	bif	749		repens	836		alb	923		cam	1010	Helia	ana
579	Menya	tri	668		chl	750		sce	837		ang	924		dub	1011	Helia	ana
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	An	ana
581	Millu	eff	670		com	752	Rapha	rap	839		rosea	926		hyb	1013	Oenoc	st
582	Minul	agg	671		nemor	753	Resed	lut	840		tel	927		medium	1014	Galiu	st
583	Moehr	tri	672		*pra	754		luteola	841	Senpe	tec	928		mic	1015	Galiu	st
584	Molin	cae	673		pra	755	Rayno	jap	842	Senec	aqu	929		pra	1016	Bromu	st
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	st
586		per	675		tri	757	Rhamn	cat	844		jac	931	Trigl	mar	1018	Anthr	ce
587		sib	676	Polyg	ser	758	Rhin	*min	845		sgu	932		pal	1019	Chara	ce
588	Mycel	mur	677		vul	759	Rhodo	pon	846		syl	933	Tripl	ino	1020	Stell	ce
589	Myoso	arv	678	Polyg	mul	760		alb	847		vis	934		mar	1021	Hotto	ce
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	ce
591		lax	680		are	762		nig	849	vul f	lig	936	Trit x	cro	1023	Anchu	ol
592		ram	681		*avi	763		rub	850	vul f	vul	937	Troll	eur	1024	Calli	ol
593		scorp	682		avi	764		san	851	Serra	tin	938	Tsuga	het	1025	Calli	ol
594		sec	683		bis	765		uva	852	Sesle	alb	939	Tussi	far	1026	Isati	ol
595		syl	684		hydro	766	Rorip	amp	853	Shera	arv	940	Typha	ang	1027	Atrip	sa
596	Myoso	aqu	685		lap	767		pal	854	Sillau	sil	941		lat	1028	Rumex	pa
597	Myric	gal	686		minus	768		syl	855	Silen	alba	942	Ulex	eur	1029	Bromu	pa
598	Myrio	alt	687		oxy	769	Rosa	agg	856		dio	943		gal	1030	Ulmus	pa
599		spi	688		per	770		arv	857		mar	944	Ulmus	gla	1031	Fontin	pa
600	Myrrh	odo	689		poly	771		*can	858		vul	945		pro	1032	Calam	s
601	Narci	pse	690	Popul	alb	772		pim	859	Silyb	mar	946	Umbil	rup	1033	Azo	fil
602	Nardu	str	691		x canad	773		*rub	860	Sinap	alb	947	Urtic	dio	1034	Potam	ce
603	Narth	oss	692		x canes	774		rugosa	861		arv	948		ure			
604	Nastu	mic	693		tre	775		*tom	862	Sison	amo	949		aus			
605		*off				776	Rubus	cae	863	Sisym	off	950		min			
606		off				777		cham	864		ori	951		vul			
607		x m				778		*fru	865	Sium	lat	952	Vaccl	myr			
608	Neott	nid				779		ida	866	Solan	dul	953		oxy			
609	Nepet	cat				780		sax	867		nig	954		vitr			
610	Nupha	lut															
611	Nymph	alb															

Section Code: EDEB 056



Photograph Number: 1

Ecosurveys Ltd

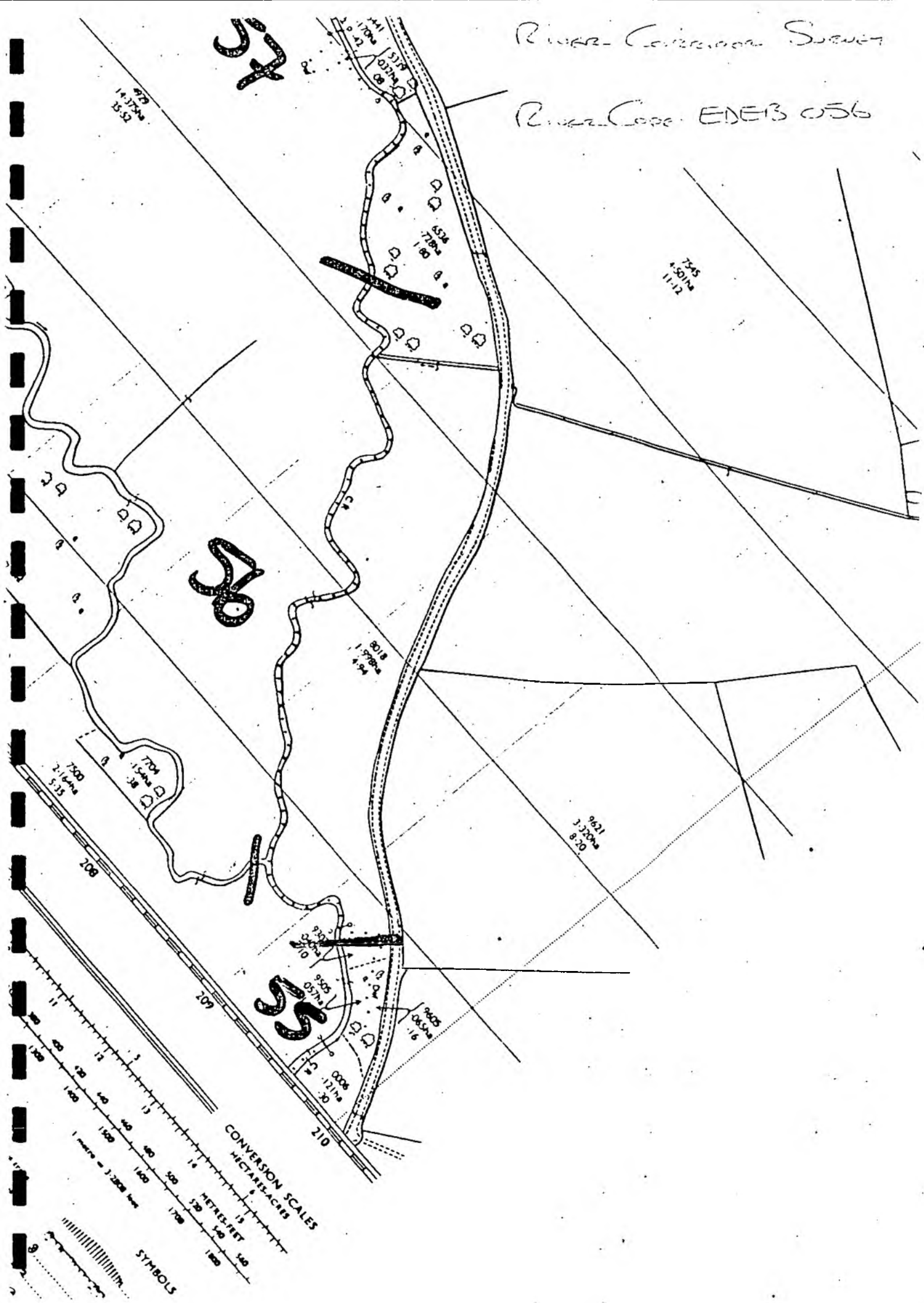
Physical and Habitat Data

River Section No: Edeb 056

Date: 4-8-94

	Feature	Section Data	Input
1	Riffles		0
2	Pools		1
3	Cliffs		0
4	Berms		0
5	Meanders		0
6	Riparian Strip Left Bank - % Length	5 %	A
7	Riparian Strip Right Bank - % Length	0 %	A
8	Trapezoidal Channel	0/N	7
9	Land Use - Left Bank	A.G.W.S.H.I.L.SG.IG.RG	S
10	Land Use - Right Bank	A.G.W.S.H.I.L.SG.IG.RG	ICr
11	Trees - Dense	L/R	D
12	Trees - Scattered	L/R	4
13	Scrub - Dense	L/R	D
14	Scrub - Scattered	L/R	4
15	Emergent Fringe - Left Bank % Length	10 %	4
	Emergent Fringe - Right Bank % Length	10 %	

River Cope. ENEB 056



RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River . . . DEBEN
 Section . . . EDEBOS7
 Auditor . . . P. COLLINS

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒ too long
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Impossible to assess as recently dredged

Flow and current features

Poor - no data given except in description

Substrate and physical features

Poor - only given in description

MARGINAL ZONE

Plant communities

Good - little to record

Substrate and Physical features

Adequate - small shelves omitted.

BANK ZONE

Trees

Poor - trees misplaced and omitted. - scrub recorded with wrong symbol.

Other plant communities

Poor - limited information on bsn vegetation

Physical features

Good - few features to record.

ADJACENT LAND USE

Land use

Adequate - fence + area of scrub to LB omitted.

Habitat types

Adequate - no species given for SNG + PBW

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



Water level relative
to top of bank



Bank height



wrong

Flood bank width



N/A

width



height



N/A

slope



landuse



✓

Poor - Bank height overestimated - width not given - , relative water level/bed omitted

4. SUMMARY DESCRIPTION

Conditions



Typical features

Poor - very short description.

Marginal Vegetation LB & RB

Good - limited species present recorded.

Banks LB & RB

Poor - The banks are frequently tree + scrub lined and are not open.

Adjacent landuse LB & RB

Adequate - no species given for SNQ or PBW.

Fauna

Good

Recreation

Good N/A

Existing Management

Poor - none recorded

Threats

Good

Suggested habitat improvement

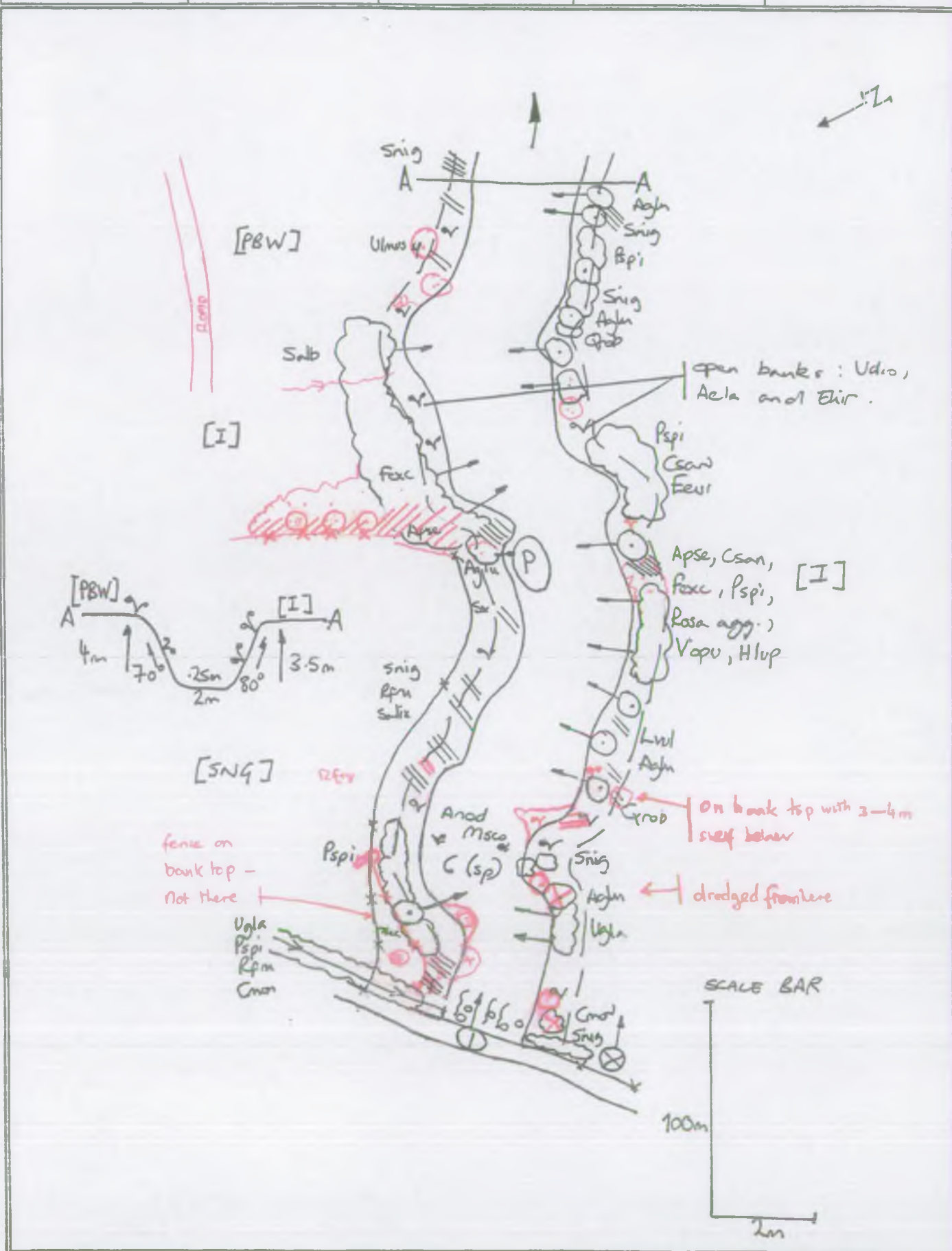
Poor - none recorded.

6. GENERAL NOTES AND ASSESSMENT

Overwidened channel with few in-channel features recorded - impossible to assess if this is accurate as the channel was being reprofiled at the time of audit. The left bank trees + scrub are poorly recorded + the description not very detailed.

$$\frac{28}{51} = 55\%$$

River Name:	Section Code:	Grid Refs:	Survey Date:	Surveyor:
DEBEN	EDEB 057	Tm 2065 6133 Tm 2028 6154	2.8.94	J. James



DATE: 2 August 1994

CODE: EDEB 057

Ecosurveys Ltd

CONDITIONS

Hot and sunny. Surveyed from right bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- | | | |
|-----|--------------|---|
| i | Broad nature | A curving section with slow flow. |
| ii | Dimensions | 2m wide and 0.25m deep. |
| iii | Substrate | Silt and mud. |
| iv | Bank type | Both banks are steep and well vegetated earth, 3.5-4m high with 70°-80° slopes. |

LAND USE

- | | |
|----|---|
| LS | Planted broadleaved woodland, improved pasture and semi-improved grassland. |
| RS | Improved pasture. |

**BANK
VEGETATION**

Open banks dominated by *Urtica dioica*, *Arrhenatherum elatius* and *Epilobium hirsutum* with frequent *Alnus glutinosa*, *Quercus robur*, *Ulmus glabra*, *Cornus sanguinea* and *Sambucus nigra*.

**CHANNEL
VEGETATION**

Apium nodiflorum, *Myosotis scorpioides* and *Callitriche* sp are occasional upstream.

**FEATURES OF
INTEREST**

None.

THREATS

None.

FAUNA

Large White butterfly. Moorhen.

**NUMBER OF SPECIES
RECORDED**

63.

SECTION CODE

EDED 0

DATES SURVEYED

2-8-94

SURVEYORS NAME

J. James

1	Asple	adi	87	Ammop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
2	mar		88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
3	rut		89	Anaga	arv	175	Calys	pal	262	Circ	x int	349		tet	438	Hellia	rum
4	tri		90		ten	176		scop	263		lut	350	Erige	ace	439	Helle	foe
5	tri	qua	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
6	tri	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
7	vir		93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		sp
8	Athyr	fil	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
9	Blech	spi	95	Anten	dio	181		capunculo	268		hel	355		vag	444	Hiera	agg
10	Botry	lun	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
11	Ceter	off	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
12	Crypt	cri	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	cha
13	Cysto	fra	99	Anthr	sy	185	Carda	ama	272	Clino	vul	359	Erysi	che	448	Hippo	vul
14	Dipha	alp	100	Anthy	vul	186		fie	273	Cochl	ang	360	Erym	eur	449	Helle	lan
15	Dryop	aff	101	Aphan	*arv	187		hir	274		dan	361	Eupat	can	450		mol
16	car		102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	peo
17	dil		103		mic	189		pra	276		off	363		exi	452	Borde	mur
18	fil		104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
19	ore		105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
20	arv		106		hor	192		nut	279	Coniu	mac	366		peplus	455	Hyaci	non
21	flu		107	Aguil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
22	hye		108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23	palust		109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
24	syl		110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
25	tel		111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
26	var		112	min	min	198		cur	285		squ	372		*ovina	461		hum
27	Gymno	dry	113	min	nem	199		dem	286	Coryd	cla	373		pra	462		mac
28	Huper	sel	114	Arena	*ser	200		dia	287		lut	374		*rubra	463		mon
29	Hymen	wil	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
30	Isoet	lac	116	Armer	mar	202		distan	289	Coton	mic	376	Pilag	min	465		pul
31	Lycop	cla	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
32	Ophio	vul	118	Arthe	ela	204		ech	291	Orata	mon	378	Elip	ulm	467	Hypoc	rad
33	Oreop	lim	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	agu
34	Osmun	reg	120		mar	206		ext	293	Crepi	bie	380	Poeni	vul	469	Impat	gla
35	Phego	con	121		vul	207		flacca	294		cap	381	Fraga	ves	470		mol
36	Phyll	sco	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
37	Polyp	agg	123	Asper	cyn	209		hos	296		ves	383	Fraxi	ex	472	Inula	con
38	cam		124	Ast*nov	b	210		lae	297	Crypt	jap	384	Fumar	mir	473	Iris	foe
39	int		125		tri	211		las	298	Cymba	mur	385		off	474		pse
40	vul		126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
41	Polys	acu	127		gly	213	mur	lag	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42	set		128	Atrip	gla	214		nig	301	Cytis	aco	388		spe	477	Junc	acuti
43	Pterid	agu	129		lac	215		otr	302	Dacty	gla	389		*tet	478		art
44	Selag	sel	130		lit	216		ova	303	Dacty	fuc	390		tet	479		*buf
45	Abies	alb	131		pat	217		pal	304		inc	391	Galun	cil	480		buf
46	gra		132		pro	218		panicea	305		mac	392		par	481		*bul
47	pro		133	Atrop	bel	219		panicula	306		pra	393	Galiu	apa	482		bul
48	Acer	cam	134	Avena	fat	220		pen	307		pur	394		eru	483		conglc
49	pta		135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		eff
50	pse		136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
51	Achil	ml	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
52	pta		138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		ko
53	Acino	arv	139	Barba	int	225		rip	312		fle	399		*pal	488		ma
54	Aconi	nap	140		ver	226		rostra	313	Desma	mar	400		pal	489		sq
55	Acoru	cal	141		vul	227		ser	314		rig	401		saxat	490		subno
56	Adoxa	mos	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		te
57	Aegop	pod	143	Berbe	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	cc
58	Aescu	hip	144	Berul	ere	230		ves	317		ten	404		ver	493	Rickx	el
59	Aethu	cyn	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	ar
60	Agrim	eup	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Roete	ac
61	pro		147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ar
62	Agros	*can	148	Biden	cer	234	Catab	agu	321	Draba	inc	408		cam	497	Lamia	ga
63	can		149		tri	235	Centa	mon	322	Droze	int	409	Geran	col	498	Lamtu	g
64	cap		150	Black	per	236		nig	323		rot	410		dis	499		ar
65	gig		151	Blyam	com	237		sca	324	Echlu	vul	411		end	500		hr
66	sto		152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		m
67	vin		153		syl	239		pul	326		mul	413		molle	502		p
68	Aira	car	154	Brasa	nap	240	Centr	rub	327		palust	414		pha	503	Lapsa	c
69	pra		155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	d
70	Ajuga	rep	156		rap	242		dif	329		uni	416		pus	505		x
71	Alche	agg	157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		k
72	fil	fil	158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	e
73	fil	ves	159		ere	245		sem	332		nut	419		san	508	Lathy	e
74	gla		160	hor	hor	246		tom	333	Elym	can	420		syl	509		e
75	xan		161		ram	247	Chaen	min	334		far	421	Geum	x int	510		e
76	Alism	pla	162		ste	248	Chaer	tem	335		pyc	422		riv	511	Lemna	e
77	Astia	pat	163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		mi
78	Alliu	ole	164	Buddl	dav	250	Chame	ang	337	Empet	rep	424	Glauc	fla	513		
79	sco		165	Butom	umb	251	Cheli	maj	338	Epilo	bru	425	Glaux	mar	514		
80	urs		166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	
81	th		167	Cala	can	253		bon	340		montan	427	Glyce	dec	516		
82	Alnus	glu	168		epi	254	Chene	mur	341		obs	428		flu	517		
83	Alopa	seq	169		han	255		pol	342		pal	429		max	518	Lepid	
84	gen		170		obt	256		rub	343		par	430		x ped	519		
85	myo		171		sta	257	Chrys	seg	344		ros	431		pli	520		
86	pra		172			258	Chrys	alt	345		tet	432	Gnaph	syl	521	Leuca	
						259		opp	346			433		uli	522	Leymu	
												434	Groen	den			
												435	Gymna	con			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	781	Rumex	*ace*	868	Solid	can	955	Valer	off
524	Liliu	vul	613	Oenan	aqu	695	mar	ber	782	ace		869	gig		956	Valer	loc
525	Limon	vul	614		cro	696	cri		783	acetosa		870	vir		957	Valer	loc
526	Linar	pur	615		fis	697	gra		784	con		871	Sonch	arv	958	Verba	nig
527		rep	616		lac	698	luc		785	crispus		872	asp		959	Verbe	nig
528		vul	617	Oenot	cam	699	nat		786	hyd		873	ole		960	Veron	agr
529		vul	618		ery	700	obt		787	lon		874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701	pectin		788	obt		875	auc		962		ana
531	Liste	ova	620	Ononi	rep	702	per		789	san		876	int		963		v
532	Litho	arv	621		spi	703	pol		790	acu		877	Sparg	ang	964		t
533		off	622	Onopo	aca	704	pus		791	Sagin	*ape	878	eme		965		t
534	Litto	uni	623	Ophry	api	705	Poten	ang	792	ape	ape	879	ere		966		chamae
535	Lolliu	mul	624	Orchi	mas	706		ans	793	ape	ere	880	min		967		fil
536		per	625		mor	707		arg	794	mar		881	Spart	ang	968		d
537	Lonic	per	626	Origa	vul	708		erecta	795	nod		882	Sperg	arv	969	hed	d
538	Lotus	cor	627	Ornit	umb	709		pal	796	pro		883	Sperg	mari	970	hed	loc
539		uli	628		per	710		rep	797	sag		884		med	971		mon
540	Lunar	ann	629	Oxali	ace	711		ste	798	Salic	agg	885		rub	972		off
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	Salix	alb	886	Spira	agg	973		per
542	Luzul	cam	631		dub	713		ver	800	aur		887	Stach	arv	974		l
543		mul	632		rho	714		vul	801	cap		888	x	amb	975		scu
544		pil	633		som	715		vu x ve	802	cin	ole	889		off	976		ser
545		syl	634	Parap	str	716	Prune	vul	803		fra	890		pal	977	Vibur	lan
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		syl	978		u
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	als	979	Vicia	a
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hir
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		lat
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri	895		*med	982	sat	g
551		num	640		syl	722		spi	809		vim	896		med	983	sat	t
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	Kai	897		neg	984		p
553		vul	642	Betas	alb	724	Pucci	dis	811	Sambu	ebu	898		nem	985		syl
554	Lythr	por	643		fra	725		mar	812		nig	899	Suaed	mar	986		tet
555		sal	644		hyb	726	Pulic	dys	813	Samol	val	900	Succi	pra	987	Vinca	j
556	Mahon	aqu	645	Phala	aru	727	Pulmo	off	814	Sangu	min	901	Symph	riv	988		n
557	Malus	syl	646		can	728	Pyrrol	min	815		off	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903	x	upl	990		can
559		neg	648		pra	730	Querc	cer	817	Sapon	off	904	Syrin	vul	991		hir
560		syl	649		pra	731		ile	818	Saxif	gra	905	Tamus	com	992		nt
561	Marru	vul	650		pra	732		pet	819		hyp	906	Tanac	par	993		od
562	Matri	mat	651	Phrag	aus	733		rob	820		ste	907		vul	994		pal
563		rec	652	Picea	abi	734	Ranun	acr	821		tri	908	Tarax	agg	995		rei
564	Mecon	cam	653		sit	735		*aqu	822	spa x	umb	909	Taxus	bac	996		ix
565	Medic	ara	654	Picri	ech	736		aqu	823	Scabi	col	910	Teu	scoro	997	tri	ri
566		lup	655		hie	737		aur	824	Schoe	lac	911	Thali	fla	998	Viscu	bro
567	sat	sat	656	Pimpi	maj	738		bulbo	825		tab	912		min	999	Vulpf	bro
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		myu
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pli	1001	Wahle	ed
570		uni	659	Pinus	con	741		fic	828		syl	915	Thymu	pra	1002	Zanni	al
571	Melil	alb	660		nig	742		fic	829	Scler	ann	916	Tilia	cor	1003	Popul	ie
572		alt	661		syl	743		fla	830	Scrop	aur	917	x	vul	1004	Tilia	pli
573		off	662	Plant	cor	744		hed	831		nod	918	Toril	jap	1005	Cerat	der
574	Menth	aqu	663		lan	745		lingua	832		umb	919		nod	1006	Amara	de
575		arv	664		mai	746		omi	833	Scute	gal	920	Trago	pra	1007	Salix	g
576	x	pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	ti
577	x	ver	666		med	748		pen	835	Sedum	acr	922	Trifo	arv	1009	Poa	angu
578	x	vil	667	Plata	bif	749		repens	836		alb	923		cam	1010	Helia	ri
579	Menya	tri	668		chl	750		sce	837		ang	924		dub	1011	Helia	in
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	An	i
581	Miliu	eff	670		com	752	Rapha	rap	839		rosea	926		hyb	1013	Oen	st
582	Mimul	agg	671		nemor	753	Resed	lut	840		tel	927		medium	1014	Galiu	sp
583	Moehr	tri	672		*pra	754		luteola	841	Senpe	tec	928		mic	1015	Galiu	pu
584	Molin	cae	673		pra	755	Reyno	jap	842	Senec	aqu	929		pra	1016	Bromu	ar
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	pp
586		per	675		tri	757	Rhamn	cat	844		jac	931	Trigl	mar	1018	Anthr	ca
587		sib	676	Polyg	ser	758	Rhin	*min	845		squ	932		pal	1019	Chara	ag
588	Mysel	mur	677		vul	759	Rhodo	pon	846		syl	933	Tripl	ino	1020	Stell	pa
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vis	934		mar	1021	Hotto	pa
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	la
591		lax	680		are	762		nig	849	vul f	lig	936	Trit x	cro	1023	Anchu	of
592		ram	681		*avi	763		rub	850	vul f	vul	937	Troll	eur	1024	Calli	pl
593	scorp	sec	682		avi	764		san	851	Serra	tin	938	Tsuga	het	1025	Calli	he
594		syl	683		bis	765		uva	852	Sesle	alb	939	Tussi	far	1026	Isati	ci
595		aqu	684		hydro	766	Rorip	amp	853	Shera	arv	940	Typha	ang	1027	Atrip	sa
596	Myoso	gal	685		lap	767		pal	854	Silau	sil	941		lat	1028	Rumex	pa
597	Myric	alt	686		minus	768		syl	855	Silen	alba	942	Ulex	eur	1029	Bromu	le
598	Myrio	spi	687		oxy	769	Rosa	agg	856		dio	943		gal	1030	Ulmus	ca
599		odo	688		per	770		arv	857		mar	944	Ulmus	gla	1031	Fonti	Be
600	Myrrh	pse	689		poly	771		*can	858		vul	945		pro	1032	Calam	sy
601	Narci	str	690	Popul	alb	772		pim	859	Silyb	mar	946	Umbil	rup	1033	Azo	fill
602	Nardu	oss	691		x canad	773		*rub	860	Sinap	alb	947	Urtic	dio	1034	Potam	tr
603	Narth	mic	692		x canes	774		rugosa	861		arv	948		ure			
604	Nastu	*off	693		tre	775		*com	862	Sison	amo	949	Utric	aus			
605		off				776	Rubus	cae	863	Sisym	off	950		min			
606		o x m				777		cham	864		ori	951		vul			
607	Neott	nid				778		tra	865	Sium	lat	952	Vacci	myr			
608	Nepet	cat				779		ida	866	Solan	dul	953		oxy			
609		lut				780		sax			nig	954		vit			
610		alb															
611	Nymph	alb															

Physical and Habitat Data

River Section No: 2deb 057

Date: 2-8-94

	Feature	Section Data	Input
1	Riffles		1
2	Pools		1
3	Cliffs		0
4	Berms		0
5	Meanders		0
6	Riparian Strip Left Bank - % Length	25 %	A
7	Riparian Strip Right Bank - % Length	5 %	A
8	Trapezoidal Channel	Y/N	Y
9	Land Use - Left Bank	A.G.W.S.H.I.L.SGIG.RG	IG
10	Land Use - Right Bank	A.G.W.S.H.I.L.SGIG.RG	IG
11	Trees - Dense	L/R	D
12	Trees - Scattered	L/R	U
13	Scrub - Dense	L/R	D
14	Scrub - Scattered	L/R	U
15	Emergent Fringe - Left Bank % Length	1 %	Y
	Emergent Fringe - Right Bank % Length	1 %	

Section Code: EDEB 057



Photograph Number: |

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River . DEBEN .
 Section . EDB 058 .
 Auditor . B. Tinker .

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Good - very little to record. Pero upstream not evident during audit. Assumed there during ACS.

Flow and current
features

Poor - no flow rate on map. Only 1 of 3 riffles recorded

Substrate and physical
features

Poor - no mention of substrate on map (recorded in text). No bars recorded. Channel drawn too wide on ACS map.

MARGINAL ZONE

Plant communities

Good - though little to record.

Substrate and Physical features

Adequate -
 Variation in bank form not recorded d/s.

BANK ZONE

Trees

Poor - 4/5 trees/shrubs not recorded. Mapping in other areas not always correct. Trees left out a shrub symbols incorrectly used.

Other plant communities

Poor - bank communities poorly recorded on map though given in text. Wrong symbol occasionally used

Physical features

Poor - areas of eroding bank not recorded.

ADJACENT LAND USE

Land use

Poor - n/s and not well recorded. Area bet to RB is mixture of willow scrub & tall herbs. Garden d/s RB not recorded

Habitat types

Adequate - (but see above).

3. CROSS SECTIONS

Width of water filled channel



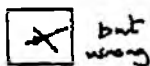
Depth of water



Water level relative to top of bank



Bank height



Flood bank width



width



height



slope



landuse



Poor.

4. SUMMARY DESCRIPTION

Conditions

☒ - surveyed from only one bank!!

Typical features

Poor - very brief. Gives little idea of character.

^{Aquatic}
Marginal Vegetation LB & RB

Good - but little to record

Banks LB & RB

Adequate - Salix spp. scrub frequent to RB.

Adjacent landuse LB & RB

Poor - plantation is very recent & is only a narrow strip between channel and grassland.
No mention of tall herbs.

Fauna

Adequate - large white recorded

Recreation

Poor - probably none.

Existing Management

Poor - not recorded

Threats

Good - "none" recorded

Suggested habitat improvement

None suggested.

6. GENERAL NOTES AND ASSESSMENT

Poor RCS.

$$\text{Score } \frac{23}{51} = 45.1\%$$

DATE: 2 August 1994

CODE: EDEB 058

Ecosurveys Ltd

CONDITIONS

Hot and sunny. Surveyed from right bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- | | | | |
|-----|--------------|----|---|
| i | Broad nature | | An almost straight section of river with slow flow. |
| ii | Dimensions | | 4m wide and 0.25m deep. |
| iii | Substrate | | Silt, mud, gravel and cobbles. |
| iv | Bank type | LB | 3.5m high with 70° slopes. |
| | | RB | 2m high with 80° slopes. |

LAND USE

- | | |
|----|--|
| LS | Improved pasture and planted broadleaved woodland. |
| RS | Semi-improved grassland, osier bed and planted broadleaved woodland. |

BANK
VEGETATION

Both banks, where open, are dominated by *Epilobium hirsutum*, *Urtica dioica*, *Dactylis glomerata* and *Holcus lanatus*. Trees and scrub frequently line the banks and include *Salix alba*, *Fraxinus excelsior*, *Alnus glutinosa* and *Sambucus nigra*.

CHANNEL
VEGETATION

Restricted to small patches of *Phalaris arundinacea* upstream.

FEATURES OF
INTEREST

None.

THREATS

None.

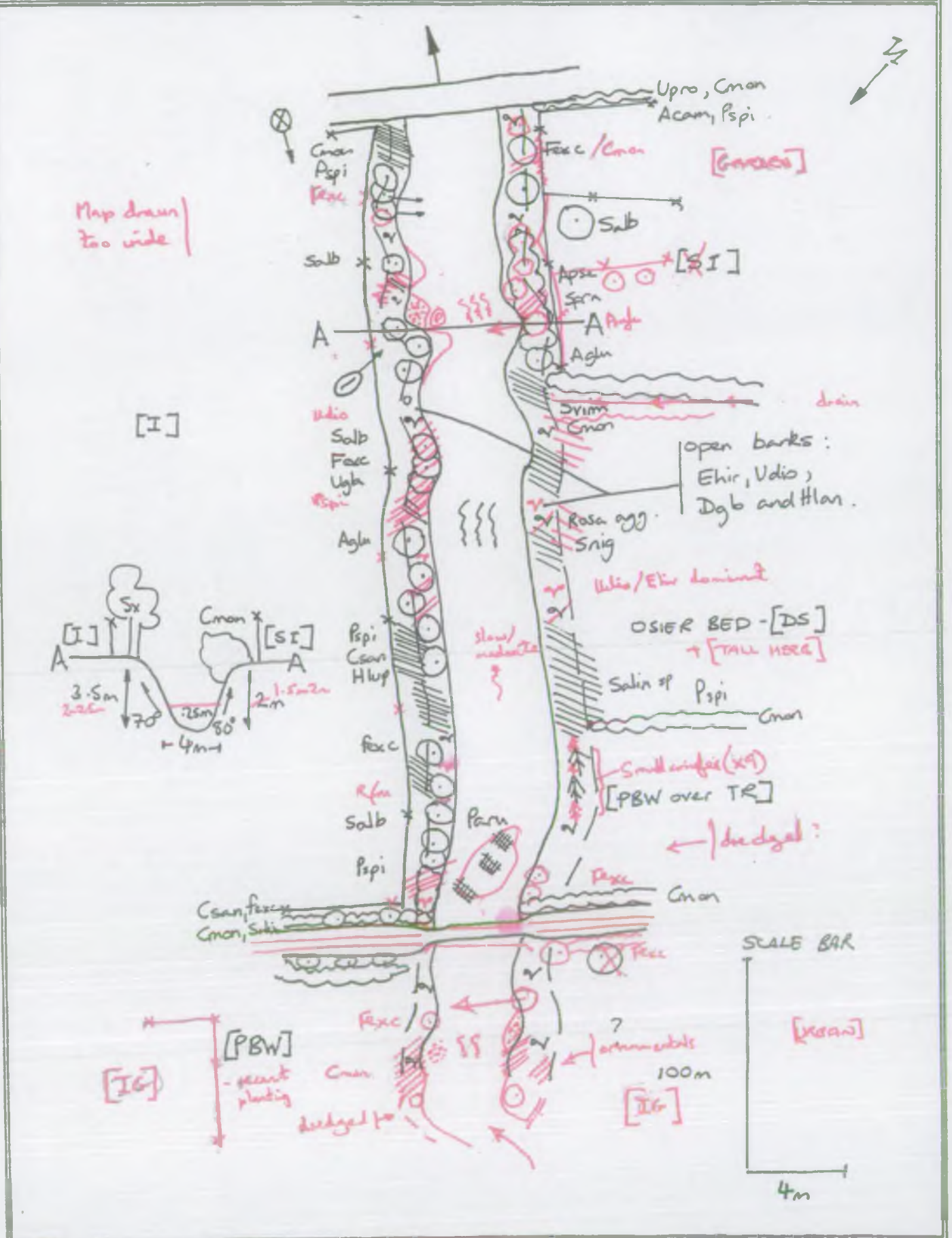
FAUNA

Large White butterfly.

NUMBER OF SPECIES
RECORDED

42.

River Name: DEBEN	Section Code: EDEB 058	Grid Refs: Tm 2028 6154 Tm 2004 6193	Survey Date: 2.8.94	Surveyor: J. JAMES
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SECTION CODE EDED 058

DATES SURVEYED 2 8 94

SURVEYORS NAME J. J. J. J.

1	Asple	adi	87	Anmop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
2		mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
3		rut	89	Anaga	arv	175	Calys	gul	262	Circ	x int	349		tet	438	Helia	num
4		tri	90		ten	176		sop	263		lut	350	Erige	ace	439	Helle	foe
5	tri	qua	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
6	tri	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
7		vir	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		sp
8	Athyr	fil	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
9	Blech	spi	95	Anten	dio	181	rapunculo		268		hel	355		vag	444	Hiera	agg
10	Botry	lun	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
11	Ceter	off	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
12	Crypt	cri	98	Antho	odo	184	Capse	bur	271	Clema	vif	358	Eryng	mar	447	Hippo	rha
13	Cysto	fra	99	Anthr	syl	185	Carda	ama	272	Cline	vul	359	Erysi	che	448	Hippo	vul
14	Dipha	alp	100	Anthy	vul	186		fle	273	Cochl	ang	360	Eucny	eur	449	Helcu	lap
15	Dryop	aff	101	Aphan	arv	187		hir	274		dan	361	Eupat	can	450		mol
16		car	102		arv	188		imp	275		off	362	Eupho	amy	451	Honke	pep
17		dil	103		mic	189		pra	276		off	363		exi	452	Horde	mur
18		fil	104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
19		ore	105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
20	Equis	arv	106		nod	192		nut	279	Coniu	mac	366		peplus	455	Hyaci	non
21		flu	107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
22		hye	108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23	palust		109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
24		syl	110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
25		tel	111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
26		var	112		min	198		cur	285		sq	372		ovina	461		hum
27	Gymno	dry	113		min	199		dem	286	Coryd	cla	373		pra	462		mac
28	Huper	sel	114	Arena	ser	200		dia	287		lut	374		rubra	463		mon
29	Hymen	wil	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
30	Isoet	lac	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
31	Lycop	cla	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
32	Ophio	vul	118	Arrhe	ela	204		ech	291	Crata	mon	378	Philip	ulm	467	Hypoc	rad
33	Oreop	lim	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	agu
34	Osmun	reg	120		mar	206		ext	293	Crepi	bie	380	Poeni	vul	469	Impat	gla
35	Phego	con	121		vul	207		flacca	294		cap	381	Fraga	ves	470		nol
36	Phyll	sco	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
37	Polyp	agg	123	Asper	cyn	209		hos	296		ves	383	Praxi	exc	472	Inula	con
38		cam	124	Ast	nov-b	210		lae	297	Crypt	jap	384	Pumar	mur	473	Iris	foe
39		int	125		tri	211		las	298	Cymba	mur	385		off	474		pse
40		vul	126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
41	Polys	acu	127		gly	213		mur	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42		set	128	Atrip	gle	214		nig	301	Cytis	sco	388		spe	477	Junc	acuti
43	Pteris	ogu	129		lac	215		otr	302	Dacty	glo	389		tet	478		art
44	Selag	sel	130		lit	216		ova	303	Dacty	fuc	390		tet	479		buf
45	Abies	alb	131		pat	217		pal	304		inc	391	Galun	cil	480		buf
46		gra	132		pro	218		panicea	305		mac	392		par	481		bul
47		pro	133	Atrop	bel	219		panicula	306		pra	393	Galun	apa	482		bul
48	Acer	can	134	Avena	fat	220		pen	307		pur	394		cro	483		conglc
49		pla	135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		ef
50		pse	136		pub	222		pse	309	Daphn	lau	396		mol	485		ger
51	Achil	mil	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		infil
52		pta	138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		ko
53	Acino	arv	139	Barba	int	225		rip	312		fle	399		pal	488		ma
54	Aconi	nap	140		ver	226		rostra	313	Desma	mar	400		pal	489		sq
55	Acoru	cal	141		vul	227		ser	314		rig	401		saxat	490		subno
56	Adoxa	mos	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		te
57	Aegop	pod	143	Berbe	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	cc
58	Aescu	hip	144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	el
59	Aethu	cyn	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	ar
60	Agrim	eup	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	ac
61		pro	147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ar
62	Agros	can	148	Biden	cer	234	Catab	acu	321	Draba	inc	408		cam	497	Lamia	ga
63		can	149		tri	235	Centa	mon	322	Drose	int	409	Geran	col	498	Lamio	a
64		cap	150	Black	per	236		nig	323		rot	410		dis	499		ar
65		gig	151	Blyam	com	237		eca	324	Echiu	vul	411		end	500		h
66		sto	152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		m
67		vin	153		syl	239		pul	326		mul	413		molle	502		p
68	Aiza	car	154	Brass	nsp	240	Centr	rub	327		palust	414		pha	503	Lapsa	c
69		pra	155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	c
70	Ajuga	rep	156		rap	242		dif	329		uni	416		pus	505		x
71	Alche	agg	157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		k
72	fil	fil	158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	e
73	fil	ves	159		ere	245		sem	332		nut	419		san	508	Lathy	r
74		gla	160	hor	hor	246		tom	333	Elymu	can	420		syl	509		i
75		xan	161		cam	247	Chaen	min	334		far	421	Geum	x int	510		i
76	Allism	pla	162		ste	248	Chaer	tem	335		pyc	422		riv	511	Lemna	mi
77	Aria	per	163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		
78	Alliu	ole	164	Buddl	dav	250	Chame	ang	337	Empet	nig	424	Glauc	fla	513		
79		sco	165	Butom	umb	251	Cheli	maj	338	Epilo	bru	425	Glaux	mar	514		
80		urs	166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	
81		vin	167	Cala	can	253		bon	340		Chir	427	Glyce	dec	516		
82	Adnus	glu	168		epi	254	Chene	mur	341		montan	428		flu	517		
83	Alope	aq	169	Calli	agg	255		pol	342		obs	429		max	518	Lepid	
84		gen	170		han	256		rub	343		pal	430		x ped	519		
85		myo	171		cot	257	Chrys	seg	344		par	431		pil	520		
86		pra	172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	
						259		opp	346		tet	433		uli	522	Leymu	
												434	Groen	den			
												435	Gymna	con			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	781	Rumex	*ace*	868	Solid	can	955	Valer	o
524		vul	613	Oenan	agu	695		ber	782		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	783		acetosa	870		vir	957	Valer	loc
526	Limon	vul	615		fis	697		gra	784		con	871	Sonch	arv	958	Verba	g
527	Linar	pur	616		lac	698		luc	785		crispus	872		asp	959		top
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ole	960	Verbe	f
529		vul	618		ery	700		obt	787		len	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	788		obt	875		auc	962		ana
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		v
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	ang	964		c
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		eme	965		t
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	879		ere	966		chama
535	Lolliu	mul	624	Orchi	mas	706		ans	793		ape	880		min	967		fil
536		per	625		mor	707		arg	794		mar	881	Spart	ang	968		d
537	Lonic	per	626	Origa	vul	708		erecta	795		nod	882	Sperg	arv	969	hed	d
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mari	970	hed	ruc
539		uli	628	Ornit	per	710		rep	797	Sagit	sag	884		med	971		mon
540	Lunar	ann	629	Oxali	ace	711		ste	798	Salic	agg	885		rub	972		off
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	Salix	alb	886	Spira	agg	973	pet	c
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		l
543		mul	632		rho	714		vul	801		cap	888		x	975		scu
544		pil	633		som	715		vu x ve	802		cin	889		off	976		ser
545		syl	634	Parap	str	716	Prune	vul	803		ole	890		pal	977	Vibur	on
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		syl	978		ou
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	als	979	Vicia	ta
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hir
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		lat
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri	895		*med	982	sat	g
551		num	640		syl	722		spi	809		vim	896		med	983	sat	at
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	kal	897		neg	984		ep
553		vul	642	Betas	alb	724	Pucci	dis	811	Sambu	ebu	898		nem	985		syl
554	Lythr	por	643		fra	725		mar	812		nig	899	Suaed	mar	986		tet
555		sal	644		hyb	726	Pulic	dys	813	Samol	val	900	Succi	pra	987	Vinca	nj
556	Mahon	agu	645	Phala	arv	727	Pulmo	off	814	Sangu	min	901		riv	988		an
557	Malus	syl	646		can	728	Pyrol	min	815		off	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903		x	990		can
559		neg	648		pra	730	Querc	cer	817	Sapon	off	904	Syrin	vul	991		tr
560		syl	649		pra	731		ile	818	Saxif	gra	905	Tamus	com	992		at
561	Marru	vul	650		pra	732		pet	819		hyp	906	Tanac	par	993		od
562	Matri	mat	651	Phrag	aus	733		rob	820		ste	907		vul	994		pal
563		rec	652	Ricea	abi	734	Ranun	acr	821		tri	908	Tarax	agg	995		rei
564	Mecon	cam	653		sit	735		*agu	822		spa x	909	Tamus	bac	996		iv
565	Medic	ara	654	Picri	ech	736		agu	823	Scabi	col	910	Teu	scoro	997	tri	ri
566		lup	655		hie	737		aur	824	Schoe	lac	911	Thali	fla	998	Viscu	ri
567	sat	sat	656	Pimpi	maj	738		bulbo	825		tab	912		min	999	Vulpr	bro
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		my
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pli	1001	Wahle	ed
570		uni	659	Pinus	con	741		bul	828		syl	915	Thymu	pra	1002	Zanni	al
571	Melil	alb	660		nig	742		fic	829	Scler	ann	916	Tilia	cor	1003	Popul	ic
572		alt	661		syl	743		fla	830	Scrop	aur	917		x	1004	Tilia	pli
573		off	662	Plant	cor	744		hed	831		nod	918	Toril	jap	1005	Cerat	ger
574	Menth	agu	663		lan	745		lingua	832		umb	919		nod	1006	Amara	el
575		arv	664		ma	746		omi	833	Scute	gal	920	Trago	pra	1007	Salix	g
576	x	pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	th
577	x	ver	666		med	748		pen	835	Sedum	acr	922		arv	1009	Poa	angu
578	x	vil	667	Plata	bif	749		repens	836		alb	923		cam	1010	Helia	i
579	Menya	tri	668		chl	750		see	837		ang	924		dub	1011	Helia	an
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	An	il
581	Milliu	eff	670		com	752	Rapha	rap	839		rosea	926		hyb	1013	Oenan	st
582	Mimul	agg	671		nemor	753	Resed	lut	840		tel	927		medium	1014	Galiu	sp
583	Moehr	tri	672		*pra	754		luteola	841	Senpe	tec	928		mic	1015	Galiu	bu
584	Molin	cae	673		pra	755	Reyno	jap	842	Senec	agu	929		pra	1016	Bromu	ar
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	sp
586		per	675		tri	757	Rhamn	cat	844		jac	931	Trigl	mar	1018	Anthr	ca
587		sib	676	Polyg	ser	758	Rhin	*min	845		squ	932		pal	1019	Chara	ag
588	Mycel	mur	677		vul	759	Rhodo	pon	846		syl	933	Tripl	ino	1020	Stell	sa
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vis	934		mar	1021	Hotto	sa
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	la
591		lax	680		are	762		nig	849	vul f	lig	936	Trit x	cro	1023	Anchu	of
592		ram	681		*avi	763		rub	850	vul f	vul	937	Troll	eur	1024	Calli	pl
593		scorp	682		avi	764		san	851	Serra	tin	938	Tsuga	het	1025	Calli	pe
594		sec	683		bis	765		uva	852	Sesle	alb	939	Tussi	far	1026	Isati	ci
595		syl	684		hydro	766	Rorip	amp	853	Shera	arv	940	Typha	ang	1027	Atrip	sa
596	Myoso	agu	685		lap	767		pal	854	Silau	sil	941		lat	1028	Rumex	pa
597	Myric	gal	686		minus	768		syl	855	Silen	alba	942	Ulex	eur	1029	Bromu	le
598	Myrio	alt	687		oxy	769	Rosa	agg	856		dio	943		gal	1030	Ulmus	ca
599		spi	688		per	770		arv	857		mar	944	Ulmus	gla	1031	Fonti	ac
600	Myrth	odo	689		poly	771		*can	858		vul	945		pro	1032	Calam	sy
601	Narci	pse	690	Popul	alb	772		pim	859	Silyb	mar	946	Umbil	rup	1033	Azo	fil
602	Nardu	str	691		x canad	773		*rub	860	Sinap	alb	947	Urtic	dio	1034	Potam	ti
603	Narth	oss	692		x canes	774		rugosa	861		arv	948		ure			
604	Nastu	mic	693		tre	775		*com	862	Sison	amo	949	Utric	aus			
605		*off				776	Rubus	cae	863	Sisym	off	950		min			
606		off				777		cham	864		ori	951		vul			
607		x m				778		*eru	865	Sium	lat	952	Vacci	myr			
608	Neott	nid				779		ida	866	Solan	dul	953		oxy			
609	Nepet	cat				780		sax	867		nig	954		vit			
610	Nupha	lut															
611	Nymph	alb															

Physical and Habitat Data

River Section No: EDEB 657

Date: 6/2/94

	Feature	Section Data	Input
1	Riffles		1
2	Pools		0
3	Cliffs		0
4	Berms		0
5	Meanders		0
6	Riparian Strip Left Bank - % Length	0 %	N
7	Riparian Strip Right Bank - % Length	0 %	N
8	Trapezoidal Channel	Y/N	N
9	Land Use - Left Bank	A.G.W.S.H.I.L.SG.IG.RG	IG
10	Land Use - Right Bank	A.G.W.S.H.I.L.SG.IG.RG	S
11	Trees - Dense	E/R	L
12	Trees - Scattered	L/R	R
13	Scrub - Dense	L/R	D
14	Scrub - Scattered	L/R	U
15	Emergent Fringe - Left Bank % Length	10 %	4
	Emergent Fringe - Right Bank % Length	0 %	

River Commission Survey

River Code EDEB 058

Scale

59

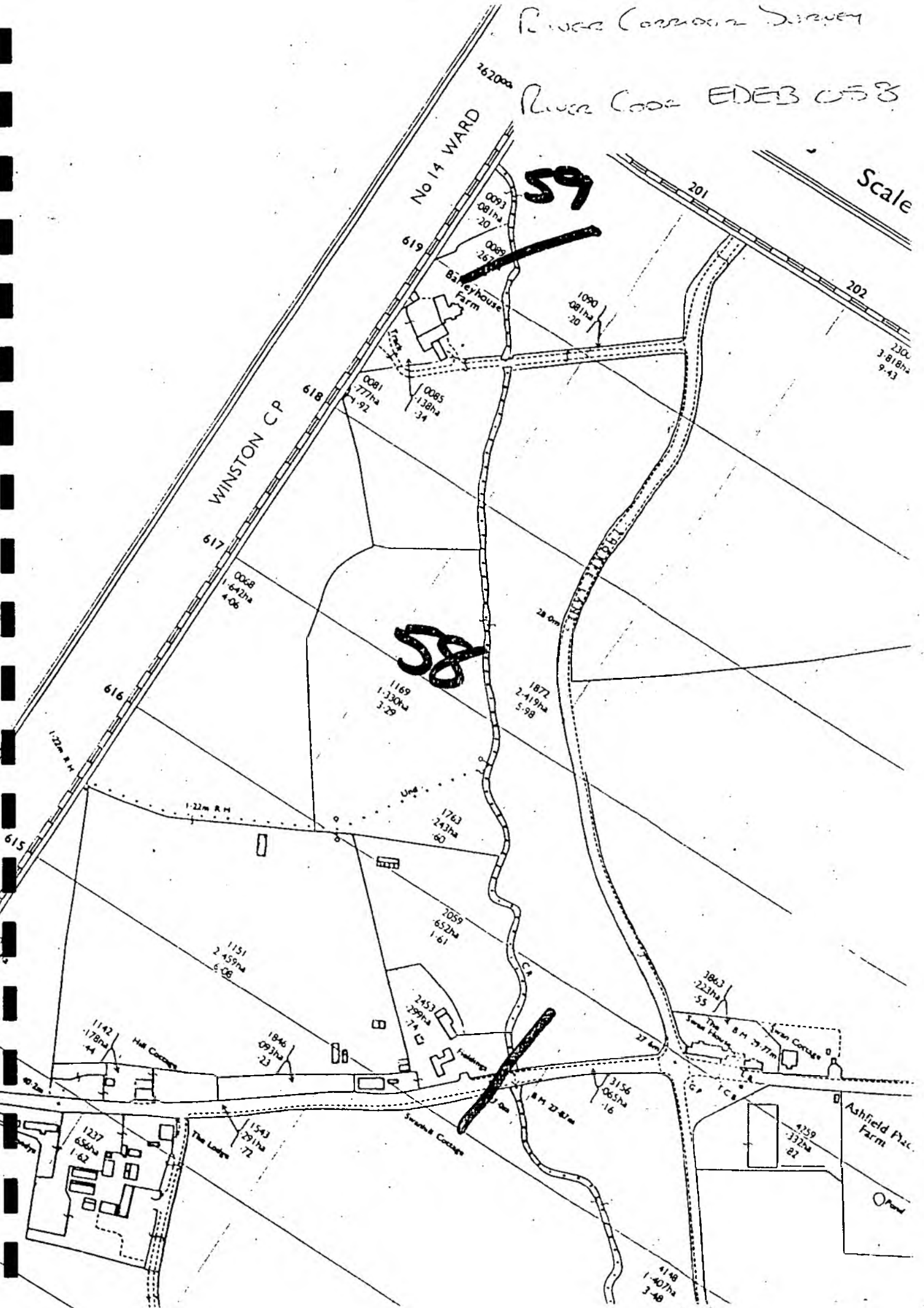
No 14 WARD

WINSTON CP

58

Barleyhouse Farm

Ashfield Farm



Section Code: EDER OS



Photograph Number: 1

Ecosurveys Ltd

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River DEGEN
Section REDA 059
Auditor B. Truber

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Poor - only partly surveyed.

Flow and current
features

Poor - riffles w/s not noted. remainder of section not recorded.

Substrate and physical
features

Poor - substrate includes gravel. Not fully recorded.

MARGINAL ZONE

Plant communities

Poor - stands not recorded d/s.

Substrate and Physical features

Poor - gravel bars, shelves not recorded.

EDEB 059.

BANK ZONE

Trees

Poor - only partly surveyed & those recorded not accurately mapped.

Other plant communities

Poor - bank communities not recorded on map + made up in text (as not fully surveyed)

Physical features

Poor - erosion cliffs etc not recorded

ADJACENT LAND USE

Land use

Poor - incorrectly mapped

Habitat types

Poor - incorrect

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



4. SUMMARY DESCRIPTION

Conditions



Typical features

Poor - very brief. No mention of incomplete survey.

+ Aquatic
Marginal Vegetation LB & RB

Poor - incorrect as several stands present d/c.

Banks LB & RB

Poor - as survey incomplete cannot state dominance of species.

Adjacent landuse LB & RB

Poor - incorrectly mapped

Fauna

Adequate - though survey incomplete.

Recreation

Poor - probably none

Existing Management

Poor - not recorded.

Threats

Poor - section not fully surveyed $\therefore$ can not state there are no threats.

Suggested habitat improvement

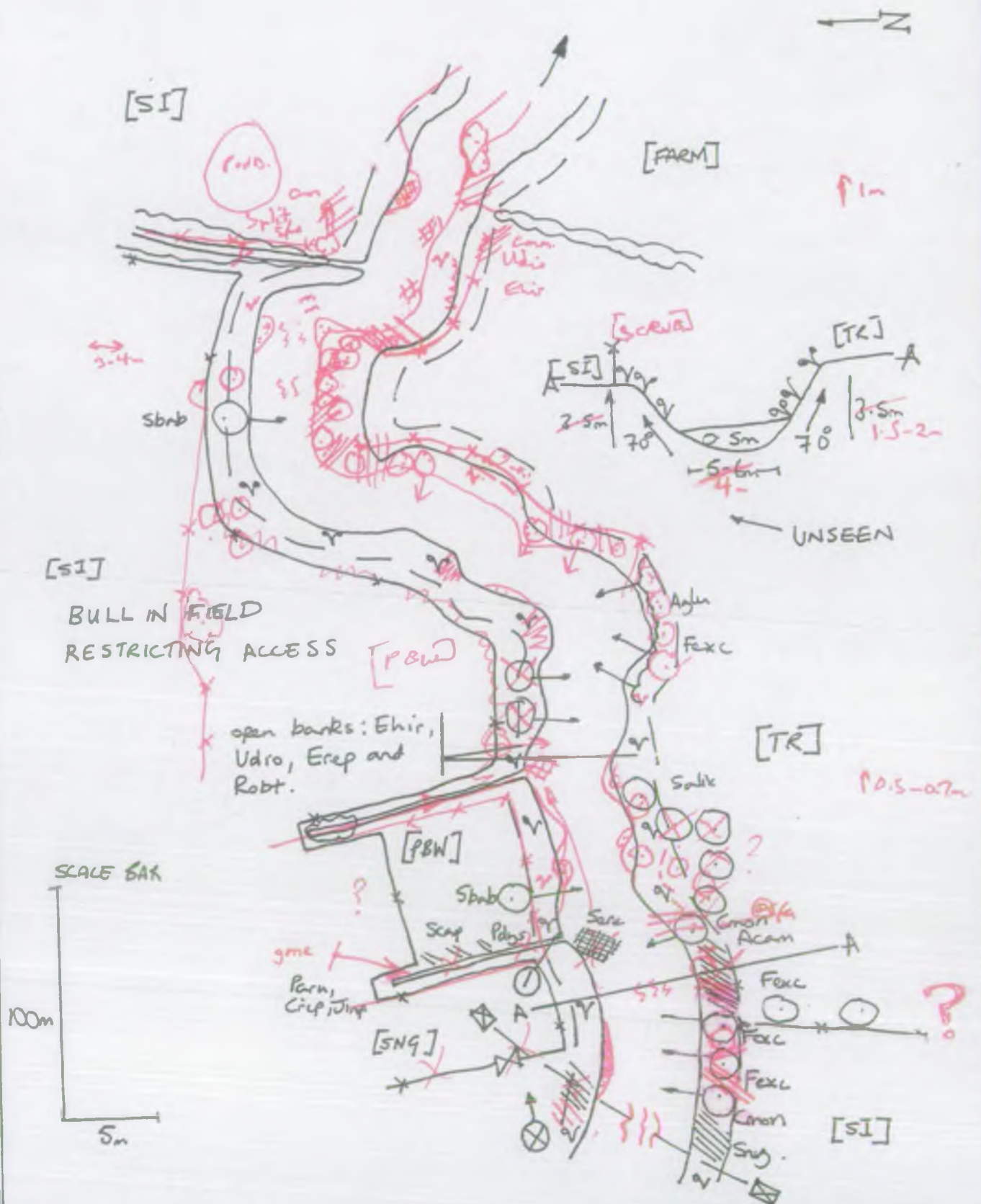
None given

6. GENERAL NOTES AND ASSESSMENT

Section not fully surveyed. Staked bull in field preventing access d/c. However LB is a fenced-off plantation for much of its length. What was wrong with surveying from the RO? Generally very poor. Shows little attempt to complete the survey. LB habitat also incorrectly mapped u/s - drain has been removed (for some time?) and trees/shrubs to banks poorly recorded. There is no reference to lack of a complete survey in the text summary.

Score: 11
51

River Name:	Section Code:	Grid Refs:	Survey Date:	Surveyor:
DEBEN	EDEB 059	Tm 2004 6193 Tm 1955 6198	4.8.94	J. JAMES



DATE: 4 August 1994

CODE: EDEB 059

Ecosurveys Ltd

CONDITIONS

Raining. Surveyed from left bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- | | | |
|-----|--------------|---|
| i | Broad nature | A meandering section with slow flow. |
| ii | Dimensions | 5-6m wide and 0.5m deep. |
| iii | Substrate | Silt and mud. |
| iv | Bank type | Both banks are 3.5m high with 70° slopes. |

LAND USE

- | | |
|----|---|
| LS | Semi-improved grassland and planted broadleaved woodland. |
| RS | Farm, tall ruderals and semi-improved grassland. |

BANK
VEGETATION

Both banks are dominated by *Epilobium hirsutum*, *Urtica dioica*, *Elymus repens* and *Rumex obtusifolius* with frequent *Fraxinus excelsior*, *Salix* sp and *Sambucus nigra*.

CHANNEL
VEGETATION

Restricted to a small stand of *Sparganium erectum* upstream on the left.

FEATURES OF
INTEREST

None.

THREATS

None.

FAUNA

Common Blue damselfly.

NUMBER OF SPECIES
RECORDED

30.

SECTION CODE ENEB059

DATES SURVEYED

4.8.94

SURVEYORS NAME

G Greico/
J James

1	Asple	adi	87	Anmop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
2		mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
3		rut	89	Anaga	arv	175	Calys	pul	262	Circ	x int	349		tet	438	Helia	rum
4		tri	90		ten	176		eco F	263		lut	350	Erige	ace	439	Helle	foe
5	tri	qua	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
6	tri	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
7		vir	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		sph
8	Athyr	fil	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
9	Blech	spi	95	Anten	dio	181		rapunculo	268		hel	355		vag	444	Hiera	agg
10	Botry	lun	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
11	Ceter	off	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
12	Crypt	cri	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	tha
13	Cysto	fra	99	Anthr	syl	185	Carda	ama	272	Clino	vul	359	Erysi	che	448	Hippu	vul
14	Dipha	alp	100	Anthy	vul	186		fle	273	Cochi	ang	360	Eucny	eur	449	Bolcu	lan
15	Dryop	aff	101	Aphan	*arv	187		hir	274		dan	361	Eupat	can	450		mol
16		car	102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	peo
17		dil	103		mic	189		pra	276		off	363		exi	452	Horde	mur
18		fil	104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
19		ore	105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
20	Equis	arv	106		nod	192		nut	279	Coniu	mac	366		peplus	455	Hyaci	non
21		flu	107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
22		hye	108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23		palust	109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
24		syl	110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
25		tel	111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
26		var	112		min	198		cur	285		squ	372		*ovina	461		hum
27	Gymno	dry	113		min	199		dem	286	Coryd	cla	373		pra	462		mac
28	Huper	sel	114	Arena	*ser	200		dia	287		lut	374		*rubra	463		mon
29	Hymen	wil	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
30	Isoet	lac	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
31	Lycop	cla	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
32	Ophio	vul	118	Arthe	ela	204		ech	291	Crata non		378	Filip	ulm	467	Hypoc	rad
33	Oreop	lim	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	agu
34	Osmun	reg	120		mar	206		ext	293	Crepi	bie	380	Poeni	vul	469	Impat	gla
35	Phago	con	121		vul	207		flacca	294		cap	381	Fraga	ves	470		nol
36	Phyll	sco	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
37	Polyp	agg	123	Asper	cyn	209		hos	296		ves	383	Praxi exc R		472	Inula	con
38		cam	124	Ast*nov-b		210		lae	297	Crypt	jap	384	Rumar	mur	473	Iris	foe
39		int	125		tri	211		las	298	Cymba	mur	385		off	474		pse
40		vul	126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
41	Polys	acu	127		gly	213	mur	lae	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42		set	128	Atrip	gla	214		nig	301	Cytis	sco	388		spe	477	Junc	acuti
43	Pteri	acu	129		lac	215		otr	302	Dacty glo		389		*tet	478		art
44	Selag	sel	130		lit	216		ova	303	Dacty	tuc	390		tet	479		*buf
45	Abies	alb	131		pat	217		pal	304		inc	391	Galim	cil	480		buf
46		gra	132		pro	218		panicea	305		mac	392		par	481		*bul
47		pro	133	Atrop	bel	219		panicula	306		pra	393	Galiu apa		482		bul
48	Acer	cam	134	Avena	fat	220		pen	307		pur	394		eru	483		conclo
49		via	135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		eff
50		pse	136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
51	Achil	mil	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
52		pta	138	Ballo nig		224		rem	311	Desch	ces	398		odorat	487		koc
53	Acino	arv	139	Barba	int	225		rip	312		fle	399		*pal	488		mar
54	Aconi	nap	140		ver	226		rostra	313	Desma	mar	400		pal	489		squ
55	Acoru	cal	141		vul	227		ser	314		rig	401		saxat	490		subnoc
56	Adoxa	mos	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ter
57	Aegop	pod	143	Berber	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	con
58	Aescu	hip	144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	eli
59	Aethu	cyn	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	ar
60	Agrim	eup	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	ag
61		pro	147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	an
62	Agros	*can	148	Biden	cer	234	Catab	acu	321	Draba	inc	408		cam	497	Lamia	ga
63		can	149		tri	235	Centa	mon	322	Drose	int	409	Geran	col	498	Lamiu	al
64		cap	150	Black	per	236		nig	323		rot	410		dis	499		am
65		gig	151	Blysa	com	237		sca	324	Echiu	vul	411		end	500		hy
66		sto	152	Brach	pin	238	Centa	ery	325	Eileoc	aci	412		luc	501		ma
67		vin	153		syl	239		pul	326		mul	413		molle	502		pu
68	Aiza	car	154	Brass	nsp	240	Centr	rub	327		palust	414		pha	503	Lapsa G	
69		pra	155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	de
70	Ajuga	rep	156		rap	242		dif	329		uni	416		pus	505		x eu
71	Alche	agg	157	Briza	med	243		font	330	Eileog	flu	417		pyr	506		ka
72	fil	fil	158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	sc
73	fil	ves	159		ere	245		sem	332		nut	419		san	508	Lathy	mc
74		gla	160	hor	hor	246		tom	333	Elymu	can	420		syl	509		pi
75		xan	161		ram	247	Chae	min	334		far	421	Geum	x int	510		s
76	Alism	pla	162		ste	248	Chae	tem	335		pyc	422		riv	511	Lemna	g
77	Allia	pet	163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		mirv
78	Alliu	ole	164	Buddi	dav	250	Chame	ang	337	Erpet	nig	424	Glauc	fla	513		p
79		sco	165	Butom	umb	251	Cheli	naj	338	Epilo	bru	425	Glaux	mar	514		t
80		urs	166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	a
81		vin	167	Caia	can	253		bon	340		hip	427	Glyce	dec	516		h
82	Alnus glu		168		epi	254	Chene	mur	341		montan	428		flu	517		c
83	Arope aeq		169	Calli	agg	255		pol	342		obs	429		max	518	Lepid	c
84		gen	170		han	256		rub	343		pal	430		x ped	519		h
85		myo	171		obt	257	Chrys	seg	344		par	431		pli	520		r
86		pra	172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	v
						259		opp	346		tet	433		uli	522	Leymu	z
												434	Groen	den			
												435	Gymna	con			

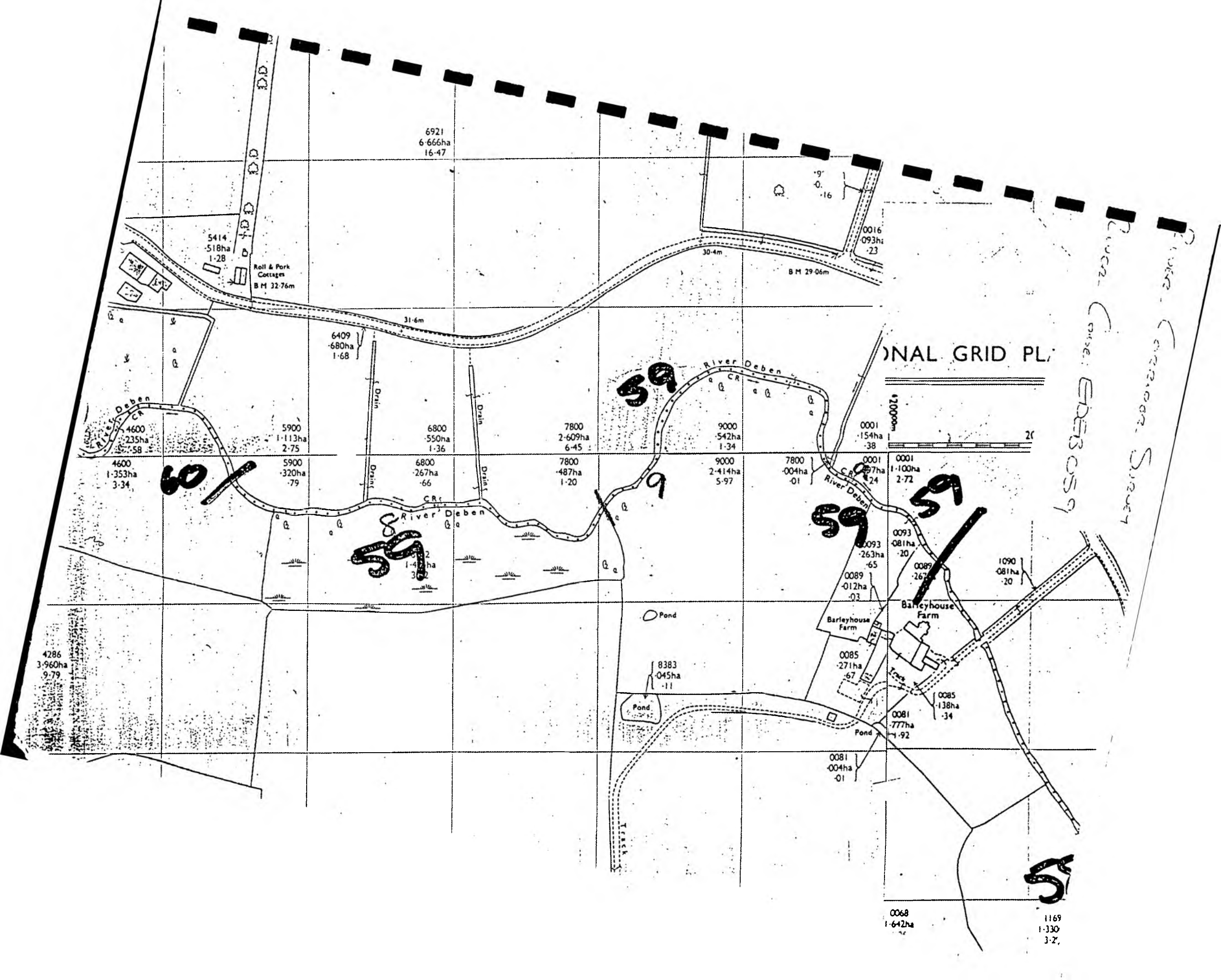
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524		vul	613	Oenan	agu	695		ber	782		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	783		acetosa	870		vir	957	Valer	loc
526	Limon	vul	615		fis	697		gra	784		con	871	Sonch	arv	958	Verba	g
527	Linar	pur	616		lac	698		luc	785		crispus	872		asp	959		p
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ole	960	Verbe	off
529		vul	618		ery	700		obt	787		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	788		obt	875		auc	962		aga
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		v
532	Litho	arv	621		spi	703		pol	790		acu	877	Sparg	ang	964		c
533		off	622	Onopo	aca	704		pus	791		*ape	878		eme	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	879		ere	966		chama
535	Loliu	mul	624	Orchi	mas	706		ans	793		ape	880		min	967		l
536		per	625		mor	707		arg	794		mar	881	Spart	ang	968		d
537	Lonic	per	626	Origa	vul	708		erecta	795		nod	882	Sperg	arv	969	hed	d
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mari	970	hed	luc
539		uli	628	Ornit	per	710		rep	797		sag	884		med	971		mon
540	Lunar	ann	629	Oxali	ace	711		ste	798		agg	885		rub	972		ff
541	Lupin	arb	630	Papav	arg	712	Primu	far	799		alb	886	Spira	agg	973		pe
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		bul
543		mul	632		rho	714		vul	801		cap	888		x	975		scu
544		pil	633		som	715		vu x ve	802		cin	889		off	976		ser
545		syl	634	Parap	str	716	Prune	vul	803		fra	890		pal	977	Vibur	ar
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		syl	978		ra
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	ais	979	Vicia	tra
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hic
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		lat
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri	895		*med	982	sat	dic
551		num	640		syl	722		spi	809		vim	896		med	983	sat	al
552		pun	641	Penta	sem	723	Pseud	nen	810		kal	897		neg	984		seg
553		vul	642	Betas	alb	724	Pucci	dis	811		ebu	898		nem	985		sy
554	Lythr	por	643		fra	725		mar	812		nig	899	Suaed	mar	986		et
555		sal	644		hyb	726	Pulic	dys	813		val	900	Succi	pra	987	Vinca	ba
556	Mahon	agu	645	Phala	aru	727	Pulmo	off	814		min	901	Symph	riv	988		ii
557	Malus	syl	646		can	728	Pyrol	min	815		off	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816		eur	903		x upl	990		car
559		neg	648		pra	730	Querc	cer	817		off	904	Syrin	vul	991		i
560		syl	649		ber	731		ile	818		gra	905	Tamus	com	992		ur
561	Marru	vul	650		pra	732		pet	819		hyp	906	Tanac	par	993		odora
562	Matri	mat	651	Phrag	aus	733		rob	820		ste	907		vul	994		pa
563		rec	652	Picea	abi	734	Ranun	acr	821		tri	908	Tarax	agg	995		re
564	Mecon	cam	653		sit	735		*agu	822		spa x umb	909	Taxus	bac	996		i
565	Medic	ara	654	Picri	ech	736		agu	823		col	910	Teu	scoro	997		tri
566		lup	655		hie	737		aur	824		lac	911	Thali	fla	998	Viscu	all
567	sac	sat	656	Pimpi	naj	738		bulbo	825		tab	912		min	999	vulpf	bro
568	Melam	pra	657		sax	739		cir	826		nig	913	Thlas	arv	1000		my
569	Melic	nut	658	Pingu	vul	740		fic	827		mar	914	Thuja	pli	1001	Wahle	le
570		uni	659	Pinus	con	741		bul	828		syl	915	Thymu	pra	1002	Zanni	ba
571	Melil	alb	660		nig	742		fic	829		ann	916	Tilia	cor	1003	Popul	ni
572		alt	661		syl	743		fla	830		aur	917		x vul	1004	Tilia	pl
573		off	662	Plant	cor	744		hed	831		nxd	918	Toril	jap	1005	Cerat	de
574	Menth	agu	663		lan	745		lingua	832		umb	919		nod	1006	Amara	ze
575		atv	664		naj	746		omi	833		gal	920	Trago	pra	1007	Salix	ba
576	x	pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	fi
577	x	ver	666		med	748		pen	835		acr	922	Trifo	arv	1009	Poa	angu
578	x	vil	667	Plata	bif	749		repens	836		alb	923		cam	1010	Relia	ri
579	Menya	tri	668		chl	750		sce	837		ang	924		dub	1011	He'	ar
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	Ar	ti
581	Miliu	eff	670		com	752	Rapha	rap	839		rosea	926		hyb	1013	Oenot	sl
582	Mimul	agg	671		nemor	753	Resed	lut	840		tel	927		medium	1014	Galio	sp
583	Moehr	tri	672		*pra	754		luteola	841		tec	928		mic	1015	Galio	pa
584	Molin	cae	673		pra	755	Reyno	jap	842		agu	929		pra	1016	Brom	ai
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	sp
586		per	675		tri	757	Rhamn	cat	844		jac	931	Trigl	mar	1018	Anthr	ci
587		sib	676	Polyg	aer	758	Rhin	*min	845		agu	932		pal	1019	Chara	ac
588	Mycel	mur	677		vul	759	Rhodo	pon	846		syl	933	Tripl	ino	1020	Stell	pa
589	Myoso	arv	678	Polyg	mul	760		alb	847		vis	934		mar	1021	Hotto	pa
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	li
591		lax	680		are	762		nig	849		lig	936	Trit	x cro	1023	Anchu	o
592		ram	681		*avi	763		rub	850		vul f	937	Troll	eur	1024	Calli	p
593		scorp	682		avi	764		san	851		tin	938	Tsuga	het	1025	Calli	hu
594		sec	683		bis	765		uva	852		alb	939	Tussi	far	1026	Isati	ti
595		syl	684		hydro	766	Rorip	amp	853		arv	940	Typha	ang	1027	Atrip	si
596	Myoso	agu	685		lap	767		pal	854		sil	941		lat	1028	Rumex	pa
597	Myric	gal	686		minus	768		syl	855		alba	942	Ulex	eur	1029	Brom	li
598	Myrio	alt	687		oxy	769	Rosa	agg	856		dio	943		gal	1030	Ulmus	c
599		spi	688		per	770		arv	857		mar	944	Ulmus	gla	1031	Pontia	a
600	Myrrh	odo	689		poly	771		*can	858		vul	945		pro	1032	Calam	s
601	Narci	pse	690	Popul	alb	772		pim	859		mar	946	Umbil	rup	1033	Azo	fil
602	Nardu	str	691		x canad	773		*rub	860		alb	947	Urtic	dio	1034	Potam	t
603	Narth	oss	692		x canes	774		rugosa	861		arv	948		ure			
604	Nastu	mic	693		tre	775		*tom	862		amo	949	Utric	aus			
605		*off				776	Rubus	cae	863		off	950		min			
606		off				777		cham	864		ori	951		vul			
607		x m				778		can	865		lat	952	Vacci	myr			
608	Neott	nid				779		ida	866		can	953		oxy			
609	Nepet	cat				780		sax	867		nig	954		vit			
610	Nupha	lut															
611	Nymph	alb															

Physical and Habitat Data

River Section No: Edeb 059

Date: 4-8-94

	Feature	Section Data	Input
1	Riffles		0
2	Pools		0
3	Cliffs		0
4	Berms		0
5	Meanders		1
6	Riparian Strip Left Bank - % Length	0%	A
7	Riparian Strip Right Bank - % Length	5%	A
8	Trapezoidal Channel	YN	Y
9	Land Use - Left Bank	A.G.W(S)H.I.L(S)IG.RG	S
10	Land Use - Right Bank	A.G.W(S)H(I)L.SG.IG(RG)	RC
11	Trees - Dense	L/R	D
12	Trees - Scattered	L/R	Y
13	Scrub - Dense	L/R	D
14	Scrub - Scattered	L/R	U
15	Emergent Fringe - Left Bank % Length	5%	Y
	Emergent Fringe - Right Bank % Length	0%	



6921
6-666ha
16-47

5414
518ha
1-28
Roll & Pork
Cottages
B M 32-76m

B M 29-06m

NAL GRID PL

1:20000

Case: EDEB 059

River Deben
Case: EDEB 059

60

59

59

9

59

59

54

4286
3-960ha
9-79

4600
1-353ha
3-34

5900
1-113ha
2-75

5900
3-320ha
7-79

6409
680ha
1-68

6800
550ha
1-36

6800
2-267ha
6-66

7800
2-609ha
6-45

7800
4-487ha
1-20

9000
542ha
1-34

9000
2-414ha
5-97

7800
0-004ha
-01

0001
154ha
-38

0001
2-277ha
4-24

0001
1-100ha
2-72

0093
0-81ha
-20

0093
2-263ha
-65

0089
0-12ha
-03

0089
2-267ha
-65

1090
0-81ha
-20

Barleyhouse
Farm

Barleyhouse
Farm

0085
2-271ha
6-7

0085
1-138ha
-34

0081
7-777ha
1-92

0081
0-004ha
-01

Pond

Pond

Pond

8383
0-045ha
-11

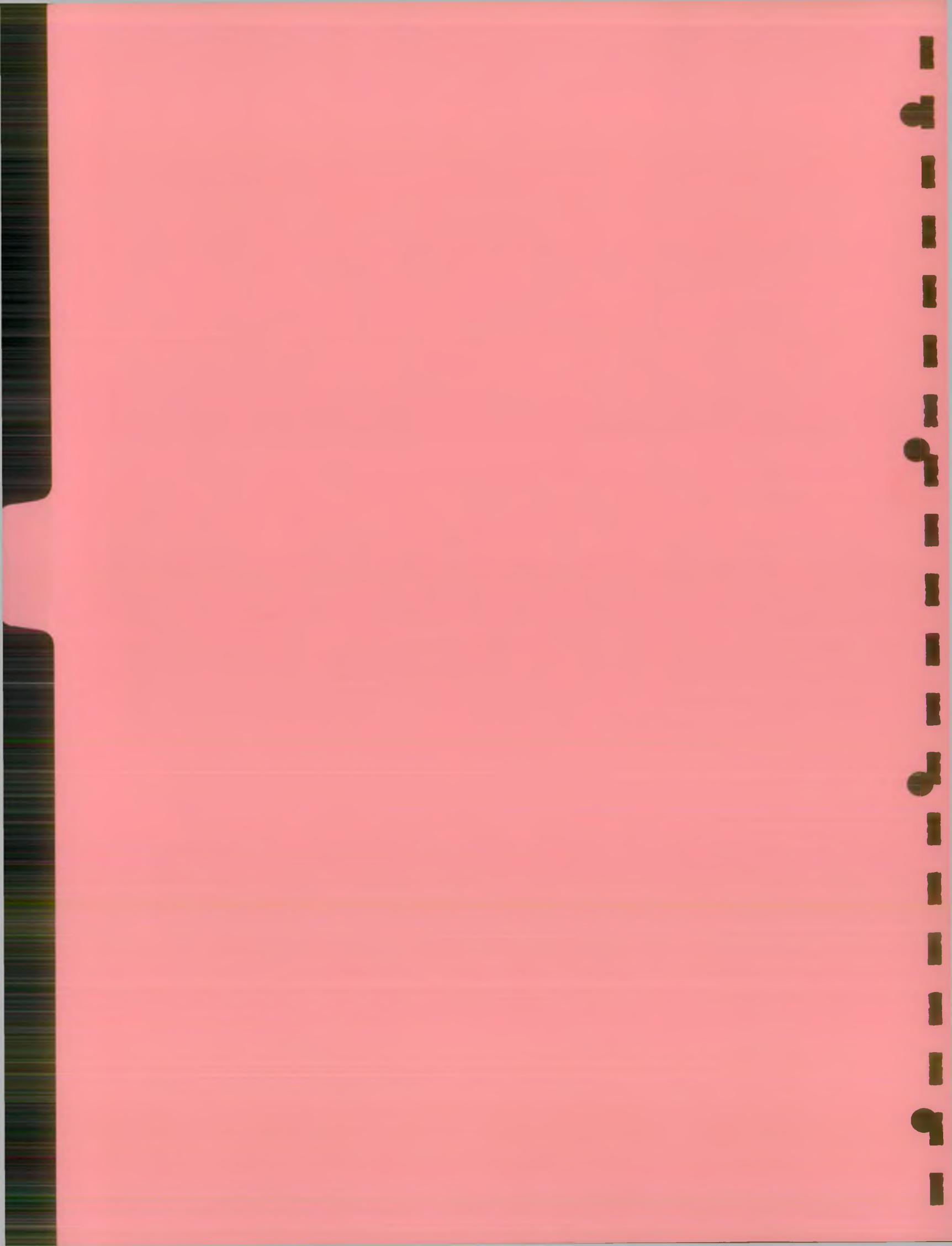
0068
1-642ha

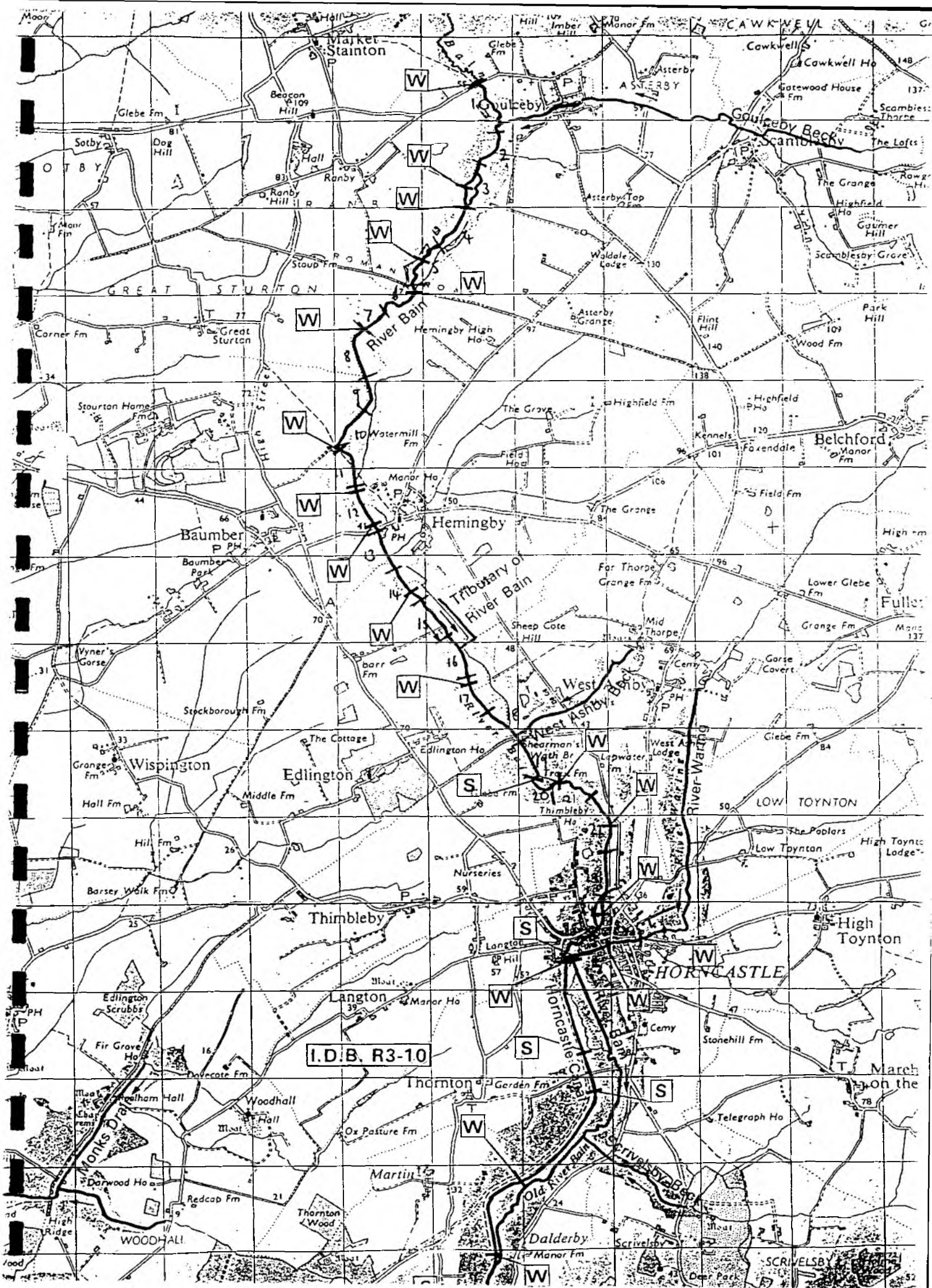
1169
1-330
3-2

Section Code: EDEB 059



Photograph Number: 1





RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River ... BAIR ...
 Section 09.10.010 ...
 Auditor ... 9. Shawin ...

1. GENERAL INFORMATION

Name of river



Date of survey



Reach ref No.



Grid North



Surveyors name



Scale base width



Length



Grid ref upstream



Grid ref downstream



Flow direction



2. SURVEY MAP

AQUATIC ZONE

Plant communities

- Impossible to assess due to recent dredging.

Flow and current features

Poor /
 Adequate - no indication of flow on res maps.

Substrate and physical features

Poor /
 Adequate - no indication on maps - but in description.

MARGINAL ZONE

Plant communities

Impossible to assess due to recent dredging.

Substrate and Physical features

Adequate - shelves to be not recorded.

BANK ZONE

Trees

Adequate - one mowed at d/s

Other plant communities

Adequate - stands of emergent vegetation on bank not recorded.

Physical features

Poor/Adequate - fence to LB omitted; variability in bank morphology not recorded

ADJACENT LAND USE

Land use

Adequate - D/S RB is farm with 19 not Arable; hedges not recorded accurately

Habitat types

Adequate

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



Poor - bank heights & channel widths wrong

4. SUMMARY DESCRIPTION

Conditions



Typical features

Poor - None provide in any detail.

Marginal Vegetation LB & RB

- Impossible to assess due to dredging - species recorded seem rather few.

Banks LB & RB

Adequate - small stands of emergent vegetation on the bank not recorded.

Adjacent landuse LB & RB

Adequate - RB ds is a farm & I G not H. Hedges poorly recorded

Fauna

Good

Recreation

Good - None recorded

Existing Management

Poor - None recorded

Threats

Good

Suggested habitat improvement

Poor - None recorded.

6. GENERAL NOTES AND ASSESSMENT

An easy section to survey but relatively poorly done. Variation in bank features & dimensions has been ignored. Adjacent features such as hedgerows poorly recorded.

$$\frac{30}{51} = 59\%$$

Physical and Habitat Data

River Section No: BAIN 010

Date: 12/8/1994

	Feature	Section Data	Input
1	Riffles		C
2	Pools		0
3	Cliffs		0
4	Berms		0
5	Meanders		1
6	Riparian Strip Left Bank - % Length	0 %	A
7	Riparian Strip Right Bank - % Length	0 %	A
8	Trapezoidal Channel	Y/N	Y
9	Land Use - Left Bank	(A).G.W.S.H.I.L.SG.IG.RG	A
10	Land Use - Right Bank	(A).G.W.S.H.I.L.SG.IG.RG	A
11	Trees - Dense	L/R	D
12	Trees - Scattered	L/R	D
13	Scrub - Dense	L/R	U
14	Scrub - Scattered	L/R	D
15	Emergent Fringe - Left Bank % Length	15 %	Y
	Emergent Fringe - Right Bank % Length	40 %	

DATE: 12 August 1994

CODE: BAIN 010

Ecosurveys Ltd

CONDITIONS

Dry and windy. Surveyed from left bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- | | | |
|-----|--------------|--|
| i | Broad nature | A slightly meandering section of river. |
| ii | Dimensions | 7m wide and 0.5m deep. |
| iii | Substrate | Clay and gravel. |
| iv | Bank type | Both banks are earth, 3m high with 45° slopes. |

LAND USE

Arable to both sides.

**BANK
VEGETATION**

Both banks are dominated by *Epilobium hirsutum*, *Arrhenatherum elatius*, *Urtica dioica*, *Cirsium arvense* and *Dactylis glomerata*.

**CHANNEL
VEGETATION**

LS Patch of *Sparganium erectum* downstream.
RS Patches and large stands of *Sparganium erectum*.

Potamogeton pectinatus is frequent in the channel.

**FEATURES OF
INTEREST**

None.

THREATS

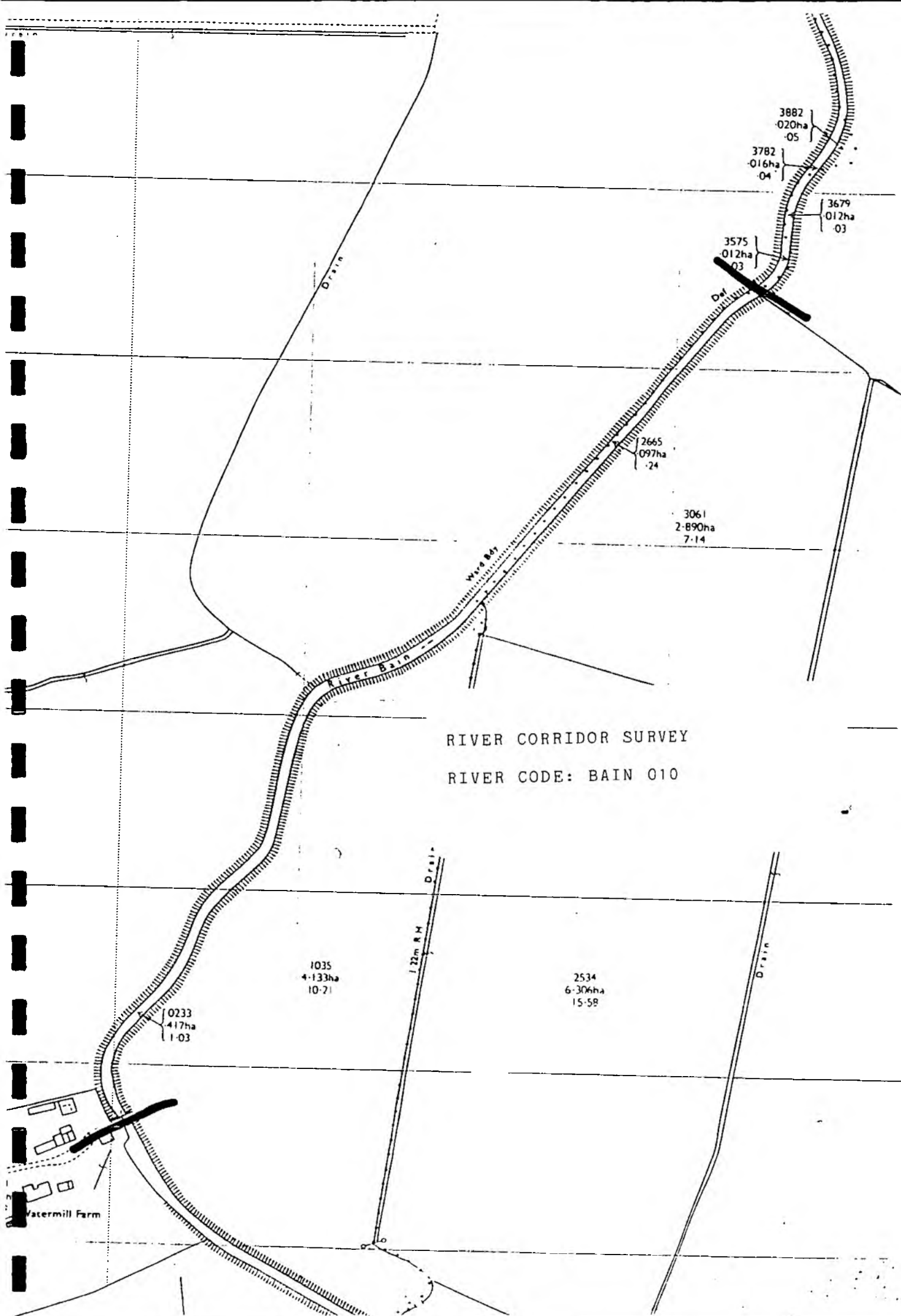
None.

FAUNA

Peacock butterfly.

**NUMBER OF SPECIES
RECORDED**

36.



RIVER CORRIDOR SURVEY

RIVER CODE: BAIN 010

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River Bain
 Section all
 Auditor g shawin

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Impossible to assess due to recent dredging

Flow and current features

Poor + upstream riffle + pool not recorded.

Substrate and physical features

Poor - Silt shelves + bars not identified - or pool + promontary d/d of weir
 small riffle v/s not recorded.

MARGINAL ZONE

Plant communities

Impossible to tell due to dredging

Substrate and Physical features

Poor - shelves not identified

BANK ZONE

Trees

Poor - location of shrubs often omitted or inaccurate

Other plant communities

Poor - emergent vegetation on bank not recorded.

Physical features

Poor - cattle drink not identified - variation in bank profiles not recorded.

ADJACENT LAND USE

Land use

Adequate - BW upstream is not present - farm + rough 19! Ditch grassed over O/S 40
No information on ditch flora

Habitat types

Adequate - little habitat of interest to record - no information on ditch habitat.

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



Poor

4. SUMMARY DESCRIPTION

Conditions



Typical features

Poor - no information given on channel form or features - what is an angled river?

Marginal Vegetation LB & RB

poor - no statement of abundance - omits to mention emergent vegetation on lower bank - no mention of Ranunculacea.

Banks LB & RB

poor - RB cattle drink not recorded - variation in bank profiles not mentioned. Dimensions inaccurate. No mention of scrub on banks nor emergents.

Adjacent landuse LB & RB

Adjoining No BROAD LEAVED WOODLAND TO RB U/S ! - FARM AND IG.

Fauna

Good - butterfly recorded !

Recreation

N/A

Existing Management

Poor - Not recorded

Threats

Good None mentioned.

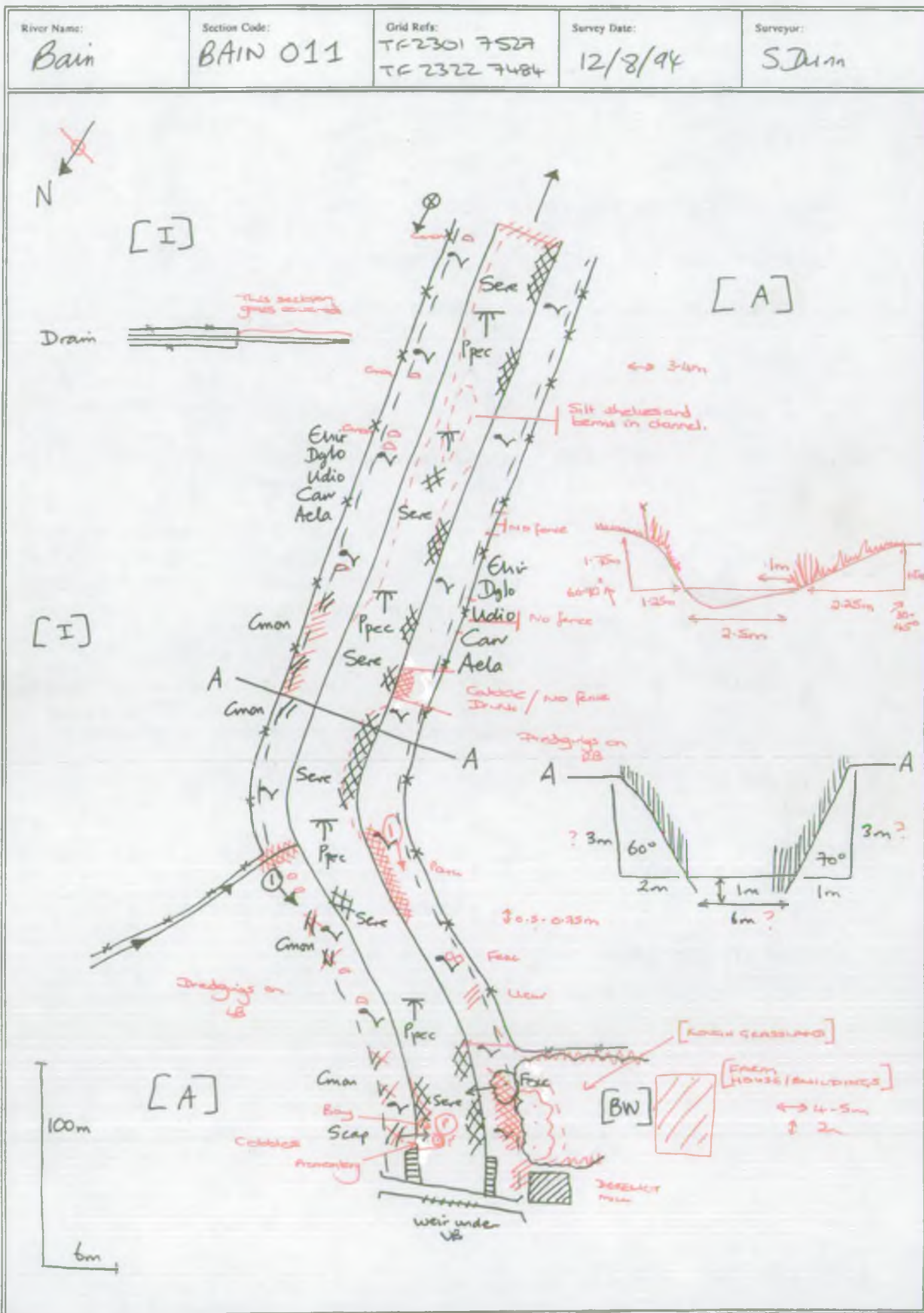
Suggested habitat improvement

Poor - None mentioned

6. GENERAL NOTES AND ASSESSMENT

An easy section to survey - but poorly recorded. The main features of importance such as variation in bank form, presence of emergent vegetation on the banks and positions of shrubs have been poorly recorded. The few in-channel morphological features present have not been recorded.

$$\frac{22}{51} = 43\%$$



DATE: 12 August 1994

CODE: BAIN 011

Ecosurveys Ltd

CONDITIONS

Dry, windy and overcast. Surveyed from left bank.
One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- | | | |
|-----|--------------|--|
| i | Broad nature | An angled section of river. |
| ii | Dimensions | 6m wide and 1m deep. |
| iii | Substrate | Clay and silt. |
| iv | Bank type | Both banks are earth, 3m high with 60°-70° slopes. |

LAND USE

LS	Improved grassland and arable.
RS	Arable and broadleaved woodland.

**BANK
VEGETATION**

Both banks are dominated by *Epilobium hirsutum*,
Dactylis glomerata, *Urtica dioica*, *Cirsium arvense* and
Arrhenatherum elatius with occasional *Filipendula*
ulmaria and *Geranium robertianum*.

**CHANNEL
VEGETATION**

LS	Patches of <i>Sparganium erectum</i> near bridge.
RS	Dense patches of <i>Sparganium erectum</i> .

Potamogeton pectinatus is abundant in the channel.

**FEATURES OF
INTEREST**

None.

THREATS

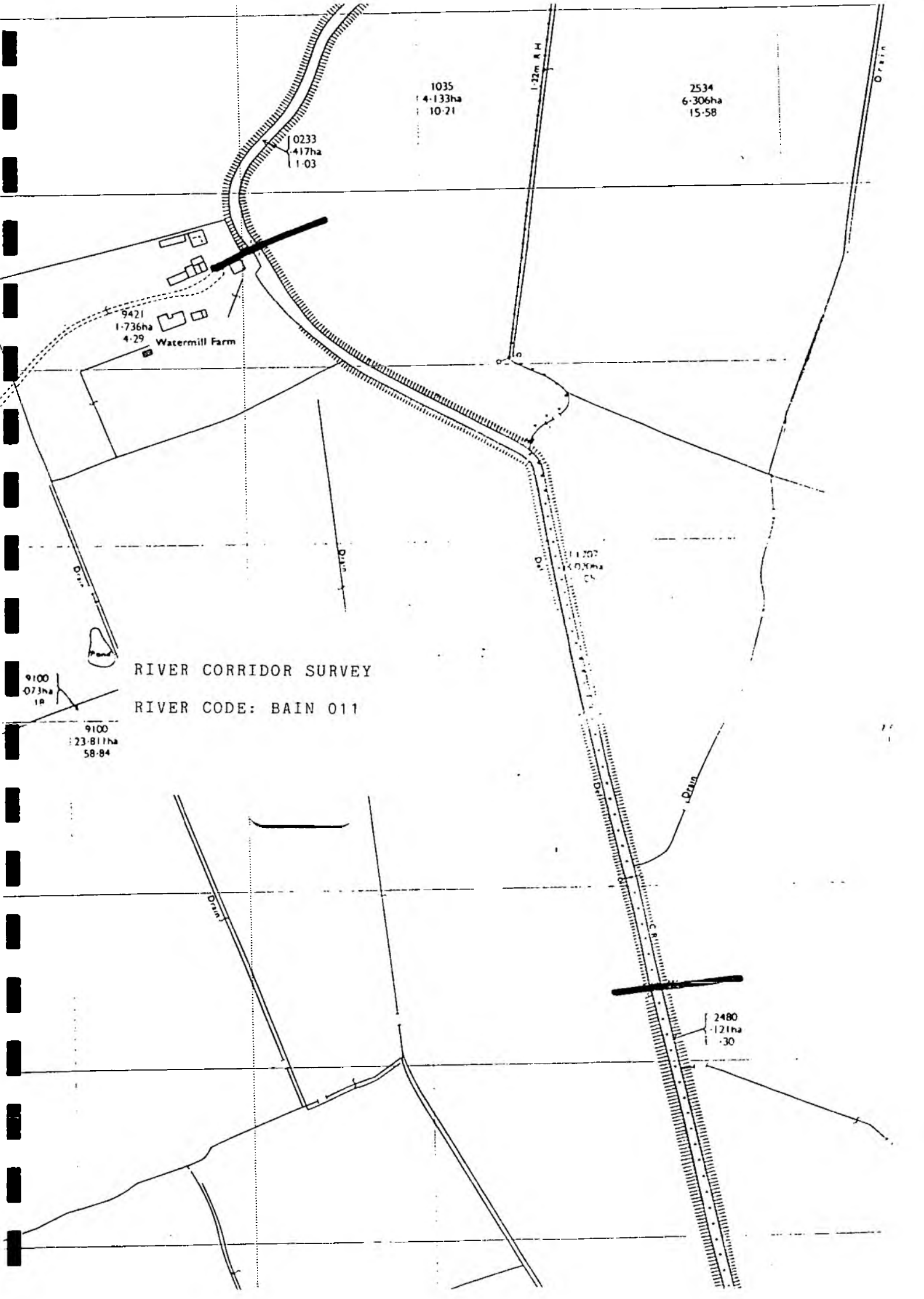
None.

FAUNA

Peacock butterfly. Mallard. Roach.

**NUMBER OF SPECIES
RECORDED**

40.



1035
4.133ha
10-21

2534
6.306ha
15-58

0233
4.17ha
1-03

9421
1.736ha
4-29

Watermill Farm

11202
5.07ha
04

9100
0.73ha
1P

9100
23.811ha
58-84

RIVER CORRIDOR SURVEY

RIVER CODE: BAIN 011

2480
1.21ha
-30

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River ... Danw. ...
 Section ... 012 ...
 Auditor ... S. Guthrie ...

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒ inaccurate
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Impossible to assess due to recent dredging

Flow and current features

Poor - w/c riffle + pool + d/s pools omitted.

Substrate and physical features

Adequate - n/s boulders omitted

MARGINAL ZONE

Plant communities

Impossible to assess due to recent dredging.

Substrate and Physical features

Impossible to assess due to recent dredging.

BANK ZONE

Trees

Poor - LB + RB v/s poorly recorded or omitted.

Other plant communities

Adequate - emergent vegetation on lower banks omitted. No mention of grazed upper LB

Physical features

Poor - variation in bank heights not recorded.

ADJACENT LAND USE

Land use

Adequate - hedge omitted to LB v/s, Power cables omitted.

Habitat types

Good - few communities of interest to record.

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



Bank height/slope wrong. Banks are variable in height - not recorded.

Poor

4. SUMMARY DESCRIPTION

Conditions



Typical features

- none supplied -

Marginal Vegetation LB & RB

Banks LB & RB

Adjacent landuse LB & RB

Fauna

Recreation

Existing Management

Threats

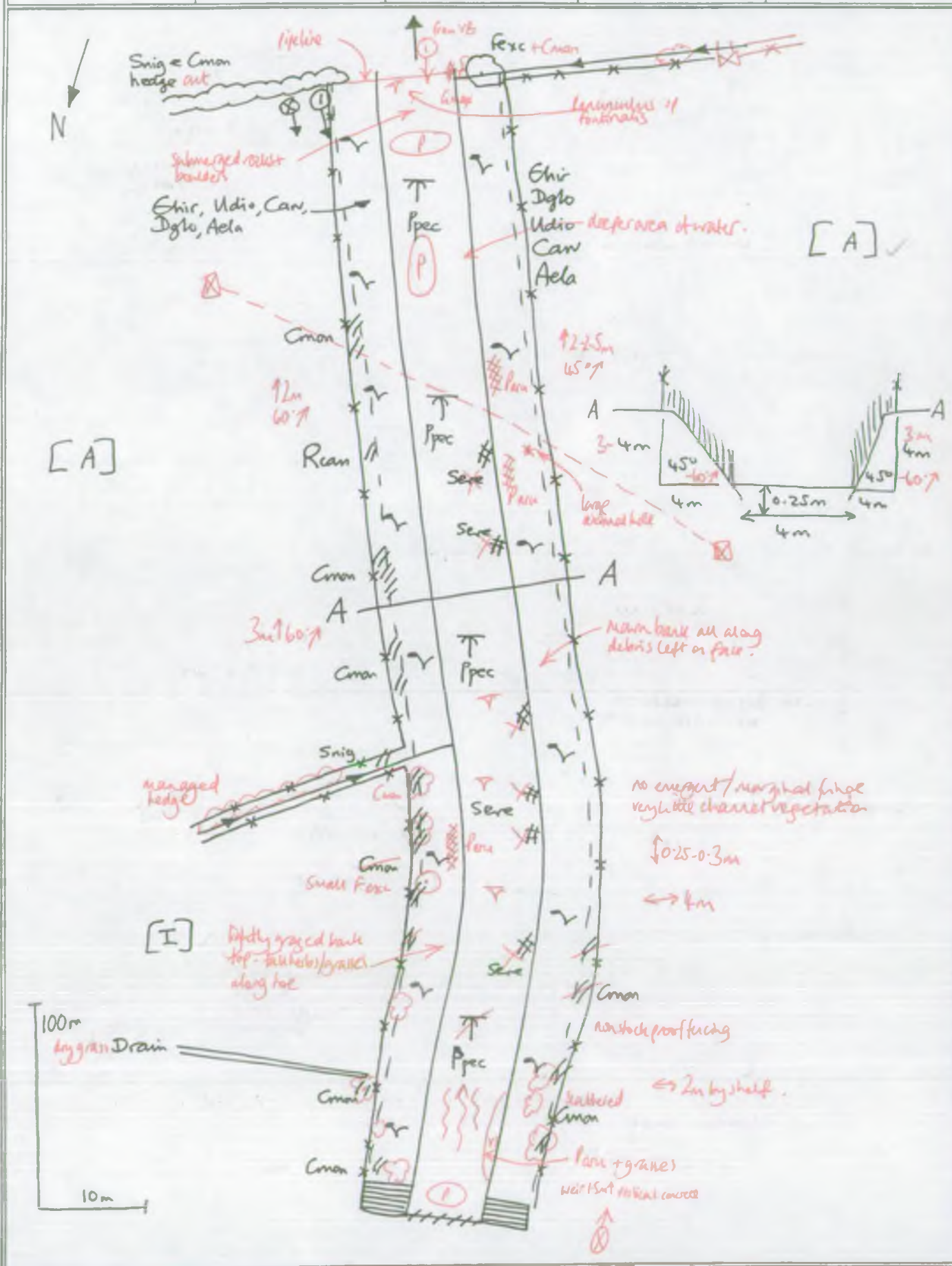
Suggested habitat improvement

6. GENERAL NOTES AND ASSESSMENT

Poor - an easy section to survey. Important features such as variation in bank height, inchannel features such as riffle + pools have not been recorded.

$$\frac{21}{33} = 63\%$$

River Name: Bain	Section Code: BAIN 012	Grid Refs: TF 23227484 TF 23467430	Survey Date: 12/8/94	Surveyor: S. Dunn
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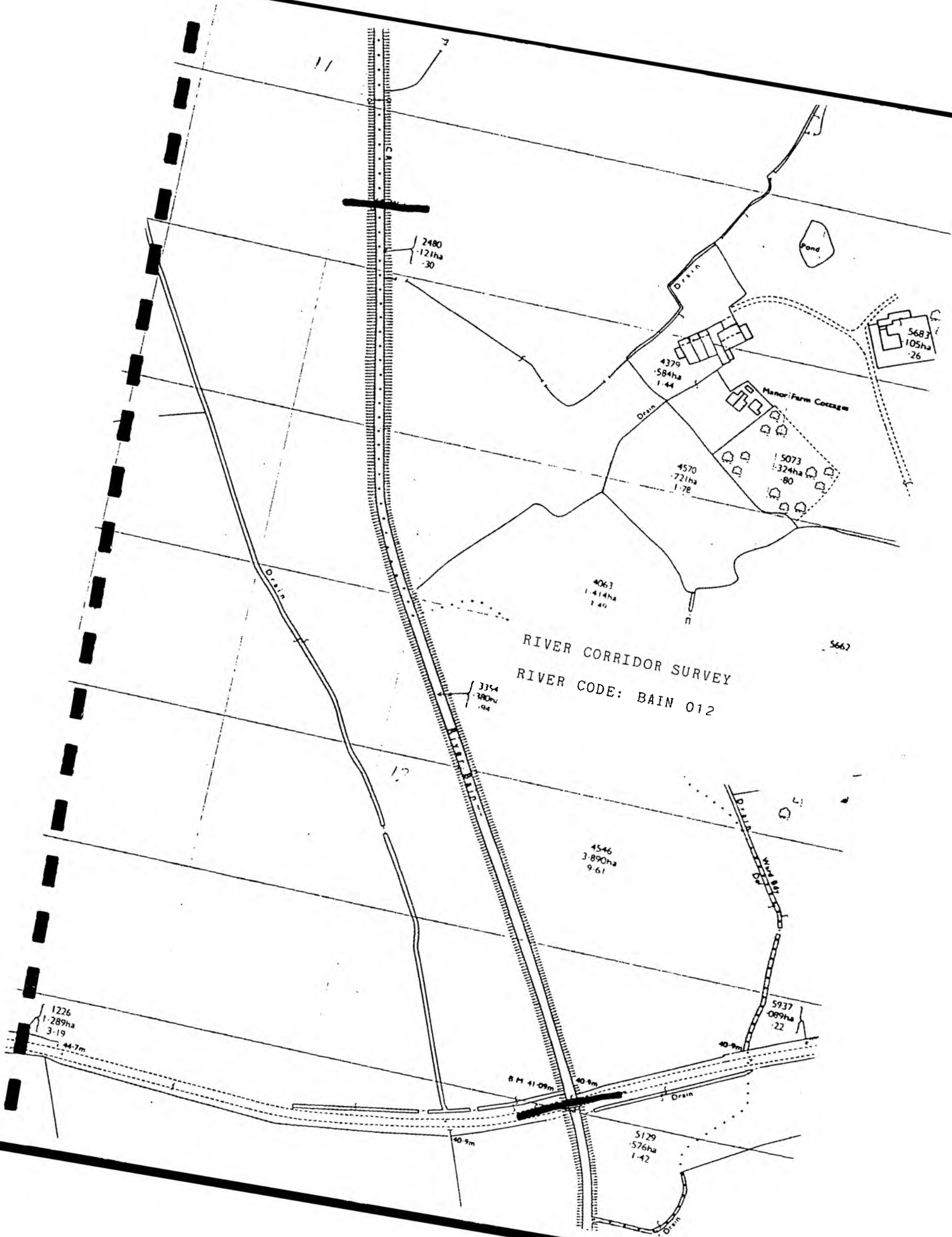


Physical and Habitat Data

River Section No: BAIN 012

Date: 12/8/1994

	Feature	Section Data	Input
1	Riffles		C
2	Pools		C
3	Cliffs		O
4	Berms		C
5	Meanders		C
6	Riparian Strip Left Bank - % Length	0 %	A
7	Riparian Strip Right Bank - % Length	0 %	A
8	Trapezoidal Channel	(Y)N	Y
9	Land Use - Left Bank	(A).G.W.S.H.I.L.SG.(C).RG	A
10	Land Use - Right Bank	(A).G.W.S.H.I.L.SG.IG.RG	A
11	Trees - Dense	L/R	E D
12	Trees - Scattered	L/R	D
13	Scrub - Dense	L/R	U
14	Scrub - Scattered	L/R	D
15	Emergent Fringe - Left Bank % Length	0 %	Y
	Emergent Fringe - Right Bank % Length	10 %	



RIVER CORRIDOR SURVEY
RIVER CODE: BAIN 012

2480
121ha
30

4379
584ha
1.44

5683
105ha
26

5073
324ha
80

4570
721ha
1.78

4063
1.414ha
1.40

3354
280ha
94

4546
3.890ha
9.61

5937
089ha
22

5129
576ha
1.42

1226
1.289ha
3.19

BM 41-09m

40.9m

40.9m

44.7m

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

CONSULTANTS
River BAN
Section 013
Auditor C. Guthrie

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

impossible to assess due to recent dredging

Flow and current features

Poor - weirs, riffles and pools omitted.

Substrate and physical features

Poor - weirs, riffles and pools omitted. - substrate mentioned in text

MARGINAL ZONE

Plant communities

Impossible to assess due to recent dredging.

Substrate and Physical features

impossible to assess due to recent dredging

BANK ZONE

Trees

Poor - LB scrub is on bank top not set back, scattered scrub is depicted as trees, species names omitted from trees and scrub.

Other plant communities

Adequate - open vegetation symbol Φ is used in place of φ

Physical features

Poor - variation in bank height to LB in m/s is not recorded

ADJACENT LAND USE

Land use

Poor - road to RB top is omitted, no species recorded for semi-improved grassland.

Habitat types

Poor - no species recorded for semi-improved grassland.

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



Variation in LB bank height is not recorded.
Adequate.

4. SUMMARY DESCRIPTION

Conditions



Typical features

Poor - the channel is not meandering. The description omits to mention morphological features - substrate of gravel not recorded - flow clear

Marginal Vegetation LB & RB

Adequate - no mention of Ranunculus sp v/s or Festucalis antipyretica.

Banks LB & RB

Poor - LB v/s is dominated by scattered Corn, not trees. - Hedge is not on bank top
RD depicted on maps as tall herbs v/s not short grass as stated. BV is set back.

Adjacent landuse LB & RB

Poor - no mention of species to SIG. Road omitted to right bank top.

Fauna

Adequate - fish!

Recreation

Good N/A

Existing Management

Poor - None recorded.

Threats

Good - None recorded

Suggested habitat improvement

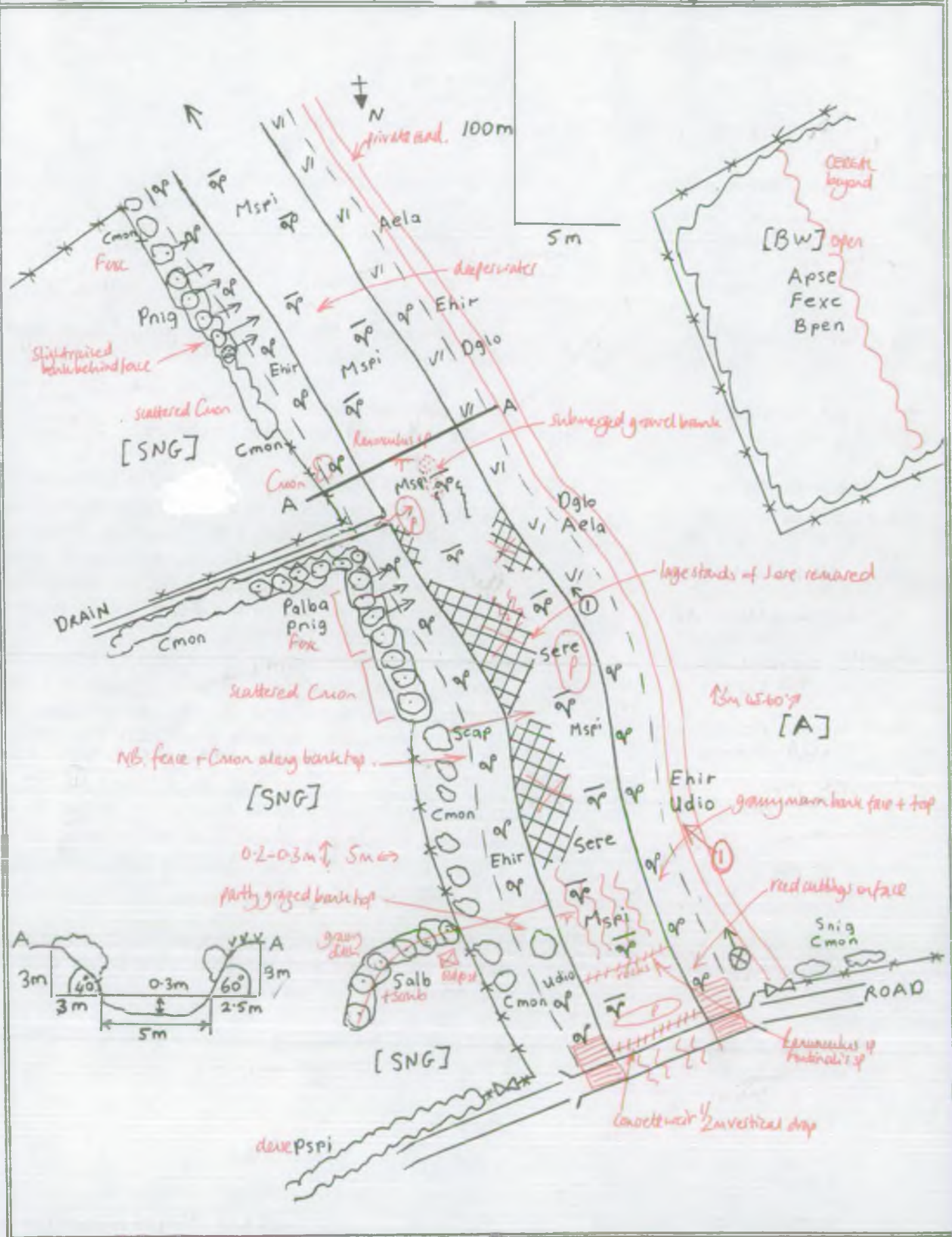
Poor - None

6. GENERAL NOTES AND ASSESSMENT

A poorly surveyed easy section. Major inchannel features such as weirs + riffles have been omitted. The bank vegetation to the left is poorly recorded and inaccurately described. A road has been omitted from the right bank.

$$\frac{25}{51} = 49\%$$

River Name:	Section Code:	Grid Refs:	Survey Date:	Surveyor:
BAIN	BAIN 013	TF 2346 7430 TF 2368 7384	12-8-94	G. WALLACE



DATE: 12 August 1994

CODE: BAIN 013

CONDITIONS

Cloudy and windy. Surveyed from right bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- | | | |
|-----|--------------|---|
| i | Broad nature | A meandering trapedzoidal channel with moderate flow. |
| ii | Dimensions | 4-6m wide and 0.1-1m deep. |
| iii | Substrate | Mud, silt and cobbles. <i>gravel/silt clear fast flow</i> |
| iv | Bank type | Both banks are earth and well vegetated, 2-3.5m high with 40°-65° slopes. |

LAND USE

- | | |
|----|--|
| LS | Semi-improved pasture. |
| RS | Arable and mixed broadleaved woodland. |

BANK
VEGETATION

- | | |
|----|--|
| LB | Upstream and midsection are dominated by a mixture of <i>Populus alba</i> , <i>Populus nigra</i> and <i>Crataegus monogyna</i> with a herb layer dominated by <i>Epilobium hirsutum</i> . Downstream is dominated by <i>Crataegus monogyna</i> with some <i>Salix alba</i> and a ground layer dominated by <i>Epilobium hirsutum</i> and <i>Urtica dioica</i> with a <i>Prunus spinosa</i> hedge at the start of the section. |
| RB | Upstream and midsection are dominated by a mixture of short grasses including <i>Dactylis glomerata</i> and <i>Arrhenatherum elatius</i> with the occasional stand of <i>Epilobium hirsutum</i> . Adjacent to midsection is an area of broadleaved woodland dominated by <i>Acer pseudoplatanus</i> , <i>Fraxinus excelsior</i> and <i>Betula pendula</i> . Downstream is dominated by dense stands of <i>Epilobium hirsutum</i> and <i>Urtica dioica</i> with the remnant of a <i>Crataegus monogyna</i> , <i>Sambucus nigra</i> hedge at the start of the section. |

CHANNEL
VEGETATION

Midsection and downstream are dominated by dense stands of *Sparganium erectum* with *Myriophyllum spicatum* dominating throughout the channel.

FEATURES OF
INTEREST

None.

THREATS

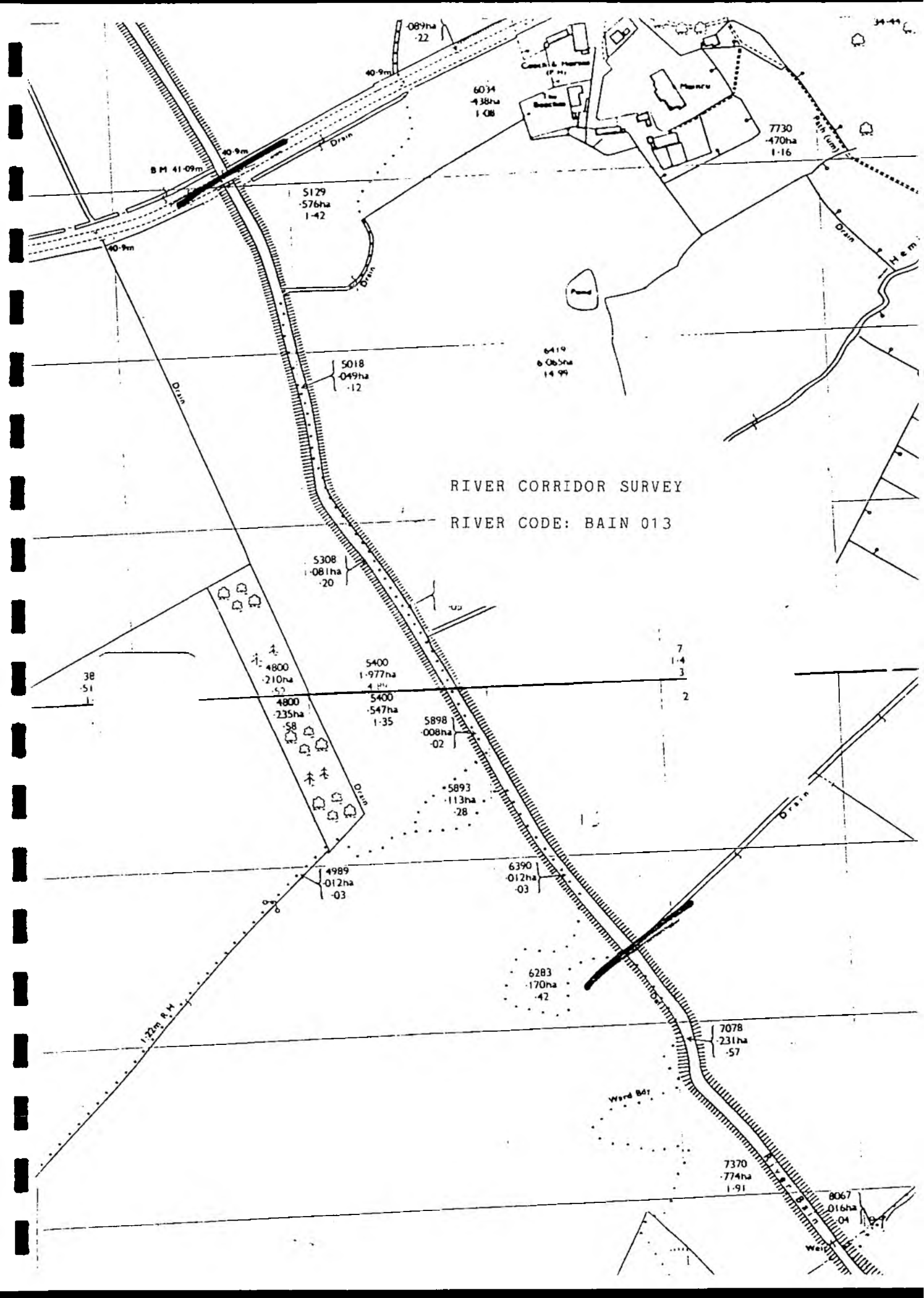
None.

FAUNA

Fish and chub.

NUMBER OF SPECIES
RECORDED

28.



RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River Bain
Section 0.14
Auditor G. Guthrie

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Impossible to assess as recently dredged

Flow and current features

Poor - riffles + pools omitted. - river drawn over wide.

Substrate and physical features

Adequate -

MARGINAL ZONE

Plant communities

Impossible to assess as recently dredged

Substrate and Physical features

Impossible to assess as recently dredged.

BANK ZONE

Trees

Adequate - a number of trees have been omitted. Single shrub symbol used for areas of scrub.

Other plant communities

Adequate - open vegetation symbol used in place of tall herb symbol & emergent vegetation on lower bank not recorded.

Physical features

Poor - bank top fence omitted, reinforced areas not recorded. variation in bank height & angle not recorded.

ADJACENT LAND USE

Land use

Adequate - fence, ditch & track to RB omitted.

Habitat types

Adequate - no species given for LB SNA

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



Variation in bank height from 0.2m - 6m + in steepness
Adequate

4. SUMMARY DESCRIPTION

Conditions

☐

- None available.

Typical features

- none supplied -

Marginal Vegetation LB & RB

Banks LB & RB

Adjacent landuse LB & RB

Fauna

Recreation

Existing Management

Threats

Suggested habitat improvement

6. GENERAL NOTES AND ASSESSMENT

An adequately survey section. let down by omissions of in channel features + bank + adjacent land features

$$\frac{22}{32} = 69\%$$

River Name: BAIN	Section Code: BAIN 014	Grid Refs: TF 2368 7386 TF 2395 7349	Survey Date: 12-8-94	Surveyor: G. WALLACE
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Physical and Habitat Data

River Section No: EAN 014

Date: 12/8/1994

	Feature	Section Data	Input
1	Riffles		2
2	Pools		0
3	Cliffs		0
4	Berms		0
5	Meanders		43
6	Riparian Strip Left Bank - % Length	0 %	A
7	Riparian Strip Right Bank - % Length	25 %	A
8	Trapezoidal Channel	Y/N	Y
9	Land Use - Left Bank	A.G.W.S.H.I.L.SG.IG.RG	SG
10	Land Use - Right Bank	A.G.W.S.H.I.L.SG.IG.RG	A
11	Trees - Dense	L/R	L
12	Trees - Scattered	L/R	U
13	Scrub - Dense	L/R	U
14	Scrub - Scattered	L/R	D
15	Emergent Fringe - Left Bank % Length	60 %	Y
	Emergent Fringe - Right Bank % Length	25 %	



RCS - Nene 150-154. + photos + disc

Long 0° 35' W

NORTHAMPTONSHIRE 30' CAMBRIDGESHIRE

Uncle
17 km or 10 miles

99 Welland & Nene R.D.

Great Ouse R.D.

95

96

97

98

00

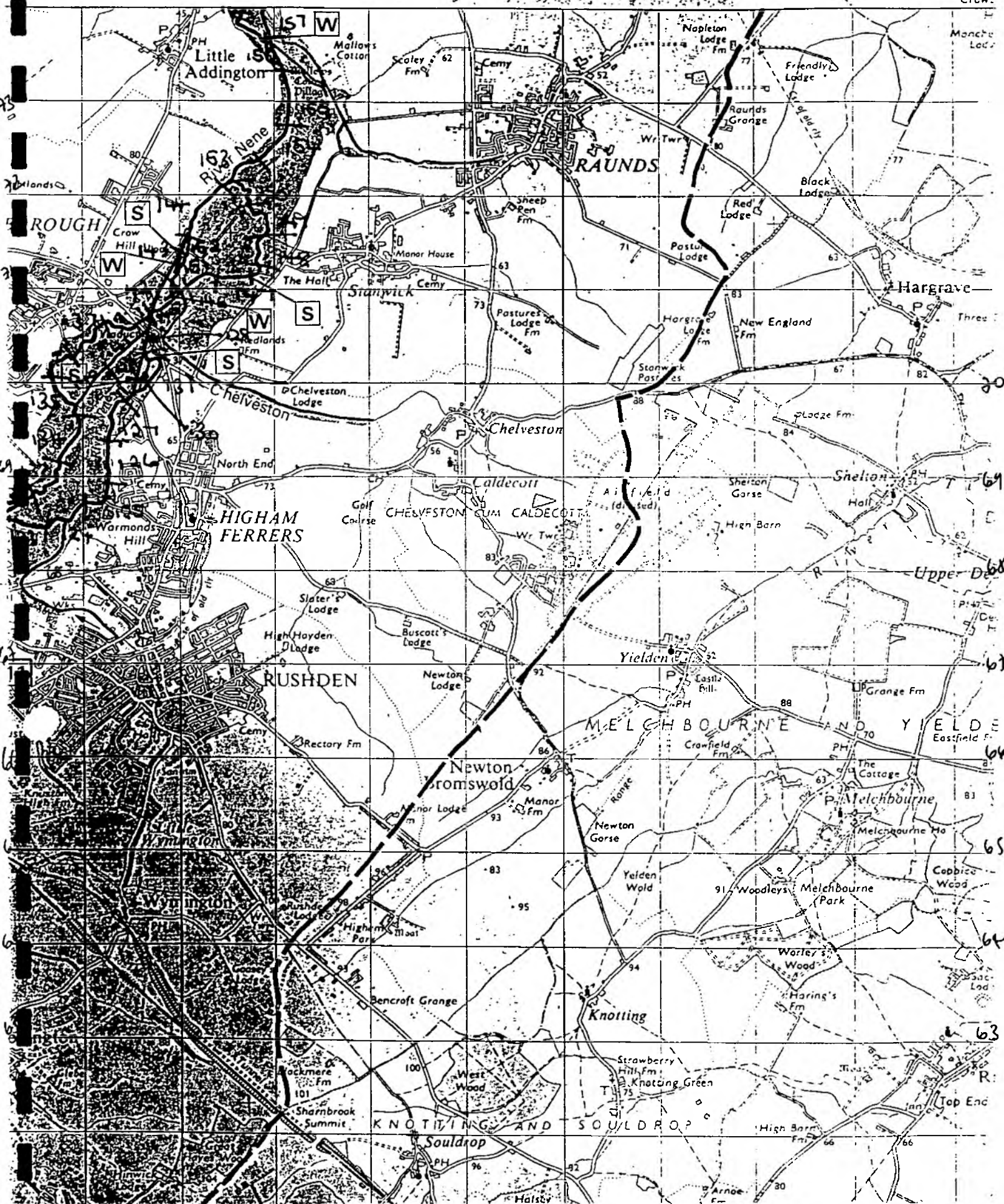
01

02

0.03

04

4 Crews



RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River NEKE
 Section 130
 Auditor C. Guthrie

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Good - no real problems -

Flow and current features

Poor/Adequate - any information is in description, not on maps

Substrate and physical features

Poor/Adequate - recorded in description but not on maps.

MARGINAL ZONE

Plant communities

Poor - well recorded in terms of distribution but prominent species missing
 eg. Slac. from maps & list

Substrate and Physical features

Good - few features to record

BANK ZONE

Trees

Good - recent works probably not done at time of survey.

Other plant communities

Good - open plant symbol used & in place of & tall herb symbol

Physical features

Poor - erosion cliffs omitted but hard to see at time of survey.

ADJACENT LAND USE

Land use

Adequate - lake to RB not recorded. No species given for SNQ

Habitat types

Adequate - no species given for SNQ.

3. CROSS SECTIONS

Width of water
filled channel



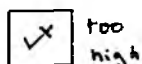
Depth of water



Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



Bank height stated as too high even at low summer flows - channel width is underestimated.

Poor

4. SUMMARY DESCRIPTION

Conditions



Typical features

Adequate - very short.

Marginal Vegetation LB & RB

Poor - omits species of note eg S lac + includes C flacca! -

Banks LB & RB

Poor / Adequate - banks confused - LB has no scrub D/S. - d/s + u/s confused.

Adjacent landuse LB & RB

Adequate - lake set back from RB not included.

Fauna

Good recorded. relevant species

Recreation

Good. N/A

Existing Management

Good - None recorded.

Threats

Good - None recorded

Suggested habitat improvement

Poor - None recorded.

6. GENERAL NOTES AND ASSESSMENT

An adequate survey let down by poor species recording with important emergent species omitted or wrong. Bank + channel dimensions are inaccurate. and the description confuses banks and u/s and d/s at times.

$$\frac{41}{51} = 80\%$$

$$\frac{31}{51} = 61\%$$

DATE: 5 September 1994

CODE: NENE 150

Ecosurveys Ltd

CONDITIONS

Cloudy and breezy. Surveyed from right bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- i Broad nature A meandering trapezoidal channel with moderate flow.
- ii Dimensions 8-14m wide and 0.3-1m deep.
- iii Substrate Mud, silt, pebbles and stones.
- iv Bank type Both banks are high and well vegetated, 2-2.7m high with 50°-85° slopes.

LAND USE

- LS Semi-improved pasture, gravel pit and scrub dominated land.
- RS Semi-improved pasture.

BANK VEGETATION

- LB Most of the section is dominated by abundant *Urtica dioica*, *Epilobium hirsutum* and frequent *Cirsium vulgare* and *Impatiens glandulifera* with the section ending in abundant *Crataegus monogyna* hedge and *Salix* sp and *Sambucus nigra* scrub.
- RB The start of the section is dominated by abundant stands of *Urtica dioica* and *Epilobium hirsutum* with saplings of *Populus nigra*, *Fraxinus excelsior* and *Salix* sp. Occasional *Sambucus nigra* and abundant stands of *Urtica dioica* dominate the midsection with the remaining upper section dominated by abundant *Urtica dioica*, *Dactylis glomerata* and *Crataegus monogyna* with saplings of *Alnus glutinosa*, *Populus nigra* and *Salix* sp.

CHANNEL VEGETATION

Both sides of the channel are partly fringed with frequent *Glyceria maxima*, *Sparganium erectum*, *Phalaris arundinacea*, *Carex flacca* and occasional *Typha latifolia*. The channel contains frequent *Potamogeton pectinatus*, occasional *Sagittaria sagittifolia* and rare *Nuphar lutea*.

FEATURES OF INTEREST

None.

THREATS

None.

FAUNA

Coot, lapwing and greylag goose. Blue damselfly. Darter and Emperor dragonflies.

NUMBER OF SPECIES RECORDED

33.

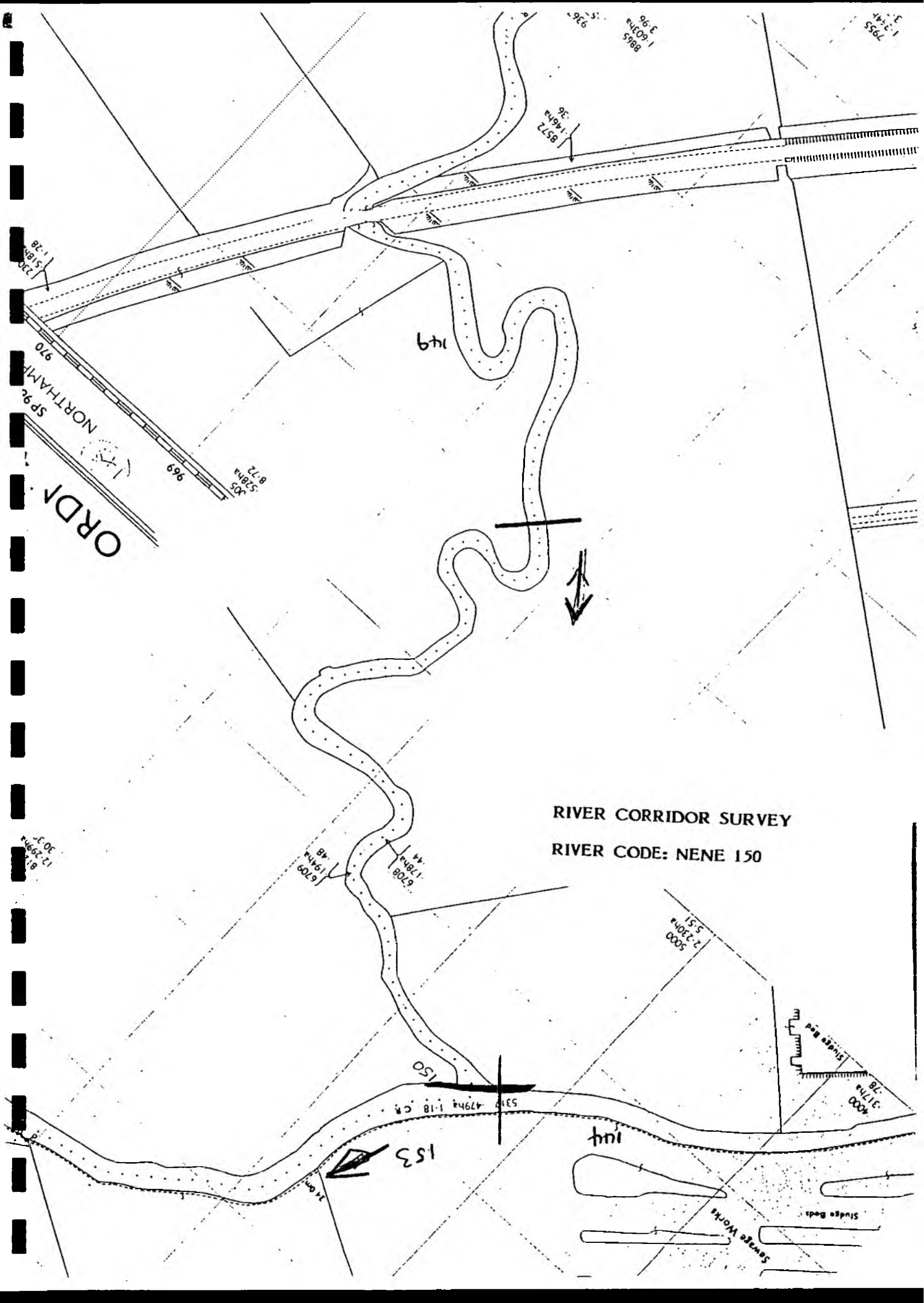
Asple	adi	87	Annop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
	mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
	rut	89	Anaga	arv	175	Calys	pul	262	Circ	x int	349		tet	438	Helia	num
4	tri	90		ten	P 176		sep	263		lut	350	Erige	ace	439	Helle	foe
	tri	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
	vir	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
8	Athyr	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		sph
9	Blech	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
	lun	95	Anten	dio	181	rapunculo		268		hel	355		vag	444	Hiera	agg
	Ceter	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
	off	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
12	Crypt	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	cha
13	Cysto	99	Anthr	syl	185	Carda	ama	272	Clino	vul	359	Erysi	che	448	Hippu	vul
14	Dipha	100	Anthy	vul	186		fle	273	Cochl	ang	360	Eucory	eur	449	Holcu	lan
	Dryop	101	Aphan	*arv	187		hir	274		dan	361	Eupat	can	450		mol
		102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	pep
		103		mic	189		pra	276		off	363		exi	452	Horde	mur
18		104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
19		105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
20	Equis	106		nod	192		nut	279	Coniu	mac	366	peplus		455	Hyaci	non
		107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
22		108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23	palust	109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
		110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
		111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
		112	min	min	198		cur	285		squ	372	*ovina		461		hum
27	Gymno	113	min	nem	199		dem	286	Coryd	cla	373		pra	462		mac
28	er	114	Arena	*ser	200		dia	287		lut	374	*rubra		463		mon
	ymen	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
	luc	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
	luc	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
32	Ophio	118	Arrhe	ela	204		ech	291	Crata	mon	378	Filip	ulm	467	Hypoc	rad
33	Oreop	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	aqu
	Osmun	120		mar	206		ext	293	Crepi	bie	380	Foeni	vul	F 469	Impat	gla
	Phego	121		vul	207		flacca	294		cap	381	Praga	ves	470		nol
36	Phyll	122	Arum	mac	208		hir	295		pal	382	Prang	aln	471		par
37	Polyp	123	Asper	cyn	209		hos	296		ves	383	Praxi	exc	472	Inula	con
		124	Ast*now-b		210		lae	297	Crypt	jap	384	Pumar	mur	473	Iris	foe
		125		tri	211		las	298	Cymba	mur	385		off	474		pee
41	Polys	126	Astra	dan	212		lep	299	Cynos	off	386	Galan	niv	475	Isole	set
42		127		gly	213	mur	laq	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
		128	Atrip	gla	214		nig	301	Cytis	sco	388		spe	477	Junc	acoti
		129		lac	215		otr	302	Dacty	glo	389		*tet	478		art
44	Selag	130		lit	216		ova	303	Dacty	fuc	390		tet	479		*buf
45	Abies	131		pat	217		pal	304		inc	391	Galini	cil	480		buf
46		132		pro	218		panicea	305		mac	392		par	481		*bul
47		133	Atrop	bel	219		panicula	306		pra	393	Galii	apa	482		bul
48	Acer	134	Avena	fat	220		pen	307		pur	394		cru	483		conglu
49		135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		eff
50		136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
51	Achil	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
52		138	Ballo	nig	224		ren	311	Desch	ces	398		odorat	487		koc
53	Acino	139	Barba	int	225		rip	312		fle	399		*pal	488		mar
54	*coni	140		ver	226		rostra	313	Desma	mar	400		pal	489		squ
55	oru	141		vul	227		ser	314		rig	401		saxat	490		subnod
56	Adoxa	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
57	Aegop	143	Berbe	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
58	Aescu	144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	ela
59	Aethu	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
60	Agrim	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	agg
61		147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
62	Agros	148	Biden	cer	234	Catab	aqu	321	Draba	inc	408		cam	497	Lamia	gal
63		149		tri	235	Centa	mon	322	Drose	int	409	Geran	col	498	Lamio	alb
64		150	Black	per	236		nig	323		rot	410		dis	499		amp
65		151	Blysm	com	237		sca	324	Echiu	vul	411		end	500		hyb
66		152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
67		153		syl	239		pul	326		mul	413		molle	502		pur
68	Aira	154	Brass	nap	240	Centr	rub	327		palust	414		pha	503	Lapsa	com
69		155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
70	Ajuga	156		rap	242		dif	329		uni	416		pus	505		x
71	Alche	157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		kae
72	fil	158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	squ
73	fil	159		ere	245		sem	332		nut	419		san	508	Lathy	mon
74		160	hor	hor	246		com	333	Elymu	can	420		syl	509		pra
75		161		fam	247	Chaen	min	334		far	421	Geum	x int	510		syl
76	Alism	162		ste	248	Chaer	tem	335		pyc	422		riv	511	Lemna	gib
77	Allia	163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		minor
78	Alliu	164	Buddl	dav	250	Chame	ang	337	Empet	nig	424	Glauc	fla	513		pol
79		165	Butom	umb	251	Cheli	maj	338	Epilo	bru	425	Glaux	mar	514		tri
80		166	Cakil	mar	252		alb	339		cil	426	Glech	hed	515	Leont	aut
81		167	Cala	can	253		bon	340		hir	427	Glyce	dec	516		his
82	Alnus	168		epi	254	Chene	mur	341		montan	428		flu	517		tar
83	Alope	169	Calli	agg	255		pol	342		obs	F 429		max	518	Lepid	cam
84		170		han	256		rub	343		pal	430		x ped	519		het
85		171		obt	257	Chrys	seg	344		par	431		pli	520		rud
86		172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	vul
					259		opp	346		tet	433		uli	522	Leymu	are
											434	Groen	den			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	781	Rumex	*ace*	868	Solid	can	955	Valer	dio
524		vul	613	Oenan	aqu	695		ber	782		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	783		acetosa	870		vir	957	Valer	loc
526	Limon	vul	615		fis	697		gra	784		con	871	Sonch	arv	958	Verba	n
527	Linar	pur	616		lac	698		luc	785		crispus	872		asp	959		th
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ole	960	Verbe	ori
529		vul	618		ery	700		obt	787		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701	F	pectin	788		obt	875		auc	962		an
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		a
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	ang	964		bu
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		eme	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	F	879		ere	966	chamae
535	Loliu	mul	624	Orchi	mas	706		ans	793		ape		880		min	967	
536		per	625		mor	707		arg	794		ere		881	Spart	ang	968	
537	Lonic	per	626	Origa	vul	708		erecta	795		mar		882	Sperg	arv	969	hed
538	Lotus	cor	627	Ornit	umb	709		pal	796		nod		883	Sperg	mari	970	hed
539		uli	628	Ornit	per	710		rep	797	Sagit	sag		884		med	971	
540	Lunar	ann	629	Oxali	ace	711		ste	798	Salic	agg		885		rub	972	
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	Salix	alb		886	Spira	agg	973	
542	Luzul	cam	631		dub	713		ver	800		aur		887	Stach	arv	974	pers
543		mul	632		rho	714		vul	801		cap		888		x	975	pos
544		pil	633		som	715		vu x ve	802		cin	ole	889		off	976	scu
545		syl	634	Parap	str	716	Prune	vul	803		fra		890		pal	977	ser
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen		891		syl	978	on
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy		892	Stell	als	979	cia
548		chi	637	Parna	pal	719		dom	806		pur		893		gra	980	hir
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens		894		hol	981	let
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri		895		*med	982	sat
551		num	640		syl	722		spi	809		vim		896		med	983	sat
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	kal		897		neg	984	sep
553		vul	642	Eetas	alb	724	Pucci	dis	811	Sanbu	ebu		898		nem	985	syl
554	Lythr	por	643		fra	725		mar	812		nig		899	Suaed	mar	986	
555		sal	644		hyb	726	Pulic	dys	813	Samol	val		900	Succi	pra	987	Vinca
556	Mahon	aqu	645	Phala	aru	727	Pulmo	off	814	Sangu	min		901	Symph	riv	988	
557	Malus	syl	646		can	728	Pyrol	min	815		off		902	Symph	off	989	Viola
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur		903		x	990	can
559		neg	648		pra	730	Querc	cer	817	Sapon	off		904	Syrin	vul	991	
560		syl	649		ber	731		ile	818	Saxif	gra		905	Tamus	com	992	
561	Marru	vul	650		pra	732		pet	819		hyp		906	Tanac	par	993	odolat
562	Matri	mat	651	Phrag	aus	733		rob	820		ste		907		vul	994	pal
563		rec	652	Picea	abi	734	Ranun	acr	821		tri		908	Tarax	agg	995	ai
564	Mecon	cam	653		sit	735		*aqu	822	spa x	umb		909	Taxus	bac	996	v
565	Medic	ara	654	Picri	ech	736		aqu	823	Scabi	col		910	Teu	scoro	997	tri
566		lup	655		hie	737		aur	824	Schoe	lac		911	Thali	fla	998	Viscu
567	sat	sat	656	Pimpi	maj	738		bulbo	825		tab		912		min	999	Vulpr
568	Melam	pra	657		sax	739		cir	826	Schoe	nig		913	Thlas	arv	1000	
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar		914	Thuja	pli	1001	Wahle
570		uni	659	Pinus	con	741		fic	828		syl		915	Thymu	pra	1002	Zanni
571	Melil	alb	660		nig	742		fic	829	Scler	ann		916	Tilia	cor	1003	Popul
572		alt	661		syl	743		fla	830	Scrop	aur		917		x	1004	Tilia
573		off	662	Plant	cor	744		hed	831		nod		918	Toril	jap	1005	Cerat
574	Menth	aqu	663		lan	745		lingua	832		umb		919		nod	1006	Amara
575		arv	664		maj	746		omi	833	Scute	gal		920	Trago	pra	1007	Salix
576	x	pip	665		mar	747		pel	834		min		921	Trich	ces	1008	Ranun
577	x	ver	666		med	748		pen	835	Sedum	acr		922	Trifo	arv	1009	Poa
578	x	vil	667	Plata	bif	749		repens	836		alb		923		cam	1010	Helia
579	Menya	tri	668		chl	750		sce	837		ang		924		dub	1011	Hel'
580	Mercu	per	669	Poa	ann	751		tric	838		ref		925		fra	1012	Ank
581	Miliu	eff	670		com	752	Rapha	rap	839		rosea		926		hyb	1013	Oenot
582	Mimul	agg	671		nemor	753	Resed	lut	840		tei		927		medium	1014	Galiu
583	Moehr	tri	672		*pra	754		luteola	841	Senpe	tec		928		mic	1015	Galiu
584	Molin	cae	673		pra	755	Reyno	jap	842	Senec	aqu		929		pra	1016	Bromu
585	Monti	fon	674		sub	756		sac	843		eru		930		rep	1017	Menth
586		per	675		tri	757	Rhamn	cat	844		jac		931	Trigl	mar	1018	Anthr
587		sib	676	Polyg	ser	758	Rhin	*min	845		squ		932		pal	1019	Chara
588	Mycel	mur	677		vul	759	Rhodo	pon	846		syl		933	Tripl	ino	1020	Stell
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vis		934		mar	1021	Hotto
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul		935	Trise	fla	1022	Alism
591		lax	680		are	762		nig	849	vul f	lig		936	Trit x	cro	1023	Anchu
592		ram	681		*avi	763		rub	850	vul f	vul		937	Troll	eur	1024	Calli
593		scorp	682		avi	764		san	851	Serra	tin		938	Tsuga	het	1025	Calli
594		sec	683		bis	765		uva	852	Sesle	alb		939	Tussi	far	1026	Isati
595		syl	684		hydro	766	Rorip	amp	853	Shera	arv		940	Typha	ang	1027	Atrip
596	Myoso	aqu	685		lap	767		pal	854	Silau	sil		941		lat	1028	Rumex
597	Myric	gal	686		minus	768		syl	855	Silen	alba		942		eur	1029	Bromu
598	Myrio	alt	687		oxy	769	Rosa	agg	856		dio		943		gal	1030	Ulmus
599		spi	688		per	770		arv	857		mar		944		gla	1031	Fontin
600	Myrrh	odo	689		poly	771		*can	858		vul		945		pro	1032	Calam
601	Narci	pse	690	Popul	alb	772		pim	859	Silyb	mar		946	Umbil	rup	1033	Azo
602	Nardu	str	691		x canad	773		*rub	860	Sinap	alb		947	Urtic	dio	1034	Potam
603	Narth	oss	692		x canes	774		rugosa	861		arv		948		ure		
604	Nastu	mic	693		tre	775		*tom	862	Sison	amo		949		aus		
605		*off				776	Rubus	cae	863	Sisym	off		950		min		
606		off				777		cham	864		ori		951		vul		
607		o x m				778		*fru	865	Sium	lat		952	Vacci	myr		
608	Neott	nid				779		ida	866	Solan	dul		953		oxy		
609	Nepet	cat				780		sax	867		nig		954		vit		
610	Nupha	lut															
611	Nymph	alb															

Other Species:

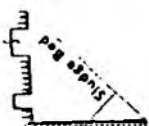
Total Number species Recorded:

33



RIVER CORRIDOR SURVEY

RIVER CODE: NENE 150



Sludge Beds

Sewage Works

153

147

150

5310 4794 1.18 CH

146

145

144

143

142

141

140

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118

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116

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114

113

ORDR

NORTHAMPTON

SP9

970

969

968

967

966

965

964

963

962

961

960

959

958

5000

2.230m

5.51

4000

3.17m

1.78

1.78

1.78

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Section Code: NENE 150



Photograph Number: 1

Ecosurveys Ltd

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River WENE
Section 151
Auditor C. G. P. M.

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Section totally re-engineered at time of audit.

Flow and current features

Poor/Adequate - no substrate or flow features mentioned - no flow stated in description

Substrate and physical features

Poor/Adequate - substrate mentioned in description only.

MARGINAL ZONE

Plant communities

Good ? - impossible to assess.

Substrate and Physical features

Adequate - substrate is mentioned in description

BANK ZONE

Trees

Impossible to assess

Other plant communities

Impossible to assess

Physical features

Impossible to assess

ADJACENT LAND USE

Land use

Adequate -

Habitat types

Adequate - no information given on species in SNA

3. CROSS SECTIONS

Width of water
filled channel

Depth of water

Water level relative
to top of bank

Bank height



Flood bank width



width



height



slope



landuse



Adequate Bank heights look too high from photographs.

4. SUMMARY DESCRIPTION

Conditions



Typical features

Adequate - too brief.

Marginal Vegetation LB & RB

Adequate - but few species recorded - may be good.

Banks LB & RB

Adequate - heights may be excessive

Adjacent landuse LB & RB

Adequate - no information on species of SNG given.

Fauna

Good

Recreation

Good - none recorded

Existing Management

Poor - None recorded

Threats

Good - None

Suggested habitat improvement

Poor - None recorded.

6. GENERAL NOTES AND ASSESSMENT

Impossible to assess due to re-engineering works. Appears to be adequate to good - but very few species recorded, + some symbols misused.

$$\frac{35}{51} = 69\%$$

DATE: 5 September 1994

CODE: NENE 151

Ecosurveys Ltd

CONDITIONS

Sunny and breezy. Surveyed from left bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- | | | |
|-----|--------------|---|
| i | Broad nature | A meandering trapezoidal channel with no flow. |
| ii | Dimensions | 4-6m wide and 0.2-0.5m deep. |
| iii | Substrate | Mud, silt, pebbles and stones. |
| iv | Bank type | Both banks are well vegetated, 1.6-2m high with 50° - 85° slopes. |

LAND USE

- | | |
|----|---|
| LS | Semi-improved pasture and excavated bare earth. |
| RS | Semi-improved pasture. |

BANK
VEGETATION

- | | |
|----|---|
| LB | Dominated by abundant stands of <i>Urtica dioica</i> , <i>Dactylis glomerata</i> and occasional <i>Impatiens glandulifera</i> . |
| RB | The lower section is dominated by abundant stands of <i>Urtica dioica</i> , <i>Dactylis glomerata</i> and <i>Salix</i> sp with the remaining section dominated by abundant stands of <i>Urtica dioica</i> and frequent <i>Dipsacus fullonum</i> . |

CHANNEL
VEGETATION

Both banks are partly fringed with abundant *Glyceria maxima*, while the channel contains frequent *Potamogeton pectinatus*.

FEATURES OF
INTEREST

None.

THREATS

None.

FAUNA

Kingfisher, heron, yellow wagtail, sedge warbler and kestrel.

NUMBER OF SPECIES
RECORDED

22.

RIVER:

Nene

SECTION NO:

151

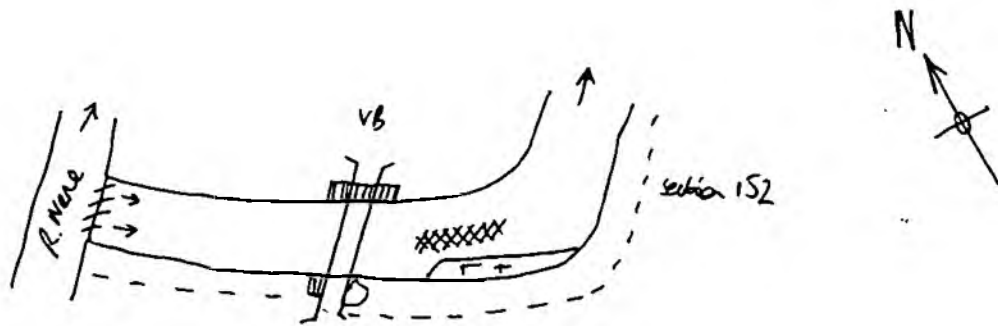
GRID REFS:

SURVEYOR:

CG

DATE:

9.3.95

[MAJOR EARTH
WORKS]

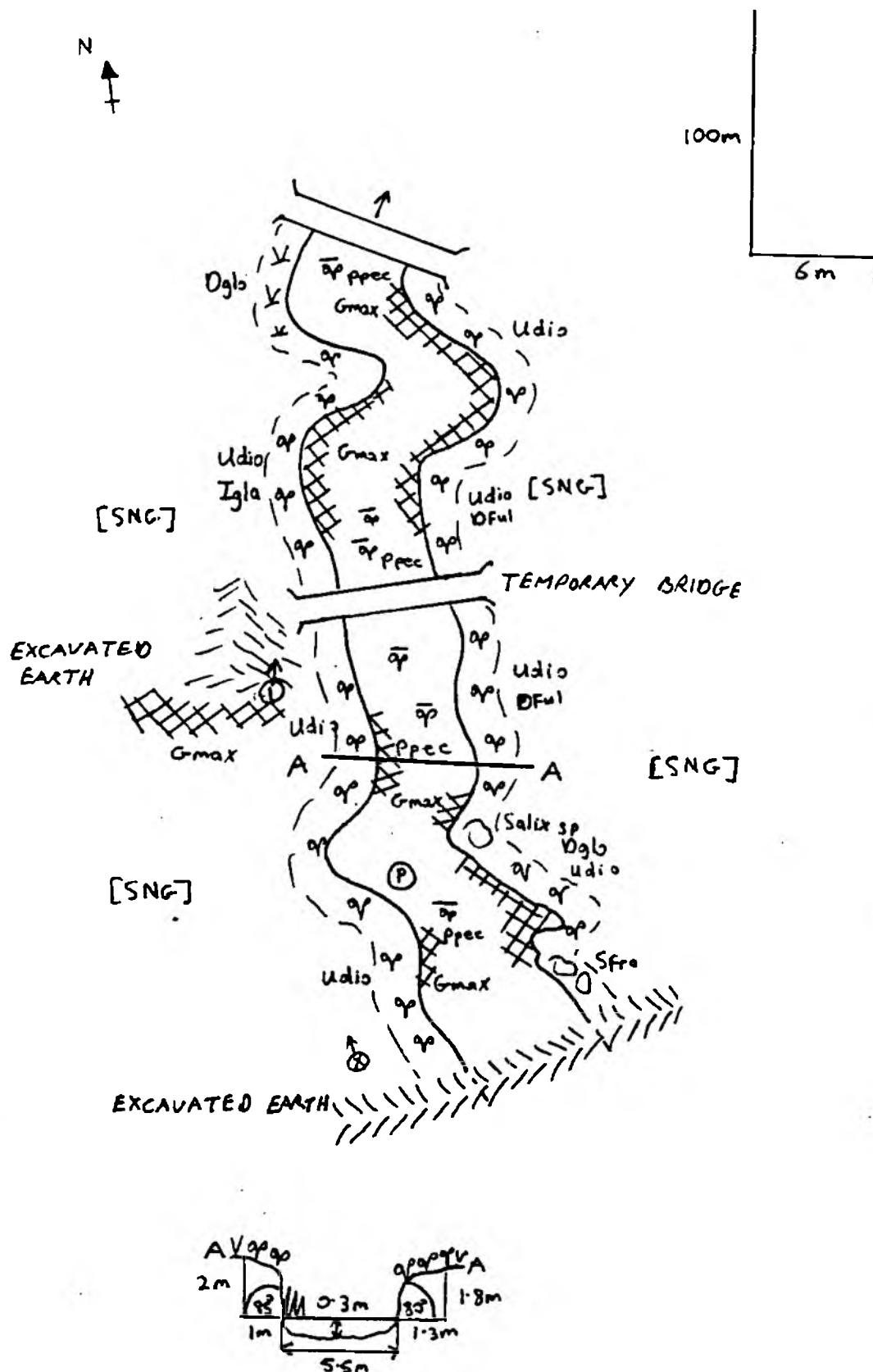
old path of channel.
Major engineering works
and earth movements.
Rough channel exists with
bare earth banks.

[MAJOR EARTH
WORKS]

R/S

LDA

River Name:	Section Code:	Grid Refs:	Survey Date:	Surveyor:
NENE	NENE 151	SP9592 7090 SP9595 7127	5-9-94	G. WALLACE



SECTION CODE NENE 151

DATES SURVEYED 5-9-94

SURVEYORS NAME G. WALLACE

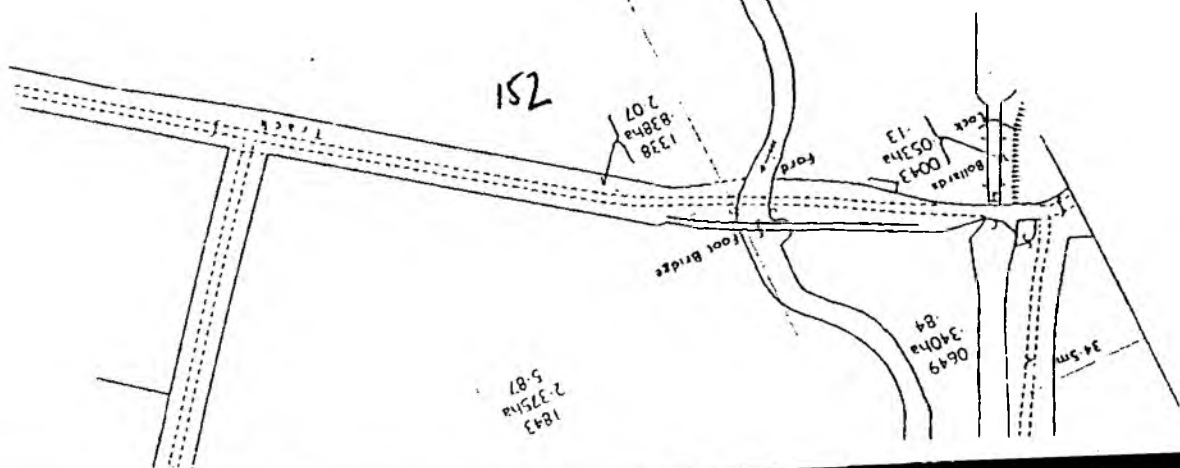
Asple	adi	87	Annop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
	mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
	rut	89	Anaga	arv	175	Calyx	pul	262	Circ x	int	349		tet	438	Helia	num
	tri	90		ten	176		scp	263		lut	350	Erige	ace	439	Helle	foe
	tri	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
	vir	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		sph
8	Athyr	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
9	Blech	95	Anten	dio	181	rapunculo		268		hel	355		vag	444	Hiera	agg
10	Botry	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
11	Ceter	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
12	Crypt	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	rha
13	Cysto	99	Anthr	syl	185	Carda	ama	272	Clino	vul	359	Erysi	che	448	Hippu	vul
14	Dipha	100	Anthy	vul	186		fle	273	Cochl	ang	360	Eumy	eur	449	Holcu	lan
15	Dryop	101	Aphan	arv	187		hir	274		dan	361	Eupat	can	450		mol
	car	102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	pep
	dil	103		mic	189		pra	276		off	363		exi	452	Horde	mur
18	fil	104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
	ore	105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
20	arv	106		nod	192		nut	279	Coniu	mac	366	peplus		455	Hyaci	non
21	flu	107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
22	hye	108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23	palust	109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
	syl	110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
	tel	111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
	var	112		min	198		cur	285		squ	372		*ovina	461		hum
27	dry	113		min	199		dem	286	Coryd	cla	373		pra	462		mac
28	er	114	Arena	*ser	200		dia	287		lut	374		*rubra	463		mon
	hymen	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
	Isoet	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
31	Lycop	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
32	Ophio	118	Arrhe	ela	204		ech	291	Crata	mon	378	Filip	ulm	467	Hypoc	rad
	Oreop	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	agu
	Osmun	120		mar	206		ext	293	Crepi	bie	380	Poeni	vul	469	Impat	gla
	Phego	121		vul	207		flacca	294		cap	381	Fraga	ves	470		nol
36	Phyll	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
37	Polyp	123	Asper	cyn	209		hos	296		ves	383	Fraxi	exc	472	Inula	con
	cam	124	Ast*nov-b		210		lae	297	Crypt	jap	384	Fumar	mur	473	Iris	foe
	int	125		tri	211		las	298	Cymba	mur	385		off	474		pse
	vul	126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
41	Polys	127		gly	213	mur	laq	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42		128	Atrip	gla	214		nig	301	Cytis	sco	388		spe	477	Junc	acuti
	Pterr	129		lac	215		otr	302	Dacty	glo	389		*tet	478		art
	Selag	130		lit	216		ova	303	Dacty	fuc	390		tet	479		*buf
45	Abies	131		pat	217		pal	304		inc	391	Galn	cil	480		buf
46		132		pro	218		panicea	305		mac	392		par	481		*bul
47		133	Atrop	bel	219		panicula	306		pra	393	Galiu	apa	482		bul
	Acer	134	Avena	fat	220		pen	307		pur	394		cru	483		congl
		135	Avena	pra	221		pil	308	Danth	dec	395		elo	484		eff
		136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
50		137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
51	Achil	138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		koc
		139	Barba	int	225		rip	312		file	399		*pal	488		mar
	Acino	140		ver	226		rostra	313	Desma	mar	400		pal	489		squ
55	loru	141		vul	227		ser	314		rig	401		saxat	490		subnod
56	Adoxa	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
	Aegop	143	Berbe	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
	Aescu	144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	ela
59	Aethu	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
60	Agrim	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	agg
61		147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
62	Agros	148	Biden	cer	234	Catab	agu	321	Draba	inc	408		cam	497	Lania	gal
		149		tri	235	Centa	mon	322	Drose	int	409	Geran	col	498	Lamiu	alb
64		150	Black	per	236		nig	323		rot	410		dis	499		amp
65		151	Blysm	com	237		sca	324	Echlu	vul	411		end	500		hyb
66		152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
67		153		syl	239		pul	326		mul	413		molle	502		pur
68	Aira	154	Brass	nap	240	Centr	rub	327		palust	414		pha	503	Lapsa	com
69		155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
70	Ajuga	156		rap	242		dif	329		uni	416		pus	505		x
71	Alche	157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		kae
72	fil	158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	squ
73	fil	159		ere	245		sem	332		nut	419		san	508	Lathy	mon
74		160		hor	246		tom	333	Elymu	can	420		syl	509		pra
75		161		ram	247	Chaen	min	334		far	421	Geum x	int	510		syl
76	Alism	162		ste	248	Chaer	tem	335		pyc	422		riv	511	Lemna	gib
77	Allia	163	Bryon	dio	249	Chana	law	336		rep	423		urb	512		minor
78	Alliu	164	Buddl	dav	250	Chame	ang	337	Empet	nig	424	Glauc	fla	513		pol
79		165	Butom	umb	251	Chell	maj	338	Epilo	bru	425	Glaux	mar	514		tri
80		166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	aut
81		167	Calu	can	253		bon	340		hir	427	Glyce	dec	516		his
82	Alnus	168		epi	254	Chene	mur	341		montan	428		flu	517		tar
83	Alope	169	Calli	agg	255		pol	342		obs	429		max	518	Lepid	can
84		170		han	256		rub	343		pal	430		x	519		het
85		171		obt	257	Chrys	seg	344		par	431		pli	520		rud
86		172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	vul
					259		opp	346		tet	433		uli	522	Leymu	are
											434	Groen	den			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	781	Rumex	*ace*	868	Solid	can	955	Valer	div
524		vul	613	Oenan	aqu	695		ber	782		ace	869		gig	956		off
525	Liliu	mar	614		cro	696		cri	783		acetosa	870		vir	957	Valer	loc
526	Limou	vul	615		fis	697		gra	784		con	871	Sonch	arv	958	Verba	na
527	Linar	pur	616		lac	698		luc	785		crispus	872		asp	959		th
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ole	960	Verbe	off
529		vul	618		ery	700		obt	787		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	788		obt	875		auc	962		an
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		an
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	ang	964		an
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		eme	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	879		ere	966		chamae
535	Loliu	mul	624	Orchi	mas	706		ans	793		ape	880		min	967		h
536		per	625		mor	707		arg	794		mar	881	Spart	ang	968		h
537	Lonic	per	626	Origa	vul	708		erecta	795		nod	882	Sperg	arv	969	hed	h
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mari	970	hed	luc
539		uli	628	Ornit	per	710		rep	797	Sagit	sag	884		med	971		mon
540	Lunar	ann	629	Oxali	ace	711		ste	798	Salic	agg	885		rub	972		o
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	Salix	alb	886	Spira	agg	973		pers
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		per
543		mul	632		rho	714		vul	801		cap	888		x	975		scu
544		pil	633		som	715		vu x ve	802		cin	889		off	976		ser
545		syl	634	Parap	str	716	Prune	vul	803		fra	890		pal	977	Vibur	o
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		syl	978		o
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	als	979	Vicia	cra
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hir
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		lat
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri	895		*med	982	sat	h
551		num	640		syl	722		spi	809		vim	896		med	983	sat	h
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	kal	897		neg	984		sep
553		vul	642	Betas	alb	724	Pucci	dis	811	Sambu	ebu	898		nem	985		syl
554	Lythr	por	643		fra	725		mar	812		nig	899	Suaed	mar	986		h
555		sal	644		hyb	726	Pulic	dys	813	Samol	val	900	Succi	pra	987	Vinca	h
556	Mahon	aqu	645	Phala	aru	727	Pulmo	off	814	Sangu	min	901	Symph	riv	988		h
557	Malus	syl	646		can	728	Pyrol	min	815		off	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903		x	990		can
559		neg	648		pra	730	Querc	cer	817	Sapon	off	904	Syrin	vul	991		h
560		syl	649		ber	731		ile	818	Saxif	gra	905	Tamus	com	992		h
561	Marru	vul	650		pra	732		pet	819		hyp	906	Tanac	par	993		odorat
562	Matri	mat	651	Phrag	aus	733		rob	820		ste	907		vul	994		pal
563		rec	652	Ricea	abi	734	Ranun	acr	821		tri	908	Tarax	agg	995		h
564	Mecon	cam	653		sit	735		*aqu	822		spa x umb	909	Taxus	bac	996		h
565	Medic	ara	654	Picri	ech	736		aqu	823	Scabi	col	910	Teu	scoro	997	tri	h
566		lup	655		hie	737		aur	824	Schoe	lac	911	Thali	fla	998	Viscu	h
567	sat	sat	656	Pimpi	maj	738		bulbo	825		tab	912		min	999	Vulpi	bro
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		h
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pli	1001	Wahle	h
570		uni	659	Pinus	con	741		fic	828		syl	915	Thymu	pra	1002	Zanni	h
571	Melil	alb	660		nig	742		fic	829	Scler	ann	916	Tilia	cor	1003	Popul	nig
572		alt	661		syl	743		Fla	830	Scrop	aur	917		x	1004	Tilia	pla
573		off	662	Plant	cor	744		hed	831		nod	918	Toril	jap	1005	Cerat	h
574	Menth	aqu	663		lan	745		lingua	832		umb	919		nod	1006	Anara	h
575		arv	664		maj	746		oni	833	Scute	gal	920	Trago	pra	1007	Salix	h
576	x	pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	flu
577	x	ver	666		med	748		pen	835	Sedum	acr	922	Trifo	arv	1009	Poa	angus
578	x	vil	667	Plata	bif	749		repens	836		alb	923		cam	1010	Helia	h
579	Menya	tri	668		chl	750		sce	837		ang	924		dub	1011	Hel	h
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	An	h
581	Miliu	eff	670		com	752	Rapha	rap	839		rosea	926		hyb	1013	Oenot	st:
582	Mimul	agg	671		nemor	753	Resed	lut	840		tel	927		medium	1014	Galiu	h
583	Moehr	tri	672		*pra	754		luteola	841	Senpe	tec	928		mic	1015	Galiu	h
584	Molin	cae	673		pra	755	Reyno	jap	842	Senec	aqu	929		pra	1016	Bromu	h
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	h
586		per	675		tri	757	Rhamn	cat	844		jac	931	Trigl	mar	1018	Anthr	ca
587		sib	676	Polyg	ser	758	Rhin	*min	845		squ	932		pal	1019	Chara	h
588	Mycel	mur	677		vul	759	Rhodo	pon	846		syl	933	Tripl	ino	1020	Stell	h
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vis	934		mar	1021	Hotto	h
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	fa
591		lax	680		are	762		nig	849	vul f	lig	936	Trit x	cro	1023	Anchu	of
592		ram	681		*avi	763		rub	850	vul f	vul	937	Troll	eur	1024	Calli	h
593		scorp	682		avi	764		san	851	Serra	tin	938	Tsuga	het	1025	Calli	h
594		sec	683		bis	765		uva	852	Sesle	alb	939	Tussi	far	1026	Isati	h
595		syl	684		hydro	766	Rorip	amp	853	Shera	arv	940	Typha	ang	1027	Atrip	sal
596	Myoso	aqu	685		lap	767		pal	854	Silau	sil	941		lat	1028	Rumex	pa
597	Myric	gal	686		minus	768		syl	855	Silen	alba	942		eur	1029	Bromu	h
598	Myrio	alt	687		oxy	769	Rosa	agg	856		dio	943		gal	1030	Ulmus	h
599		spi	688		per	770		arv	857		mar	944		gla	1031	Fontin	h
600	Myrrh	odo	689		poly	771		*can	858		vul	945		pro	1032	Calam	sy
601	Narci	pse	690	Popul	alb	772		pim	859	Silyb	mar	946	Umbil	rup	1033	Azo	fili
602	Nardu	str	691		x canad	773		*rub	860	Sinap	alb	947		dio	1034	Potam	h
603	Narth	oss	692		x canes	774		rugosa	861		arv	948		ure			
604	Nastu	mic	693		tre	775		*tom	862	Sison	amo	949		aus			
605		*off				776	Rubus	cae	863	Sisym	off	950		min			
606		off				777		cham	864		ori	951		vul			
607		o x m				778		*fru	865	Sium	lat	952	Vacci	myr			
608	Neott	nid				779		ida	866	Solan	dul	953		oxy			
609	Nepet	cat				780		sax	867		nig	954		vit			
610	Nupha	lut															
611	Nymph	alb															

Other Species:

Total Number species Recorded: 22

RIVER CORRIDOR SURVEY
RIVER CODE: NENE 151



Section Code: NENE 151



Photograph Number: \

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River NENE
 Section 152
 Auditor C. Goshie

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Good - generally well recorded - but wrong symbol used for vegetation
 - submerged macrophytes eg P. pae

Flow and current features

Poor/Adequate - flow stated in description.

Substrate and physical features

Poor/Adequate - substrate given in descriptions.

MARGINAL ZONE

Plant communities

Adequate - well mapped, but species not mapped well enough to show variation

Substrate and Physical features

Adequate - given in description.

BANK ZONE

Trees

Good - small areas of scrub left off + others unnamed. /// symbol not used for scrub.

Other plant communities

Adequate - wrong symbol used - should be go

Physical features

Adequate - extensive areas of erosion did not recorded - may not have been visible

ADJACENT LAND USE

Land use

Poor - wet species rich to LB omitted, fences omitted. Lake to LB d/s omitted.

Habitat types

Adequate - No species given for SNA even though wet.

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



Poor Width poorly estimated - bank heights excessive.

4. SUMMARY DESCRIPTION

Conditions



Typical features

Adequate - very brief.

Marginal Vegetation LB & RB

Adequate - doesn't state the Tint covers much of channel in places.

Banks LB & RB

Adequate - confusing - no description for LB v/s

Adjacent landuse LB & RB

Poor - adjacent wet area not recorded, Lake to RB d/s omitted
no species for SNG.

Fauna

Good - none recorded except butterfly -

Recreation

Good - footpath clearly mapped

Existing Management

Poor - none recorded

Threats

Good - none

Suggested habitat improvement

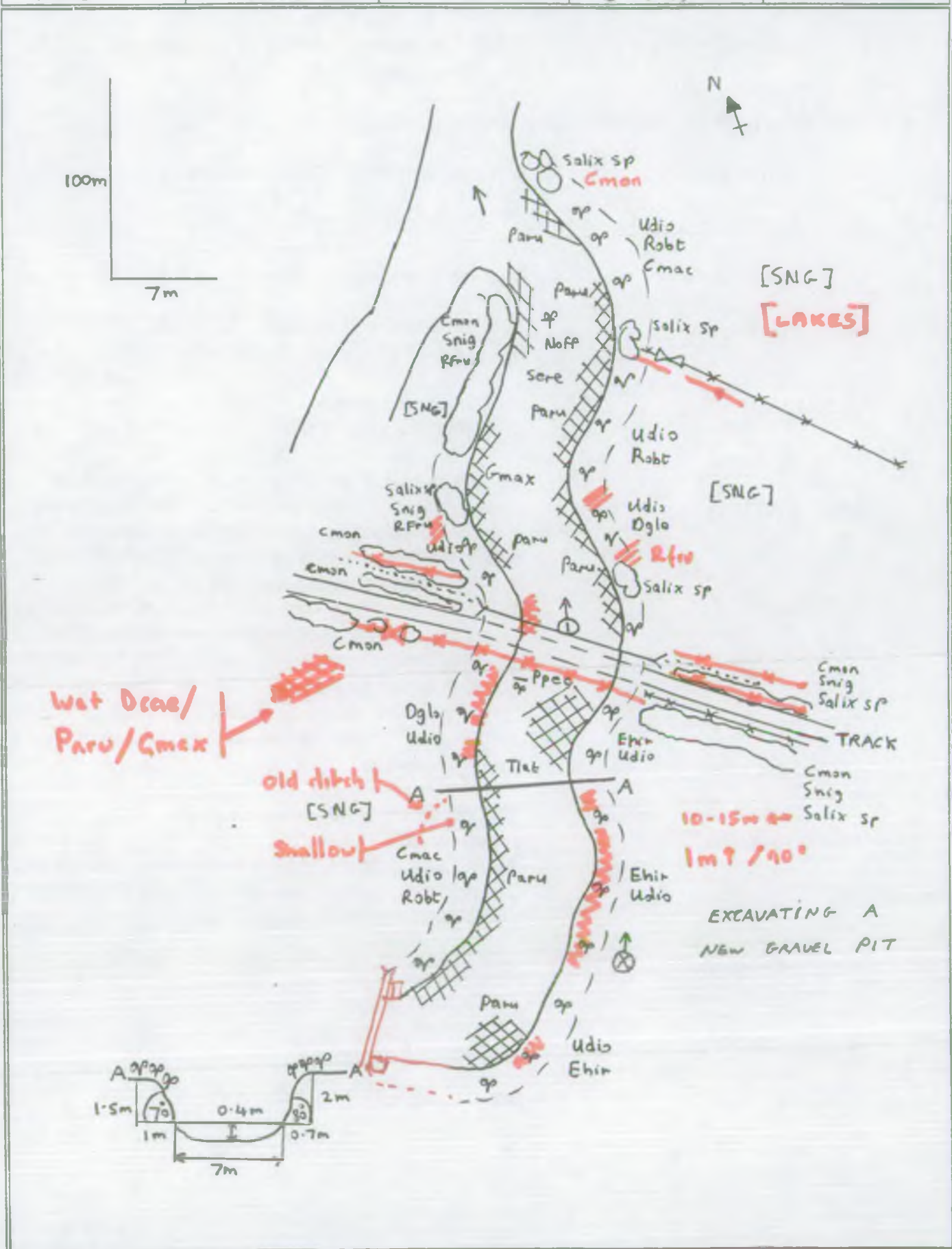
Poor - none recorded.

6. GENERAL NOTES AND ASSESSMENT

A reasonably well surveyed section, but with poorly recorded adjacent land. A wet area has been omitted. Very few species were recorded.

$$\frac{29}{51} = 57\%$$

River Name:	Section Code:	Grid Refs:	Survey Date:	Surveyor:
NENE	NENE 152	SP 9600 7124 SP 9610 7159	5-9-94	G. WALLACE



DATE: 5 September 1994

CODE: NENE 152

Ecosurveys Ltd

CONDITIONS

Sunny and breezy. Surveyed from footbridge. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- | | | |
|-----|--------------|---|
| i | Broad nature | A meandering trapezoidal channel with slow flow. |
| ii | Dimensions | 6-8m wide and 0.2-1m deep. |
| iii | Substrate | Mud, silt, pebbles and stones. |
| iv | Bank type | Both banks are well vegetated, 1.3-2.3m high with 50°-85° slopes. |

LAND USE

- | | |
|----|---|
| LS | Semi-improved pasture. |
| RS | Semi-improved pasture and excavated bare earth. |

**BANK
VEGETATION**

- | | |
|----|--|
| LB | The lower half is dominated by abundant stands of <i>Urtica dioica</i> , <i>Rumex obtusifolius</i> , <i>Dactylis glomerata</i> and frequent <i>Conium maculatum</i> . Abundant <i>Crataegus monogyna</i> hedgerow with frequent <i>Sambucus nigra</i> , <i>Salix</i> sp, <i>Rubus fruticosus</i> and stands of <i>Urtica dioica</i> . |
| RB | The lower section is dominated by abundant stands of <i>Urtica dioica</i> and <i>Epilobium hirsutum</i> which is followed by abundant <i>Crataegus monogyna</i> hedgerow with frequent <i>Sambucus nigra</i> and <i>Salix</i> sp. Abundant stands of <i>Urtica dioica</i> , <i>Rumex obtusifolius</i> , <i>Dactylis glomerata</i> and frequent <i>Conium maculatum</i> and <i>Salix</i> sp dominate the upper section. |

**CHANNEL
VEGETATION**

Both banks are partly fringed with abundant *Phalaris arundinacea*, frequent *Glyceria maxima* and occasional *Sparganium erectum* and *Typha latifolia*. The channel contains rare *Nasturtium officinale* and *Potamogeton pectinatus*.

**FEATURES OF
INTEREST**

None.

THREATS

None.

FAUNA

Small tortoiseshell butterfly.

**NUMBER OF SPECIES
RECORDED**

28.

SECTION CODE NENE 152

DATES SURVEYED 5-9-94

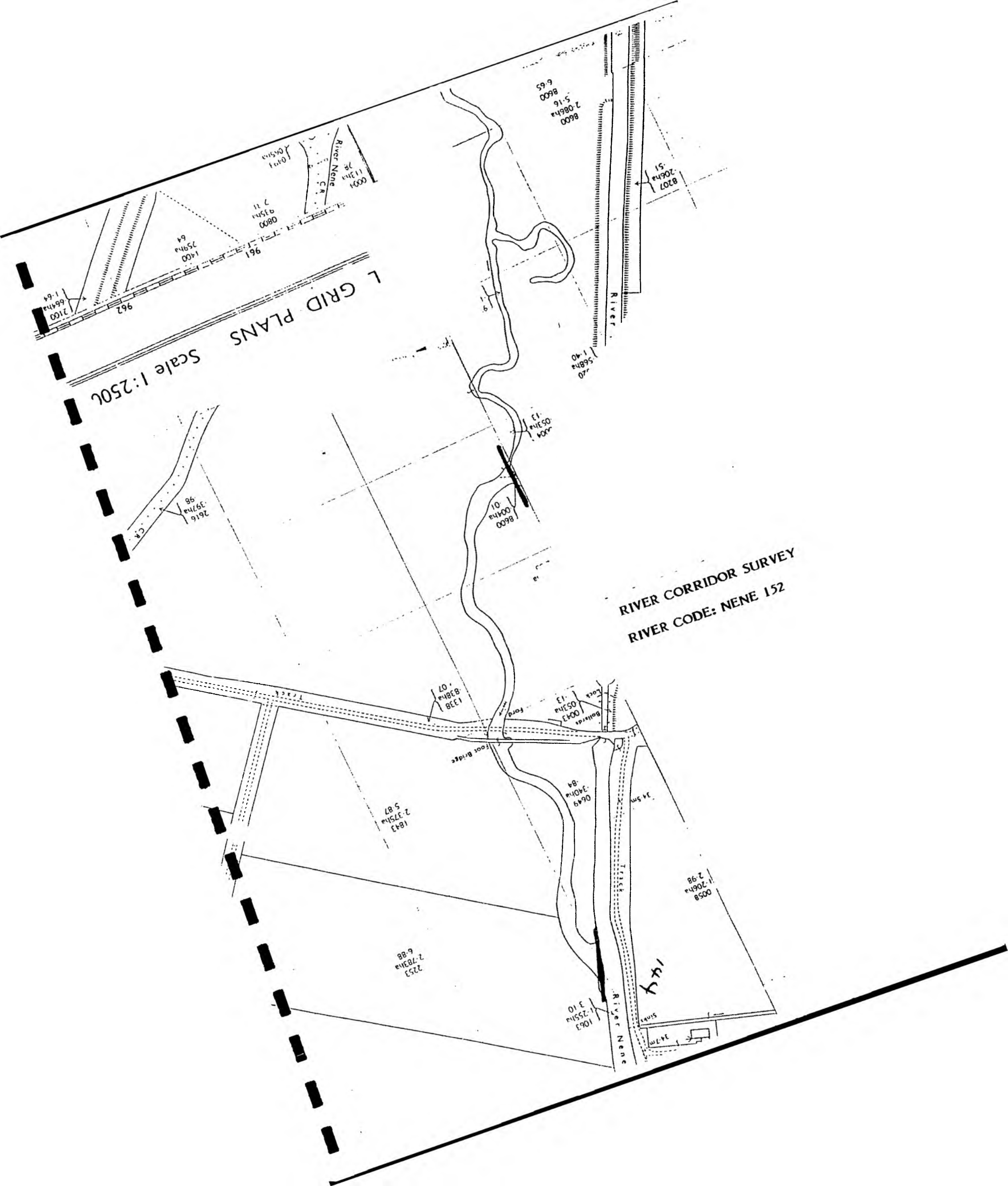
SURVEYORS NAME G WALLACE

Asple	adi	87	Annop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
3	mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
4	rut	89	Anaga	arv	175	Calys	pul	262	Circ x	int	349		tet	438	Helia	num
	tri	90		ten	176		scp	263		lut	350	Erige	ace	439	Helle	foe
	tri	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
	vir	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		sph
8	Athyr	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
9	Blech	95	Anten	dio	181		rapunculo	268		hel	355		vag	444	Hiera	agg
10	Botry	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
11	Ceter	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
12	Crypt	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	rha
13	Cysto	99	Anthr	syl	185	Carda	ama	272	Clino	vul	359	Erysi	che	448	Hippu	vul
14	Dipha	100	Anthr	vul	186		fle	273	Cochl	ang	360	Euony	eur	449	Holcu	lan
15	Dryop	101	Aphan	*arv	187		hir	274		dan	361	Eupat	can	450		mol
16		102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	ped
17		103		mic	189		pta	276		off	363		exi	452	Horde	mur
18		104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
	ore	105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
	arv	106		nod	192		nut	279	Coniu	mac	366	peplus		455	Hyaci	non
	flu	107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
22	hye	108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23	palust	109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
	syl	110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
	tel	111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
	var	112		min	198		cur	285		sqv	372	*ovina		461		hym
27	no	113		min	199		dem	286	Coryd	cla	373		pra	462		mac
	er	114	Arena	*ser	200		dia	287		lut	374	*rubra		463		mon
	sel	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
	Hymen	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
	Isoet	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
31	Lycop	118	Arche	ela	204		ech	291	Crata	mon	378	Filip	ulm	467	Hypoc	rad
32	Ophio	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	agu
	Oreop	120		mar	206		ext	293	Crepi	bie	380	Poeni	vul	469	Impat	gla
	Osmun	121		vul	207		flacca	294		cap	381	Fraga	ves	470		nol
	Phego	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
36	Phyll	123	Asper	cyn	209		hos	296		ves	383	Praxi	exc	472	Inula	con
37	Polyp	124	Ast*	nov-b	210		lae	297	Crypt	jap	384	Pumar	mur	473	Iris	foe
		125		tri	211		las	298	Cymba	mur	385		off	474		pse
		126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
41	Polys	127		gly	213	mur	laq	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42		128	Atrip	gla	214		nig	301	Cytis	sco	388		spe	477	Junc	acuti
	Pterl	129		lac	215		otr	302	Dacty	glo	389		*tet	478		art
	Selag	130		lit	216		ova	303	Dacty	fuc	390		tet	479		*buf
45	Abies	131		pat	217		pal	304		inc	391	Galil	cil	480		buf
46		132		pro	218		panicea	305		mac	392		par	481		*bul
47		133	Atrop	bel	219		panicula	306		pra	393	Galiu	apa	482		bul
	Acer	134	Avena	fat	220		pen	307		pur	394		cru	483		conгло
		135	Avena	pra	221		pil	308	Danth	dec	395		elo	484		eff
50		136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
51	Achil	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
52		138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		koc
	Acino	139	Barba	int	225		rip	312		fle	399		*pal	488		mar
	oni	140		ver	226		rostra	313	Desma	mar	400		pal	489		sgu
55	coru	141		vul	227		ser	314		rig	401		saxat	490		subnod
56	Adoxa	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
57	Aegop	143	Berbe	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
58	Aescu	144	Berul	ere	230		ves	317		ten	404		ver	493	Kickx	ela
59	Aethu	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
60	Agrim	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	agg
61		147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
62	Agros	148	Biden	cer	234	Catab	agu	321	Draba	inc	408		cam	497	Lamia	gal
63		149		tri	235	Centa	mon	322	Drose	int	409	Geran	col	498	Lamiv	alb
64		150	Black	per	236		nig	323		rot	410		dis	499		amp
65		151	Blyam	com	237		sca	324	Echiu	vul	411		end	500		hyb
66		152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
67		153		syl	239		pul	326		mul	413		molle	502		pur
68	Aira	154	Brass	nap	240	Centr	rub	327		palust	414		pha	503	Lapsa	com
69		155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
70	Ajuga	156		rap	242		dif	329		uni	416		pus	505		x
71	Alche	157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		kae
72	fil	158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	sgu
73	fil	159		ere	245		sem	332		rut	419		san	508	Lathy	mon
74		160	hor	hor	246		tom	333	Elymu	can	420		syl	509		pra
75		161		ram	247	Chaen	min	334		far	421	Geum x	int	510		syl
76	Alism	162		ste	248	Chaer	tem	335		pyc	422		riv	511	Lemna	gib
77	Allia	163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		minor
78	Alliu	164	Buddl	dav	250	Chame	ang	337	Empet	nig	424	Glauc	fla	513		pol
79		165	Butom	umb	251	Cheli	maj	338	Epilo	bru	425	Glaux	mar	514		tri
80		166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	aut
81		167	Caia	can	253		bon	340		hir	427	Glyce	dec	516		his
82	Alnus	168		epi	254	Chene	mur	341		montan	428		flu	517		tar
83	Alope	169	Calli	agg	255		pol	342		obs	429		max	518	Lepid	cam
84		170		han	256		rub	343		pal	430	x	ped	519		het
85		171		obt	257	Chrys	seg	344		par	431		pli	520		rud
86		172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	vul
					259		opp	346		tet	433		uli	522	Leymu	are
											434	Groen	den			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	781	Rumex	*ace*	868	Solid	can	955	Valer	dro
524		vul	613	Oenan	aqu	695		ber	782		ace	869		gig	956		off
525	Lilliu	mar	614		cro	696		cri	783		acetosa	870		vir	957	Valer	loc
526	Limon	vul	615		fis	697		gra	784		con	871	Sonch	arv	958	Verba	n
527	Linar	pur	616		lac	698		luc	785		crispus	872		asp	959		tha
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ole	960	Verbe	off
529		vul	618		ery	700		obt	787		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	788		obt	875		auc	962		a
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		a
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	ang	964		ba
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		eme	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	792	ape	ape	879		ere	966		chamae
535	Lolliu	mul	624	Orchi	mas	706		ans	793	ape	ere	880		min	967		f
536		per	625		mor	707		arg	794		mar	881	Spart	ang	968		h
537	Lonic	per	626	Origa	vul	708		erecta	795		nod	882	Sperg	arv	969	hed	h
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mari	970	hed	luc
539		uli	628	Ornit	per	710		rep	797	Sagit	sag	884		med	971		mon
540	Lunar	ann	629	Oxali	ace	711		ste	798	Salic	agg	885		rub	972		o
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	Salix	alb	886	Spira	agg	973		pers
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		por
543		mul	632		rho	714		vul	801		cap	888		x amb	975		scu
544		pil	633		som	715		vu x ve	802		ole	889		off	976		ser
545		syl	634	Parap	str	716	Prune	vul	803		fra	890		pal	977	Vibur	l
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		syl	978		o
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	als	979	Vicia	cra
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hir
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		l
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri	895		*med	982	sat	n
551		num	640		syl	722		spi	809		vim	896		med	983	sat	s
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	kal	897		neg	984		sep
553		vul	642	Betas	alb	724	Pucci	dis	811	Sambu	ebu	898		nem	985		syl
554	Lythr	por	643		fra	725		mar	812		nig	899	Suaed	mar	986		t
555		sal	644		hyb	726	Pulic	dys	813	Samol	val	900	Succi	pra	987	Vinca	m
556	Mahon	aqu	645	Phala	aru	727	Pulmo	off	814	Sangu	min	901	Symph	riv	988		m
557	Malus	syl	646		can	728	Pyrol	min	815		off	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903		x upl	990		can
559		neg	648		pra	730	Querc	cer	817	Sapon	off	904	Syrin	vul	991		h
560		syl	649		pra	731		ile	818	Saxif	gra	905	Tamus	com	992		h
561	Marru	vul	650		pra	732		pet	819		hyp	906	Tanac	par	993		odorat
562	Matri	mat	651	Phrag	aus	733		rob	820		ste	907		vul	994		pal
563		rec	652	Picea	abi	734	Ranun	acr	821		tri	908	Tarax	agg	995		sei
564	Mecon	cam	653		sit	735		*aqu	822	spa x	umb	909	Taxus	bac	996		h
565	Medic	ara	654	Picri	ech	736		aqu	823	Scabi	col	910	Teu	scoro	997		tri
566		lup	655		hie	737		aur	824	Schoe	lac	911	Thali	fla	998	Viscu	alb
567	sat	sat	656	Pimpi	maj	738		bulbo	825		tab	912		min	999	Vulpf	bro
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		h
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pli	1001	Wahle	h
570		uni	659	Pinus	con	741		fic	828		syl	915	Thymu	pra	1002	Zanni	h
571	Melil	alb	660		nig	742		fic	829	Scler	ann	916	Tilia	cor	1003	Popul	nig
572		alt	661		syl	743		fla	830	Scrop	aur	917		x vul	1004	Tilia	pla
573		off	662	Plant	cor	744		hed	831		nod	918	Toril	jap	1005	Cerat	h
574	Menth	aqu	663		lan	745		lingua	832		umb	919		nod	1006	Amara	h
575		arv	664		maj	746		omi	833	Scute	gal	920	Trago	pra	1007	Salix	h
576	x	pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	flu
577	x	ver	666		med	748		pen	835	Sedum	acr	922	Trifo	arv	1009	Poa	angus
578	x	vil	667	Plata	bif	749		repens	836		alb	923		cam	1010	Helia	h
579	Menya	tri	668		chl	750		sce	837		ang	924		dub	1011	Hel	h
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	Ant	cin
581	Miliu	eff	670		com	752	Rapha	rap	839		rosea	926		hyb	1013	Oenot	str
582	Mimul	egg	671		nemor	753	Resed	lut	840		tel	927		medium	1014	Galii	aru
583	Moehr	tri	672		*pra	754		luteola	841	Sempe	tec	928		mic	1015	Galii	h
584	Molin	cae	673		pra	755	Reyno	jap	842	Senec	aqu	929		pra	1016	Bromu	v
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	spi
586		per	675		tri	757	Rhamn	cat	844		jac	931	Trigl	mar	1018	Anthr	cau
587		sib	676	Polyg	ser	758	Rhin	*min	845		squ	932		pal	1019	Chara	egg
588	Mycel	mur	677		vul	759	Rhodo	pon	846		syl	933	Tripl	ino	1020	Stell	h
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vis	934		mar	1021	Hotto	h
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	lan
591		lax	680		are	762		nig	849	vul f	lig	936	Trit x	cro	1023	Anchu	off
592		ram	681		*avi	763		rub	850	vul f	vul	937	Troll	eur	1024	Calli	h
593		scorp	682		avi	764		san	851	Serra	tin	938	Tsuga	het	1025	Calli	er
594		sec	683		bis	765		uva	852	Sesle	alb	939	Tussi	far	1026	Isati	h
595		syl	684		hydro	766	Rorip	amp	853	Shera	arv	940	Typha	ang	1027	Atrip	sab
596	Myoso	aqu	685		lap	767		pal	854	Silau	sil	941		lat	1028	Rumex	pal
597	Myric	gal	686		minus	768		syl	855	Silen	alba	942		eur	1029	Bromu	h
598	Myrio	alt	687		oxy	769	Rosa	agg	856		dio	943		gal	1030	Ulmus	h
599		spi	688		per	770		arv	857		mar	944		Ulmus	1031	Fontin	egg
600	Myrrh	odo	689		poly	771		*can	858		vul	945		pro	1032	Calam	syl
601	Narci	pse	690	Popul	alb	772		pim	859	Silyb	mar	946	Umbil	rup	1033	Azo	filic
602	Nardu	str	691		x canad	773		*rub	860	Sinap	alb	947		dio	1034	Potam	h
603	Narth	oss	692		x canes	774		rugosa	861		arv	948		ure			
604	Nastu	mic	693		tre	775		*tom	862	Sison	amo	949		Utric			
605		*off				776	Rubus	cae	863	Sisym	off	950		min			
606		off				777		cham	864		ori	951		vul			
607		x m				778		*fru	865	Sium	lat	952	Vacci	myr			
608	Neott	nid				779		ida	866	Solan	dul	953		oxy			
609	Nepet	cat				780		sax	867		nig	954		vit			
610	Nupha	lut															
611	Nymph	alb															

Other Species:

Total Number species Recorded: 28



RIVER CORRIDOR SURVEY
RIVER CODE: NENE 152

L GRID PLANS
Scale 1:2500

River Nene
0001
11.3ha
2.08ha
0008
9.35ha
2.11ha
0004
1.40ha
0008
2.78ha
0001
1.40ha
0008
2.78ha
0001
1.40ha
0008
2.78ha

Foot Bridge

Ford

Track

144

River Nene

River

Section Code: NENE 152



Photograph Number: |

Ecosurveys Ltd

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River NENE
 Section 153
 Auditor C. G. 90112

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Good - extent well recorded

Flow and current features

Poor/Adequate - no flow arrow given

Substrate and physical features

Poor/Adequate - recorded on description.

MARGINAL ZONE

Plant communities

Good - well recorded + showing emergents on bank.

Substrate and Physical features

Adequate - small bay left off.

BANK ZONE

Trees

Inadequate - occasional trees + saplings omitted.

Other plant communities

Adequate - no information given on left bank vegetation in mid section
wrong symbol used.

Physical features

Poor - areas of artificial bank + small bay omitted.

ADJACENT LAND USE

Land use

Poor - Lake to RB close to channel omitted - left bank drain omitted.

Habitat types

Good - little to record. except omitted RB habitat.

3. CROSS SECTIONS

Width of water
filled channel



Depth of water



Water level relative
to top of bank



Bank height



Flood bank width



width



height



slope



landuse



Poor. No full cross section given. - no width or depth on map.

4. SUMMARY DESCRIPTION

Conditions



Typical features

Adequate - very short. maximum bank height is excessive

Marginal Vegetation LB & RB

Good

Banks LB & RB

Adequate/Good - well recorded but could have stated where P&S locally abundant.

Adjacent landuse LB & RB

Poor - RB lake omitted + RB SNA.

Fauna

Good - none recorded

Recreation

Poor - footpath to LB + crossing at bridge - not mentioned

Existing Management

Poor - None mentioned

Threats

Good - none

Suggested habitat improvement

Poor - None suggested.

6. GENERAL NOTES AND ASSESSMENT

Well recorded except for the omission of small areas of reinforced bank and a bay and the lake to the RB. Footpaths + drains have also been overlooked and small trees + scrub overlooked. Recent planting has not been included in this assessment by LOR. Very few species recorded.

$$\frac{28}{51} = 55\%$$

River Name:

NENE

Section Cn.

NENE 153

Grid Refs:

SP 9652 7215

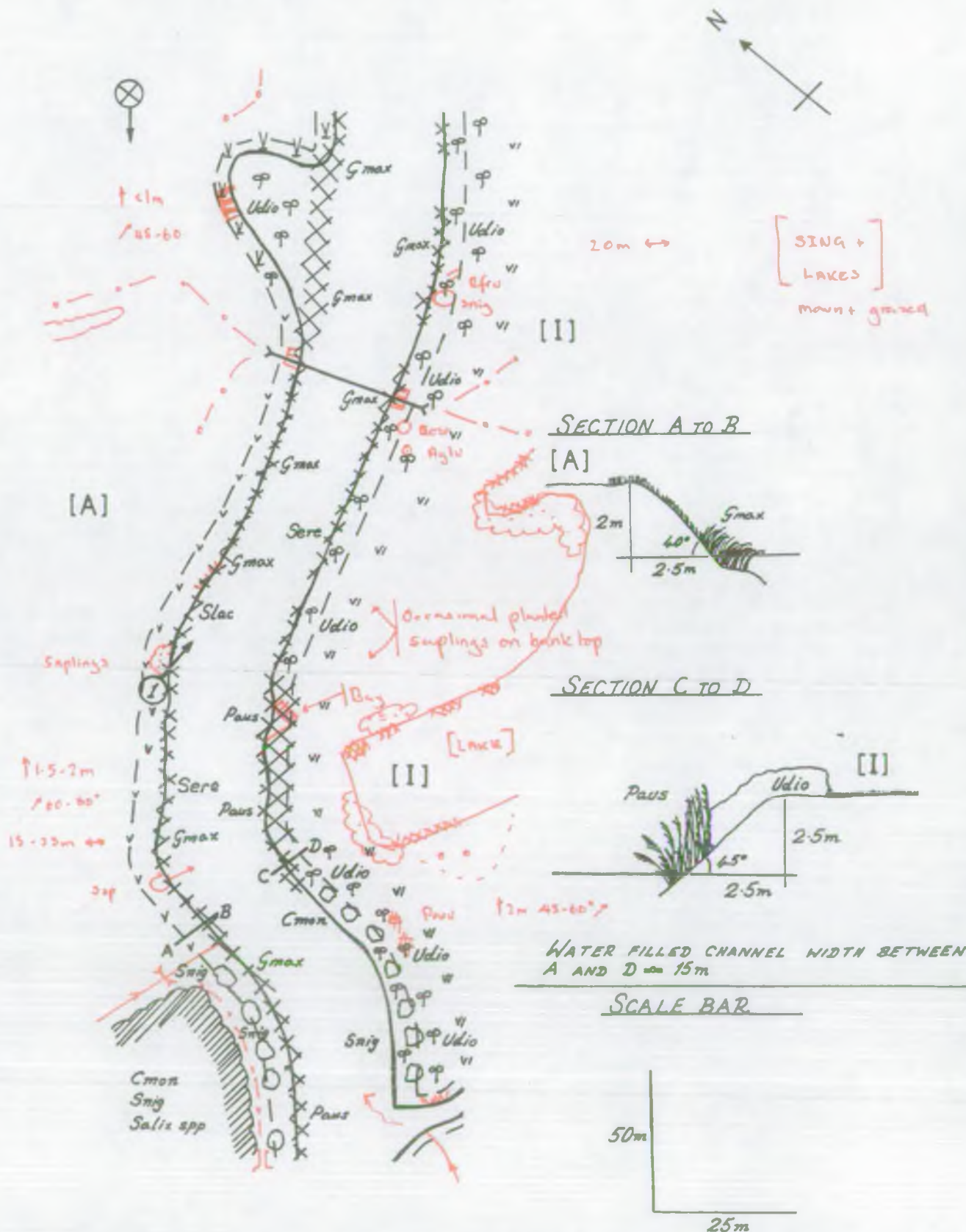
SP 9687 7242

Survey Date:

20/09/94

Surveyor:

P. Dullaghan



Physical and Habitat Data

River Section No: NENE 153 Date: 20/9/1994

	Feature	Section Data	Input
1	Riffles		0
2	Pools		0
3	Cliffs		0
4	Berms		0
5	Meanders		0
6	Riparian Strip Left Bank - % Length	15 %	A
7	Riparian Strip Right Bank - % Length	0 %	A
8	Trapezoidal Channel	Y/N	N
9	Land Use - Left Bank	A.G.W.S.H.I.L.SG.IG.RG	A
10	Land Use - Right Bank	A.G.W.S.H.I.L.SG.IG.RG	IG
11	Trees - Dense	L/R	L
12	Trees - Scattered	L/R	U
13	Scrub - Dense	L/R	R
14	Scrub - Scattered	L/R	L
15	Emergent Fringe - Left Bank % Length	95%	Y
	Emergent Fringe - Right Bank % Length	65%	

DATE: 20 September 1994

CODE: NENE 153

Ecosurveys Ltd

CONDITIONS

Overcast with occasional rain. Surveyed from left bank. One photograph taken.

PHYSICAL FEATURES OF CHANNEL

- i Broad nature A gently meandering section with slow flow.
- ii Dimensions 11-20m wide and depth unknown.
- iii Substrate Silt and mud.
- iv Bank type Both banks are 1.5-3m high with 35°-50° slopes.

LAND USE

- LS Dense scrub and arable.
- RS Improved grassland.

BANK
VEGETATION

- LB Dominated by *Urtica dioica* and *Arrhenatherum elatius* with scattered *Sambucus nigra* bushes followed by *Arrhenatherum elatius*, *Dactylis glomerata* and *Elymus repens* with *Urtica dioica* beyond the footbridge. Downstream of this the river straightens dominated by dense stands of *Urtica dioica*, *Arrhenatherum elatius* and *Elymus repens*.
- RB Dominated by *Urtica dioica* with scattered *Crataegus monogyna* and *Sambucus nigra* bushes. Dense stands of *Phragmites australis*, *Urtica dioica* and locally frequent *Arrhenatherum elatius* and *Epilobium hirsutum* occur also.

CHANNEL
VEGETATION

- LS Almost continuous stands of *Glyceria maxima* with stands of *Sparganium erectum*, *Schoenoplectus lacustris* and *Phragmites australis*.
- RS Dense stands of *Phragmites australis* with discontinuous stands of *Glyceria maxima* and *Sparganium erectum*.

FEATURES OF
INTEREST

None.

THREATS

None.

FAUNA

None.

NUMBER OF SPECIES
RECORDED

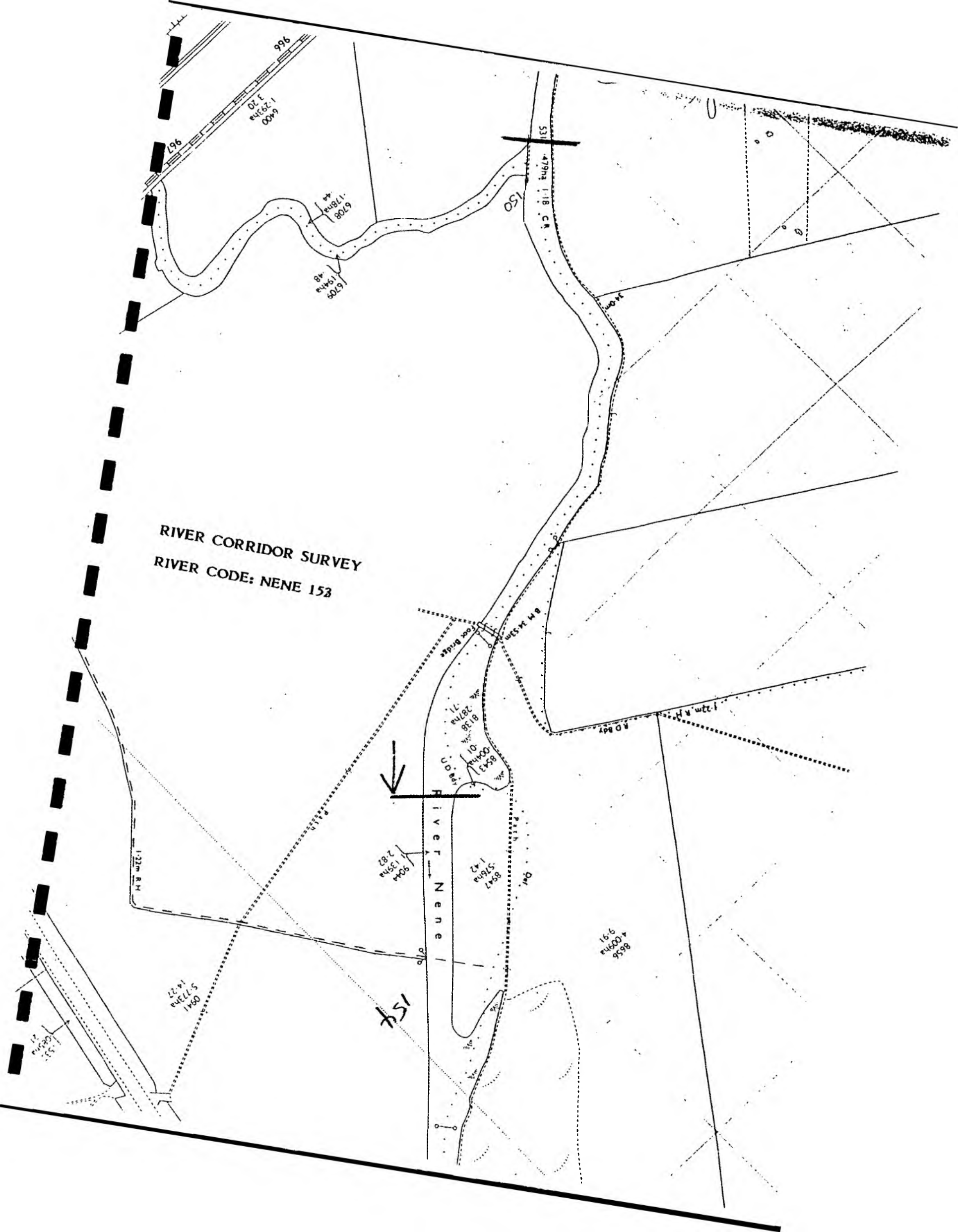
14.

SECTION CODE *NENE 153*DATES SURVEYED *20/09/94*SURVEYORS NAME *P. D. Ollaghan*

Asple	adi	87	Anmop	are	173	Callu	wul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
	mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
3	rut	89	Anaga	arv	175	Calyx	pul	262	Circ	x int	349		tet	438	Helia	num
4	tri	90		ten	176		sco	263		lut	350	Erige	ace	439	Helle	foe
	tri qua	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
	tri tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
	vir	93	Anemo	nem	179	Campa	glo	266		dis	353	Eriop	ang	442		sph
8	Athyr	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
9	Blech	95	Anten	dio	181		rapunculo	268		hel	355		vag	444	Hiera	agg
10	Botry	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
	Ceter	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
12	Crypt	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	cha
13	Cysto	99	Anthr	syl	185	Carda	ama	272	Clino	vul	359	Erysi	che	448	Hippu	vul
14	Dipha	100	Anthy	vul	186		fle	273	Cochl	ang	360	Eucory	eur	449	Holcu	lan
15	Dryop	101	Aphan	*arv	187		hir	274		dan	361	Eupat	can	450		mol
16		102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	pep
17		103		mic	189		pra	276		off	363		exi	452	Horde	mur
18		104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
19		105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
20	Equis	106		nod	192		nut	279	Coniu	mac	366		peplus	455	Hyaci	non
21		107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
22		108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23	palust	109	Arabi	hir	195		are	282	Convo	arv	369	Fallo	con	458	Hyper	and
24		110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
25		111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
26		112		min	198		cur	285		squ	372		*ovina	461		hym
27	Gymno	113		min	199		dem	286	Coryd	cla	373		pra	462		mac
28	uper	114	Arena	*ser	200		dia	287		lut	374		*rubra	463		mon
29	dymen	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
30	Isoet	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
31	Lycop	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
32	Ophio	118	Arrhe	ela	204		ech	291	Crata	mon	378	Filip	ulm	467	Hypoc	rad
33	Oreop	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	agu
34	Osmun	120		mar	206		ext	293	Crepi	bie	380	Foeni	vul	469	Impat	gla
35	Phego	121		vul	207		flacca	294		cap	381	Fraga	ves	470		nol
36	Phyll	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
37	Polyp	123	Asper	cyn	209		hos	296		ves	383	Praxi	exc	472	Imula	con
38		124	Ast*nov	b	210		lae	297	Crypt	jap	384	Pumar	mur	473	Iris	foe
39		125		tri	211		las	298	Cymba	mur	385		off	474		pse
40		126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
41	Polys	127		gly	213		laq	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42		128	Atrip	gla	214		nig	301	Cyrtis	sco	388		spe	477	Junc	acuti
43	Pterid	129		lac	215		otr	302	Dactyl	glo	389		*tet	478		scr
44	Selag	130		lit	216		ova	303	Dactyl	fuc	390		tet	479		*buf
45	Abies	131		pat	217		pal	304		inc	391	Galin	cil	480		buf
46		132		pro	218		panicea	305		mac	392		par	481		*bul
47		133	Atrop	bel	219		panicula	306		pra	393	Galiu	apa	482		bul
48	Acer	134	Avena	fat	220		pen	307		pur	394		cru	483		conгло
49		135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		eff
50		136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
51	Achil	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
52		138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		koc
53	Acino	139	Barba	int	225		rip	312		fle	399		*pal	488		mar
54	Aconi	140		ver	226		rostra	313	Desma	mar	400		pal	489		squ
	Acoru	141		vul	227		ser	314		rig	401		saxat	490		subnod
56	Adoxa	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
57	Aegop	143	Berber	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
58	Aescu	144	Berul	ere	230		ves	317		ten	404		ver	493	Rickx	ela
59	Aethu	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
60	Agrim	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	agg
61		147		pub	233	Casta	sat	320	Doron	par	407	Genti	ama	496	Labur	ana
62	Agros	148	Biden	cer	234	Catab	agu	321	Draba	inc	408		cam	497	Lamia	gal
63		149		tri	235	Centa	mon	322	Drose	int	409	Geran	col	498	Lamiu	alb
64		150	Black	per	236		nig	323		rot	410		dis	499		amp
65		151	Blysm	com	237		sca	324	Echlu	vul	411		end	500		hyb
66		152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
67		153		syl	239		pul	326		mul	413		molle	502		pur
68	Aira	154	Brass	nsp	240	Centr	rub	327		palust	414		pha	503	Lapsa	com
69		155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
70	Ajuga	156		rap	242		dif	329		uni	416		pus	505		x
71	Alche	157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		kae
72		158	Bromu	com	244		glo	331	Elode	can	418		robert	507	Lathr	squ
73		159		ere	245		sem	332		nut	419		san	508	Lathy	mon
74		160		hor	246		ton	333	Elymu	can	420		syl	509		pra
75		161		ram	247	Chaen	min	334		far	421	Geum	x int	510		syl
76	Alism	162		ste	248	Chaer	tem	335		pyc	422		riv	511	Lemna	gib
77	Allia	163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		minor
78	Alliu	164	Buddl	dav	250	Chame	ang	337	Erpet	nig	424	Glauc	fla	513		pol
79		165	Butom	umb	251	Chelli	maj	338	Epilo	bru	425	Glaux	mar	514		tri
80		166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	aut
81		167	Calia	can	253		bon	340		hi	427	Glyce	dec	516		his
82	Ainus	168		epi	254	Chene	mur	341		montan	428		flu	517		tar
83	Alope	169	Calli	agg	255		pol	342		obs	429		max	518	Lepid	cam
84		170		han	256		rub	343		pal	430		x ped	519		het
85		171		obt	257	Chrys	seg	344		par	431		pli	520		rud
86		172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	vul
					259		opp	346		tet	433		uli	522	Leymu	ace
											434	Groen	den			
											435	Gymna	con			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	781	Rumex	*ace*	868	Solid	can	955	Valer	dio
524		vul	613	Oenan	aqu	695		ber	782		ace	869		gig	956		off
525	Lilliu	mar	614		cro	696		crl	783		acetosa	870		vir	957	Valer	loc
526	Limon	vul	615		fis	697		gra	784		con	871	Sonch	arv	958	Verba	nig
527	Linar	pur	616		lac	698		luc	785		crispus	872		asp	959		thap
528		rep	617	Oenot	cam	699		nat	786		hyd	873		ole	960	Verbe	off
529		vul	618		ery	700		obt	787		lon	874	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	788		obt	875		auc	962		ana
531	Liste	ova	620	Ononi	rep	702		per	789		san	876		int	963		arv
532	Litho	arv	621		spi	703		pol	790	Ruscu	acu	877	Sparg	ang	964		bec
533		off	622	Onopo	aca	704		pus	791	Sagin	*ape	878		eme	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	792		ape	879		ere	966		chamoe
535	Loliu	mul	624	Orchi	mas	706		ans	793		ere	880		min	967		fil
536		per	625		mor	707		arg	794		mar	881	Spart	ang	968		hed
537	Lonic	per	626	Origa	vul	708		erecta	795		nod	882	Sperg	arv	969	hed	hed
538	Lotus	cor	627	Ornit	umb	709		pal	796		pro	883	Sperg	mar	970	hed	luc
539		uli	628	Ornit	per	710		rep	797	Sagit	sag	884		med	971		mon
540	Lunar	ann	629	Oxali	ace	711		ste	798	Salic	agg	885		rub	972		off
541	Lupin	arb	630	Papav	arg	712	Primu	far	799	Salix	alb	886	Spira	agg	973		persic
542	Luzul	cam	631		dub	713		ver	800		aur	887	Stach	arv	974		pol
543		mul	632		rho	714		vul	801		cap	888		x amb	975		scu
544		pil	633		som	715		vu x ve	802		ole	889		off	976		ser
545		syl	634	Parap	str	716	Prune	vul	803		fra	890		pal	977	Vibur	lan
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	804		pen	891		syl	978		opu
547	Lyciu	bar	636	Paris	qua	718		cerasus	805		phy	892	Stell	als	979	Vicia	cra
548		chi	637	Parna	pal	719		dom	806		pur	893		gra	980		hir
549	Lycop	eur	638	Pasti	sat	720		lauro	807		repens	894		hol	981		lat
550	Lysim	nem	639	Pedic	pal	721		pad	808		tri	895		*med	982	sat	nig
551		num	640		syl	722		spi	809		vim	896		med	983	sat	sat
552		pun	641	Penta	sem	723	Pseud	men	810	Salso	kal	897		neg	984		sep
553		vul	642	Petas	alb	724	Pucci	dis	811	Sambu	ebu	898		nem	985		syl
554	Lythr	por	643		fra	725		mar	812		nig	899	Suaed	mar	986		t
555		sal	644		hyb	726	Pulic	dys	813	Samol	val	900	Succi	pra	987	Vinca	n
556	Mahon	aqu	645	Phala	aru	727	Pulmo	off	814	Sangu	min	901	Symph	riv	988		min
557	Malus	syl	646		can	728	Pyrol	min	815		off	902	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	816	Sanic	eur	903		x upl	990		can
559		neg	648		pra	730	Querc	cer	817	Saon	off	904	Syrin	vul	991		hir
560		syl	649		ber	731		ile	818	Saxif	gra	905	Tamus	com	992		lut
561	Marru	vul	650		pra	732		pet	819		hyp	906	Tanac	par	993		odorat
562	Matri	mat	651	Phrag	aus	733		rob	820		ste	907		vul	994		pal
563		rec	652	Ricea	abl	734	Ranun	acr	821		tri	908	Tarax	agg	995		rei
564	Mecon	cam	653		sit	735		*aqu	822	spa x umb		909	Taxus	bac	996		riv
565	Medic	ara	654	Picri	ech	736		aqu	823	Scabi	col	910	Teu	scoro	997	tri	tri
566		lup	655		hie	737		aur	824	Schoe	lac	911	Thali	fla	998	Viscu	alb
567	sat	sat	656	Pimpi	maj	738		bulbo	825		tab	912		min	999	Vulpi	bro
568	Melam	pra	657		sax	739		cir	826	Schoe	nig	913	Thlas	arv	1000		myu
569	Melic	nut	658	Pingu	vul	740		fic	827	Scirp	mar	914	Thuja	pil	1001	Wahle	hed
570		uni	659	Pinus	con	741		fic	828		syl	915	Thymu	pra	1002	Zanni	pal
571	Melli	alb	660		nig	742		fic	829	Scler	ann	916	Tilia	cor	1003	Popul	nig
572		alt	661		syl	743		fla	830	Scrope	aur	917		x vul	1004	Tilia	pla
573		off	662	Plant	cor	744		hed	831		nod	918	Toril	jap	1005	Cerat	dem
574	Menth	aqu	663		lan	745		lingua	832		umb	919		nod	1006	Amara	ret
575		arv	664		maj	746		oml	833	Scute	gal	920	Trago	pra	1007	Salix	agg
576		x pip	665		mar	747		pel	834		min	921	Trich	ces	1008	Ranun	flu
577		x ver	666		med	748		pen	835	Sedun	acr	922	Trifo	arv	1009	Poa	angus
578		x vil	667	Plata	bif	749		repens	836		alb	923		cam	1010	Helia	rig
579	Menya	tri	668		chl	750		sce	837		ang	924		dub	1011	Helia	ann
580	Mercu	per	669	Poa	ann	751		tric	838		ref	925		fra	1012	Anthe	
581	Miliu	eff	670		com	752	Rapha	rap	839		rasca	926		hyb	1013	Oenot	
582	Mimul	agg	671		nemor	753	Rased	lut	840		tel	927		medium	1014	Galiu	spu
583	Moehr	tri	672		*pra	754		luteola	841	Sempe	tec	928		mic	1015	Galiu	pum
584	Molln	cae	673		pra	755	Reyno	jap	842	Senec	aqu	929		pra	1016	Bromu	arv
585	Monti	fon	674		sub	756		sac	843		eru	930		rep	1017	Menth	spi
586		per	675		tri	757	Rhamn	cat	844		juc	931	Trigl	mar	1018	Anthr	cau
587		sib	676	Polyg	ser	758	Rhin	*min	845		ogu	932		pal	1019	Chara	agg
588	Mycel	mur	677		vul	759	Rhodo	pon	846		syl	933	Tripl	ino	1020	Stell	pal
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	847		vid	934		mar	1021	Hotto	pal
590		dis	679	Polyg	amp	761	Ribes	alp	848		vul	935	Trise	fla	1022	Alism	lan
591		lax	680		are	762		nig	849		vul f lig	936	Trit x	cro	1023	Anchu	off
592		ram	681		*avi	763		rub	850		vul f vul	937	Troll	eur	1024	Calli	pla
593		scorp	682		avi	764		san	851	Sera	tin	938	Tauga	het	1025	Calli	her
594		sec	683		bis	765		uva	852	Sale	alb	939	Tussl	far	1026	Isati	tin
595		syl	684		hydro	766	Rorip	amp	853	Sale	arv	940	Typha	ang	1027	Atrip	sab
596	Myoso	aqu	685		lap	767		pal	854	Silau	sil	941		lat	1028	Rumex	pal
597	Myric	gal	686		minus	768		syl	855	Silen	alba	942	Ulex	eur	1029	Bromu	lep
598	Myrio	alt	687		oxy	769		agg	856		dio	943		gal	1030	Ulmus	car
599		spi	688		per	770	Rosa	agg	857		mar	944	Ulmus	gla	1031	Fontin	agg
600	Myrrh	odo	689		poly	771		*can	858		vul	945		pro	1032	Calam	syl
601	Narci	pse	690	Popul	alb	772		pim	859	Silyb	mar	946	Umbil	rup	1033	Azo	filic
602	Nardu	str	691		x canad	773		*rub	860	Sinap	alb	947	Urtic	dio	1034	Potam	tri
603	Narth	oss	692		x canes	774		rugosa	861		arv	948		ure			
604	Nastu	mic	693		tre	775		*tom	862	Sison	amo	949	Utric	aus			
605		*off				776	Rubus	cae	863	Sisym	off	950		min			
606		off				777		cham	864		ori	951		vul			
607		x m				778		*fru	865	Sium	lat	952	Vacci	myr			
608	Neott	nid				779		ida	866	Solan	dul	953		oxy			
609	Nepet	cat				780		sax	867		nig	954		vit			
610	Nupha	lut															
611	Nymph	alb															

RIVER CORRIDOR SURVEY
RIVER CODE: NENE 153



Section Code: NENE 153



Photograph Number: 1

RIVER CORRIDOR QUALITY CONTROL

CHECK LIST

River ... NENE ...
 Section ... 1.54 ...
 Auditor

1. GENERAL INFORMATION

Name of river	☒	Date of survey	☒	Reach ref No.	☒
Grid North	☒	Surveyors name	☒	Scale base width	☒
				Length	☒
Grid ref upstream	☒	Grid ref downstream	☒	Flow direction	☒

2. SURVEY MAP

AQUATIC ZONE

Plant communities

Good - not much vegetation present

Flow and current features

Poor/Adequate - recorded in description not on map

Substrate and physical features

Poor/Adequate - recorded in description not on map.

MARGINAL ZONE

Plant communities

Good - general well recorded, Pau omitted totally

Substrate and Physical features

Adequate - stated in description - but no stand widths given.

BANK ZONE

Trees

Good - few trees to record - 1 collapsed Cmn omitted.

Other plant communities

Adequate - emergent vegetation on right bank not recorded.

Physical features

Good - little to record.

ADJACENT LAND USE

Land use

Adequate - RB old railway, ditch and scrub omitted.

Habitat types

Good

3. CROSS SECTIONS

Width of water
filled channel

x

Depth of water

x

Water level relative
to top of bank

x

Bank height

✓

Flood bank width

N/A

width

✓

height

N/A

slope

✓

landuse

x

Poor - No full cross section given - depth omitted. Bank height over estimated.

4. SUMMARY DESCRIPTION

Conditions



Typical features

Adequate - very brief.

Marginal Vegetation LB & RB

Adequate - no width of stands given.

Banks LB & RB

Adequate - no mention of emergent vegetation on RB.

Adjacent landuse LB & RB

Adequate - RB derelict railway, ditch & scrub omitted.

Fauna

Good

Recreation

Poor - footpath to LB not recorded

Existing Management

Good None recorded - except cutting up to the left bank.

Threats

Good - none

Suggested habitat improvement

Poor - None recorded.

6. GENERAL NOTES AND ASSESSMENT

A reasonably well surveyed section with only minor omissions except for the adjacent land d/s to the RB. Dimensions are poorly recorded. Very few species have been recorded.

$$\frac{33}{51} = 65\%$$

River Name:

NENE

Section Code:

NENE 154

Grid Refs:

SP 9687 7242

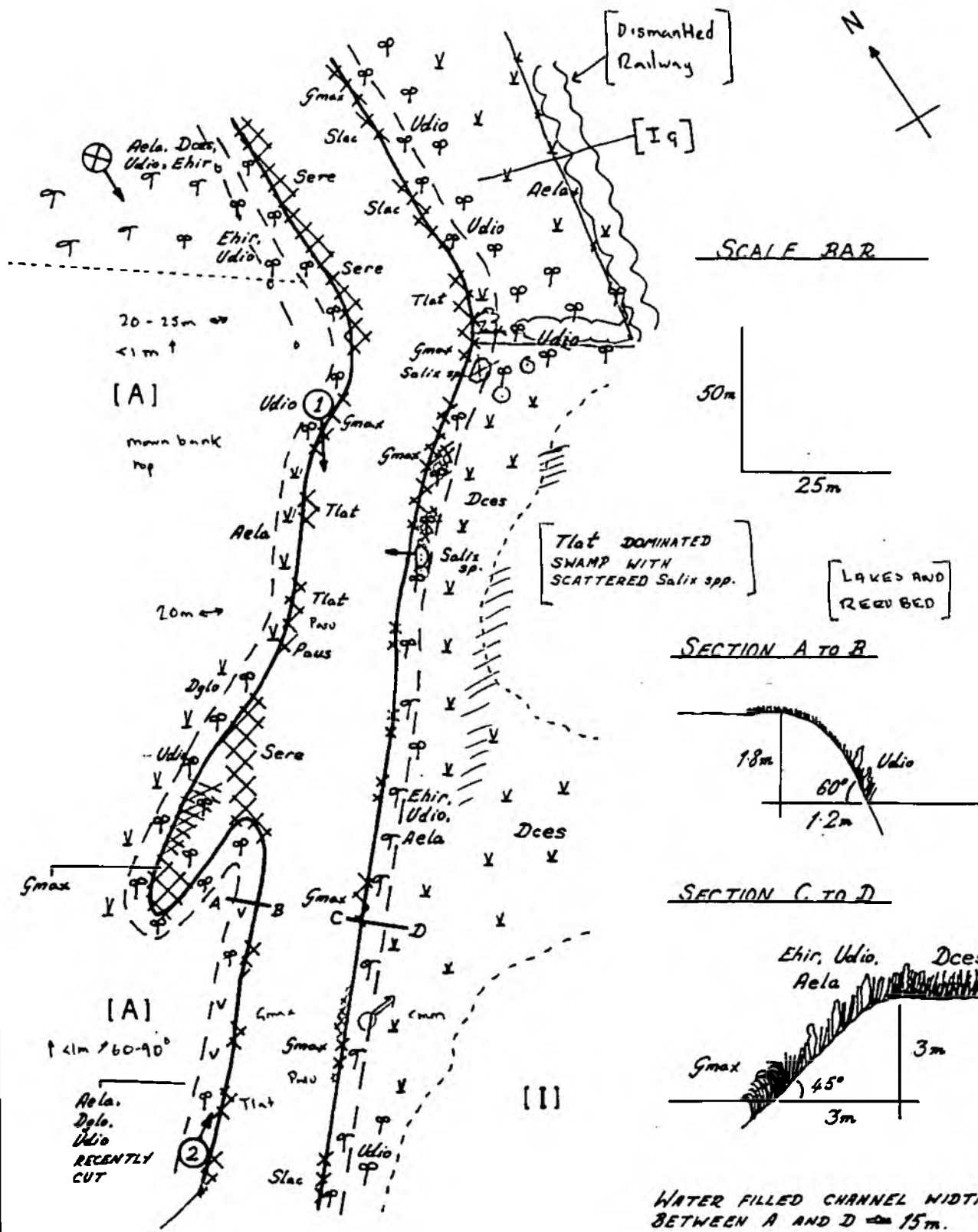
SP 9714 7279

Survey Date:

20/09/94

Surveyor:

P. Dullaughan



DATE: 20 September 1994

CODE: NENE 154

Ecosurveys Ltd

CONDITIONS

Overcast with occasional rain. Surveyed from left bank. Two photographs taken.

PHYSICAL FEATURES OF CHANNEL

- | | | |
|-----|--------------|---|
| i | Broad nature | A straight section with a bend downstream and with slow flow. |
| ii | Dimensions | 15-23m wide and depth unknown. |
| iii | Substrate | Silt and mud. |
| iv | Bank type | Both banks are 1.2-3m high with 35°-60° slopes. |

LAND USE

- | | |
|----|---|
| LS | Arable, rank grassland and tall herbs. |
| RS | Improved grassland, rank grassland, tall herbs and a swamp. |

**BANK
VEGETATION**

- | | |
|----|--|
| LB | Dominated by <i>Arrhenatherum elatius</i> , <i>Dactylis glomerata</i> , <i>Elymus repens</i> and <i>Urtica dioica</i> with <i>Arrhenatherum elatius</i> , <i>Dactylis glomerata</i> , <i>Elymus repens</i> and locally abundant <i>Urtica dioica</i> and <i>Epilobium hirsutum</i> . |
| RB | Dominated by <i>Arrhenatherum elatius</i> and <i>Urtica dioica</i> with locally frequent <i>Epilobium hirsutum</i> and occasional patches of <i>Arrhenatherum elatius</i> . |

**CHANNEL
VEGETATION**

Both sides have discontinuous stands of *Glyceria maxima*, *Sparganium erectum*, *Schoenoplectus lacustris* and *Typha latifolia* with occasional small patches of *Lemna* sp.

**FEATURES OF
INTEREST**

Rank grassland, tall herb and swamp on the left side provide additional areas of habitat for birds, small mammals, amphibians and invertebrates.

THREATS

None.

FAUNA

Mute swan and moorhen.

**NUMBER OF SPECIES
RECORDED**

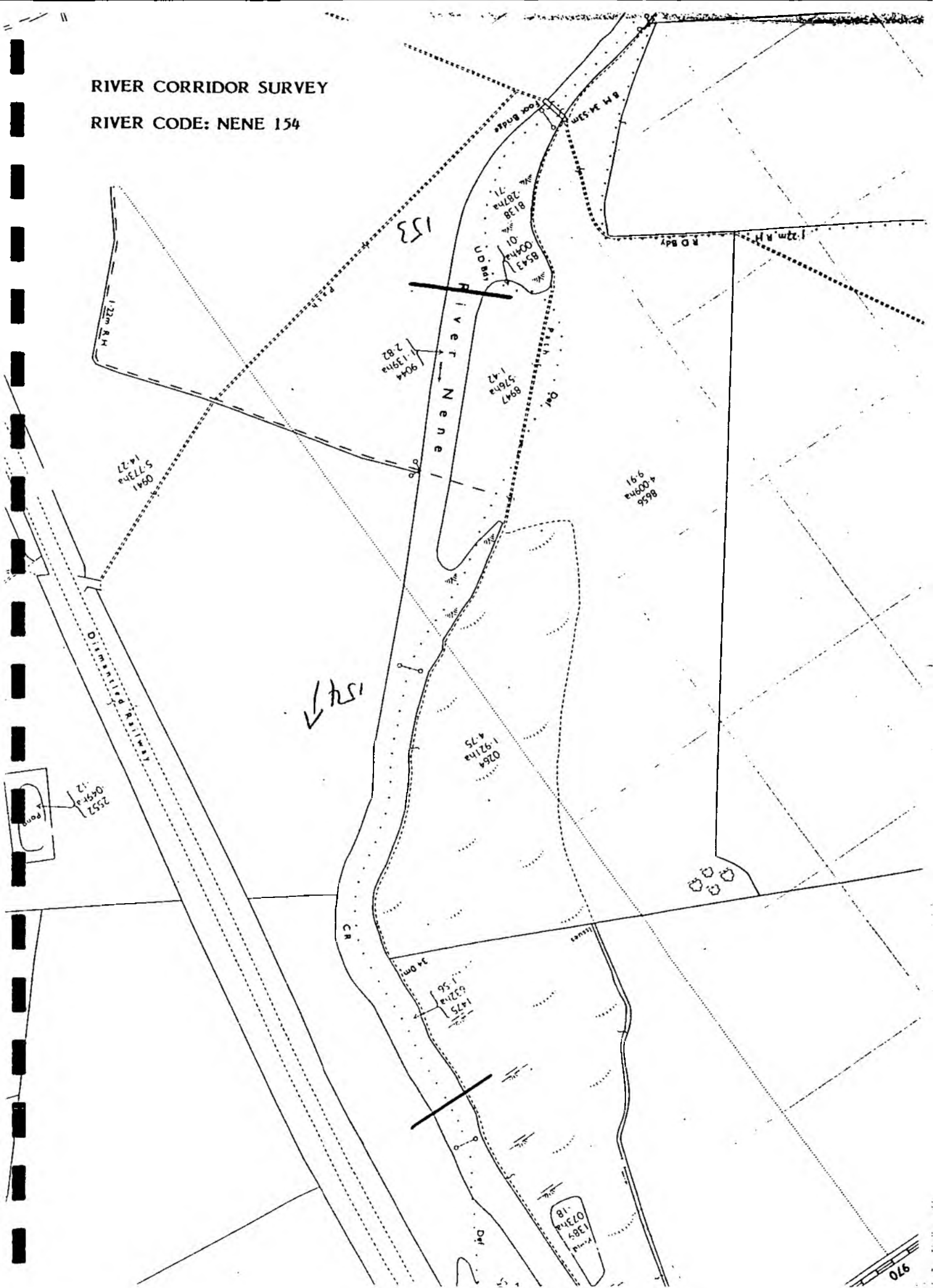
13.

SECTION CODE *NENE 154*DATES SURVEYED *20/09/94*SURVEYORS NAME *P. Dullaughan*

Asple	adi	87	Annop	are	173	Callu	vul	260	Cicer	mac	347	Epipa	hel	436	Halim	por
	mar	88	Anaca	pyr	174	Calth	pal	261	Cicho	int	348	Erica	cin	437	Heder	hel
	rut	89	Anaga	arv	175	Calys	pul	262	Circ x	int	349		tet	438	Helia	rum
	tri	90		ten	176		scp	263		lut	350	Erige	ace	439	Helle	foe
	tri	91	Anchu	arv	177		sil	264	Cirsi	aca	351		can	440		vir
	tri	92	Andro	pol	178		sol	265		arv	352	Erinu	alp	441	Herac	man
	vir	93	Anemo	nem	179	Campe	glo	266		dis	353	Eriop	ang	442		sph
8	Athyr	94	Angel	syl	180		lat	267		eri	354		lat	443	Hespe	mat
9	Blech	95	Anten	dio	181		rapunculo	268		hel	355		vag	444	Hiera	agg
	Botry	96	Anthe	arv	182		rot	269		pal	356	Erodi	cic	445		pil
	Ceter	97		cot	183		tra	270		vul	357	Eroph	ver	446	Hippo	com
	Crypt	98	Antho	odo	184	Capse	bur	271	Clema	vit	358	Eryng	mar	447	Hippo	rha
13	Cysto	99	Anthr	syl	185	Carda	ama	272	Cline	vul	359	Erysi	che	448	Hippu	vul
14	Dipha	100	Anthy	vul	186		fle	273	Cochl	ang	360	Eucry	eur	449	Holcu	lan
	Dryop	101	Aphan	arv	187		hir	274		dan	361	Eupat	can	450		mol
		102		arv	188		imp	275		*off	362	Eupho	amy	451	Honke	pen
		103		mic	189		pra	276		off	363		exi	452	Horde	mur
18		104	Apium	gra	190	Carda	dra	277	Coelo	vir	364		hel	453		sec
	ore	105		inu	191	Cardu	aca	278	Colch	aut	365		lat	454	Humul	lup
	Equis	106		nod	192		nut	279	Coniu	mac	366		peplus	455	Hyaci	non
	flu	107	Aquil	vul	193	Carex	acuta	280	Conop	maj	367	Euphr	agg	456	Hydro	vul
22	hye	108	Arabi	tha	194		acuti	281	Conva	maj	368	Fagus	syl	457	Hyosc	nig
23	palust	109	Arabi	hir	195		ace	282	Convo	arv	369	Fallo	con	458	Hyper	and
	syl	110	Arcti	lap	196		bin	283	Cornu	san	370	Festu	aru	459		elo
	tel	111		min	197		caryop	284	Coron	did	371		gig	460		hirsut
	var	112		min	198		cur	285		squ	372		*ovina	461		hum
27	Gymno	113		min	199		dem	286	Coryd	cla	373		pra	462		mac
28	uper	114	Arena	*ser	200		dia	287		lut	374		*rubra	463		mon
29	Hymen	115		ser	201		dio	288	Coryl	ave	375		viv	464		perfor
30	Isoet	116	Armer	mar	202		distan	289	Coton	mic	376	Filag	min	465		pul
31	Lycop	117	Armor	rus	203		disticha	290		sim	377		vul	466		tet
32	Ophio	118	Arthe	ela	204		ech	291	Crata	mon	378	Filip	ulm	467	Hypoc	rad
33	Oreop	119	Artem	abs	205		ela	292		lae	379		vul	468	Ilex	agu
34	Osman	120		mar	206		ext	293	Crepi	bie	380	Foeni	vul	469	Impat	gla
35	Phago	121		vul	207		flacca	294		cap	381	Fraga	ves	470		nol
36	Phyll	122	Arum	mac	208		hir	295		pal	382	Frang	aln	471		par
37	Polyp	123	Asper	cyn	209		hos	296		ves	383	Fraxi	exc	472	Inula	con
38		124	Ast*nov	b	210		lae	297	Crypt	jap	384	Fumar	mur	473	Iris	foe
39		125		tri	211		las	298	Cymba	mur	385		off	474		pse
40		126	Astra	dan	212		lep	299	Cynog	off	386	Galan	niv	475	Isole	set
41	Polys	127		gly	213		laq	300	Cynos	cri	387	Galeo	bif	476	Jasio	mon
42		128	Acrip	gla	214		nig	301	Cytis	sco	388		spe	477	Junc	acuti
43	Pterri	129		lac	215		otr	302	Dacty	fuc	389		*tet	478		art
44	Selag	130		lit	216		ova	303	Dacty	inc	390		tet	479		*buf
45	Abies	131		pat	217		pal	304		inc	391	Galil	cil	480		buf
46		132		pro	218		panicea	305		mac	392		par	481		*bul
47		133	Atrop	bel	219		panicula	306		pra	393	Galil	apa	482		bul
48	Acer	134	Avena	fat	220		pen	307		pur	394		cru	483		conгло
49		135	Avenu	pra	221		pil	308	Danth	dec	395		elo	484		eff
50		136		pub	222		pse	309	Daphn	lau	396		*mol	485		ger
51	Achil	137	Balde	ran	223		pul	310	Daucu	car	397		mol	486		inflex
52		138	Ballo	nig	224		rem	311	Desch	ces	398		odorat	487		koc
53	Acino	139	Barba	int	225		rip	312		fle	399		*pal	488		mar
	Aconi	140		ver	226		rostra	313	Desma	mar	400		pal	489		squ
	Acoru	141		vul	227		ser	314		rig	401		saxat	490		subnod
56	Adoxa	142	Belli	per	228		spi	315	Digit	pur	402		ste	491		ten
57	Aegop	143	Berber	vul	229		sylv	316	Diplo	mur	403		uli	492	Junip	com
58	Aescu	144	Berul	ere	230		ves	317		ten	404		ver	493	Rickx	ela
59	Aethu	145	Beta	mar	231	Carli	vul	318	Dipsa	ful	405	Genis	ang	494	Knaut	arv
60	Agrim	146	Betul	pen	232	Carpi	bet	319		pil	406		tin	495	Koele	agg
61		147		pub	233	Casta	sat	320	Doron	par	407	Genti	ana	496	Labur	ana
62	Agros	148	Biden	cer	234	Catab	agu	321	Draba	inc	408		cam	497	Lamia	gal
63		149		tri	235	Centa	mon	322	Drose	int	409	Geran	col	498	Lamiu	alb
64		150	Black	per	236		nig	323		rot	410		dis	499		are
65		151	Blyam	com	237		sca	324	Echiu	vul	411		end	500		hyb
66		152	Brach	pin	238	Centa	ery	325	Eleoc	aci	412		luc	501		mac
67		153		syl	239		pul	326		mul	413		molle	502		pur
68	Aiza	154	Brass	nip	240	Centr	rub	327		palust	414		pha	503	Lapsa	com
69		155		nig	241	Ceras	arv	328		qui	415		pra	504	Larix	dec
70	Ajuga	156		rap	242		dif	329		uni	416		pus	505		x
71	Alche	157	Briza	med	243		font	330	Eleog	flu	417		pyr	506		kae
72	fil	158	Bronu	com	244		glo	331	Elode	can	418		robert	507	Lathr	squ
73	fil	159		ere	245		sem	332		nut	419		san	508	Lathy	mon
74		160	hor	hor	246		tom	333	Elymu	can	420		syl	509		pra
75		161		ram	247	Chaen	min	334		far	421	Geum x	int	510		syl
76	Alism	162		ste	248	Chaer	tem	335		pyc	422		riv	511	Lemna	gib
77	Allia	163	Bryon	dio	249	Chama	law	336		rep	423		urb	512		minor
78	Alliu	164	Buddl	dav	250	Chame	ang	337	Erpet	nig	424	Glauc	fla	513		pol
79		165	Buttom	umb	251	Cheli	maj	338	Epilo	bru	425	Glaux	mar	514		tri
80		166	Cakil	mar	252	Chene	alb	339		cil	426	Glech	hed	515	Leont	aut
81		167	Caia	can	253		bon	340		hir	427	Glyce	dec	516		his
82	Alnus	168		epi	254	Chene	mur	341		montan	428		flu	517		tar
83	Alope	169	Calli	agg	255		pol	342		obs	429		max	518	Lepid	cam
84		170		han	256		rub	343		pal	430		x ped	519		het
85		171		obt	257	Chrys	seg	344		par	431		pli	520		rud
86		172		sta	258	Chrys	alt	345		ros	432	Gnaph	syl	521	Leuca	vul
					259		opp	346		tet	433		uli	522	Leymu	are
											434	Groen	den			
											435	Gymna	con			

523	Ligus	ova	612	Odont	ver	694	Potam	alp	701	Rumex	*ace*	060	Solid	can	955	Valer	dio
524		vul	613	Oenan	aqu	695		ber	702		ace	069		gig	956		off
525	Liliu	mar	614		cro	696		cri	703		acetosa	070		vir	957	Valer	loc
526	Limon	vul	615		fis	697		gra	704		con	071	Sonch	arv	958	Verba	nig
527	Linar	pur	616		lac	698		luc	705		crispus	072		asp	959		thap
528		rep	617	Oenot	cam	699		nat	706		hyd	073		ole	960	Verbe	off
529		vul	618		ery	700		obt	707		lon	074	Sorb	*ari	961	Veron	agr
530	Linum	cat	619	Onobr	vic	701		pectin	708		obt	075		auc	962		ana
531	Liste	ova	620	Ononi	rep	702		per	709		san	076		int	963		arv
532	Litho	arv	621		spi	703		pol	710		pus	077	Sparg	ang	964		bec
533		off	622	Onopo	aca	704		pus	711		ape	078		eme	965		cat
534	Litto	uni	623	Ophry	api	705	Poten	ang	712		ape	079		ere	966		chanae
535	Loliu	mul	624	Orchl	mas	706		ans	713		ere	080		min	967		fil
536		per	625		mor	707		arg	714		mar	081	Spart	ang	968		hed
537	Lonic	per	626	Origa	vul	708		erecta	715		nod	082	Sperg	arv	969	hed	hed
538	Lotus	cor	627	Ornit	umb	709		pal	716		pro	083	Sperg	mari	970	hed	luc
539		uli	628	Ornit	per	710		rep	717		Sagit	084		med	971		mon
540	Lunar	ann	629	Oxali	ace	711		ste	718		agg	085		rub	972		off
541	Lupin	arb	630	Papav	arg	712	Primu	far	719		alb	086	Spira	agg	973		persic
542	Luzul	cam	631		dub	713		ver	720		aur	087	Stach	arv	974		pol
543		mul	632		rho	714		vul	721		cap	088		x	975		scu
544		pil	633		som	715		vu x ve	722		cin	089		off	976		ser
545		syl	634	Parap	str	716	Prune	vul	723		ole	090		pal	977	Vibur	lan
546	Lychn	flo	635	Parie	jud	717	Prunu	avi	724		fra	091		syl	978		opu
547	Lyciu	bar	636	Paris	qua	718		cerasus	725		pon	092	Stell	als	979	Vicia	cra
548		chi	637	Parna	pal	719		dom	726		phy	093		gra	980		hir
549	Lycop	eur	638	Pastl	sat	720		lauro	727		pur	094		hol	981		lat
550	Lysim	nem	639	Pedic	pal	721		pad	728		repens	095		*med	982	sat	nig
551		num	640		syl	722		spi	729		tri	096		med	983	sat	sat
552		pun	641	Penta	sem	723	Pseud	men	730		vim	097		neg	984		sep
553		vul	642	Betas	alb	724	Pucci	dis	731		Salso	098		nem	985		su
554	Lythr	por	643		fra	725		mar	732		ebu	099	Suaed	mar	986		
555		sal	644		hyb	726	Pulic	dys	733		nig	100	Succi	pra	987	Vinca	maj
556	Mahon	aqu	645	Phala	aru	727	Pulmo	off	734		val	101	Symph	riv	988		min
557	Malus	syl	646		can	728	Pyrul	min	735		min	102	Symph	off	989	Viola	arv
558	Malva	mos	647	Phleu	are	729	Pyrus	pyr	736		off	103		x	990		can
559		neg	648		pra	730	Querc	cer	737		eur	104		upl	991		hir
560		syl	649		ber	731		ile	738		off	105	Syrin	vul	992		lut
561	Marcu	vul	650		pra	732		pet	739		gra	106	Tamus	com	993		odorat
562	Matri	mat	651	Phrae	aus	733		rob	740		hyp	107	Tanac	par	994		pal
563		rec	652	Picea	abi	734	Ranun	acr	741		ste	108		vul	995		rei
564	Mecon	cam	653		sit	735		*aqu	742		tri	109		agg	996		riv
565	Medic	ara	654	Picri	ech	736		aqu	743		col	110	Taxus	bac	997	tri	tri
566		lup	655		hle	737		aur	744		lac	111	Thali	fla	998	Viscu	alb
567	sat	sat	656	Pimpi	maj	738		bulbo	745		tab	112		min	999	Wulff	bro
568	Melam	pra	657		sax	739		cir	746		nig	113	Thlas	arv	1000		myu
569	Melic	nut	658	Pingu	vul	740		fic	747		mar	114	Thuja	pli	1001	Wahle	hed
570		uni	659	Pinus	con	741		fic	748		syl	115	Thymu	pra	1002	Zanni	pal
571	Melil	alb	660		nig	742		fic	749		ann	116	Tilia	cor	1003	Popul	nig
572		alt	661		syl	743		fla	750		aur	117		x	1004	Tilia	pla
573		off	662	Plant	cor	744		hed	751		nod	118	Toril	jap	1005	Cerat	dem
574	Menth	aqu	663		lan	745		lingua	752		umb	119		nod	1006	Amara	ret
575		arv	664		maj	746		oni	753		gal	120	Trago	pra	1007	Salix	ago
576	x	pip	665		mar	747		pel	754		min	121	Trich	ces	1008	Ranun	flu
577	x	ver	666		med	748		pen	755		acr	122	Trifo	arv	1009	Poa	angus
578	x	vil	667	Plata	bif	749		repens	756		alb	123		cam	1010	Helia	rig
579	Menya	tri	668		chl	750		sce	757		ang	124		dub	1011	Helia	ann
580	Mercu	per	669	Poa	ann	751		tric	758		ref	125		fra	1012	Anthe	
581	Millu	eff	670		com	752	Rapha	rap	759		rosea	126		hyb	1013	Oenot	acr
582	Mimul	agg	671		nemor	753	Resed	lut	760		tei	127		medium	1014	Gallu	spu
583	Moehr	tri	672		*pra	754		luteola	761		tec	128		mic	1015	Gallu	pur
584	Molin	cae	673		pra	755	Reyno	jap	762		aqu	129		pra	1016	Bromu	arv
585	Monti	fon	674		sub	756		sac	763		eru	130		rep	1017	Menth	spi
586		per	675		tri	757	Rhamm	cat	764		jac	131	Trigl	mar	1018	Anthr	cau
587		sib	676	Polyg	ser	758		*min	765		aqu	132		pal	1019	Chara	agg
588	Mycel	mur	677		vul	759	Rhino	pon	766		syl	133	Tripl	ino	1020	Stell	pal
589	Myoso	arv	678	Polyg	mul	760	Rhync	alb	767		vis	134		mar	1021	Hotto	pal
590		dis	679	Polyg	amp	761	Ribes	alp	768		vul	135	Trise	fla	1022	Allism	lan
591		lax	680		are	762		nig	769		lig	136	Thit x	cro	1023	Anchu	off
592		ram	681		*avi	763		rub	770		vul f	137	Trall	cur	1024	Calli	pla
593	scorp		682		avi	764		san	771		vul f	138	Tsuya	het	1025	Calli	her
594		sec	683		bis	765		uva	772		tin	139	Tuss	far	1026	Isati	tin
595		syl	684		hydro	766	Rorip	amp	773		alb	140	Typha	ang	1027	Atrip	sab
596	Myoso	aqu	685		lap	767		pal	774		arv	141		lat	1028	Rumex	pal
597	Myric	gal	686		minus	768		syl	775		alb	142	Ulex	dur	1029	Bromu	leg
598	Myrio	alt	687		oxy	769	Rosa	agg	776		dio	143		gal	1030	Ulmus	cas
599		spi	688		per	770		arv	777		mar	144	Ulmus	gli	1031	Fontin	ago
600	Myrrh	odo	689		poly	771		*can	778		vul	145		pro	1032	Calam	syl
601	Narcl	pse	690	Popul	alb	772		pim	779		mar	146	Umbil	rup	1033	Azo	filic
602	Nardu	str	691		x canad	773		*rub	780		alb	147	Urtic	dio	1034	Potam	tr
603	Narth	oss	692		x canes	774		rugosa			arv	148		ure			
604	Nastu	mic	693		tre	775		*tom			amo	149		aus			
605		*off				776	Rubus	cae			off	150		min			
606		off				777		cham			ori	151		vul			
607		x m				778		*Eru			lat	152	Vacci	myr			
608	Neott	nid				779		ida			dul	153		oxy			
609	Nepet	cat				780		sax			nig	154		vit			
610	Nupha	lut															
611	Nymph	alb															

RIVER CODE: NENE 154





Photograph Number: 1



Photograph Number: 2