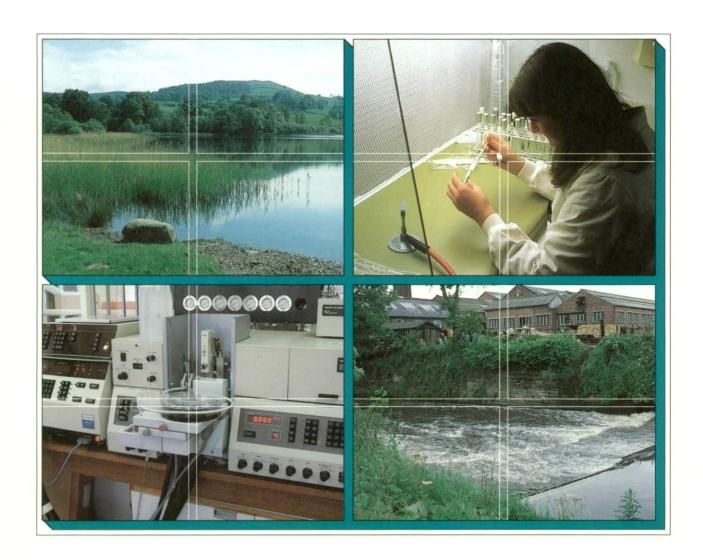


An audit of performance in the processing of macro-invertebrate samples in 1991. NRA Anglian Region

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Project leader:

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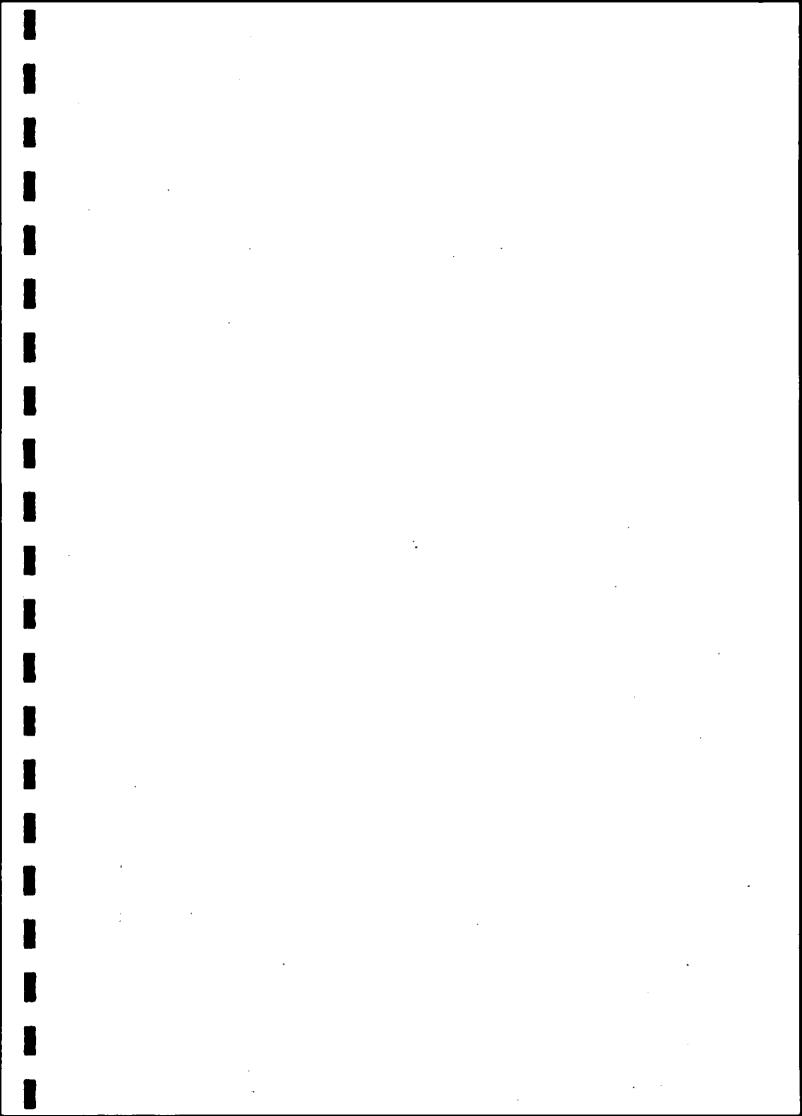
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1. INTRODUCTION

In 1991 the sampling of aquatic macro-invertebrates for the biological assessment of river quality continued throughout the United Kingdom. In England and Wales this task was undertaken by the National Rivers Authority (NRA), the River Purification Boards (RPBs) sampled in Scotland and the Department of Economic Development (DED) undertook the work in Northern Ireland.

The majority of sites were sampled in spring, summer and autumn. Standard collection procedures, as used in the 1990 River Quality Survey, were retained and the sampling strategy was therefore compatible with RIVPACS (River InVertebrate Prediction And Classification System), which has been developed by the Institute of Freshwater Ecology (IFE). For a variety of reasons, a few locations were sampled in just one or two seasons.

Samples were sorted by NRA, RPB and DED personnel for the families of macro-invertebrates included in the Biological Monitoring Working Party (BMWP) system. Taxa present were recorded on site data sheets. Sample processing and recording techniques varied from region to region.

In view of the number of staff involved and the variability of sample processing techniques, it was recognised that an independent quality control exercise was necessary to promote a consistently high level of reliability. As in 1990, the IFE was contracted to undertake an audit of the sample sorting and identification performance of each NRA region, several RPBs and the DED. This report presents the results of 60 samples audited for Anglian Region of the NRA. The IFE was not required to perform any statistical analyses nor interpretation of the results of the audit.

2. SAMPLE SELECTION

Samples for audit were selected internally by each of the agencies being monitored. The biologists processing these samples had no prior knowledge of the samples to be audited.

The manner of sample selection, which biologists would be monitored and the number of audit samples from each season, were left to the discretion of the agency, within the limits of the total number of samples that IFE was contracted to audit.

3. SAMPLE PROCESSING

The normal protocol for NRA, RPB and DED biologists was to sort their samples within the laboratory and to select examples of each scoring taxon within the BMWP system. In most cases, the invertebrates were placed in a vial of preservative (4% formaldchyde solution or 70% industrial alcohol) and the BMWP taxa were listed on a data sheet. The vial of animals and the sorted material were then returned to the sample container and preservative added. Thus, each sample available to IFE for audit should have included:

- i) a list of the BMWP FAMILIES FOUND IN THE SAMPLE
- ii) a vial containing representatives from each family
- iii) the preserved sample

When these three elements were present, the sequence of operations at IFE was as follows:

- a) The remainder of the sample was sorted and the BMWP families listed
- b) The families contained within the vial were identified and listed
- c) A comparison was made between the NRA listing of families and those identified from the vial by IFE
- d) A comparison was made between the NRA listing of families and those found in the sample by IFE
- e) "Losses" or "gains" from the NRA listing of families were noted. In the case of "gains", each additional family was identified, where possible, to species level, in order to clarify any specific repetitive errors.

For a number of different reasons, some samples did not include a vial containing representative examples of the families listed on the data sheet. Others arrived with the vial damaged in transit such that the representative examples were no longer separated. For these samples, only operations a), d) and e) above were appropriate.

Several directives were issued to IFE relating to the treatment of BMWP taxa. Terrestrial representatives of BMWP scoring families, animals deemed to have been dead at the time of sampling, cast insect skins, pupal exuviae, empty molluse shells and posterior ends of "living" specimens were to be excluded from the listing of families present. Trichopteran pupae, although not routinely identified by many biologists, were to be included in the listing of families.

4. REPORTING

The results of each sample audit were recorded on a standard report form (Table 1). For audit samples where a vial of animals was included, the comparison between the NRA listing and the taxa found in the vial by IFE was shown in box A of the report form. Discrepancies could be due to carelessness, misidentifications or errors in completing the NRA data sheet. Families not on the NRA listing but found by IFE in the remainder of the sample were entered in box B of the report form under "additional families". When the families listed as "losses" in section A of the report form were compared with the full list of families recorded in the sample by IFE, some apparent losses from the vial were offset by the presence of those families in the remainder of the sample. These taxa were therefore listed in the "losses" box of section A and the "gains" box of section B and were neither a net loss nor a net gain. In these cases, the families were marked with an asterisk in both boxes. Such errors are noted as "omissions" in the tables which summarise the results for each season (Tables 2, 3 and 4).

Species identifications, state of development (eg adult or larval coleopterans) and the presence of a single representative of a family within the remainder of the sample were recorded in the notes section of the report form. Where the NRA data sheet indicated that a family was noted and released at the site, this was recorded in the notes section but not included as a "loss", even though the family was not found in the vial.

For those samples in which the vial of animals was damaged or missing, box A of the report form was not applicable (N/a). Families not on the NRA list but present in the sample were listed in box B under "additional families" as before. Families recorded on the NRA list but not found by IFE were indicated on the left hand side of box B. If the vial of animals was retained by the NRA, entries in this box could include the sole representative of a family which was removed by the NRA, a family seen at the site which escaped or was released (without mention being made on the NRA data sheet), inaccurate identification, the wrong family box being ticked on the NRA data sheet or the family being present in the sample but missed by IFE.

Results of the audits of individual samples are presented in the Appendix.

ACKNOWLEDGEMENTS

Thanks to Mike Furse for help and advice, to Kay Symes and Angela Matthews for assistance with cataloguing and storage of samples and to Valerie Palmer and Diana Morton for typing the manuscript.

RIVER	
SITE	
SAMPLE CODE	
N VIAL B. IN S	AMPLE
LOSSES	CAINS
BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
1	
BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
(This box only completed when no vial supplied with sample)	
NET LOSSES	NET CAINS
	SITE SAMPLE CODE N VIAL B. IN S LOSSES BMWP FAMILIES NOT FOUND BY IFE (This box only completed when no vial supplied with sample) NET LOSSES

TABLE 2. The 18 spring samples audited for Anglian Region, with sample sorter initials and numbers of taxa 'lost', 'gained' and 'omitted'

River	Site	Sorter	Losses	Gains	Omissions
Blackwater B1019 Bridge		FCB	1	0	0
Old Course Nene	B1098 Bridge	BW	1	5	1
Stowlangtoft Stream	A1088 Bridge	SEH	0	3	0
Welland	D/s Collywestom STW	PH	0	1	1
Pitsford Arm	A508 Bridge	IG	0	1	0
West Fen Drain	Fishtoft Drove	CAE	0	0	2
County Drain	Occupation Bridge	JN	0	4	1
Wattisham W/c	Badley Bridge	EB	1	2	0
Sixteen Foot Drain	Cottons Corner	TNA	1	1	0
Nar	A10 Bridge	JN	0	1	0
Rattlesden	Burford Bridge	EB	0	0	. 0
Gwash	Tickencote	PH	0	2	0 .
*Delph Ditch	Hadleigh Sea Wall	PJM	0	1	0
Bain	U/s Coningsby STW	SJL	1	1	0
*Pitsea Flect	Access Road WDS	PJM	0	1	0
Welton Beck	Welton/Dunholme Road	SJL	0	0	2
Ore	Marlesford Bridge	MJ	0	2	0
Stonebridge Drain	Sibsey	CAE	0	0	0

^{*} indicates no vial of animals present in sample.

TABLE 3. The 21 summer samples audited for Anglian Region, with sample sorter initials and numbers of taxa 'lost', 'gained' and 'omitted'

River	Site	Sorter	Losses	Gains	Omissions
Skerth Drain	A1121 Bridge	PH	0	2	0
Ancholme	Bishopsbridge	SJB	0	2	0
Virley Brook	Hall Road Bridge	FCB	0	0	0
Lower Witham	Five Mile House	SJL	1	1	1
Spickets Brook	Scraley Road	FCB	0	0	0
Kyme Eau	Halfpenny Hatch	CAE	0	2	0
Hintlesham W/c	Church Lane Bridge	MJ	1	0	. 0
Car Dyke	Potterhanworth Wood	SJL	0	1	0
Nettleton/Caistor	North End	SJB	1	1	0
Soham Lode	Barway Bridge	BW	0	3	0
Grand Union Canal	A43 Bridge	IG	0	1	2
Blackwater	Kings Bridge	РЈМ	0	0	0
Tenpenny Brook	E.of Stable Wood	PJM	0	0	0
Wootton Brook	Preston Deanery	IG	1	2	0
Sixteen Foot Drain	Cottons Corner	TNA	0	0	1
Waveney	Billingford Bridge	EJB	1	0	0
Newmarket No.1 Drain	Snailwell	BW	1	0	1
Ouse	Haversham	PDB	2	5	0
Coddenham W/c	A140 Bridge	MJ	0	2	0
Stoke Brook	D/s Lower Locks	PDB	1	1	0
Old Course Nene	B1098 Bridge	TNA	0	2	0

TABLE 4. The 21 autumn samples audited for Anglian Region, with sample sorter initials and numbers of taxa 'lost', 'gained' and 'omitted'.

River	Site	Sorter	Losses	Gains	Omissions
Sandon Brook	U/s East Arm	РЈМ	2	6	2
Hackthorn Beck	Cold Hanworth	JR	0	0	0
Grand Union Canal	East of A5	SJL	1	2	1
Lymn	Salmonby/Sowerby Bridge	PH	1	2	1
Helkington Head Dyke	B1395 Bridge	CAE	0	1	0
Holbrook	B1080 culvert	FCB	0	0	0
East Weir Dyke	Saxby Bridge	SJB	0	4	0
Bourne Eau	Tongue End	IG	0	0	0
Billinghay Skerth	Walcott Dales	CAE	0	1	2
Woldgrift Drain	Old Railway Bridge	PH	0	0	0
Newmarket No.1 Drain	D/s STW	SEH	0	2	0
The Beck	Chambers Hill	EB	0	1	1
Glaven	Edgefield Bridge	MJ	0	2	0
Barlings Eau	Langworth	JR	0	2	0
Grand Union Canal	B4036 Bridge	SJL	1	1	0
Sandon Brook	Little Baddow	РЈМ	0	3	, 0
Stoke Brook	D/s Lower Locks	PDB	0	1	0
Elstow/Cople Brook	Dog Farm	JN	1	3	1
Kennet	Beck Bridge	TNA	0	0	2
Renhold Brook	A428 Bridge	JN	1	2	1
Trib. Ramsey	Upwood Farm Road culvert	SEH	0	1	0

APPENDIX

Results of individual sample audits

F	REGION Anglian	RIVER	Blackwater				
	DATE 17.4.91	SITE	B1019 Bridge				
5	SORTER FCB SAMPLE CODE R01BFBL0070						
P	AQC OF BMWP FAMILIES A. IN VIAL + B. IN SAMPLE +						
		LOSSES	GAINS				
A	<u>VIAL</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE				
**	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	1 Curculionidae	None				
В	<u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE				
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only complet when no vial supplied with sample)					
	NET LOSSES 1 NET GAINS 0						
NOTES 1 Not included in 1991 survey							

F	Anglian	RIVER Old	Course Nene				
	DATE 17.4.91	SITE Pop	hams Eau B1098 Br				
S	SORTER BW SAMPLE CODE NRA01 0687						
A	AQC OF BMWP FAMILIES A. IN VIAL + B. IN SAMPLE +						
		LOSSES	GAINS				
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE				
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	1 Viviparidae 2 Haliplidae*	3 Hydrobiidae 4 Oligochaeta 5 Leptoceridae 6 Chironomidae				
•							
В	<u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE				
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	7 Haliplidae* 8 Psychomyiidae				
NET LOSSES NET GAINS 5							
ľ	1,3 Bithynia leachi 6 Mystacides longicornis/nigra 7 Haliplus lineolatus (adults) 8 Ecnomus tenellus						

REGION Anglian	RIVER	Stowlangtoft Stream			
DATE 17.4.91	CIME .	A1088 Ixworth Wolpit			
SORTER SEII	CAMPLE CORE	NRA01 0603			
AQC OF BMWP FAMILIES A. IN VIAL + B. IN SAMPLE +					
	LOSSES	GAINS			
A VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE			
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	None	1 Chironomidae			
B SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE			
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	2 Hydrobiidae 3 Tipulidae			
	NET LOSSES 0	NET GAINS 3			
NOTES 1 Tanypodinae, Tanyt 2 Bithynia tentacula 3 Pilaria sp.					

R	EGION	Anglian	RIVER	Welland
	DATE	16.4.91	SITE	D/s Collyweston STW
S	ORTER	PH	SAMPLE CODE	RO5BFWELL26OC
A	QC OF 1	BMWP FAMILIES A. II	N VIAL + B. 3	IN SAMPLE +
			LOSSES	GAINS
A		VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) Bl on ii) Bl	rences between: MVP families listed n sample data sheet and MVP families found n VIAL by IFE	1 Chironomidae*	None
<u></u>			II	·
В		<u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) Bl	rences between: MWP families listed n sample data sheet and MWP families found n SAMPLE by IFE	(This box only complete when no vial supplied with sample)	
			NET LOSSES	0 NET GAINS 1
N	OTES	3 Simulium posticat	um (larva) 1 only	

	_				
REGION Anglian	RIVER	Pitsford Arm			
DATE 12.4.91	SITE	A508 Bridge			
SORTER IG	SAMPLE CODE	RO5BFPITSO2OP			
AQC OF BMWP FAMILIES A. IN VIAL + B. IN SAMPLE +					
	LOSSES	GAINS			
A VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE			
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	None	None			
B SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE			
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only complet when no vial supplied with sample)				
	NET LOSSES	NET GAINS 1			
NOTES 1 Lymnaea palustris					

F	REGION Anglian	RIVER	Vest Fen Drain
	DATE 16.4.91	SITE	Fishtoft Drove
8	SORTER CAE	SAMPLE CODE F	RO3BFWEFNO8OF
į	AQC OF BMWP FAMILIES A. II	N VIAL B. IN	SAMPLE +
		LOSSES	GAINS
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	1 Oligochaeta* 2 Elmidae*	None
В	<u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	3 Oligochaeta* 4 Elmidae*
		NET LOSSES 0	NET GAINS 0
ì	NOTES 4 Oulimnius sp. (ad	ults)	
-			

		<u></u>) r			
F	REGION	Anglian	RIVER	County Drain		
	DATE	20.5.91	SITE	Occupation Bridge d/s STW		
S	ORTER	JN	SAMPLE CODE	NRA01 0709		
·A	AQC OF BMWP FAMILIES A. IN VIAL + B. IN SAMPLE +					
			LOSSES	CAINS		
Α		VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
	i) l	erences between: BMWP families listed on sample data sheet and BMWP families found in VIAL by IFE	1 Caenidae*	2 Ephemerellidae 3 Leuctridae		
 -						
В		<u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
	i) 1 (ii) 1	erences between: BMWP families listed on sample data sheet and BMWP families found in SAMPLE by IFE	(This box only complet when no vial supplied with sample)			
	NET LOSSES 0 NET GAINS 4					
NOTES 2 Ephemerella ignita 1 only 3 Leuctra nigra 1 only 4 Lymnaea peregra 1 only 5 Helobdella stagnalis 1 only 6 Caenis horaria						
	Label in vial says "Baetidae"; none found by IFE in sample.					

REGION	Anglian	RIVER Wa	ttisham Watercourse			
DATE	15.5.91	SITE	dley Bridge			
SORTER	EB	SAMPLE CODE NR	A01 0884			
AQC OF	AQC OF BMWP FAMILIES A. IN VIAL + B. IN SAMPLE +					
		LOSSES	CAINS			
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE			
i)	erences between: BMWP families listed on sample data sheet and BMWP families found	1 Corixidae	2 Notonectidae 3 Sphaeriidae			
	in VIAL by IFE					
В	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE			
i)	erences between: BMWP families listed on sample data sheet and BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	None			
		NET LOSSES	NET GAINS Z			
NOTES	NOTES 2 Indet Notonectid nymph 3 Pisidium sp., Sphaerium sp.					
•						

R	EGION Anglian	RIVER	Sixteen Foot Drain
	DATE 17.4.91	SITE	Cottons Corner
S	ORTER TNA	SAMPLE CODE	NRA01 0684
A	QC OF BMWP FAMILIES A. IN	N VIAL + B. I	N SAMPLE +
		LOSSES	GAINS
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	1 Viviparidae	None
В	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only complete when no vial supplied with sample)	2 Oligochaeta
		NET LOSSES 1	NET CAINC 1
NET LOSSES NET GAINS 1			
N	OTES		

REGION A	nglian	RIVER Na	ır	
DATE 2	0.5.91	SITE	O Bridge Setchey	
SORTER J	N	SAMPLE CODE NR	A01 0705	
AQC OF BMWI	P FAMILIES A. IN	N VIAL + B. IN	SAMPLE +	
		LOSSES	GAINS	
A	<u>/IAL</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE	
i) BMWP on sa ii) BMWP	ces between: families listed ample data sheet and families found IAL by IFE	None	None	
		1		
B <u>S/</u>	AMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE	
i) BMWP on sa ii) BMWP	ces between: families listed ample data sheet and families found AMPLE by IFE	(This box only completed when no vial supplied with sample)	1 Sphaeriidae	
	NET LOSSES 0 NET GAINS 1			
NOTES 1	Pisidium sp.	· · · · · · · · · · · · · · · · · · ·		
L. G	abels in vial sugge yrinidae were found	est that Lymnaeidae, Asell 1 by NRA	idae, Pleidae and	

		•
REGION Anglian	RIVER	Rattlesden
DATE 15.5.91	SITE	Burford Bridge
SORTER EB	SAMPLE CODE	NRA01 0880
AQC OF BMWP FAMILIES A. IN	N VIAL #	IN SAMPLE +
	LOSSES	GAINS
A VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	None	None
B SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only complet when no vial supplied with sample)	
	NET LOSSES	0 NET GAINS 0
NOTES		

R	EGION Anglian	RIVER	Gwash	
	16.4.91	SITE	Tickencote	
S	ORTER PH	SAMPLE CODE	R05BFGWSH230T	
A	QC OF BMWP FAMILIES A. IN	VIAL +	N SAMPLE +	
		LOSSES	GAINS	
A	<u>VIAL</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE	
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	None	1 Sphaeriidae	
В	SAMPLE	BMWP FAMILIES NOT	ADDITIONAL FAMILIES	
_		FOUND BY IFE	FOUND BY IFE	
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only complete when no vial supplied with sample)	2 Goeridae	
NET LOSSES 0 NET GAINS 2				
N	OTES 1 Pisidium sp. 2 Goera pilosa 1 onl	L y		

REGION Anglian	RIVER	elph Ditch
DATE 30.5.91	SITE	dleigh Sea Wall
SORTER PJM	SAMPLE CODE RO	11BFHADLY012
AQC OF BMWP FAMILIES A. IN	VIAL B. IN	SAMPLE +
	LOSSES	GAINS
A VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	No vial of animals provided - hence not applicable	N/a
B SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	1 Limnephilidae
	NET LOSSES 0	NET CAINS 1
NOTES 1 Limnephilus sp (pu	ipa) 1 only	

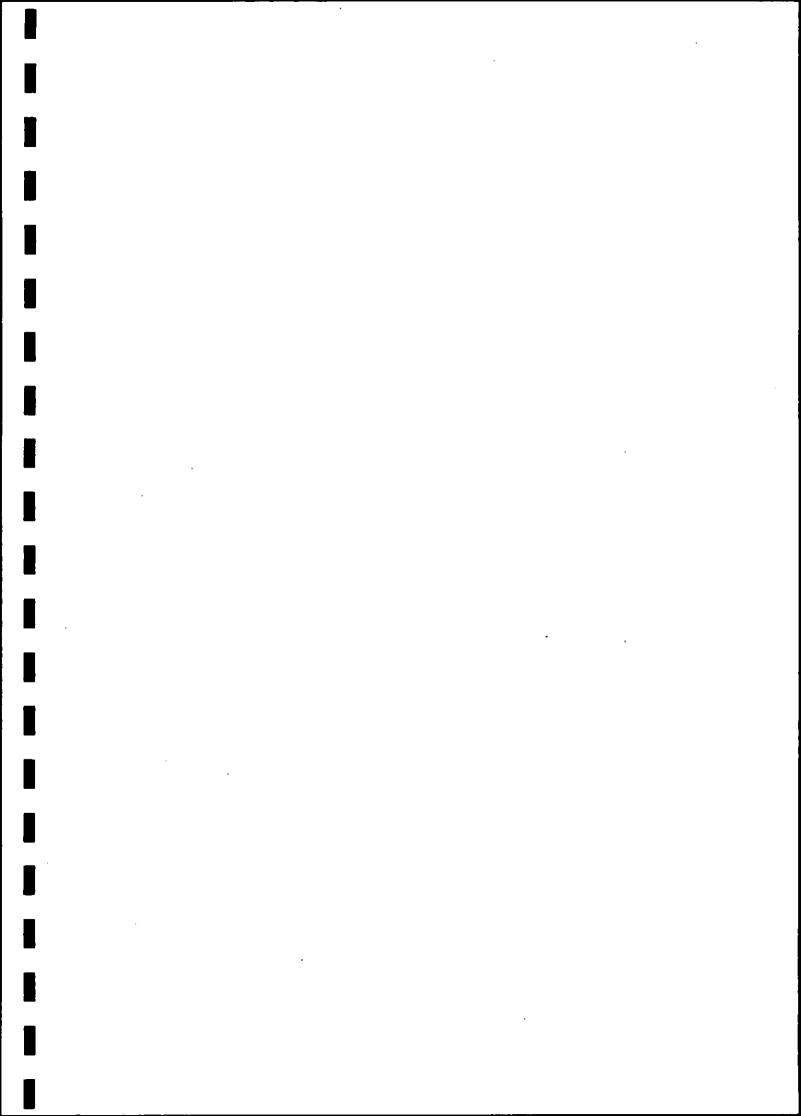
R	REGION	Anglian	RIVER	ain
	DATE	22.5.91	SITE	/s Coningsby STW
S	ORTER	SJL	SAMPLE CODE N	o code given
A	QC OF	BMWP FAMILIES A. IN	N VIAL + B. IN	SAMPLE +
,			LOSSES	GAINS
A		VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) B o ii) B	rences between: MWP families listed n sample data sheet and MWP families found n VIAL by IFE	1 Elmidae	2 Hydrophilidae
		- nersia		,
В		<u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) B o ii) B	rences between: MWP families listed n sample data sheet and MWP families found n SAMPLE by IFE	(This box only completed when no vial supplied with sample)	None
·			NET LOSSES 1	NET CAINS 1
	NOTES	1 Terrestrial beetl 2 Laccobius minutus		

R	EGION Anglian	RIVER	itsea Fleet		
	DATE 30.5.91	SITE	ccess Road WDS		
S	ORTER PJM	SAMPLE CODE R	01BFPITSE005		
A	QC OF BMWP FAMILIES A. II	N VIAL B. IN	SAMPLE +		
	•	LOSSES	GAINS		
Α	<u>VIAL</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	No vial of animals provided - hence not applicable	N/a		
В	SAMPLE	BMWP FAMILIES NOT	ADDITIONAL PARTITICS		
Ц	<u>omu po</u>	FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	1 Hydrophilidae		
	NET LOSSES 0 NET GAINS 1				
N	1 Indet Hydrophilid	larva 1 only	4		

R	EGION Anglian	RIVER	Welton Beck
	DATE 20.5.91	SITE	Welton/Dunholme Road
S	ORTER SJL	SAMPLE CODE	No code given
A	QC OF BMWP FAMILIES A. IN	N VIAL + B. I	N SAMPLE +
		LOSSES	GAINS
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found	1 Oligochaeta* 2 Baetidae*	None
	in VIAL by IFE		
В	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
:	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only complete when no vial supplied with sample)	3 Oligochaeta* 4 Baetidae*
	-	NET LOSSES (NET GAINS 0
N	OTES	· · · · · · · · · · · · · · · · · · ·	

REGION Anglian	RIVER	re		
DATE 16.5.91	SITE	arlesford Bridge		
SOPTED		ar restord bridge		
SORIER MJ	SAMPLE CODE N	RA01 0859		
AQC OF BMWP FAMILIES A.	IN VIAL + B. IN	SAMPLE +		
	LOSSES	GAINS		
A VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	li e	None		
B <u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE		1 Hydrobiidae 2 Hydroptilidae		
	-			
NET LOSSES 0 NET GAINS 2				
NOTES 1 Bithynia leach 2 Hydroptila sp.				

REGION Anglian	RIVER	tonebridge Drain
DATE 16.4.91	SITE	libsey
SORTER CAE	SAMPLE CODE R	03BFSTON030S
AQC OF BMWP FAMILIES A. IN	V VIAL B. IN	SAMPLE +
	LOSSES	GAINS
A <u>VIAL</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	None	None
B <u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	None
	NET LOSSES 0	NET GAINS 0
NOTES		



REGION Anglian	RIVER	Skerth Drain		
37 DATE 18.7.91	SITE	All21 Bridge		
SORTER PH	SAMPLE CODE	RO3BFSKER060A		
AQC OF BMWP FAMILIES A. IN VIAL + B. IN SAMPLE +				
	LOSSES	GAINS		
A <u>VIAL</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
Differences between: i) BMWP families listed on sample data sheet and	None	None		
ii) BMWP families found in VIAL by IFE	,··			
	,			
B <u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)			
NET LOSSES 0 NET GAINS 2				
NOTES 1 Lymnaea sp. 2 Lestes sponsa 1 only				
	·			

F	REGION	Anglian	RIVER	Ancholme
	DATE	17.7.91	SITE	Bishopsbridge
S	SORTER	SJB	SAMPLE CODE	RO3BFANCNO6OB
AQC OF BMWP FAMILIES A. IN VIAL # B. IN SAMPLE #			SAMPLE +	
			LOSSES	GAINS
Α		VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) B	rences between: MWP families listed n sample data sheet and	None	None
		MWP families found n VIAL by IFE	<i>,</i> ·	,
'n		CAMPLE	NIGIT WILLIAM NO.	1
В		<u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) B o ii) B	rences between: MWP families listed n sample data sheet and MWP families found n SAMPLE by IFE	(This box only completed when no vial supplied with sample)	1 Baetidae 2 Hydrometridae
!				
·			NET LOSSES 0	NET GAINS 2
1	NOTES	1 Baetis vernus, Cl 2 Hydrometra sp. (n	oeon dipterum ymph) 1 only	

R	EGION Anglian	RIVER Vi	rley Brook			
3	DATE 10.7.91	SITE Ha	all Road Bridge Virley			
S	ORTER FCB	SAMPLE CODE RO1BFMT1220				
AQC OF BMWP FAMILIES A. IN VIAL #						
		LOSSES	GAINS			
A	<u>VIAL</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE			
	Differences between: i) BMWP families listed on sample data sheet and	None	None			
	ii) BMWP families found in VIAL by IFE	, ··				
	•					
В	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE			
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	None			
		·				
		NET LOSSES 0	NET GAINS 0			
N	OTES					
		·				

F	REGION Anglian	RIVER	ower Witham			
	DATE 10.6.91	SITE	ive Mile House			
SORTER SJL		SAMPLE CODE U	Unknown			
AQC OF BMWP FAMILIES A. IN VIAL B. IN SAMPLE +						
		LOSSES	GAINS			
Α	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE			
	Differences between: i) BMWP families listed on sample data sheet and	1 Dendrocoelidae 2 Sphaeriidae≉	None			
	ii) BMWP families found in VIAL by IFE	, ··				
В	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE .			
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	3 Sphaeriidae* 4 Notonectidae			
NET LOSSES 1 NET GAINS 1						
NOTES 3 Sphaerium sp., Pisidium sp. 4 Notonecta sp. (nymphs)						
٠						

F	REGION	Anglian	RIVER	Spickets Brook			
, j	DATE	10.7.91	SITE				
10.7.51			<u></u> i	Scraley Road			
SORTER FCB		FCB	SAMPLE CODE	R01BFMT8626			
AQC OF BMWP FAMILIES A. IN VIAL # B. IN SAMPLE #							
LOSSES GAINS							
A		VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY 1FE			
	i) BMWP	ces between: families listed ample data sheet	None	· None			
		and families found IAL by IFE	, .				
, -,							
В	<u>s.</u>	AMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE			
	i) BMWP on s	ces between: families listed ample data sheet and families found AMPLE by IFE	(This box only completed when no vial supplied with sample)	None .			
NET LOSSES 0 NET GAINS 0							
NOTES							
•			,				

		[···				
R	EGION Anglian	RIVER Ky	me Eau			
ر ن	9.7.91	SITE Ha	lfpenny Hatch			
S	SORTER CAE SAMPLE CODE Unknown					
A	AQC OF BMWP FAMILIES A. IN VIAL B. IN SAMPLE +					
		LOSSES	GAINS			
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE			
	Differences between: i) BMWP families listed on sample data sheet and	None	None			
	ii) BMWP families found in VIAL by IFE	, ".				
В	<u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE			
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	1 Hydrometridae 2 Haliplidae			
		NET LOSSES 0	NET GAINS 2			
		L	<u> </u>			
N	OTES 1 Hydrometra sp. (n					
	2 Haliplus sp. (lar	vae)				
			•			

				•
1	REGION	Anglian	RIVER	intlesham Watercourse
	S DATE	18.6,91	SITE	hurch Lane Bridge
:	SORTER	MJ	SAMPLE CODE R	04BFBEL030
AQC OF BMWP FAMILIES A. IN VIAL B. IN SAMPLE +				
			LOSSES	GAINS
A		VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) BM	ences between: VP families listed sample data sheet and	1 Scirtidae	None
		WP families found VIAL by IFE	, "	
В		SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) BM1	ences between: WP families listed sample data sheet and	(This box only completed when no vial supplied with sample)	None
		WP families found SAMPLE by IFE		
	·			
			·	
NET LOSSES 1 NET GAINS 0				
	<u></u>			
]	NOTES	Glossiphoniidae not on label.	found in vial but "+ Glo	ssiphoniidae" written

REGION	Anglian	RIVER	Car Dyke	
DATE	10.6.91	SITE	Potterhanworth Wood	
SORTER SJL SAMPLE CODE Unknown				
AQC OF BMWP FAMILIES A. IN VIAL # B. IN SAMPLE #			N SAMPLE +	
		LOSSES	GAINS	
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE	
i) Bi	rences between: MWP families listed n sample data sheet	None	None	
	and MWP families found n VIAL by IFE	, ·	·	
В	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE	
i) Bi o: ii) Bi	rences between: MWP families listed n sample data sheet and MWP families found n SAMPLE by IFE	(This box only complete when no vial supplied with sample)	d 1 Tipulidae	
NET LOSSES 0 NET GAINS 1				
NOTES	1 Indet Tipulid lar	va 1 only		

REGION Anglian		RIVER	Wettleton Beck/Caistor Canal	
17.7.91		SITE	North End	
SORTER SJB SAMPLE CODE RO3BFCA1CO2ON				
AQC OF BMWP FAMILIES A. IN VIAL #				
		LOSSES	GAINS	
A VIAL	14	FAMILIES NOT OUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE	
Differences between i) BMWP families on sample da and ii) BMWP families	s listed ta sheet s found	liidae	None	
in VIAL by I	FE	· · · · · · · · · · · · · · · · · · ·		
B <u>SAMPLE</u>		FAMILIES NOT OUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE	
Differences between i) BMWP families on sample da and ii) BMWP families in SAMPLE by	s listed when r ta sheet w	oox only completed to vial supplied vith sample)	2 Elmidae	
NOTES 1 Velia s	p. present in via	NET LOSSES 1	NET CAINS 1	
Z CIMIS &	enea (adult) 1 on]	ıy	·	

REGION Anglian	RIVER	Soham Lode		
3 DATE 10.6.91	SITE	Barway Bridge		
SORTER BW	SAMPLE CODE	NRA01 0576		
AQC OF BMWP FAMILIES A. IN	VIAL B. IN	SAMPLE +		
	LOSSES	GAINS		
A VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
Differences between: i) BMWP families listed on sample data sheet and	None	None		
ii) BMWP families found in VIAL by IFE				
B <u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	1 Physidae 2 Gerridae 3 Leptoceridae		
NET LOSSES 0 NET GAINS 3				
NOTES 1 Physa fontinalis 2 Gerris sp. (nymph 3 Athripsodes sp. ()) 1 only pupa) 1 only			

REGION Anglian	RIVER	and Union Canal
ST DATE 11.7.91	SITE	3 Blisworth
SORTER IG	known	
AQC OF BMWP FAMILIES A. IN VIAL # B. IN SAMPLE #		
	LOSSES	GAINS
A VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
Differences between: i) BMWP families li on sample data s and		None
ii) BMWP families fo in VIAL by IFE	und	
		ì
B <u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
Differences between: i) BMWP families li on sample data s and ii) BMWP families fo in SAMPLE by IFE	sted when no vial supplied heet with sample)	3 Hydrobiidae* 4 Lymnaeidae* 5 Glossiphoniidae
NOTES	NET LOSSES 0	NET GAINS 1
3 Bithynia te 4 Lymnaea per		

I	REGION Anglian	RIVER B	lackwater		
•	10.7.91	SITE	ings Bridge		
	SORTER PJM SAMPLE CODE RO1BFBL08				
£	AQC OF BMWP FAMILIES A. IN VIAL B. IN SAMPLE +				
		LOSSES	GAINS		
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
	Differences between: i) BMWP families listed on sample data sheet and	None	None		
	ii) BMWP families found in VIAL by IFE	···			
В	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	None		
		· ·			
		NET LOSSES 0	NET GAINS 0		
ì	NOTES				

F	EGION Anglian	RIVER	Tenpenny Brook		
. •	10.7.91	SITE	East of Stable Wood		
S	SORTER PJM	SAMPLE CODE	R01BFTG1405		
F	AQC OF BMWP FAMILIES A. IN VIAL B. IN SAMPLE +				
		LOSSES	GAINS		
A	<u>VIAL</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
	Differences between: i) BMWP families listed on sample data sheet and	None	None		
	ii) BMWP families found in VIAL by IFE				
В	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	None		
NET LOSSES 0 NET GAINS 0					
N	IOTES				
•					

R	EGION	Anglian	RIVER	Wootton Brook
Š	DATE	11.7.91	SITE	Preston Deanery
SORTER IG			SAMPLE CODE Unknown	
AQC OF BMWP FAMILIES A. IN			N VIAL B.	IN SAMPLE +
			LOSSES	GAINS
A		VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) B	rences between: MWP families listed n sample data sheet and	1 Veliidae	None
	-	MWP families found n VIAL by IFE		
В		SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) E	rences between: MWP families listed in sample data sheet and MWP families found in SAMPLE by IFE	(This box only complet when no vial supplied with sample)	
		,	NET LOSSES	1 NET GAINS 2
NOTES		1 Velia sp. present 2 Valvata cristata 3 Acroloxus lacustr	in vial but not includ	led in BMWP system

F	REGION Anglian	RIVER	ixteen Foot Drain		
-	DATE 24.6.91	SITE	ottons Corner		
5	SORTER TNA SAMPLE CODE NRA01 0684				
£	AQC OF BMWP FAMILIES A. IN VIAL + B. IN SAMPLE +				
		LOSSES	GAINS		
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
	Differences between: i) BMWP families listed on sample data sheet	1 Oligochaeta*	None		
	and ii) BMWP families found in VIAL by IFE				
В	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	2 Oligochaeta*		
	·				
	· ·	NET LOSSES 0	NET GAINS 0		
ì	NOTES				
		·			

I	REGION Anglian	RIVER	Waveney			
•	8.7.91	SITE	Billingford Bridge			
5	SORTER SAMPLE CODE RO4BFWAV040					
I	AQC OF BMWP FAMILIES A. IN VIAL # B. IN SAMPLE #					
		LOSSES	GAINS			
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE			
	Differences between: i) BMWP families listed on sample data sheet and	1 Piscicolidae	None			
	ii) BMWP families found in VIAL by IFE					
В	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE			
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	None			
		NET LOSSES 1	NET GAINS 0			
ì	NOTES					

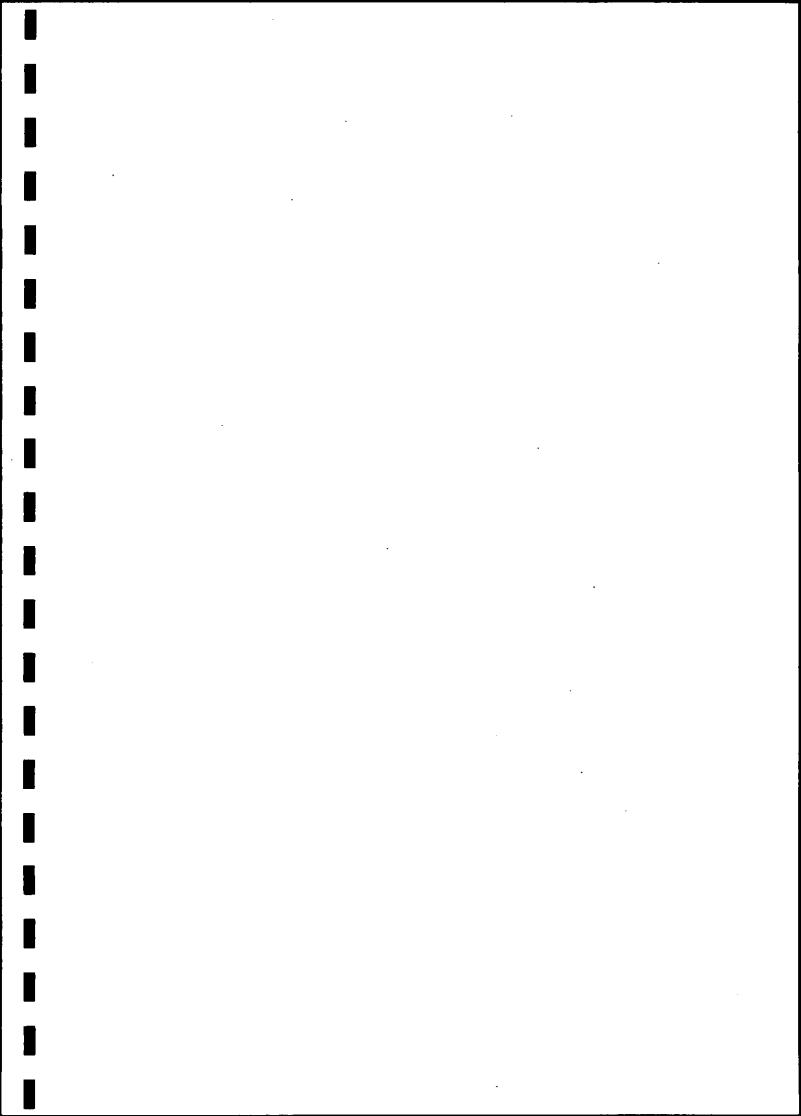
F	REGION Anglian	RIVER	Newmarket No 1 Drain		
;	10.6.91	SITE)/s STW Snailwell		
SORTER BW SAMPLE CODE NRA01 0572					
A	AQC OF BMWP FAMILIES A. II	N VIAL B. IN	SAMPLE +		
,		LOSSES	GAINS		
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
	Differences between: i) BMWP families listed on sample data sheet and	1 Oligochaeta* 2 Tipulidae	None		
	ii) BMWP families found in VIAL by IFE	."			
В	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	3 Oligochaeta*		
	NET LOSSES 1 NET CAINS 0				
ì	NOTES 2 Empidid larva (Wi	edemannia group) in vial			

REGION	Anglian	RIVER	duse		
.∜°DATE	10.6.91	SITE	aversham		
SORTER	PDB	SAMPLE CODE N	RA01 0406		
AQC OF	AQC OF BMWP FAMILIES A. IN VIAL + B. IN SAMPLE +				
		LOSSES	GAINS		
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
i)	erences between: BMWP families listed on sample data sheet and	1 Gerridae 2 Hydrometridae	None		
1 '	BMWP families found in VIAL by IFE				
В	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
i) ii)	erences between: BMWP families listed on sample data sheet and BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	3 Physidae 4 Ephemerellidae 5 Aphelocheiridae 6 Leptoceridae 7 Tipulidae		
NET LOSSES 2 NET CAINS 5					
NOTES	NOTES 3 Physa fontinalis 4 Ephemerella ignita 5 Aphelocheirus aestivalis 1 only 6 Athripsodes cinereus, Ceraclea dissimilis 7 Pilaria sp. (pupa) 1 only				

R	REGION Anglian	RIVER	oddenham Watercourse		
S	S DATE	SITE			
	18.6.91	A	140 Bridge		
S	SORTER MJ SAMPLE CODE RO4BFG1P147				
AQC OF BMWP FAMILIES A. IN VIAL # B. IN SAMPLE #					
		LOSSES	GAINS		
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
	Differences between: i) BMWP families listed on sample data sheet and	None	None		
	ii) BMWP families found in VIAL by IFE	<i>,</i>			
		· ·			
В	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only completed when no vial supplied with sample)	1 Sphaeriidae 2 Elmidae		
N	TOTES 1 Pisidium sp.	NET LOSSES 0	NET GAINS 2		
	2 Elmis aenea (larv	a) 1 only			

R	EGION	Anglian	RIVER	Stoke Brook
ŝ	TDATE	10.6.91	SITE	D/s Lower Locks
SORTER PDB SAMPLE CODE NRA01 0404				
A	QC OF BM	WP FAMILIES A. IN	VIAL B. IN	SAMPLE +
			LOSSES	CAINS
A		<u>VIAL</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
ŀ	i) BMW	nces between: P families listed sample data sheet and	1 Gerridae	None
	•	P families found VIAL by IFE	<i>,</i> ··	
į	•			
В		SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) BMW on ii) BMW	nces between: P families listed sample data sheet and P families found SAMPLE by IFE	(This box only completed when no vial supplied with sample)	2 Hydrobiidáe
			NET LOSSES 1	NET GAINS 1
N	OTES	2 Potamopyrgus jenk	insi	

R	EGION	Anglian	RIVER	Old Course Nene
	DATE	24.6.91	SITE	Pophams Eau B1098 Bridge
S	ORTER	TNA	SAMPLE CODE	NRA01 0687
AQC OF BMWP FAMILIES A. IN VIAL B. IN SAMPLE +				
			LOSSES	GAINS
A		VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) B	rences between: MWP families listed n sample data sheet and	None	None
	-	MWP families found n VIAL by IFE	<i>.</i>	
		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
В		SAMPLE	BMWP FAMILIES NOT - FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) B o ii) B	rences between: MWP families listed n sample data sheet and MWP families found	(This box only complete when no vial supplied with sample)	1 Planariidae 2 Dendrocoelidae
	i	n SAMPLE by IFE		
		·	NET LOSSES	NET GAINS 2
N	NOTES	1 Dugesia tigrina 2 Dendrocoelum lact	eum 1 only	
			•	



REGION	Anglian	RIVER	Sandon Brook
		I RIVER	pandon prook
DATE	30.10.91	SITE	/s Sandon Brook East Arm
SORTER	РЈМ	SAMPLE CODE R	01BFSB0110
AQC OF 1	BMWP FAMILIES A. I	N VIAL + B. IN	SAMPLE +
		LOSSES	GAINS
. [A]	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
i) BM or ii) BM	rences between: WP families listed n sample data sheet and WP families found n VIAL by IFE	1 Hydrobiidae 2 Piscicolidae 3 Coenagriidae* 4 Hydropsychidae*	5 Platycnemididae 6 Aeshnidae 7 Chironomidae
			·
В	<u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
ii) BM	Tences between: IWP families listed I sample data sheet and IWP families found IN SAMPLE by IFE	(This box only completed when no vial supplied with sample)	8 Gammaridae 9 Coenagriidae* 10 Psychomyiidae 11 Hydropsychidae* 12 Hydroptilidae
NOTES	5 Platycnemis penns 6 Aeshna sp. 7 Indet Chironomins 8 Gammarus pulex 1 Unionid assumed retu	10 Tinodes waene i 11 Hydropsyche a only 12 Hydroptila sp	ngustipennis

I	REGION	Anglian	RIVER	Hackthorn Beck		
	DATE	3.10.91	SITE	Cold Hanworth		
:	SORTER	JR	SAMPLE CODE	R01BFHACK070C		
I	AQC OF BMWP FAMILIES A. IN VIAL + B. IN SAMPLE +					
_			LOSSES	GAINS		
A	,	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
	i) BM or ii) BM	Tences between: IWP families listed I sample data sheet and IWP families found IWI VIAL by IFE	None	. None		
	· · · · · · · · · · · · · · · · · · ·					
В		<u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
	i) BM on ii) BM	ences between: WP families listed sample data sheet and WP families found SAMPLE by IFE	(This box only completed when no vial supplied with sample)	None		
N	OTES		NET LOSSES 0	NET GAINS 0		

REGION AD]	
REGION An	glian	RIVER	Grand Union Canal
DATE 8.	10.91	SITE	East of A5
SORTER SJ	L	SAMPLE CODE	R05BGGUCL005E
AQC OF BMWP	FAMILIES A. IN	N VIAL + B. I	N SAMPLE +
		·LOSSES	GAINS
<u>V</u>	AL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
i) BMWP fon sam	s between: families listed uple data sheet and families found	1 Dendrocoelidae* 2 Dytiscidae	3 Planariidae
in via	L by IFE		`
B <u>SAM</u>	PLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
i) BMWP f on san ii) BMWP f	s between: amilies listed ple data sheet and amilies found PLE by IFE	(This box only complete when no vial supplied with sample)	d 4 Dendrocoelidae* 5 Elmidae
		•	
		NET LOSSES	1 NET GAINS 2
4	Planaria torva in Dendrocoelum lact Oulimnius sp. (la		in sample

REGION	Anglian	RIVER	Lymn
DATE	3.10.91	SITE	Salmonby/Sowerby Road Bridge
SORTER	PH	SAMPLE CODE	RO3BFLYMNO6OS
AQC OF I	BMWP FAMILIES A. II	N VIAL + B. 1	IN SAMPLE +
,		LOSSES	GAINS
. A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
i) BM or ii) BM	Tences between: WP families listed I sample data sheet and WP families found I VIAL by IFE	1 Nemouridae* 2 Veliidae	3 Taeniopterygidae
В	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
i) BM on ii) BM	ences between: WP families listed sample data sheet and WP families found SAMPLE by IFE	(This box only complete when no vial supplied with sample)	4 Nemouridae* 5 Scirtidae
· · · · · · · · · · · · · · · · · · ·		NET LOSSES 1	NET GAINS 2
NOTES	2 Velia sp. present 3 Taeniopteryx nebul 4 Nemoura avicularis 5 Elodes sp. (larvae	3	ed in BMWP system

REGION	Anglian	RIVER	Helkington Head Dyke
DATE	4.10.91	SITE	B1395 Bridge
SORTER	CAE	SAMPLE CODE	R03BFHECK050B
AQC OF	BMWP FAMILIES A. I	N VIAL + B. 1	IN SAMPLE +
		LOSSES	GAINS
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
i) B. o	rences between: MWP families listed n sample data sheet and MWP families found n VIAL by IFE	None	None
<u> </u>			
В	<u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
i) Bi	rences between: MWP families listed n sample data sheet and MWP families found n SAMPLE by IFE	(This box only complete when no vial supplied with sample)	1 Elmidae
		NET LOSSES 0	NET GAINS 1
NOTES	1 Oulimnius sp. (lan	rvae)	
	Note on NRA data she in sample	eet that Gerridae not in	vial. None found by IFE

REGION Anglian	RIVER	Holbrook
DATE 25.9.91	. L]	
DATE 23.3.51	SITE	B1080 Road Culvert
SORTER FCB	SAMPLE CODE	R01BFHK0817
AQC OF BMWP FAMILIES A. I	N VIAL + B.	IN SAMPLE +
	LOSSES	GAINS
A <u>VIAL</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	None	None
B <u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only complete when no vial supplied with sample)	None
·		
	NET LOSSES	D NET GAINS 0
NOTES		·

		7	
REGION	Anglian	RIVER	ast Weir Dyke
DATE	19.11.91	SITE	axby Bridge
SORTER	SJB	SAMPLE CODE R	01BFEAST050H
AQC OF I	BMWP FAMILIES A. I	N VIAL + B. IN	SAMPLE +
[LOSSES	GAINS
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
i) BM or ii) BM	rences between: IWP families listed n sample data sheet and IWP families found n VIAL by IFE	None	None
В	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
i) BM on ii) BM	rences between: IWP families listed a sample data sheet and IWP families found a SAMPLE by IFE	(This box only completed when no vial supplied with sample)	1 Neritidae 2 Corophiidae 3 Gammaridae 4 Tipulidae
NOTES	1 Theodonic Clarine	NET LOSSES 0	NET GAINS 4
NOTES	1 Theodoxus fluviati 2 Corophium sp. 3 Crangonyx pseudogr 4 Helius sp.	ilis 1 only racilis, Gammarus tigrinus	

REGION	Anglian	RIVER	Sourne Eau
DATE	3.10.91	SITE	ongue End
SORTER	IG	SAMPLE CODE R	05BFEAU040T
AQC OF B	MWP FAMILIES A. I	N VIAL + B. IN	SAMPLE +
		LOSSES	GAINS
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
i) BM on ii) BM	ences between: WP families listed sample data sheet and WP families found VIAL by IFE	None	None
В	<u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
i) BM on ii) BM	ences between: WP families listed sample data sheet and WP families found SAMPLE by IFE	(This box only completed when no vial supplied with sample)	None
NOTES		NET LOSSES 0	NET GAINS 0

F	REGION [Anglian	RIVER	Billinghay Skerth
	DATE [4.10.91	SITE	Walcott Dales
S	SORTER [CAE	SAMPLE CODE	RO3BFSKE060W
A	AQC OF B	MWP FAMILIES A. I	N VIAL + B. IN	SAMPLE +
بر ستا			LOSSES	GAINS
. A		VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) BM on ii) BM	ences between: WP families listed sample data sheet and WP families found VIAL by IFE	1 Oligochaeta* 2 Caenidae*	None
В		<u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) BMV	ences between: WP families listed sample data sheet and WP families found SAMPLE by IFE	(This box only completed when no vial supplied with sample)	3 Oligochaeta* 4 Caenidae* 5 Hydrophilidae
			NET LOSSES 0	NET GAINS 1
NO	OTES	3 Indet tubificids 4 Caenis horaria 5 Laccobius bigutta	tus (adult) 1 only	

]	REGION	Anglian	RIVER	Woldgrift Drain
	DATE	3.10.91	SITE	Old Railway Bridge
:	SORTER	PH	SAMPLE CODE	RO3BFWOLD110R
AQC OF BMWP FAMILIES A. IN VIAL + B. IN SAMPLE +				
			LOSSES	GAINS
. 🖪		VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) BM on ii) BM	ences between: WP families listed sample data sheet and WP families found VIAL by IFE	None	None
В		<u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) BM on ii) BM	ences between: WP families listed sample data sheet and WP families found SAMPLE by IFE	(This box only complete when no vial supplied with sample)	None
				·
			NET LOSSES (D NET GAINS 0
N	OTES		·	

REGION [Anglian	RIVER	Newmarket No 1 Public Drain
DATE	23.9.91	SITE	D/s STW
sorter [SEH	SAMPLE CODE 1	NRAO1 0572
AQC OF B	MWP FAMILIES A. I	N VIAL B. IN	SAMPLE +
		LOSSES	GAINS
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
i) BM on ii) BM	ences between: WP families listed sample data sheet and WP families found VIAL by IFE	None	None
В	<u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES
i) BMT on ii) BMT	ences between: WP families listed sample data sheet and WP families found SAMPLE by IFE	(This box only completed when no vial supplied with sample)	FOUND BY IFE 1 Sphaeriidae 2 Tipulidae
NOTES	1 Pisidium sp. 1 on 2 Tipula montium gro	NET LOSSES 0	NET GAINS 2

REGION	Anglian	RIVER	he Beck	
DATE	26.9.91	SITEC	hambers Hill	
SORTER	ЕВ	SAMPLE CODE N	RA01 0827	
AQC OF BMWP FAMILIES A. IN VIAL + B. IN SAMPLE +				
		LOSSES	GAINS	
	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE	
i) BM or ii) BM	Tences between: IWP families listed I sample data sheet and IWP families found IWI VIAL by IFE	1 Oligochaeta*	2 Valvatidae	
<u> </u>				
В	<u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE	
i) BM on ii) BM	ences between: WP families listed sample data sheet and WP families found SAMPLE by IFE	(This box only completed when no vial supplied with sample)	3 Oligochaeta*	
: : : :		NET LOSSES 0	NET GAINS 1	
NOTES	2 Valvata cristata 3 Naididae, Tubific	idae		

	POTON	A1:] —	
1	REGION	Anglian	RIVER	Glaven
	DATE	26.9.91	SITE	Edgefield Bridge
S	SORTER	мј	SAMPLE CODE	NRA01 0737
A	AQC OF E	BMWP FAMILIES A. I	N VIAL + B. II	N SAMPLE +
	*****		LOSSES	GAINS
A		VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
į	i) BM or ii) BM	Tences between: WP families listed n sample data sheet and WP families found n VIAL by IFE	None	None
_				
В		SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) BM on ii) BM	rences between: WP families listed sample data sheet and WP families found SAMPLE by IFE	(This box only completed when no vial supplied with sample)	1 Asellidae 2 Nemouridae
N.	OTES	1 Asellus meridianu 2 Nemoura cinerea 1 Note in NRA vial th found by IFE in sam	only at Erpobdellidae "lost".	

REGION Anglian	RIVER	Barlings Eau
DATE 3.10.91	, SITE	Langworth
SORTER JR	SAMPLE CODE	RO1BFBARL110L
AQC OF BMWP FAMILIES A. IN	V VIAL + B. I	N SAMPLE +
	LOSSES	GAINS
A VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	None	None
B <u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	(This box only complete when no vial supplied with sample)	d 1 Piscicolidae 2 Hydrophilidae
- -		
•	NET LOSSES 0	NET GAINS 2
NOTES 1 Piscicola geometra 2 Octhebius minimus	1 only (adult) 1 only	

R	EGION	Anglian	RIVER	Grand Union Canal		
	DATE	8.10.91	SITE	B4036 Bridge		
SORTER SJL SAMPLE CODE RO5BGGUCM280W						
Α	AQC OF BMWP FAMILIES A. IN VIAL + B. IN SAMPLE +					
· r			LOSSES	CAINS		
A	•	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
	i) BMWI on s ii) BMWI	nces between: P families listed sample data sheet and P families found VIAL by IFE	1 Oligochaeta	None		
В	2	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY 1FE		
	i) BMW! on : ii) BMW!	nces between: P families listed sample data sheet and P families found SAMPLE by IFE	(This box only complete when no vial supplied with sample)	d 2 Hydrobiidae		
			NET LOSSES	NET GAINS 1		
N	OTES	2 Potamopyrgus jenl	kinsi			

		¬	·		
REGION	Anglian	RIVER	andon Brook		
DATE	30.10.91	SITE	ittle Baddow		
SORTER	РЈМ	SAMPLE CODE RO	01BFSB01		
AQC OF	BMWP FAMILIES A. I	N VIAL B. IN	SAMPLE +		
		LOSSES	GAINS		
	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
i) I	erences between: BMWP families listed on sample data sheet and BMWP families found in VIAL by IFE	None	None		
<u> </u>					
В	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
i) E	erences between: SMWP families listed on sample data sheet and SMWP families found on SAMPLE by IFE	(This box only completed when no vial supplied with sample)	1 Piscicolidae 2 Psychomyiidae 3 Limnephilidae		
		NET LOSSES 0	NET GAINS 3		
NOTES	NOTES 1 Piscicola geometra 1 only 2 Tinodes waeneri 1 only 3 Indet limnephilid (juvenile) 1 only				
	Note in NRA vial the	at Lymnaeidae "lost". Lymn	aea peregra found		

I	REGION Anglian	RIVERS	toke Brook			
	DATE 20.9.91 .	SITE	/s Lower Locks			
5	SORTER PDB SAMPLE CODE NRA01 0404					
£	AQC OF BMWP FAMILIES A. IN VIAL + B. IN SAMPLE +					
— ·		LOSSES	GAINS			
A	<u>VIAL</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE			
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found	None	None			
ł	in VIAL by IFE					
	CAMPA					
В	<u>SAMPLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE			
	Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found	(This box only completed when no vial supplied with sample)	1 Elmidae			
	in SAMPLE by IFE					
		·				
		NET LOSSES 0	NET GAINS 1			
NOTES 1 Oulimnius sp. (larva) 1 only						
		•				

REGION	Anglian	RIVER	Elstow/Cople Brook		
DATE	8.10.91	SITE	Dog Farm Cople		
SORTER	JN	SAMPLE CODE	NRA01 0452		
AQC OF I	BMWP FAMILIES A. II	N VIAL + B. 1	IN SAMPLE +		
[•	LOSSES	GAINS		
A	VIAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
i) BM or	Tences between: IMP families listed IN sample data sheet and IMP families found	1 Oligochaeta* 2 Corixidae	None		
	VIAL by IFE	,			
В	SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE		
i) BM on ii) BM	Tences between: IWP families listed I sample data sheet and IWP families found I SAMPLE by IFE	(This box only complete when no vial supplied with sample)	3 Sphaeriidae 4 Oligochaeta* 5 Erpobdellidae 6 Coenagriidae		
NET LOSSES 1 NET GAINS 3					
NOTES	NOTES 3 Pisidium sp. 5 Erpobdella octoculata 1 only 6 Coenagrion puella/pulchellum 1 only				

I	REGION A	nglian	RIVER	Kennet
	DATE 2	3.9.91	SITE	Beck Bridge
S	SORTER T	NA	SAMPLE CODE	NRA01 0598
F	AQC OF BMWP	FAMILIES A. I	N VIAL + B. II	N SAMPLE +
			LOSSES	GAINS
A	V	IAL	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) BMWP on sai	es between: families listed mple data sheet and families found AL by IFE	1 Oligochaeta* 2 Chironomidae*	None
الــــــــــــــــــــــــــــــــــــ				
В	SAI	<u>1PLE</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) BMWP ion sar	es between: families listed uple data sheet and families found IPLE by IFE	(This box only completed when no vial supplied with sample)	3 Oligochaeta* 4 Chironomidae*
		·		
			NET LOSSES 0	NET GAINS 0
N	OTES		:	
		,		

F	REGION	Anglian	RIVER	enhold Brook
	DATE	8.10.91	SITE	428 Bridge Renhold
S	SORTER	JN	SAMPLE CODE N	RA01 0442
A	AQC OF	BMWP FAMILIES A. I	N VIAL + B. IN	SAMPLE +
 -			LOSSES	GAINS
.[A		<u>VIAL</u>	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) Bh or ii) Bh	rences between: WP families listed n sample data sheet and WP families found n VIAL by IFE	1 Hydrophilidae 2 Chironomidae*	None
				· · · · · · · · · · · · · · · · · · ·
В		SAMPLE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
	i) BM or ii) BM	Tences between: IWP families listed IN sample data sheet IWP families found IN SAMPLE by IFE	(This box only completed when no vial supplied with sample)	3 Sphaeriidae 4 Erpobdellidae 5 Chironomidae*
			NET LOSSES 1	NET GAINS 2
NOTES 3 Pisidium sp. 4 Erpobdella octoculata			lata	
			at Hydrometridae present.	Not found by IFE in vial
	-			

I	REGION Anglian		RIVER	Trib Ramsey	
	DATE 8.10.91		SITE	Upwood Farm Road culvert	
SORTER SEH			SAMPLE CODE	NRA01 0673	
AQC OF BMWP FAMILIES A. IN VIAL + B. IN SAMPLE +					
	·		LOSSES	CAINS	
Λ	VIAL		BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE	
	Differences betwe i) BMWP families on sample dat and ii) BMWP families in VIAL by IF	listed a sheet found	None	None	
r—		1			
В	<u>SAMPLE</u>		BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE	
	Differences betwe i) BMWP families on sample dat and ii) BMWP families in SAMPLE by	listed a sheet found	This box only complet when no vial supplied with sample)		
NET LOSSES 0 NET GAINS 1					
		A vial that	uvenile) 1 only t Haliplidae present.	Not found by IFE in vial	