

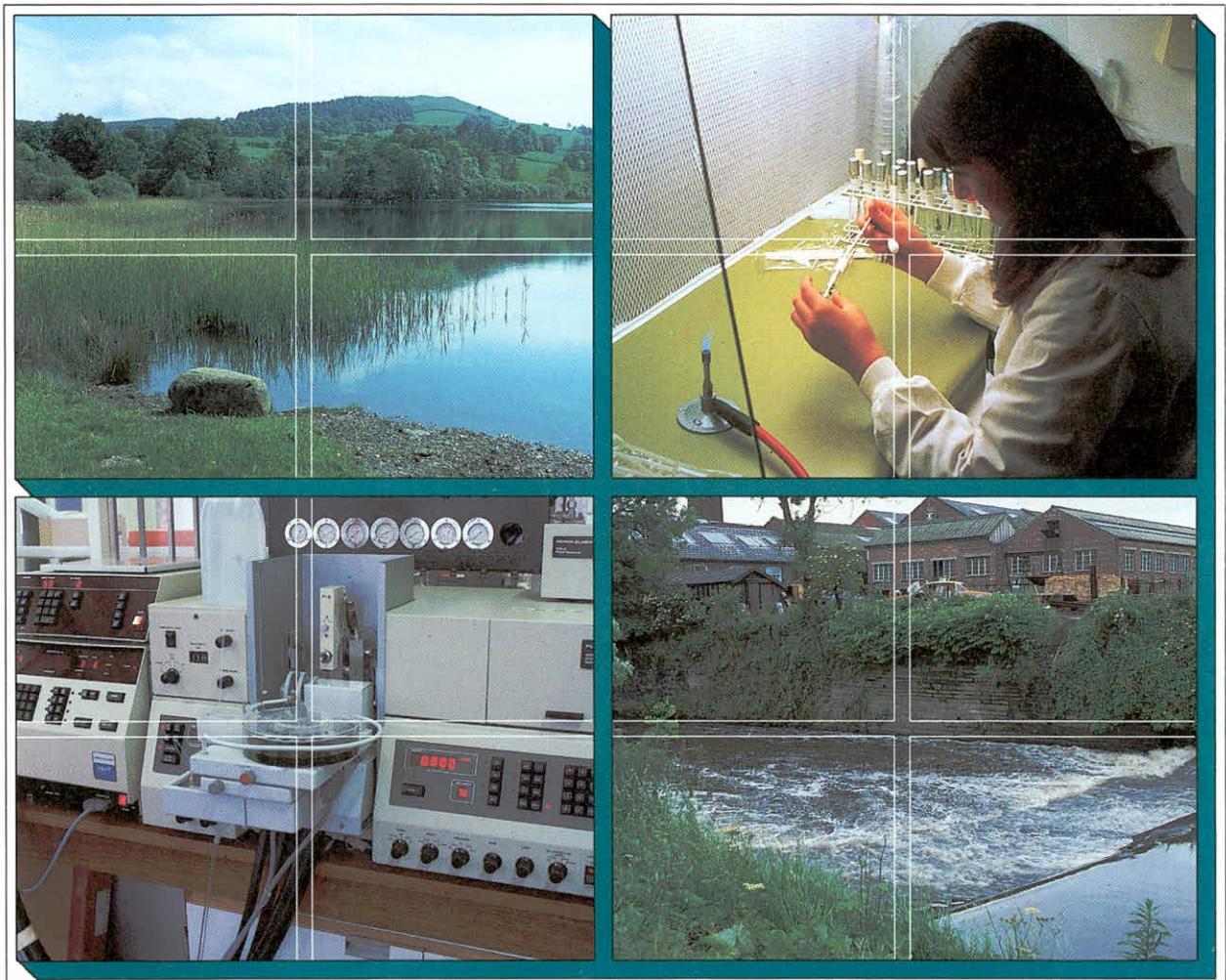
An audit of performance in the processing of macro-invertebrate samples in 1994. NRA Wessex Area of South Western Region

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South Western Region
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South Western Region**

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Project Leader:
Report Date:
Report To:
IFE Report Ref. No:

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National Rivers Authority, South Western Region
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1. INTRODUCTION

In 1994 the sampling of aquatic macro-invertebrates for the biological assessment of river quality continued throughout the United Kingdom. This task was undertaken by the National Rivers Authority (NRA) in England and Wales, the River Purification Boards (RPBs) in Scotland and the Industrial Research & Technology Unit (IRTU) in Northern Ireland.

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. The IFE was contracted to undertake an audit of the sample sorting and identification performance of each NRA region, several RPBs and the IRTU. This report presents the results of 60 samples audited for Wessex Area of NRA South Western Region. The IFE was not required to perform any statistical analyses nor interpretation of the results of the audit.

Each organisation employed standard collection procedures, as used in the 1990 River Quality Survey, 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).

Samples were sorted by NRA, RPB and IRTU 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.

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 IRTU 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% formaldehyde 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 mollusc shells and posterior ends of "living" specimens were to be excluded from the listing of families present. Chrysomelidae and Curculionidae, which appear in the BMWP list, were also to be excluded for the purposes of the audit. 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.

TABLE 1. The IFE Report form

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	<input type="text"/>	RIVER	<input type="text"/>
DATE	<input type="text"/>	SITE	<input type="text"/>
SORTER	<input type="text"/>	CODE	<input type="text"/>

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		

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 is only completed when no vial is supplied with the sample)	

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

TABLE 2. The 23 spring samples audited for Wessex Area.

River	Site	Sorter	Losses	Gains	Omissions
Sydling Brook	Sydling St. Nicholas	PRH	0	2	0
Filley Brook	Quarr	PRH	0	1	0
Kimmeridge Stream	d/s Gaulter Cottages	JFP	1	0	0
Bovington Stream	Old Drove	PRH	0	4	0
Sydling Brook	Grimstone	PRH	0	1	0
Piddle	West Mills	JFP	0	1	2
Alham	Milton Clevedon	RA	0	2	0
Ladden Brook	Hall End	JF	0	0	0
Tone	Water Row Site 1	LK	0	2	0
Back Stream	Langford	LK	0	1	0
Back Stream	Combe Florey	LK	0	4	0
Hele Stream	Middle Stoford	LK	0	3	0
Croford Watercourse	Ford u/s Road Bridge	LK	0	1	0
Hartlake	Godney	RA	2	0	0
Tone	Water Row Site 2	LK	0	2	0
Hele Stream	Hele Hill	LK	1	0	1
Tone	Nynehead	LK	0	2	0
By Brook	Gatcombe Hill	JF	1	6	0
Broad Mead Brook	Nettleton Shrub	JF	0	4	0
Boyd	Bitton	JF	0	0	0
St. Catherines Brook	Ayford Farm	JF	0	3	0
Maiden Bradley Brook	Highcroft Farm	AB	0	1	0
Wellow Brook	Radstock East	AB	0	1	0

TABLE 3. The 21 summer samples audited for Wessex Area.

River	Site	Sorter	Losses	Gains	Omissions
Frome	Frampton	BJJ	1	7	0
Frome	u/s Evershot	PRH	0	7	0
Frome	Police College	PRH	0	7	0
Caundle Brook	Blackmoor Ford Bridge	PR	0	5	1
Piddle	Turners Puddle	PR	0	3	0
Key Brook	Blynfield Farm	BJJ	1	2	0
Piddle	West Mills	PR	1	4	0
Sydling Water	Shear Place Mill	PR	0	4	0
Cam	Holnest Church	PR	0	5	0
Mappowder Watercourse	Mappowder	PR	0	5	0
Crane	d/s Lessers Outfall	BJJ	0	2	0
Frome Carrier	Waddock Cross	PR	0	4	0
Marcombe Lake Stream	Trace Bridge	LK	0	0	0
Croford Watercourse	Ford	LK	0	4	0
Bristol Frome	Stapleton	JF	0	4	1
Trym	Comb Dingle	JF	0	0	0
Tone	Bishops Hull	LK	0	0	0
Brislington Brook	St. Annes Park	JF	1	2	0
Priston Stream	Priston	JF	0	2	0
Alham	Alhampton	AB	0	0	0
Chew	Litton	AB	0	1	0

TABLE 4. The 16 autumn samples audited for Wessex Area

River	Site	Sorter	Losses	Gains	Omissions
Lydden	Cannings Court	PR	0	2	0
Piddle	Piddlehinton	PR	2	11	0
Piddle	South House	JFP	0	1	1
Lydden	Bagber Bridge	PR	0	3	0
Crane	Does Hatch	JFP	0	1	0
Lydden Tributary	Bagber	PR	0	0	0
Mangerton Brook	West Milton	JFP	0	0	0
Lydden	Twofords Bridge	PR	1	3	0
Cale	Burtons Mill Farm	BJJ	0	0	0
Park Gate Watercourse	Wonston	BJJ	1	3	0
Crane	u/s Romford Bridge	PRH	0	3	0
Mappowder Watercourse	Mappowder	BJJ	0	5	0
Haydn Stream	Caundle Marsh	BJJ	0	0	0
Crane	d/s Lessers Outfall	PRH	0	2	0
Hele Stream	Middle Stoford	LK	1	0	0
Back Stream	Langford	LK	0	0	0

APPENDIX

Results of individual sample audits

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Sydling Brook
DATE	21.3.94	SITE	Sydling St.Nicholas
SORTER	PRH	CODE	

A	<p align="center">VIAL</p> <p>Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE</p>	<p align="center">BMWP FAMILIES NOT FOUND BY IFE</p>	<p align="center">ADDITIONAL FAMILIES FOUND BY IFE</p>
		None	1 Leptoceridae

B	<p align="center">SAMPLE</p> <p>Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE</p>	<p align="center">BMWP FAMILIES NOT FOUND BY IFE</p>	<p align="center">ADDITIONAL FAMILIES FOUND BY IFE</p>
		(This box is only completed when no vial is supplied with the sample)	2 Sphaeriidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Athripsodes sp. (juvenile) 1 only
 2 Sphaerium sp. 1 only

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Filley Brook
DATE	23.5.94	SITE	Quarr
SORTER	PRH	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	1 Leptophlebiidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Habrophlebia fusca

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Kimmeridge Stream
DATE	7.2.94	SITE	d/s Gaulter Cottages
SORTER	JFP	CODE	

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 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 is only completed when no vial is supplied with the sample)

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Bovington Stream
DATE	19.5.94	SITE	Old Drove
SORTER	PRH	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	1 Hydropsychidae

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	2 Ancylidae 3 Nemouridae 4 Goeridae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

- | |
|---|
| 1 Hydropsyche angustipennis
2 Ancylus fluviatilis 1 only
3 Nemoura cinerea 1 only
4 Goera pilosa (pupa) 1 only |
|---|

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Sydling Brook
DATE	21.3.94	SITE	Grimstone
SORTER	PRH	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	1 Lepidostomatidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 *Lepidostoma hirtum*

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Piddle
DATE	27.4.94	SITE	West Mills
SORTER	JFP	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		1 Planorbidae* 2 Sphaeriidae*	3 Valvatidae

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	4 Planorbidae* 5 Sphaeriidae*

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1,4 Empty shell in vial, Anisus vortex in sample
 3 Valvata piscinalis
 5 Sphaerium sp.

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Alham
DATE	14.4.94	SITE	Milton Clevedon
SORTER	RA	CODE	NRA09 BRU09C

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	1 Ephemerellidae 2 Simuliidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Ephemerella ignita 1 only 2 Simulium ornatum group 1 only
--

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Ladden Brook
DATE	10.5.94	SITE	Hall End
SORTER	JF	CODE	NRA09 BFR08E

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	None

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Tone
DATE	12.4.94	SITE	Water Row
SORTER	LK	CODE	NRA09 TON02B

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	1 Ephemerellidae 2 Ephemeridae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Ephemerella ignita 1 only
 2 Ephemera danica 1 only

Date on sample pot and front of data sheet 12.4.94, that on back of data sheet 18.4.94

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Back Stream
DATE	20.4.94	SITE	Langford
SORTER	LK	CODE	NRA09 TON27B

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	1 Gammaridae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Gammarus pulex 1 only Date on sample pot and front of data sheet 20.4.94, that on back of data sheet 6.7.94
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EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Back Stream
DATE	23.5.94	SITE	Combe Florey
SORTER	LK	CODE	NRA09 TON39B

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 is only completed when no vial is supplied with the sample)	1 Caenidae 2 Hydrophilidae 3 Polycentropodidae 4 Hydroptilidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

- | |
|--|
| <ul style="list-style-type: none"> 1 Caenis rivulorum 1 only 2 Hydraena gracilis (adult) 1 only 3 Plectrocnemia conspersa 1 only 4 Ithytrichia sp. |
|--|

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Hele Stream
DATE	27.5.94	SITE	Middle Stoford
SORTER	LK	CODE	NRA09 TON17B

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 is only completed when no vial is supplied with the sample)	1 Caenidae 2 Hydrophilidae 3 Dryopidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 *Caenis luctuosa/macrura*
2 *Hydraena gracilis* (adult) 1 only
3 *Helichus substriatus* (adult) 1 only

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Croford Watercourse
DATE	23.5.94	SITE	Ford u/s Road Bridge
SORTER	LK	CODE	NRA09 TON19B

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 is only completed when no vial is supplied with the sample)	1 Odontoceridae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Odontocerum albicorne 1 only

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Hartlake
DATE	7.5.94	SITE	Godney
SORTER	RA	CODE	NRA09 BRU17C

A	<p align="center">VIAL</p> <p>Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE</p>	<p align="center">BMWP FAMILIES NOT FOUND BY IFE</p>	<p align="center">ADDITIONAL FAMILIES FOUND BY IFE</p>
		1 Piscicolidae 2 Tipulidae	None

B	<p align="center">SAMPLE</p> <p>Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE</p>	<p align="center">BMWP FAMILIES NOT FOUND BY IFE</p>	<p align="center">ADDITIONAL FAMILIES FOUND BY IFE</p>
		(This box is only completed when no vial is supplied with the sample)	None

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Elongated Theromyzon tessulatum in vial 2 Chrysops group (Tabanidae) in vial

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Tone
DATE	9.5.94	SITE	Water Row
SORTER	LK	CODE	NRA09 TON02B

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 is only completed when no vial is supplied with the sample)	1 Caenidae 2 Lepidostomatidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Caenis rivulorum 1 only
2 Lepidostoma hirtum 1 only

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Hele Stream
DATE	27.5.94	SITE	Hele Hill
SORTER	LK	CODE	NRA09 TON38B

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 Hydrophilidae 2 Tipulidae*	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 is only completed when no vial is supplied with the sample)	3 Tipulidae*

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Terrestrial larva in vial
2,3 Chrysops group (Tabanidae) in vial, Dicranota sp. in sample

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Tone
DATE	13.5.94	SITE	Nynehead
SORTER	LK	CODE	NRA09 TON04B

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 Leptophlebiidae

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 is only completed when no vial is supplied with the sample)	2 Leuctridae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Paraleptophlebia submarginata 1 only
2 Leuctra geniculata 1 only

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	By Brook
DATE	24.5.94	SITE	Gatcombe Hill
SORTER	JF	CODE	NRA09 BY01E

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		1 Planorbidae	2 Planariidae 3 Sphaeriidae 4 Simuliidae

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	5 Heptageniidae 6 Caenidae 7 Hydroptilidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

- 2 Polycelis felina
- 3 Pisidium sp.
- 4 Simulium ornatum group, S.aureum group
- 5 Ecdyonurus sp.
- 6 Caenis rivulorum 1 only
- 7 Hydroptila sp.

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Broad Mead Brook
DATE	24.5.94	SITE	Nettleton Shrub
SORTER	JF	CODE	NRA09 BY05E

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 is only completed when no vial is supplied with the sample)	1 Sphaeriidae 2 Dytiscidae 3 Odontoceridae 4 Goeridae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

- | |
|---|
| 1 Pisidium sp.
2 Oreodytes sanmarkii (adult) 1 only
3 Odontocerum albicorne
4 Silo nigricornis (pupa) 1 only |
|---|

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Boyd
DATE	12.5.94	SITE	Bitton
SORTER	JF	CODE	NRA09 LBT11E

A	<p align="center">VIAL</p> <p>Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE</p>	<p align="center">BMWP FAMILIES NOT FOUND BY IFE</p>	<p align="center">ADDITIONAL FAMILIES FOUND BY IFE</p>
		None	None

B	<p align="center">SAMPLE</p> <p>Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE</p>	<p align="center">BMWP FAMILIES NOT FOUND BY IFE</p>	<p align="center">ADDITIONAL FAMILIES FOUND BY IFE</p>
		(This box is only completed when no vial is supplied with the sample)	None

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	St. Catherine's Brook
DATE	16.5.94	SITE	Ayford Farm
SORTER	JF	CODE	NRA09 LBT01E

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	1 Glossiphoniidae 2 Nemouridae 3 Psychomyiidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

- 1 Glossiphonia complanata 1 only
- 2 Amphinemura standfussi
- 3 Tinodes unicolor 1 only

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Maiden Bradley Brook
DATE	10.5.94	SITE	Highcroft Farm
SORTER	AB	CODE	NRA09 SFR09E

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	1 Polycentropodidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 *Cyrnus trimaculatus* 1 only

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Wellow Brook
DATE	13.5.94	SITE	Radstock East
SORTER	AB	CODE	NRA09 MID03E

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 is only completed when no vial is supplied with the sample)	1 Sphaeriidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Sphaerium sp. 1 only

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Frome
DATE	11.7.94	SITE	Frampton
SORTER	BJJ	CODE	

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 Goeridae	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 is only completed when no vial is supplied with the sample)	2 Valvatidae 3 Physidae 4 Caenidae 5 Calopterygidae 6 Corixidae 7 Leptoceridae 8 Tipulidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

- 2 Valvata piscinalis 1 only
- 3 Physa fontinalis 1 only
- 4 Caenis luctuosa/macrura 1 only
- 5 Calopteryx splendens 1 only
- 6 Indet Corixid (nymph) 1 only
- 7 Athripsodes albifrons 1 only
- 8 Dicranota sp., Tipula montium group

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Frome
DATE	30.8.94	SITE	u/s Evershot
SORTER	PRH	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	1 Ancylidae 2 Sphaeriidae 3 Piscicolidae 4 Baetidae 5 Dytiscidae 6 Polycentropodidae 7 Beraeidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

- 1 Ancylus fluviatilis 1 only
- 2 Pisidium sp.
- 3 Piscicola geometra
- 4 Baetis rhodani
- 5 Platambus maculatus, Agabus sp. (larvae)
- 6 Plectrocnemia sp. (juvenile) 1 only
- 7 Beraea pullata 1 only

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Frome
DATE	30.8.94	SITE	Police College
SORTER	PRH	CODE	

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 is only completed when no vial is supplied with the sample)	1 Planariidae 2 Lymnaeidae 3 Ancyliidae 4 Sphaeriidae 5 Hydropsychidae 6 Goeridae 7 Sericostomatidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

- | |
|---|
| <ul style="list-style-type: none"> 1 Polycelis felina 1 only 2 Lymnaea peregra 1 only 3 Ancyclus fluviatilis 4 Pisidium sp. 5 Hydropsyche siltalai 6 Silo pallipes 7 Sericostoma personatum 1 only |
|---|

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Caundle Brook
DATE	22.8.94	SITE	Blackmoor Ford Bridge
SORTER	PR	CODE	

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 Ancyliidae*	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 is only completed when no vial is supplied with the sample)	2 Ancyliidae* 3 Glossiphoniidae 4 Asellidae 5 Leuctridae 6 Goeridae 7 Tipulidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

<p>1,2 Empty Acroloxus shell in vial, Ancyclus fluviatilis 1 only in sample 3 Glossiphonia complanata 1 only 4 Asellus aquaticus 1 only 5 Leuctra fusca 1 only 6 Goera pilosa 7 Dicranota sp.</p>
--

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Piddle
DATE	25.7.94	SITE	Turners Puddle
SORTER	PR	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	1 Planariidae 2 Oligochaeta 3 Hydroptilidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Polycelis nigra/tenuis 2 Indet Lumbriculid 1 only 3 Hydroptila sp.
--

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Key Brook
DATE	11.8.94	SITE	Blynfield Farm
SORTER	BJJ	CODE	

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 Planorbidae	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 is only completed when no vial is supplied with the sample)	2 Hydrobiidae 3 Erpobdellidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

- | |
|---|
| <p>1 Terrestrial snail in vial
2 Potamopyrgus jenkinsi
3 Indet Erpobdellids</p> |
|---|

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Piddle
DATE	18.7.94	SITE	West Mills
SORTER	PR	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		1 Leptophlebiidae	2 Sialidae

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	3 Polycentropodidae 4 Goeridae 5 Brachycentridae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

2 *Sialis lutaria*
 3 *Polycentropus flavomaculatus* 1 only
 4 *Goera pilosa*
 5 *Brachycentrus subnubilus* 1 only

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Sydling Water
DATE	13.7.94	SITE	Shear Place Mill
SORTER	PR	CODE	

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 is only completed when no vial is supplied with the sample)	1 Valvatidae 2 Asellidae 3 Psychomyiidae 4 Goeridae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES

0

NET GAINS

4

OMISSIONS

0

NOTES:

- 1 Valvata piscinalis 1 only
- 2 Asellus aquaticus 1 only
- 3 Lype sp. 1 only
- 4 Silo nigricornis 1 only

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EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Cam
DATE	18.8.94	SITE	Holnest Church
SORTER	PR	CODE	

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 is only completed when no vial is supplied with the sample)	1 Lymnaeidae 2 Erpobdellidae 3 Haliplidae 4 Dytiscidae 5 Tipulidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

- 1 Lymnaea peregra 1 only
- 2 Trocheta subviridis
- 3 Halipus lineatocollis, H.ruficollis (adults + larvae)
- 4 Ilybius sp. (larvae)
- 5 Phylidorea sp. (pupa) 1 only

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Mappowder Watercourse
DATE	31.8.94	SITE	Mappowder
SORTER	PR	CODE	

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 is only completed when no vial is supplied with the sample)	1 Baetidae 2 Hydrophilidae 3 Hydropsychidae 4 Beraeidae 5 Tipulidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

- | |
|--|
| <ul style="list-style-type: none"> 1 Baetis rhodani 2 Hydraena rufipes (adult) 1 only 3 Hydropsyche siltalai 1 only 4 Beraeodes minutus 5 Dicranota sp. |
|--|

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Crane
DATE	29.6.94	SITE	d/s Lessers Outfall
SORTER	BJJ	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	1 Hydroptilidae 2 Brachycentridae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Ithytrichia sp.
 2 Brachycentrus subnubilus

BJJ is recorded as sorter on sample label and data sheet, PRH is written on the sample pot.

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Frome Carrier
DATE	4.8.94	SITE	Waddock Cross
SORTER	PR	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	1 Piscicolidae 2 Elmidae 3 Rhyacophilidae 4 Tipulidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

- 1 *Piscicola geometra* 1 only
- 2 *Elmis aenea* (adult), *Oulimnius* sp. (larva)
- 3 *Rhyacophila dorsalis*
- 4 *Antocha vitripennis* 1 only

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Marcombe Lake Stream
DATE	19.7.94	SITE	Trace Bridge
SORTER	LK	CODE	NRA09 TON32B

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	None

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Croford Watercourse
DATE	24.8.94	SITE	Ford
SORTER	LK	CODE	NRA09 TON19B

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	1 Planariidae 2 Asellidae 3 Haliplidae 4 Psychomyiidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

- | |
|--|
| 1 Polycelis felina
2 Asellus aquaticus 1 only
3 Haliplus sp. (larva) 1 only
4 Lype sp. 1 only |
|--|

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Bristol Frome
DATE	27.7.94	SITE	Stapleton
SORTER	JF	CODE	NRA09 BFR07E

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		1 Valvatidae*	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	2 Valvatidae* 3 Lymnaeidae 4 Baetidae 5 Gerridae 6 Hydrometridae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

- | |
|--|
| 2 Valvata cristata, V.piscinalis
3 Lymnaea peregra 1 only
4 Centroptilum luteolum 1 only
5 Gerris sp. (nymph) 1 only
6 Hydrometra stagnorum (nymphs) |
|--|

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Trym
DATE	27.7.94	SITE	Comb Dingle
SORTER	JF	CODE	NRA09 LBT18E

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 is only completed when no vial is supplied with the sample)	None

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Tone
DATE	10.8.94	SITE	Bishops Hull
SORTER	LK	CODE	NRA09 TON06B

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 is only completed when no vial is supplied with the sample)	None

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Brislington Brook
DATE	27.7.94	SITE	St. Annes Park
SORTER	JF	CODE	NRA09 LBT15E

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 Lymnaeidae	2 Limnephilidae

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 is only completed when no vial is supplied with the sample)	3 Tipulidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

<p>1 Oxylema pfeifferi? (Succineidae) in vial 2 Micropterna sequax 3 Pedicia (Trichyphona) sp. 1 only</p>

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Priston Stream
DATE	9.8.94	SITE	Priston
SORTER	JF	CODE	NRA09 LBT07E

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 is only completed when no vial is supplied with the sample)	1 Glossiphoniidae 2 Scirtidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Glossiphonia complanata 1 only
2 Elodes sp. (larva) 1 only

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Alham
DATE	26.7.94	SITE	Alhampton
SORTER	AB	CODE	NRA09 BRU11C

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 is only completed when no vial is supplied with the sample)	None

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Chew
DATE	17.8.94	SITE	Litton
SORTER	AB	CODE	NRA09 CHE01E

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	1 Gyrinidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Orectochilus villosus (larva) 1 only

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Lydden
DATE	6.9.94	SITE	Cannings Court
SORTER	PR	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	1 Scirtidae 2 Sialidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Elodes sp. (larva) 1 only 2 Sialis lutaria 1 only
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EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Piddle
DATE	7.9.94	SITE	Piddlehinton
SORTER	PR	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		1 Aphelocheiridae 2 Leptoceridae	3 Caenidae

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	4 Ancyliidae 5 Asellidae 6 Heptageniidae 7 Leptophlebiidae 8 Ephemeridae 9 Leuctridae 10 Gyrinidae 11 Hydropsychidae 12 Tipulidae 13 Simuliidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Terrestrial bug in vial	11 Hydropsyche pellucidula
3 Caenis luctuosa/macrura	12 Dicranota sp., Antocha vitripennis
4 Ancyclus fluviatilis	13 Simulium aureum group 1 only
5 Asellus aquaticus 1 only	
6 Heptagenia sp.	
7 Paraleptophlebia sp. 1 only	
8 Ephemera danica 1 only	
9 Leuctra fusca 1 only	
10 Orectochilus villosus (larvae)	

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Piddle
DATE	7.9.94	SITE	South House
SORTER	JFP	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		1 Oligochaeta*	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	2 Oligochaeta* 3 Leptophlebiidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

2 Indet Lumbriculidae 3 Paraleptophlebia sp. 1 only
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EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Lydden
DATE	29.11.94	SITE	Bagber Bridge
SORTER	PR	CODE	

A	<p align="center">VIAL</p> <p>Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE</p>	<p align="center">BMWP FAMILIES NOT FOUND BY IFE</p>	<p align="center">ADDITIONAL FAMILIES FOUND BY IFE</p>
		None	None

B	<p align="center">SAMPLE</p> <p>Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE</p>	<p align="center">BMWP FAMILIES NOT FOUND BY IFE</p>	<p align="center">ADDITIONAL FAMILIES FOUND BY IFE</p>
		(This box is only completed when no vial is supplied with the sample)	<p>1 Asellidae 2 Heptageniidae 3 Limnephilidae</p>

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

- | |
|---|
| <p>1 Asellus aquaticus 1 only
2 Ecdyonurus sp. 1 only
3 Anabolia nervosa 1 only</p> |
|---|

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Crane
DATE	19.10.94	SITE	Does Hatch
SORTER	JFP	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	1 Hydroptilidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Hydroptila sp. 1 only

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Lydden Tributary
DATE	13.12.94	SITE	Bagber
SORTER	PR	CODE	

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 is only completed when no vial is supplied with the sample)	None

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Mangerton Brook
DATE	16.11.94	SITE	West Milton
SORTER	JFP	CODE	

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 is only completed when no vial is supplied with the sample)	None

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Lydden
DATE	13.12.94	SITE	Twofords Bridge
SORTER	PR	CODE	

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 Baetidae	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 is only completed when no vial is supplied with the sample)	2 Asellidae 3 Taeniopterygidae 4 Hydropsychidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Abdomen only in vial. IFE instructed not to include posterior ends for purposes of audit.
 2 Asellus aquaticus
 3 Brachyptera risi 1 only
 4 Hydropsyche pellucidula 1 only

Note on data sheet that Gyrinidae "not found in vial". Not found by IFE in vial or sample.

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Cale
DATE	7.11.94	SITE	Burtons Mill Farm
SORTER	BJJ	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	None

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Park Gate Watercourse
DATE	22.11.94	SITE	Wonston
SORTER	BJJ	CODE	

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 Leptoceridae	2 Beraeidae

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 is only completed when no vial is supplied with the sample)	3 Gyrinidae 4 Tipulidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

- 2 Beraeodes minutus
- 3 Gyrinus substriatus (adult) 1 only
- 4 Pilaria (Pilaria) sp. 1 only

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Crane
DATE	19.10.94	SITE	u/s Romford Bridge
SORTER	PRH	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	1 Physidae 2 Erpobdellidae 3 Caenidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Physa fontinalis 1 only 2 Indet Erpobdellids 3 Caenis rivulorum

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Mappowder Watercourse
DATE	22.11.94	SITE	Mappowder
SORTER	BJJ	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	1 Beraeidae

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	2 Hydrobiidae 3 Lymnaeidae 4 Elmidae 5 Limnephilidae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

- | |
|---|
| 1 Beraeodes minutus
2 Potamopyrgus jenkinsi
3 Lymnaea peregra 1 only
4 Elmis aenea, Oulimnius sp. (larvae)
5 Indet Limnephilids (juveniles) |
|---|

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Haydn Stream
DATE	5.12.94	SITE	Caundle Marsh
SORTER	BJJ	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	None

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Crane
DATE	19.10.94	SITE	d/s Lessers Outfall
SORTER	PRH	CODE	

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		None	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	1 Calopterygidae 2 Leptoceridae

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Calopteryx sp. (juvenile) 1 only 2 Oecetis testacea 1 only

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Hele Stream
DATE	28.10.94	SITE	Middle Stoford
SORTER	LK	CODE	NRA09 TON17B

A	VIAL Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		1 Planorbidae	None

B	SAMPLE Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE	BMWP FAMILIES NOT FOUND BY IFE	ADDITIONAL FAMILIES FOUND BY IFE
		(This box is only completed when no vial is supplied with the sample)	None

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

1 Empty shells in vial and sample

EXTERNAL AUDIT OF BIOLOGICAL SAMPLES - 1994

REGION	Wessex	RIVER	Back Stream
DATE	3.11.94	SITE	Langford
SORTER	LK	CODE	NRA09 TON27B

A	<p align="center">VIAL</p> <p>Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in VIAL by IFE</p>	<p align="center">BMWP FAMILIES NOT FOUND BY IFE</p>	<p align="center">ADDITIONAL FAMILIES FOUND BY IFE</p>
		None	None

B	<p align="center">SAMPLE</p> <p>Differences between: i) BMWP families listed on sample data sheet and ii) BMWP families found in SAMPLE by IFE</p>	<p align="center">BMWP FAMILIES NOT FOUND BY IFE</p>	<p align="center">ADDITIONAL FAMILIES FOUND BY IFE</p>
		(This box is only completed when no vial is supplied with the sample)	None

* Taxa recorded on data sheet but absent from vial and found by I.F.E. in sample (omissions)

NET LOSSES NET GAINS OMISSIONS

NOTES:

