

The Faunal Richness of Headwater Streams

Progress Report for the Period
December 1991 - March 1992

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1. TECHNICAL PROGRESS

1.1 Objectives

The complete work programme for this study comprises four stages and is scheduled for the total period 1st October 1990 to 31st January 1995. Stage 1 is complete and has been fully documented in previous reports. This report summarises the progress made so far in meeting the objectives of Stage 2.

The overall and specific objectives of each stage are detailed in the Project Investment Appraisal (PIA) which is Schedule 2 of the Memorandum of Agreement for Research Contract (ref:54015000) between the National Rivers Authority (NRA) and the Institute of Freshwater Ecology (IFE).

1.2 Work Programme

Stage 2 involves a field-based study of the contribution of individual streams to the total faunal richness of a set of selected catchments. The streams to be sampled should be chosen to be of good environmental quality. The work programme is as follows:

1.2.1 Macro-invertebrate data

- . Finalise the choice of sampling sites in consultation with the project leader.
- . Undertake field sampling and laboratory processing of samples collected from headwater sites in each of three seasons (spring, summer and autumn) of a single year.
- . Identify all taxa to the best achievable level (normally species).
- . Identify taxa from other appropriate headwater samples, such as those collected during the 1990 NRA River Quality Survey and the DoE-sponsored Countryside Surveys of 1988 and 1990.

1.2.2 Environmental data

- . Derive environmental data required for RIVPACS by field measurement or from cartographic sources. The latter should also be used to derive other topographical, geological, soil type and geographical information relevant to the project.
- . In addition other habitat features or management practices which might explain the presence or absence of species should be noted.

1.2.3 Land use

- . Carry out ground surveys of land-use in the 1km squares containing the sample sites.
- . Utilize available satellite imagery of the whole study catchment to place the study sites in context.
- . Undertake an assessment of current and historical farming/land-use practices from a variety of sources such as maps, parish records, planning records, aerial photography, MAFF Annual Agricultural Censuses and Farm Business Surveys.

1.2.4 Reporting

- . Produce progress reports as required.
- . Produce a draft main report by 1st February 1993 and a final main report, as an NRA Note, by 31st March 1993.

The following text is sectioned in accordance with Schedule 1 of the research contract and outlines the progress made in meeting the scientific objectives within the prescribed project budget.

1.3 Progress Achieved

1.3.1 Headwater Sites - Biological.

Sampling for aquatic macro-invertebrates has been successfully completed for most sites for all three scheduled seasons. Sampling dates are given in Appendices 1-4.

Full details of the sampling programme, including liaison with the NRA project leader were outlined in the previous progress report.

1.3.2 Headwater Sites - Environmental

Standard, field-measured physical data were collected from each site at the time of biological sampling, as detailed in the previous progress report.

1.3.3 Headwater Sites - Land-use

Land-use ground-truth surveys of headwater sub-catchments were undertaken in summer, as detailed in the previous progress report.

1.3.4 Lower Catchment Sites - Biological

The full lists of samples received from the NRA regions for each season are given in Appendices 1-4.

Almost all samples from each season have been received. The exceptions are two autumn samples from the Stour. One has still to be delivered whilst the other was discarded in error and the site will need to be re-sampled in 1992.

1.3.5 Lower Catchment Sites - Environmental

Standard environmental data for lower catchment sites, excluding chemical information, have been received for all samples.

1.3.6 Lower Catchment Sites - Land-use

Land-use data for these sub-catchments will be derived from the MAFF Annual Parish statistics and remote sensing. The full national data-sets for 1978, 1984 and 1988 have already been acquired by IFE and are held on magnetic tape.

1.3.7 General and administrative

The Project Leader and Manager have liaised, as necessary, throughout the reporting period.

They jointly presented a headwater poster display at an International Conference on Water Quality in Brussels between the 16th and 18th of December 1991. Copies of these posters are held by both NRA and IFE and are available for any further promotional activity by either organisation. Additional panels may subsequently be prepared in the same style.

A meeting between IFE, the Institute of Terrestrial Ecology (ITE) and the Newcastle University NELUP group was held in January 1992. The Newcastle team are preparing a catchment-based decision support system for aiding land-use planning processes. Their principal study catchment has been the Northumbrian Tyne but they were planning to extend their research to include the contrasting Cam catchment.

Matters of mutual interest and co-operation were discussed at the January meeting. In particular, it was agreed that close liaison should be established regarding the Cam catchment with a view to maximising compatibility and minimising overlap of the two research programmes.

Since that meeting some doubt has arisen about the timing of Newcastle's Cam study. It is now unlikely to go ahead in 1992 as originally planned.

IFE's progress with the present study is regularly reported to the Advisory Committee of the Department of the Environment funded Countryside Survey 1990, on which Dr. Roger Sweeting represents the NRA.

This survey has included the collection and identification of 521 macro-invertebrate samples from streams throughout Great Britain, of which 361 were collected in 1990 and 160 in 1988. These samples were taken mainly from headwater streams and the data from them will also be available for analysis as part of the present study.

Lists of landowners requesting feedback on the results of biological and land-use studies are being compiled.

2. INTERIM RESULTS

2.1 Biological

2.1.1 Headwaters

Appendices 1-4 show the progress made in sample sorting and identification. All samples collected from headwaters by IFE have now been sorted. Spring samples from the Derwent and most Stour sites have been identified.

Sorting of lower catchment spring samples from the Lugg has begun.

2.1.2 Countryside Survey Sites

All 361 of the samples collected in 1990 have been fully identified to species or to the best achievable level. The samples collected in 1988 are being identified to the same levels. At the end of March all that remained to be identified were the Chironomidae from 64 of the 160 sites.

All identification of Chironomidae and Oligochaeta has been undertaken in the current reporting period and has continued to reveal taxa not normally found in downstream sites. In particular a wide variety of semi-terrestrial chironomid larvae have been provisionally identified.

All biological data, except the outstanding chironomid identifications, have been stored on a Micro-Vax II mainframe computer and await a final validation check. An initial ordination and classification of headwater sites will then be possible.

2.2 Environmental

2.2.1 Headwaters

All seasonal sample registers have been compiled and collation of environmental data-sets has begun.

Results of chemical determinations for total alkalinity ($\text{mg l}^{-1} \text{CaCO}_3$) and nitrate ($\text{mg l}^{-1} \text{NO}_3$) were given in the previous progress report.

The project leader has agreed to collect an additional water sample from the Rowmire Spring Stream where a mis-match between the summer and autumn results needs clarification.

2.2.2 Lower Catchment Sites

Compilation of sample registers is almost complete but no collation or analyses of environmental data have yet been undertaken.

2.2.3 Countryside Survey Sites

Full sample registers have been compiled, giving details of the sampling locations and collection dates and methods. These are provided in Appendices 5 and 6, so that each individual NRA region and Scottish River Purification Board is aware of streams sampled in their area.

Collation of environmental data-sets has begun. No chemical data are available for these sites.

2.3 Land use

2.3.1 Headwaters

The land-use survey dates were given in the previous progress report.

It had been intended to begin trial interpretations of field surveys during this reporting period. However equipment purchased for the purpose proved faulty and has been returned to the supplier for repair or replacement. Therefore no analyses have yet been carried out on the data.

It is hoped to have the equipment returned and operational in early April. In the meantime staff resources were re-directed towards further sample processing and the latter element of the project is therefore now ahead of schedule.

Informal links with MAFF personnel have been established concerning the availability of land-use data. A complete allocation of all 1km squares in Britain to a single, predominant parish could well be of value in interpreting the national MAFF parish census data which has been acquired by IFE. The square allocation has been undertaken by the University of Edinburgh, from whom it is commercially available.

Enquiries to MAFF have revealed that their 1988 parish census is likely to be the last to be available outside the ministry. This is because of landowners' complaints that their specific holdings may, too easily, be identified by researchers.

2.3.2 Lower Catchment Sites

No analysis of land-use in these catchments has yet been attempted.

2.3.3 Countryside Survey Sites

No data collation or analysis has yet been carried out for these sites. However work is expected to begin shortly, once possible collaboration by the Institute of Hydrology has been clarified.

3. WORK PROGRAMME FOR THE NEXT REPORTING PERIOD

The period considered here is from 1st April 1992 until 30th June 1992.

3.1 Biological and Environmental Sampling of Headwater Sites

- . Spring samples will be collected from the two replacement sites on the Cam.
- . These samples will be sorted and identified.
- . Collation and computer logging of environmental site data will be completed.
- . Chemical sampling schedules for sites dry in summer and autumn will be undertaken. This may require NRA co-operation.
- . Lists of landowners' requests for data feedback will be completed and the results supplied to them when available.

3.2 Lower Catchment Sites

- . Definitive lists of the sites to be studied in each catchment will be drawn up from the samples already supplied to IFE.
- . Amended sample registers for these sites will be produced.
- . Sample sorting will continue.
- . Collation and computer logging of environmental site data will be completed.

3.3 Countryside Survey Sites

- . Identification of the outstanding Chironomidae from 1988 samples will be completed
- . All available biological data will be collated, stored on computer and checked for accuracy.
- . Initial ordination and classification analyses of headwater sites in this data-set will be carried out.
- . Compilation of environmental data files will be completed.

3.4 Land-use

- . Analyses of the field surveyed land-use data will begin.
- . Analyses of some of the field surveyed river corridor data will begin.
- . Investigation of sources of archived/published land-use data for the study catchments will continue.
- . Landowners' requests for data feedback will be met once results become available.
- . Availability of satellite-imagery data for the study catchments will be pursued with ITE's Environmental Information Centre who are in the process of compiling a full national land cover map centred on 1990.

4. COST OF WORK DURING THE REPORTING PERIOD

The total cost of the work undertaken during the reporting period is likely to be in line with the Memorandum of Agreement.

Detailed costings will be made available to the NRA, via the IFE Finance Officer as soon as possible.

5. ESTIMATE OF TOTAL COST OF WORKS

The estimated inflation-linked costs of the works under each category of expenditure remain as listed in Section 10 of the PIA and Schedule 8 of the project contract.

6. ESTIMATE OF COSTS FOR THE NEXT REPORTING PERIOD

Costs for the next reporting period are expected to be in line with the anticipated cost-base adjusted budget.

7. FACTORS LIKELY TO AFFECT THE SATISFACTORY COMPLETION OF THE WORK

The work is generally on schedule and it is anticipated that all major contract deadlines will be met. However three un-resolved issues may effect the timing of specific tasks.

Firstly, the rate of processing land-use field survey data has yet to be determined for the reason given above.

Secondly, the possible assistance of the Institute of Hydrology, with automated, digitized catchment-boundary definitions has still not been resolved. If realised, this co-operation may lead to re-allocation of funding and staff time schedules.

Finally the completion date for ITE's national land cover map is still unclear, as are the cost implications of acquiring the data.

APPENDIX 1 River Cam catchment. Sampling locations & dates. (* = sample sorted/dry ** = sample identified).

HEADWATER SITES (sampled by JFE)

		NGR	SPRING	SUMMER	AUTUMN
UN-NAMED WATERCOURSE	BURWELL	(TL 587 660)	06 MAY 1991 *	05 AUG 1991 *	29 OCT 1991 *
CAUNDLE DITCH	TEVERSHAM	(TL 504 573)	07 MAY 1991 *	05 AUG 1991 *	29 OCT 1991 *
NINE WELLS SPRING	NINE WELLS	(TL 460 542)	07 MAY 1991 *	06 AUG 1991 *	29 OCT 1991 *
UN-NAMED WATERCOURSE	LANGLEY WOOD	(TL 615 419)	07 MAY 1991 *	DRY 6-8-91 *	DRY 30-10-91 *
THE SLADE	HADSTOCK COMMON	(TL 547 436)	07 MAY 1991 *	DRY 6-8-91 *	DRY 30-10-91 *
RIVER CAM	PRIOR'S WOOD	(TL 549 306)	08 MAY 1991 *	06 AUG 1991 *	30 OCT 1991 *
HOFFER BROOK	THRIFLOW	(TL 452 470)	09 MAY 1991 *	SITE ABANDONED	
CASCOTE DEAN	CAXTON	(TL 296 584)	09 MAY 1991 *	SITE ABANDONED	
UN-NAMED WATERCOURSE	CALDECOTE	(TL 337 565)		07 AUG 1991 *	31 OCT 1991 *
UN-NAMED WATERCOURSE	WHADDON GAP	(TL 343 461)	08 MAY 1991 *	06 AUG 1991 *	31 OCT 1991 *
ARRINGTON BROOK	ARRINGTON	(TL 325 505)	09 MAY 1991 *	DRY 6-8-91 *	DRY 30-10-91 *
UN-NAMED WATERCOURSE	WELLHEAD SPRINGS	(TL 328 431)	09 MAY 1991 *	SITE ABANDONED	
UN-NAMED WATERCOURSE	DOWN HALL FARM	(TL 308 438)		07 AUG 1991 *	31 OCT 1991 *
RUDDERY SPRING	ASHWELL	(TL 279 403)	09 MAY 1991 *	DRY 7-8-91 *	DRY 30-10-91 *

LOWER CATCHMENT SITES (sampled by NRA)

RIVER RHEE	ASHWELL	(TL 270 398)	30 APR 1991	23 JUL 1991	11 NOV 1991
WHADDON BROOK	WHADDON	(TL 539 465)	30 APR 1991	18 JUL 1991	11 NOV 1991
BLACK PEAK SPRING STREAM	MELDRETH	(TL 383 474)	14 MAY 1991	18 JUL 1991	11 NOV 1991
SWAFFAM BULBECK LODGE	COMMERCIAL END	(TL 554 635)	15 MAY 1991	06 JUL 1991	16 OCT 1991
MILL RIVER	WENDY	(TL 321 475)	30 APR 1991	23 JUL 1991	11 NOV 1991
RIVER GRANTA	HILDERSHAM	(TL 545 485)	07 MAY 1991	28 JUN 1991	15 OCT 1991
BOURN BROOK	CANTELUPE FARM	(TL 432 547)	14 MAY 1991	26 JUN 1991	15 OCT 1991
REACH LODGE	UPWARE LOCK	(TL 537 698)	13 MAY 1991	04 JUNE 1991	16 OCT 1991
BOTTISHAM LODGE	LODGE	(TL 532 630)	13 MAY 1991	06 JUNE 1991	16 OCT 1991
RIVER RHEE	WIMPOLE LODGE	(TL 334 485)	30 APR 1991	18 JUL 1991	11 NOV 1991
RIVER RHEE	HARSTON	(TL 417 511)	30 APR 1991	22 JUL 1991	11 NOV 1991
RIVER CAM	HAUXTON MILL	(TL 432 527)	07 MAY 1991	23 JUL 1991	13 NOV 1991
RIVER CAM	ANSTEY HALL	(TL 438 549)	14 MAY 1991	26 JUL 1991	15 OCT 1991
RIVER CAM	DIMMOCK'S COTE	(TL 537 723)	13 MAY 1991	06 JUN 1991	16 OCT 1991

Prior's Wood site formerly called Amberden Hall. Sites at Caldecote and Down Hall Farm to be sampled again in spring 1992. Sites at Thriplow, Caxton and Wellhead Springs abandoned because of poor water quality.

APPENDIX 2 R.Derwent catchment. Sampling locations & dates. (* = sample sorted/dry ** = sample identified).

<u>HEADWATER SITES (sampled by IFE)</u>		NCR	SPRING	SUMMER	AUTUMN
BILLET HOWE NOOK SLACK	TURF RICC	(NZ 916 007)	14 MAY 1991 **	13 AUG 1991 *	23 OCT 1991 *
MILL BECK	BATHINGWELL WOOD	(SE 822 638)	14 MAY 1991 **	13 AUG 1991 *	21 OCT 1991 *
ROWMIRE SPRING STREAM	ROWMIRE PLANTATION	(SE 828 653)	14 MAR 1991 **	13 AUG 1991 *	21 OCT 1991 *
BISHOP WILTON BECK	BISHOP WILTON	(SE 802 554)	14 MAY 1991 **	14 AUG 1991 *	21 OCT 1991 *
LONG GILL	NEWGATE FOOT	(SE 866 935)	14 MAY 1991 **	13 AUG 1991 *	21 OCT 1991 *
HALLEYKELD SPRING STREAM	HALLEYKELD RICC	(SE 939 860)	16 MAY 1991 **	15 AUG 1991 *	23 OCT 1991 *
UN-NAMED WATERCOURSE	NAB FARM	(SE 860 951)	14 MAY 1991 **	13 AUG 1991 *	21 OCT 1991 *
MARR'S BECK	RAPE CLOSE LANE	(SE 610 735)	15 MAY 1991 **	14 AUG 1991 *	22 OCT 1991 *
BELLYMAR DIKE	HARTOFT RICC	(SE 754 955)	16 MAY 1991 **	15 AUG 1991 *	21 OCT 1991 *
GILL DIKE	FROST HALL	(SE 642 987)	16 MAY 1991 **	14 AUG 1991 *	23 OCT 1991 *
COWHOUSE BECK	SNAPER HOUSE	(SE 598 912)	16 MAY 1991 **	15 AUG 1991 *	22 OCT 1991 *
MIREFALLS GILL	REIN'S WOOD	(SE 566 853)	15 MAY 1991 **	14 AUG 1991 *	22 OCT 1991 *
SLEDHILL GILL	YOWLASS WOOD	(SE 531 870)	15 MAY 1991 **	14 AUG 1991 *	22 OCT 1991 *
WHEAT BECK	DALE HEAD	(SE 496 950)	15 MAY 1991 **	14 AUG 1991 *	22 OCT 1991 *
<u>LOWER CATCHMENT SITES (sampled by NRA)</u>					
SCAMPSTON BECK	SCAMPSTON	(SE 868 757)	02 MAY 1991	05 AUG 1991	23 OCT 1991
WHISPERDALES BECK	LOW DALES	(SE 958 922)	02 MAY 1991	05 AUG 1991	23 OCT 1991
HODGE BECK	HOLD CAULDRON	(SE 668 869)	24 MAY 1991	05 AUG 1991	23 OCT 1991
HOLBECK	HOVINGHAM CARRS	(SE 669 773)	02 MAY 1991	15 AUG 1991	23 OCT 1991
SAILS BECK	ALLERTHORPE COMMON	(SE 743 476)	02 MAY 1991	16 AUG 1991	19 NOV 1991
BIELBY BECK	HAYTON	(SE 820 457)	02 MAY 1991	19 AUG 1991	19 NOV 1991
PICKERING BECK	LEVISHAM	(SE 816 911)	18 APR 1991	15 AUG 1991	23 OCT 1991
RIVER SEVEN	SINNINGTON	(SE 745 853)	24 MAY 1991	05 AUG 1991	23 OCT 1991
RIVER SEPH	LASKILL	(SE 563 907)	24 APR 1991	05 AUG 1991	23 OCT 1991
MENETHORPE BECK	MENETHORPE	(SE 768 670)	02 MAY 1991	05 AUG 1991	23 OCT 1991
SPITTLE BECK	BRAISTHWAITE BRIDGE	(SE 727 624)	23 APR 1991	05 AUG 1991	23 OCT 1991
RIVER RYE	HELMSLEY	(SE 615 836)	24 APR 1991	02 AUG 1991	DRY 23-10-91
RIVER RYE	NUNNINGTON	(SE 664 794)	02 MAY 1991	02 AUG 1991	23 OCT 1991

APPENDIX 3 River Lugg catchment. Sampling locations & dates. (* = sample sorted/dry ** = sample identified).

<u>HEADWATER SITES (sampled by IFE)</u>		NGR	SPRING	SUMMER	AUTUMN
UN-NAMED WATERCOURSE	CREAT WACTON	(SO 534 433)	20 MAY 1991 *	19 AUG 1991 *	05 NOV 1991 *
UN-NAMED WATERCOURSE	BREDENBURY	(SO 603 558)	20 MAY 1991 *	19 AUG 1991 *	05 NOV 1991 *
UN-NAMED WATERCOURSE	BARNSTONE FARM	(SO 577 532)	20 MAY 1991 *	DRY 20-8-91 *	05 NOV 1991 *
STRETFORD BROOK	PUDLESTON COURT	(SO 561 593)	20 MAY 1991 *	SITE ABANDONED	
UN-NAMED WATERCOURSE	DUNHAMPTON FARM	(SO 586 603)	21 MAY 1991 *	20 AUG 1991 *	06 NOV 1991 *
UN-NAMED WATERCOURSE	DINMORE MANOR	(SO 490 503)	21 MAY 1991 *	20 AUG 1991 *	06 NOV 1991 *
NEWBRIDGE BROOK	SHOAL'S BANK	(SO 394 494)	21 MAY 1991 *	DRY 21-8-91 *	07 NOV 1991 *
GLADESTRY BROOK	CEFNHIR	(SO 210 558)	22 MAY 1991 *	DRY 21-8-91 *	07 NOV 1991 *
UN-NAMED WATERCOURSE	GLASNANT	(SO 182 508)	22 MAY 1991 *	21 AUG 1991 *	07 NOV 1991 *
UN-NAMED WATERCOURSE	LOWER LYE	(SO 407 672)	21 MAY 1991 *	DRY 20-8-91 *	DRY 6-11-91 *
UN-NAMED WATERCOURSE	CRINFYNYDD	(SO 176 602)	22 MAY 1991 *	21 AUG 1991 *	06 NOV 1991 *
UN-NAMED WATERCOURSE	HILL HOUSE DINGLE	(SO 303 685)	22 MAY 1991 *	20 AUG 1991 *	06 NOV 1991 *
UN-NAMED WATERCOURSE	PEN-TWYN	(SO 187 729)	22 MAY 1991 *	20 AUG 1991 *	06 NOV 1991 *

LOWER CATCHMENT SITES (sampled by NRA)

MORETON BROOK	SHELWICH GREEN	(SO 532 438)	04 APR 1991	30 JUL 1991	23 OCT 1991
BACK BROOK	KINGTON	(SO 303 570)	03 APR 1991 *	29 JUL 1991	22 OCT 1991
CURL BROOK	PEMBRIDGE	(SO 390 585)	03 APR 1991 *	29 JUL 1991	22 OCT 1991
MAIN DITCH	LEOMINSTER	(SO 501 597)	03 APR 1991	29 JUL 1991	22 OCT 1991
STRETFORD BROOK	STRETFORD	(SO 441 553)	03 APR 1991	29 JUL 1991	22 OCT 1991
RIVER LODON	STOKE LACY	(SO 619 494)	04 APR 1991	30 JUL 1991	23 OCT 1991
HACKLEY BROOK	NOAKES BRIDGE	(SO 634 548)	04 APR 1991	30 JUL 1991	23 OCT 1991
TEDSTONE BROOK	BROMYARD	(SO 657 551)	04 APR 1991	30 JUL 1991	23 OCT 1991
HINDWELL BROOK	COMBE	(SO 345 635)	03 APR 1991	29 JUL 1991	22 OCT 1991
RIVER ARROW	BROADWARD	(SO 498 571)	03 APR 1991	29 JUL 1991	22 OCT 1991
RIVER PROME	YARKHILL	(SO 614 427)	04 APR 1991	30 JUL 1991	23 OCT 1991
RIVER LUGG	MORDIFORD	(SO 570 375)	19 APR 1991	31 JUL 1991	24 OCT 1991

Pudleston Court and Dunhampton Farm were each sampled in spring as alternative sites. Dunhampton Court proved to be the more suitable and Pudleston Court was abandoned in subsequent seasons.

APPENDIX 4 River Stour catchment. Sampling locations & dates. (* = sample sorted/dry ** = sample identified).

<u>HEADWATER SITES (sampled by IPE)</u>		NCR	SPRING	SUMMER	AUTUMN
UN-NAMED WATERCOURSE	CASPER	(ST 763 335)	01 MAY 1991 **	30 JUL 1991 *	15 OCT 1991 *
UN-NAMED WATERCOURSE	WOODLANDS MANOR	(ST 816 309)	01 MAY 1991 **	30 JUL 1991 *	15 OCT 1991 *
UN-NAMED WATERCOURSE	COWHERD SHUTE FARM	(ST 858 239)	03 MAY 1991 **	30 JUL 1991 *	15 OCT 1991 *
UN-NAMED WATERCOURSE	WEST WOOD	(ST 694 219)	01 MAY 1991 **	DRY 30-7-91 *	DRY 15-10-91 *
UN-NAMED WATERCOURSE	LYON'S GATE	(ST 656 055)	02 MAY 1991 **	29 JUL 1991 *	14 OCT 1991 *
UN-NAMED WATERCOURSE	ALTON COMMON	(ST 717 047)	01 MAY 1991 **	29 JUL 1991 *	14 OCT 1991 *
UN-NAMED WATERCOURSE	TWYFORD	(ST 862 186)	01 MAY 1991 **	31 JUL 1991 *	14 OCT 1991 *
UN-NAMED WATERCOURSE	FARRINGTON	(ST 846 152)	03 MAY 1991 **	31 JUL 1991 *	14 OCT 1991 *
UN-NAMED WATERCOURSE	WOOLLAND	(ST 782 069)	02 MAY 1991 *	29 JUL 1991 *	14 OCT 1991 *
UN-NAMED WATERCOURSE	OKEFORD FITZPAINE	(ST 801 105)	02 MAY 1991 *	29 JUL 1991 *	14 OCT 1991 *
GUSSAGE	GUSSAGE ST. ANDREW	(ST 973 145)	29 APR 1991 *	DRY 29-7-91 *	DRY 15-10-91 *
UN-NAMED WATERCOURSE	DELPH WOOD	(SZ 013 972)	03 MAY 1991 *	31 JUL 1991 *	15 OCT 1991 *

LOWER CATCHMENT SITES (sampled by NRA)

SHREEN WATER	COLESBROOK	(ST 807 278)	13 MAY 1991	12 AUG 1991	18 NOV 1991
RIVER LODDEN	GILLINGHAM	(ST 815 261)	12 MAY 1991	12 AUG 1991	18 NOV 1991
CAUNDLE BROOK	BLACKMORE FORD	(ST 675 097)	18 MAR 1991	13 JUN 1991	06 SEP 1991
FONTMELL BROOK	FONTMELL PARVA	(ST 825 147)	18 MAR 1991	20 JUN 1991	19 SEP 1991
RIVER ALLEN	WALFORD MILL	(SU 010 006)	06 MAR 1991	27 JUN 1991	
RIVER CALE	SYLES FARM	(ST 759 199)	02 MAY 1991	31 JUL 1991	
RIVER STOUR	TRILL BRIDGE	(ST 790 205)	13 MAY 1991	12 AUG 1991	18 NOV 1991
CAUNDLE BROOK	WARR BRIDGE	(ST 733 143)	27 MAR 1991	17 JUL 1991	07 OCT 1991
RIVER LYDDEN	COX'S WATER	(ST 743 129)	27 MAR 1991	17 JUL 1991	20 SEP 1991
RIVER STOUR	PLECK	(ST 765 176)	05 APR 1991	30 JUL 1991	07 OCT 1991
RIVER LYDDEN	BACBER BRIDGE	(ST 765 157)	04 APR 1991	04 JUL 1991	17 OCT 1991
RIVER STOUR	SPETISBURY	(ST 919 020)	25 MAR 1991	26 JUN 1991	09 OCT 1991

The autumn sample from the River Allen at Walford Mill is still to be delivered by Wessex NRA.

The autumn sample from the River Cale at Syles Farm was thrown away, in error, by Wessex NRA and will be collected by IPE in 1992.

APPENDIX 5 A listing of Countryside Survey samples collected in 1990.

010006CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	TOWEDNACK 13 SEP 1990	(SW 480 379)
010019CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	STONE FARM 13 OCT 1990	(SX 835 530)
010055CO	UN-NAMED WATERCOURSE NOT SAMPLED 19 JUN 1990	STOKE MILL FARM NOT SAMPLED	(SY 420 973)
010056CO	R.HOOKE NOT SAMPLED 6 JUN 1990	TOLLER FRATRUM NOT SAMPLED	(SY 574 976)
010061CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	VICARS HILL 22 OCT 1990	(SY 328 973)
010073CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	RASHLEIGH BARTON 27 SEP 1990	(SS 679 128)
010077CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	BEETHAM 4 NOV 1990	(ST 279 123)
010090CO	UN-NAMED WATERCOURSE NOT SAMPLED 12 JUL 1990	TOTTINGTON SANDS NOT SAMPLED	(TQ 225 130)
010104CO	UN-NAMED WATERCOURSE NOT SAMPLED 25 AUG 1990	WALFORD NOT SAMPLED	(ST 274 278)
010110CO	UN-NAMED WATERCOURSE NOT SAMPLED 12 JUN 1990	ALDERBURY NOT SAMPLED	(SU 176 271)
010131CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	NORTH TOWN 23 SEP 1990	(ST 571 423)
010160CO	UN-NAMED WATERCOURSE NOT SAMPLED 5 AUG 1990	HILL END FARM NOT SAMPLED	(SU 622 579)
010208CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	FRITH FARM 11 OCT 1990	(ST 720 875)
010212CO	UN-NAMED WATERCOURSE NOT SAMPLED 31 AUG 1990	KINGSTON LISLE NOT SAMPLED	(SU 320 878)
010242CO	UN-NAMED WATERCOURSE NOT SAMPLED 7 AUG 1990	GREAT MILTON NOT SAMPLED	(SP 626 029)
010258CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	CLEARBROOK 12 SEP 1990	(SN 524 177)
010273CO	UN-NAMED WATERCOURSE NOT SAMPLED 16 AUG 1990	LOWER FARM NOT SAMPLED	(SP 779 174)
010324CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	BACHE WOOD 18 SEP 1990	(SO 421 471)
010353CO	CHEATON BROOK NOT SAMPLED NOT SAMPLED	QUINTON 11 SEP 1990	(SD 576 621)
010355CO	UN-NAMED WATERCOURSE NOT SAMPLED 3 AUG 1990	SALWARPE NOT SAMPLED	(SO 872 620)
010385CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	BELLINGTON FARM 2 OCT 1990	(SO 877 770)
020076CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	LICKHAM BOTTOM 11 NOV 1990	(ST 129 125)
020086CO	UN-NAMED WATERCOURSE NOT SAMPLED 27 JUL 1990	MARTIN'S CORNER NOT SAMPLED	(SU 621 124)
020111CO	UN-NAMED WATERCOURSE NOT SAMPLED 20 JUN 1990	MOTTISFONT ABBEY NOT SAMPLED	(SU 329 271)
020180CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	STOWELL FARM 7 NOV 1990	(ST 800 728)
020209CO	R.AVON NOT SAMPLED NOT SAMPLED	BRANSDOWN HILL 19 OCT 1990	(ST 874 873)
020269CO	R.WINDNISH NOT SAMPLED NOT SAMPLED	NEW BRIDGE 6 SEP 1990	(SP 180 173)
030116CO	UN-NAMED WATERCOURSE NOT SAMPLED 31 JUL 1990	ROWNER FARM NOT SAMPLED	(TQ 073 273)
030121CO	UN-NAMED WATERCOURSE NOT SAMPLED 25 JUL 1990	LAMBERDEN NOT SAMPLED	(TQ 822 271)

030143CO	EDEN BROOK NOT SAMPLED 17 JUL 1990	JACKSBRIDGE FARM NOT SAMPLED	(TQ 379 429)
030145CO	UN-NAMED WATERCOURSE NOT SAMPLED 3 JUL 1990	MOATLANDS NOT SAMPLED	(TQ 672 430)
030146CO	HAMMER STREAM NOT SAMPLED 1 JUL 1990	WATERMAN QUARTER NOT SAMPLED	(TQ 828 429)
030341CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	CHELSWORTH 12 SEP 1990	(TL 976 479)
030395CO	CRANBROOK DRAIN NOT SAMPLED 30 AUG 1990	COLNEFIELDS NOT SAMPLED	(TL 371 780)
030451CO	UN-NAMED WATERCOURSE NOT SAMPLED 6 JUL 1990	PLAYTERS NOT SAMPLED	(TF 678 070)
040093CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	GARDENERS FARM 5 NOV 1990	(TQ 677 123)
040205CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	YNYSYFRO 10 OCT 1990	(ST 289 888)
040279CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	FORD END 4 SEP 1990	(TL 676 174)
040366CO	QUY WATER NOT SAMPLED 25 JUN 1990	ANGLESEY ABBEY NOT SAMPLED	(TL 530 624)
040423CO	OLD CROFT RIVER NOT SAMPLED 2 AUG 1990	WELNEY NOT SAMPLED	(TL 529 929)
040513CO	MUNDESLEY BECK NOT SAMPLED 15 AUG 1990	GIMMINGHAM HALL NOT SAMPLED	(TG 276 371)
040535CO	HOBHOLE DRAIN NOT SAMPLED NOT SAMPLED	BANK FARM 17 OCT 1990	(TF 374 521)
050053CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	SHERMANS FARM 19 OCT 1990	(SY 120 974)
050130CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	WESTHAY 26 SEP 1990	(ST 424 422)
050155CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	BISS FARM 20 OCT 1990	(ST 871 574)
050161CO	R.HART NOT SAMPLED 8 AUG 1990	HARTFORDBRIDGE NOT SAMPLED	(SU 773 579)
050203CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	TYNEWYDD 18 OCT 1990	(SS 972 872)
050230CO	CLYDACH BROOK NOT SAMPLED 22 AUG 1990	VALE OF NEATH NOT SAMPLED	(SN 829 030)
050234CO	PILL BROOK NOT SAMPLED NOT SAMPLED	RHYD-Y-MAEN 18 SEP 1990	(SO 424 022)
050377CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	CENNANT 28 SEP 1990	(SN 680 775)
050383CO	BENSONS BROOK NOT SAMPLED NOT SAMPLED	WARTHILL FARM 12 SEP 1990	(SO 574 776)
050873CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	BALLIMORE 15 OCT 1990	(NR 925 830)
060013CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	TRELION 17 SEP 1990	(SW 930 525)
060015CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	SCLERDER ABBEY 9 SEP 1990	(SX 220 526)
060017CO	UN-NAMED WATERCOURSE NOT SAMPLED 20 AUG 1990	COOMBE FARM NOT SAMPLED	(SX 530 522)
060018CO	AYLESTON BROOK NOT SAMPLED NOT SAMPLED	STOKENBRIDGE 5 OCT 1990	(SX 676 521)
060024CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	TRELEATHICK 8 SEP 1990	(SX 228 670)
060025CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	WESTCOTT 7 SEP 1990	(SX 371 678)
060047CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	TREFROUSE 13 SEP 1990	(SX 226 979)

060071CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	YOULDON FARM 10 OCT 1990	(SS 371 126)
060075CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	LOWER WARNICOMBE 10 OCT 1990	(SS 979 122)
060099CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	TENNACOTT 25 SEP 1990	(SS 530 276)
060101CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	BEERE FARM 8 OCT 1990	(SS 825 271)
060127CO	UN-NAMED WATERCOURSE NOT SAMPLED 20 AUG 1990	BLACK BALL NOT SAMPLED	(SS 980 425)
060179CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	TOGHILL FARM 15 OCT 1990	(ST 720 722)
060224CO	UN-NAMED WATERCOURSE NOT SAMPLED 10 AUG 1990	PWLLCROCHAN NOT SAMPLED	(SM 921 029)
060316CO	NANT ARBERTH NOT SAMPLED 11 AUG 1990	TREWINDSOR NOT SAMPLED	(SN 225 470)
060317CO	UN-NAMED WATERCOURSE NOT SAMPLED 15 AUG 1990	BLAENAFON NOT SAMPLED	(SN 370 480)
060558CO	UN-NAMED WATERCOURSE NOT SAMPLED 16 JUN 1990	LLAINGOCH NOT SAMPLED	(SH 229 823)
070043CO	UN-NAMED WATERCOURSE NOT SAMPLED 31 AUG 1990	NODEWELL NOT SAMPLED	(SZ 324 857)
070195CO	UN-NAMED WATERCOURSE NOT SAMPLED 26 JUN 1990	STUDD HILL NOT SAMPLED	(TR 144 674)
070284CO	UN-NAMED WATERCOURSE NOT SAMPLED 9 AUG 1990	TREMYNYDD FAWR NOT SAMPLED	(SM 783 305)
070487CO	UN-NAMED WATERCOURSE NOT SAMPLED 12 JUN 1990	PORTHYSGADAN NOT SAMPLED	(SH 227 372)
070816CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	CLAUCHLANDS FARM 13 SEP 1990	(NS 046 330)
070835CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	RUBHA CREAGAN DUBHA 14 SEP 1990	(NR 937 520)
070931CO	UN-NAMED WATERCOURSE NOT SAMPLED 11 JUL 1990	GOMETRA HOUSE NOT SAMPLED	(NM 360 404)
080037CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	STAPLAKE MOUNT 12 SEP 1990	(SX 975 822)
080129CO	WHITE HOUSE RHYNE NOT SAMPLED NOT SAMPLED	PAWLETT HAMS 25 OCT 1990	(ST 271 427)
080176CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	LAMBY 6 SEP 1990	(ST 223 780)
080457CO	UN-NAMED WATERCOURSE NOT SAMPLED 25 JUL 1990	FISHERS MARSHES NOT SAMPLED	(TG 502 071)
080459CO	UN-NAMED WATERCOURSE NOT SAMPLED 11 JUL 1990	LLANBEDR NOT SAMPLED	(SH 573 253)
080702CO	UN-NAMED WATERCOURSE NOT SAMPLED 16 AUG 1990	BYSBIE COTTAGE NOT SAMPLED	(NX 475 361)
090331CO	R. CHERWELL NOT SAMPLED 23 AUG 1990	PRESCOTE MANOR NOT SAMPLED	(SP 477 471)
090413CO	R. TAME NOT SAMPLED NOT SAMPLED	PARK FARM 4 OCT 1990	(SP 025 930)
090503CO	POLSTER BROOK NOT SAMPLED NOT SAMPLED	HOLME LANE 26 SEP 1990	(SK 623 379)
090624CO	ELLERKER DRAIN NOT SAMPLED NOT SAMPLED	ELLOUGHTON 4 OCT 1990	(SE 927 273)
090648CO	R. NIDD NOT SAMPLED 13 JUN 1990	SCOTTON BANKS NOT SAMPLED	(SE 329 580)
090653CO	NAFFERTON HIGHLAND STREAM NOT SAMPLED NOT SAMPLED	CATTLEHOLMES 2 OCT 1990	(TA 075 571)
090679CO	UN-NAMED WATERCOURSE NOT SAMPLED 6 JUN 1990	RICCAL DALE NOT SAMPLED	(SE 622 873)
090756CO	LOUP SIKE NOT SAMPLED 30 JUL 1990	SHIELINGMOSS NOT SAMPLED	(NY 429 778)

100358CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	TACHBROOK MALLORY 5 SEP 1990	(SP 327 621)
100443CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	BUSKY FARM 14 SEP 1990	(SK 473 070)
100467CO	R.MEESE NOT SAMPLED NOT SAMPLED	PICKSTOCK 19 SEP 1990	(SJ 725 229)
100521CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	GEGIN 9 OCT 1990	(SJ 279 527)
100546CO	DIGHILL BROOK NOT SAMPLED 8 JUL 1990	PASTURES NOT SAMPLED	(SJ 870 677)
100572CO	R.SHEAF NOT SAMPLED NOT SAMPLED	ECCLESALL WOOD 27 SEP 1990	(SK 329 825)
100576CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	COLD HARBOUR 3 OCT 1990	(SK 921 823)
100592CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	GRAIZELOUND 4 OCT 1990	(SK 771 976)
100619CO	HUNSWORTH BROOK NOT SAMPLED 6 JUN 1990	OAKENSHAW NOT SAMPLED	(SE 179 278)
100637CO	STILLINGFLEET BECK NOT SAMPLED 12 JUN 1990	ESCRICK NOT SAMPLED	(SE 624 422)
100777CO	FENROTHER BURN NOT SAMPLED NOT SAMPLED	FENROTHER 14 NOV 1990	(NZ 178 923)
101216CO	ASKE BECK NOT SAMPLED 4 JUN 1990	ST. OSYTHE NOT SAMPLED	(NZ 178 028)
110336CO	UN-NAMED WATERCOURSE NOT SAMPLED 6 JUL 1990	SUTTON NOT SAMPLED	(TL 221 474)
110475CO	R. WITHAM NOT SAMPLED NOT SAMPLED	MOTHERFORD'S SPRING 11 SEP 1990	(SK 930 225)
110501CO	MACKWORTH BROOK NOT SAMPLED 18 JUL 1990	MARKEATON NOT SAMPLED	(SK 329 380)
110552CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	MILL FARM 23 OCT 1990	(SK 780 674)
110575CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	MAUMHILL WOOD 28 SEP 1990	(SK 775 825)
120364CO	GALLOW BROOK NOT SAMPLED 13 JUN 1990	MONKS HARDWICK NOT SAMPLED	(TL 222 621)
120420CO	UN-NAMED WATERCOURSE NOT SAMPLED 20 JUN 1990	FOTHERINGHAY NOT SAMPLED	(TL 074 930)
120477CO	UN-NAMED WATERCOURSE NOT SAMPLED 28 JUN 1990	SPALDING NOT SAMPLED	(TF 226 222)
120577CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	WICKENBY WOOD 2 OCT 1990	(TF 076 823)
130565CO	UN-NAMED WATERCOURSE NOT SAMPLED 17 AUG 1990	CARNSDALE FARM NOT SAMPLED	(SJ 279 822)
130569CO	R.DEAN NOT SAMPLED 5 JUL 1990	KINGSTREET NOT SAMPLED	(SJ 871 824)
130684CO	MECKLIN BECK NOT SAMPLED NOT SAMPLED	BURNT HOUSE 14 SEP 1990	(NY 120 026)
130699CO	EASINGTON BECK NOT SAMPLED 5 JUL 1990	DALEHOUSE PLANTATION NOT SAMPLED	(NZ 775 180)
130716CO	BARMULLAN BURN NOT SAMPLED 17 AUG 1990	BLAIRSHINNOCH NOT SAMPLED	(NX 372 471)
130721CO	SPEET GILL NOT SAMPLED NOT SAMPLED	BUSHGILLHEAD 12 SEP 1990	(NY 271 478)
130733CO	UN-NAMED WATERCOURSE NOT SAMPLED 22 AUG 1990	BARRAER NOT SAMPLED	(NX 379 622)
130753CO	UN-NAMED WATERCOURSE NOT SAMPLED 13 AUG 1990	MARCHFIELD NOT SAMPLED	(NX 978 777)
130930CO	UN-NAMED WATERCOURSE NOT SAMPLED 30 AUG 1990	BAUGH COTTAGE NOT SAMPLED	(NM 023 445)

140563CO	UN-NAMED WATERCOURSE NOT SAMPLED 26 JUN 1990	HAFOD-LLWYN NOT SAMPLED	(SH 016 782)
140626CO	BURSTWICK DRAIN NOT SAMPLED NOT SAMPLED	STUD FARM 10 OCT 1990	(TA 221 278)
140627CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	INTACK FARM 5 OCT 1990	(TA 353 259)
140654CO	UN-NAMED WATERCOURSE NOT SAMPLED 7 JUN 1990	LOW SKIRLINGTON NOT SAMPLED	(TA 189 531)
140656CO	UN-NAMED WATERCOURSE NOT SAMPLED 14 JUN 1990	KENT VIADUCT NOT SAMPLED	(SD 448 794)
140763CO	BALCREUCHAN BURN NOT SAMPLED 24 AUG 1990	LITTLE BENNANE NOT SAMPLED	(NX 101 872)
140796CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	BALLYMENACH 16 SEP 1990	(NR 754 225)
150295CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	THE VALLETS 27 SEP 1990	(SO 429 329)
150432CO	UN-NAMED WATERCOURSE NOT SAMPLED 23 JUL 1990	COED GLYN NOT SAMPLED	(SH 820 077)
150436CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	SIBBERSCOTE MANOR 10 SEP 1990	(SJ 429 080)
150518CO	AFON IWRCH NOT SAMPLED 11 JUN 1990	RHYDLANFAIR NOT SAMPLED	(SH 829 526)
150634CO	MIRE BECK NOT SAMPLED 18 JUN 1990	HIGH ROYDS NOT SAMPLED	(SE 171 425)
160603CO	RANGE DYKE NOT SAMPLED 21 JUN 1990	FARNLEY TYAS NOT SAMPLED	(SE 178 129)
160631CO	BASHALL BROOK NOT SAMPLED 26 JUN 1990	CLITHEROE NOT SAMPLED	(SD 726 422)
160640CO	UN-NAMED WATERCOURSE NOT SAMPLED 8 JUN 1990	TICKTON GRANGE NOT SAMPLED	(TA 075 427)
160642CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	TRAILHOLME 11 SEP 1990	(SD 423 572)
160644CO	R.HODDER NOT SAMPLED 28 JUN 1990	HOLME HOUSE LAITHE NOT SAMPLED	(SD 726 571)
160657CO	UN-NAMED WATERCOURSE NOT SAMPLED 27 JUN 1990	LOCKA FARM NOT SAMPLED	(SD 573 721)
160671CO	R.WINSTER NOT SAMPLED 18 JUN 1990	STOCK MOSS NOT SAMPLED	(SD 424 871)
160704CO	UN-NAMED WATERCOURSE NOT SAMPLED 2 AUG 1990	WOOD HALL FARM NOT SAMPLED	(NY 128 325)
160732CO	DRUMPAIL BURN NOT SAMPLED 22 AUG 1990	CARSCREUGH NOT SAMPLED	(NX 227 621)
160748CO	HAW BURN NOT SAMPLED 24 AUG 1990	LAGGISH NOT SAMPLED	(NX 229 779)
170035CO	NORTH WALLA BROOK NOT SAMPLED NOT SAMPLED	LAKELAND 21 SEP 1990	(SX 680 828)
170102CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	SKILGATE 7 OCT 1990	(SS 977 270)
170125CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	CHALLACOMBE COMMON 24 SEP 1990	(SS 679 424)
170202CO	NANT CWM PHILIP NOT SAMPLED NOT SAMPLED	CWM PHILIP 17 OCT 1990	(SS 820 875)
170204CO	NANT FFYNNON-WEN NOT SAMPLED NOT SAMPLED	PEN-Y-GROES 22 OCT 1990	(ST 120 873)
170232CO	NANT BARGOD RHYMNI NOT SAMPLED NOT SAMPLED	DERI 15 SEP 1990	(SO 126 022)
170260CO	R.HAFFES NOT SAMPLED 23 AUG 1990	CWM HAFFES NOT SAMPLED	(SN 828 180)
170263CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	DERI-FACH 17 OCT 1990	(SO 276 170)

170286C0	UN-NAMED WATERCOURSE NOT SAMPLED 1 AUG 1990	WAUN-MAES NOT SAMPLED	(SN 073 330)
170291C0	AFON Y CWM NOT SAMPLED 11 JUL 1990	HALFWAY NOT SAMPLED	(SN 829 328)
170294C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	OLCHON COURT 19 OCT 1990	(SO 280 324)
170348C0	AFON ARBAN NOT SAMPLED NOT SAMPLED	CARREG WEN FAWR 4 OCT 1990	(SN 830 629)
170380C0	MIGRAMS BROOK NOT SAMPLED NOT SAMPLED	PWLL TEW 1 NOV 1990	(SO 122 770)
170408C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	MEADOWS 1 SEP 1990	(SO 278 930)
170409C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	CALLOW HOLLOW 5 SEP 1990	(SO 426 920)
170433C0	AFON GAM NOT SAMPLED 30 JUL 1990	DOLWEN NOT SAMPLED	(SH 980 075)
170460C0	AFON CWM-LLECHEN NOT SAMPLED 20 JUL 1990	MYNYDD CWM-MYNACH NOT SAMPLED	(SH 671 221)
170461C0	AFON HARNOG NOT SAMPLED NOT SAMPLED	ESGAIR-GAWR 27 OCT 1990	(SH 823 223)
170517C0	AFON CWM-EDNO NOT SAMPLED 14 JUL 1990	FOEL GOCH NOT SAMPLED	(SH 678 523)
170539C0	UN-NAMED WATERCOURSE NOT SAMPLED 6 JUN 1990	BRYN-GWIAN NOT SAMPLED	(SH 822 679)
170540C0	UN-NAMED WATERCOURSE NOT SAMPLED 5 JUN 1990	PENGWERN NOT SAMPLED	(SH 977 671)
170541C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	FRON-GELYN 17 OCT 1990	(SJ122 672)
170549C0	R.HIPPER NOT SAMPLED 5 JUL 1990	CAT HOLE NOT SAMPLED	(SK 329 679)
170588C0	UN-NAMED WATERCOURSE NOT SAMPLED 21 JUN 1990	HARDEN MOORS NOT SAMPLED	(SK 177 980)
170632C0	UN-NAMED WATERCOURSE NOT SAMPLED 27 JUN 1990	HOLLY BUSH FARM NOT SAMPLED	(SD 878 422)
170867C0	EYE WATER NOT SAMPLED 13 AUG 1990	ELLY CLEUGH NOT SAMPLED	(NT 729 673)
171220C0	BUTLER BECK NOT SAMPLED 3 AUG 1990	GRANGE HEAD NOT SAMPLED	(NZ 779 024)
180321C0	UN-NAMED WATERCOURSE NOT SAMPLED 18 AUG 1990	BANC Y CWM NOT SAMPLED	(SN 972 480)
180431C0	UN-NAMED WATERCOURSE NOT SAMPLED 21 JUL 1990	ABERGYNOLWYN NOT SAMPLED	(SH 675 071)
180462C0	UN-NAMED WATERCOURSE NOT SAMPLED 19 AUG 1990	MOEL Y BRYN NOT SAMPLED	(SH 980 226)
180491C0	UN-NAMED WATERCOURSE NOT SAMPLED 19 JUL 1990	AMNODD-WEN NOT SAMPLED	(SH 820 374)
180617C0	BLACK CLOUGH NOT SAMPLED 21 JUN 1990	DODBOTTOM WOOD NOT SAMPLED	(SD 870 280)
180814C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	TORRISDALE 15 SEP 1990	(NR 773 370)
180837C0	GLEN BURN NOT SAMPLED NOT SAMPLED	GLENTANE HILL 23 OCT 1990	(NS 220 521)
180874C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	CREAG AN TAMHAISG 16 OCT 1990	(NS 072 829)
180889C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	KNOCKALAVA 13 OCT 1990	(NR 923 974)
180890C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	SIDHEAN SLUAIGH (WEST) 14 OCT 1990	(NS 072 980)
180909C0	UN-NAMED WATERCOURSE NOT SAMPLED 2 JUL 1990	BEANNIE NOT SAMPLED	(NN 828 121)

180932C0	ALLT BEALACH NAN CRAOBH NOT SAMPLED 14 JUL 1990	BEINN NA DRISE NOT SAMPLED	(NM 479 420)
180952C0	LIDDESDALE BURN NOT SAMPLED 4 AUG 1990	DOIRE NAN GAD NOT SAMPLED	(NM 774 580)
180968C0	AN GARBH ALLT NOT SAMPLED NOT SAMPLED	FIREACH DUBH 9 NOV 1990	(NM 776 720)
181115C0	UN-NAMED WATERCOURSE NOT SAMPLED 28 AUG 1990	BRAIGH BUIDHE NOT SAMPLED	(NG 022 930)
190646C0	PITSHAW DIKE NOT SAMPLED 21 JUN 1990	BRASS CASTLE NOT SAMPLED	(SE 024 574)
190705C0	HAUSE GILL NOT SAMPLED NOT SAMPLED	GREAT COCKUP 11 SEP 1990	(NY 271 327)
190769C0	BACK SIKE NOT SAMPLED 31 AUG 1990	GUBHILL NOT SAMPLED	(NX 973 923)
190783C0	LINN WATER NOT SAMPLED 28 AUG 1990	MEIKLE HILL NOT SAMPLED	(NS 521 078)
190809C0	LONG CLEUGH NOT SAMPLED NOT SAMPLED	MOUNTHOOLY 3 OCT 1990	(NT 880 221)
190847C0	FOUL BURN NOT SAMPLED 13 JUN 1990	LEES HILL NOT SAMPLED	(NT 722 528)
190903C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	CNOC A' CHROMH-STRI 12 OCT 1990	(NM 930 123)
190910C0	PAIRNEY BURN NOT SAMPLED 27 JUN 1990	EASTER COUL NOT SAMPLED	(NN 973 124)
191219C0	UN-NAMED WATERCOURSE NOT SAMPLED 6 JUL 1990	MIDDLE HEAD NOT SAMPLED	(NZ 623 021)
200602C0	REDBROOK CLOUGH NOT SAMPLED 20 JUN 1990	HEY GREEN NOT SAMPLED	(SE 028 120)
200673C0	UN-NAMED WATERCOURSE NOT SAMPLED 10 JUL 1990	BACKSTONEGILL NOT SAMPLED	(SD 721 875)
200723C0	CROGLIN WATER NOT SAMPLED 17 JUL 1990	CROGLIN BRIDGE NOT SAMPLED	(NY 576 471)
200737C0	UN-NAMED WATERCOURSE NOT SAMPLED 8 AUG 1990	HOLEHOUSE NOT SAMPLED	(NX 975 621)
200785C0	RITCHIE'S CLEUCH NOT SAMPLED NOT SAMPLED	AYLMERBANK WOOD 4 SEP 1990	(NS 826 071)
200789C0	TEINDSIDE BURN NOT SAMPLED NOT SAMPLED	TEINDSIDE LODGE 19 SEP 1990	(NT 430 078)
200790C0	WAUCHOPE BURN NOT SAMPLED NOT SAMPLED	DYKEHEADS 19 SEP 1990	(NT 578 079)
200825C0	R. CADDON NOT SAMPLED 6 JUN 1990	CRAIGLATCH NOT SAMPLED	(NT 428 374)
200843C0	UN-NAMED WATERCOURSE 31 MAY 1990 NOT SAMPLED	LITTLE KING SEAT NOT SAMPLED	(NT 130 526)
200844C0	FUMART SYKE 30 MAY 1990 NOT SAMPLED	TWEEDALEBURN NOT SAMPLED	(NT 280 525)
201212C0	BORROW BECK NOT SAMPLED 9 JUL 1990	LOW BORROWDALE NOT SAMPLED	(NY 577 021)
210787C0	CONNEL BURN NOT SAMPLED 31 AUG 1990	MOFFAT DALE NOT SAMPLED	(NT 129 070)
210820C0	DYKES BURN NOT SAMPLED NOT SAMPLED	BURNSIDE 26 OCT 1990	(NS 673 380)
210922C0	INVERHAGGERNIE BURN NOT SAMPLED NOT SAMPLED	INVERHAGGERNIE 4 SEP 1990	(NN 375 271)
210991C0	UN-NAMED WATERCOURSE NOT SAMPLED 15 AUG 1990	DRUIM NA BEISTE NOT SAMPLED	(NN 525 880)
211028C0	CAOCHAN NA MUIC NOT SAMPLED 8 JUN 1990	BHLARAIDH NOT SAMPLED	(NH 380 173)
211090C0	UN-NAMED WATERCOURSE NOT SAMPLED 23 JUN 1990	HEIGHTS OF KINLOCHEWE NOT SAMPLED	(NH 076 629)

211121CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	MEALLAN ODHAR NAN GLASA 17 OCT 1990	(NH 370 928)
211130CO	UN-NAMED WATERCOURSE NOT SAMPLED 26 JUN 1990	CNOC LIATH NOT SAMPLED	(NC 225 077)
211131CO	UN-NAMED WATERCOURSE NOT SAMPLED 22 JUN 1990	COIRE DUBH (SOUTH) NOT SAMPLED	(NC 370 078)
211142CO	COIRE NA SMUGAIDEAN NOT SAMPLED 20 JUN 1990	NEAR LOCHAN NAN SMUGAIDEAN NOT SAMPLED	(NC 371 229)
211146CO	TORRISH BURN NOT SAMPLED NOT SAMPLED	SKELABOSDALE 12 OCT 1990	(NC 970 220)
211175CO	ALLT CLAIS EIRIGILL NOT SAMPLED NOT SAMPLED	CLEIT AN T-SEABHAIG 10 OCT 1990	(NC 522 679)
220726CO	UN-NAMED WATERCOURSE NOT SAMPLED 13 JUL 1990	CROSS RIGG NOT SAMPLED	(NZ 026 470)
220758CO	BUTTHILL SIKE NOT SAMPLED NOT SAMPLED	FELECIA CRAGS 22 SEP 1990	(NY 730 773)
220765CO	PILNYARK BURN NOT SAMPLED 22 AUG 1990	SHALLOCH NOT SAMPLED	(NX 371 920)
220772CO	UN-NAMED WATERCOURSE NOT SAMPLED 26 JUL 1990	MID HEIGHT NOT SAMPLED	(NY 420 926)
220774CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	HIGHFIELD 21 SEP 1990	(NY 726 920)
220784CO	KELLO WATER NOT SAMPLED 28 JUL 1990	MAHAGO RIG NOT SAMPLED	(NS 672 076)
220786CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	HITTERIL HILL 4 SEP 1990	(NS 971 076)
220791CO	LONG BURN NOT SAMPLED NOT SAMPLED	SWINLEE HOPE 21 SEP 1990	(NT 727 080)
220823CO	HOLLOWS BURN NOT SAMPLED 9 JUN 1990	BROUGHTON PLACE NOT SAMPLED	(NT 121 378)
220958CO	INNERHADDEN BURN NOT SAMPLED 18 AUG 1990	DALCHOSNIE NOT SAMPLED	(NN 677 579)
220962CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	WESTER COUL 28 SEP 1990	(NO 276 571)
220994CO	ALLT DHAIDH BEAG NOT SAMPLED 12 JUL 1990	DUKES CHAIR NOT SAMPLED	(NN 980 876)
220998CO	WATER OF AVEN 31 MAY 1990 NOT SAMPLED	TOMANARRACH NOT SAMPLED	(NO 579 877)
221005CO	ABHAINN CHOSDAIDH NOT SAMPLED NOT SAMPLED	GLEANN COSAIDH 31 OCT 1990	(NG 929 022)
221015CO	RED BURN NOT SAMPLED 31 JUN 1990	ALLALOGIE NOT SAMPLED	(NJ 426 026)
221035CO	ALLTESSAN BURN NOT SAMPLED NOT SAMPLED	CHAPEL HILL 31 OCT 1990	(NJ 426 176)
221046CO	ALLT NA FEITHE BUIDHE NOT SAMPLED 9 JUN 1990	CREAG CAPACH NOT SAMPLED	(NG 930 328)
221054CO	BURN OF DUAIR NOT SAMPLED 15 JUN 1990	CULFOICHBEG NOT SAMPLED	(NJ 121 330)
221056CO	UN-NAMED WATERCOURSE NOT SAMPLED 15 AUG 1990	WHITE GEESE NOT SAMPLED	(NJ 429 320)
221057CO	MALSACH BURN NOT SAMPLED 20 JUN 1990	MOSS OF WARDHOUSE NOT SAMPLED	(NJ 571 320)
221067CO	ALLT COIRE ATTADALE NOT SAMPLED NOT SAMPLED	APPLECROSS FOREST 30 OCT 1990	(NG 773 478)
221159CO	ALLT BAD AN T-SEARRAICH NOT SAMPLED NOT SAMPLED	CNOC AN T-SEARRAICH 6 NOV 1990	(ND 128 373)
221214CO	CAVESIDE GILL NOT SAMPLED 20 JUL 1990	WASHFOLD NOT SAMPLED	(NY 871 026)
230659CO	UN-NAMED WATERCOURSE NOT SAMPLED 25 JUL 1990	DAWSON CLOSE NOT SAMPLED	(SD 862 729)

230674C0	UN-NAMED WATERCOURSE NOT SAMPLED 11 JUL 1990	YORBURGH NOT SAMPLED	(SD 879 880)
230708C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	KNOCK FELL 28 SEP 1990	(NY 725 321)
230804C0	GLENRUSCO BURN NOT SAMPLED 3 JUL 1990	SNOOT HILL NOT SAMPLED	(NT 126 229)
230941C0	UN-NAMED WATERCOURSE NOT SAMPLED 19 AUG 1990	A' CHROIS (NORTH) NOT SAMPLED	(NN 820 426)
230956C0	ALLT COIRE DUBH-BEAG NOT SAMPLED NOT SAMPLED	BLACK CORRIES 7 NOV 1990	(NN 374 580)
230974C0	ALLT A' BHATHAICH NOT SAMPLED 14 AUG 1990	CRAIG A' BHATHAICH NOT SAMPLED	(NN 670 725)
230978C0	DEAD WATER NOT SAMPLED NOT SAMPLED	SHANK OF DRIESH 27 SEP 1990	(NO 278 720)
230979C0	BURN OF DUSKINTRY NOT SAMPLED NOT SAMPLED	LITTLE HILL OF ADIKINEAR 1 NOV 1990	(NO 429 727)
230990C0	ALLT SQUADAIG NOT SAMPLED 16 AUG 1990	CREAG THARSUINN NOT SAMPLED	(NN 372 880)
230995C0	UN-NAMED WATERCOURSE NOT SAMPLED 4 JUL 1990	COIRE NAM FREUMH NOT SAMPLED	(NO 124 870)
231012C0	ALLT COIRE AN LOCHAIN NOT SAMPLED 12 JUN 1990	CAIRN LOCHAN NOT SAMPLED	(NH 980 028)
231025C0	ALLT MHIC A' BHAIRD NOT SAMPLED 7 JUN 1990	GLENSHIEL LODGE NOT SAMPLED	(NG 929 177)
231034C0	ALLT AN T-SLUICHD MHOIR NOT SAMPLED NOT SAMPLED	MONADH ANT-STUICHD LEITH 8 NOV 1990	(NJ 279 172)
231070C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	BAC AN EICH 24 OCT 1990	(NH 229 477)
240766C0	GARRYHORN BURN NOT SAMPLED 26 AUG 1990	CRAIGHT NOT SAMPLED	(NX 528 930)
240906C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	THE DHU 10 OCT 1990	(NN 379 129)
240920C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	PASS OF BRANDER 1 SEP 1990	(NN 078 276)
240921C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	SUCCOTH LODGE 2 SEP 1990	(NN 222 271)
240937C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	ARACHAN 2 SEP 1990	(NN 224 430)
240938C0	ALLT CAILLICHE NOT SAMPLED NOT SAMPLED	GLEANN CAILLICHE 6 NOV 1990	(NN 376 430)
240955C0	UN-NAMED WATERCOURSE NOT SAMPLED 20 AUG 1990	DEVIL'S STAIRCASE NOT SAMPLED	(NN 224 571)
240972C0	ALLT FEITH THUILL NOT SAMPLED NOT SAMPLED	MEALL GARBH 8 NOV 1990	(NN 379 721)
241029C0	UN-NAMED WATERCOURSE NOT SAMPLED 6 JUN 1990	GARTHBEG NOT SAMPLED	(NH 525 176)
241047C0	UN-NAMED WATERCOURSE NOT SAMPLED 7 JUN 1990	COIRE NAN EACH NOT SAMPLED	(NH 078 327)
241048C0	ALLT RUIGH EOGHAINN NOT SAMPLED 6 JUN 1990	CNOC EOGHAINN NOT SAMPLED	(NH 228 325)
250775C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	WOODHILL 20 SEP 1990	(NY 880 929)
250827C0	UN-NAMED WATERCOURSE NOT SAMPLED 14 JUN 1990	NEWTONLEES NOT SAMPLED	(NT 727 373)
250840C0	UN-NAMED WATERCOURSE NOT SAMPLED 20 JUN 1990	EAST DRUMLOCH NOT SAMPLED	(NS 676 523)
250868C0	BUSKIN BURN NOT SAMPLED 5 JUL 1990	CROSSLAW NOT SAMPLED	(NT 878 677)
250898C0	UN-NAMED WATERCOURSE NOT SAMPLED 27 JUN 1990	GREENEND NOT SAMPLED	(NT 272 973)

250933C0	ALLT AN ACHAIDH FHADA NOT SAMPLED 10 JUL 1990	ACHADH FADA NOT SAMPLED	(NM 621 428)
250944C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	TEUCHAT MUIR 1 OCT 1990	(NO 278 423)
250945C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	MUIRYFAULDS 30 SEP 1990	(NO 429 427)
250982C0	UN-NAMED WATERCOURSE NOT SAMPLED 14 AUG 1990	KINNEFF NOT SAMPLED	(NO 851 751)
251039C0	UN-NAMED WATERCOURSE NOT SAMPLED 18 JUL 1990	EVENTIDE HOME NOT SAMPLED	(NJ 973 181)
251060C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	MILLTOWN OF LEASK 14 SEP 1990	(NK 021 324)
251072C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	TOMICH HOUSE 2 OCT 1990	(NH 530 480)
251077C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	HAUGHS 4 OCT 1990	(NJ 279 479)
251098C0	LONGHILL BURN NOT SAMPLED NOT SAMPLED	LONGHILL 23 OCT 1990	(NJ 273 625)
251157C0	ALLT AIRGH-DHAMH NOT SAMPLED NOT SAMPLED	MEALL A BHUIRICH 11 OCT 1990	(NC 829 371)
260589C0	HOW BROOK NOT SAMPLED 25 JUN 1990	HOWBROOK NOT SAMPLED	(SK 371 979)
260735C0	UN-NAMED WATERCOURSE NOT SAMPLED 10 AUG 1990	UPPER LAIRDMANNOCH NOT SAMPLED	(NX 675 624)
260810C0	UN-NAMED WATERCOURSE NOT SAMPLED 22 AUG 1990	HARBOROUGH PLANTATION NOT SAMPLED	(NU 030 224)
260877C0	UN-NAMED WATERCOURSE NOT SAMPLED 24 JUL 1990	LEDLEIUGH NOT SAMPLED	(NS 521 829)
260883C0	UN-NAMED WATERCOURSE NOT SAMPLED 7 JUN 1990	GOSFORD SANDS NOT SAMPLED	(NT 452 790)
260886C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	UPPER KILCHATTAN 4 SEP 1990	(NR 360 955)
260893C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	GARTMORE HOUSE 9 OCT 1990	(NS 529 979)
260912C0	UN-NAMED WATERCOURSE NOT SAMPLED 26 JUN 1990	DRUMLEY NOT SAMPLED	(NO 271 122)
260928C0	UN-NAMED WATERCOURSE NOT SAMPLED 20 JUN 1990	BALGAY NOT SAMPLED	(NU 271 273)
260929C0	UN-NAMED WATERCOURSE NOT SAMPLED 28 JUN 1990	TAYFIELD NOT SAMPLED	(NO 420 272)
260980C0	UN-NAMED WATERCOURSE NOT SAMPLED 16 AUG 1990	COWIEHILL NOT SAMPLED	(NO 579 720)
261000C0	UN-NAMED WATERCOURSE NOT SAMPLED 5 JUL 1990	MEGRAY NOT SAMPLED	(NO 874 874)
261058C0	RED BURN NOT SAMPLED NOT SAMPLED	FOLLA RULE 2 OCT 1990	(NJ 725 330)
261082C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	BRAEHEAD 21 SEP 1990	(NK 028 479)
270672C0	UN-NAMED WATERCOURSE NOT SAMPLED 5 JUL 1990	U/S HOOD TARN NOT SAMPLED	(SD 571 876)
270761C0	R. PONT NOT SAMPLED NOT SAMPLED	CARTER MOOR 9 SEP 1990	(NZ 178 776)
270826C0	UN-NAMED WATERCOURSE NOT SAMPLED 13 JUN 1990	EARLSTON NOT SAMPLED	(NT 574 380)
270828C0	UN-NAMED WATERCOURSE NOT SAMPLED 27 JUL 1990	ENGLISH STROTHER NOT SAMPLED	(NT 874 380)
270838C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	SOUTH BALGRAY 31 OCT 1990	(NS 371 521)
270839C0	EARN WATER NOT SAMPLED NOT SAMPLED	LOGAN SWELL FARM 29 OCT 1990	(NS 521 523)

270861CO	NORTH CALDER WATER NOT SAMPLED 21 JUN 1990	CALDERCRUIX NOT SAMPLED	(NS 821 675)
270864CO	BURDIEHOUSE BURN NOT SAMPLED 1 JUN 1990	BURDIEHOUSE MAINS NOT SAMPLED	(NT 278 625)
270926CO	UN-NAMED WATERCOURSE NOT SAMPLED 5 JUL 1990	PARKS OF KEILLOUR NOT SAMPLED	(NN 978 270)
271075CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	COULMONY 17 OCT 1990	(NH 978 477)
271080CO	BURN OF GASK NOT SAMPLED NOT SAMPLED	GASK 26 SEP 1990	(NJ 729 470)
271093CO	ABHAINN SGITHEACH NOT SAMPLED NOT SAMPLED	BOG A' BHREACAICH 24 OCT 1990	(NH 529 629)
271099CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	WALKERDALES 23 OCT 1990	(NJ 428 627)
271102CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	PITHACALDER 27 SEP 1990	(NJ 871 630)
280692CO	MIRE SIKE NOT SAMPLED 20 JUL 1990	NEW HALL NOT SAMPLED	(NY 721 171)
280751CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	EWANSTON 9 SEP 1990	(NX 672 775)
280770CO	DALMAKETHAR BURN NOT SAMPLED NOT SAMPLED	BELSHAND KNOWE 24 SEP 1990	(NY 123 923)
280782CO	MARCH BURN NOT SAMPLED 30 AUG 1990	GALL HILL NOT SAMPLED	(NS 377 070)
280800CO	UN-NAMED WATERCOURSE NOT SAMPLED 20 JUL 1990	KNOWE NOT SAMPLED	(NS 521 222)
280819CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	MASON'S HOLM 25 OCT 1990	(NS 521 372)
281092CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	TORRIEGORRIE 3 OCT 1990	(NH 375 630)
281113CO	STRATHRORY RIVER NOT SAMPLED NOT SAMPLED	STRATHRORY 25 OCT 1990	(NH 677 773)
281122CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	GRUINARDS LODGE 18 OCT 1990	(NH 522 926)
281155CO	ALLTAN FEARNA NOT SAMPLED NOT SAMPLED	CNOC BAD NA COILLE 26 OCT 1990	(NC 526 370)
281162CO	FEADAN GHLINN MHOIR NOT SAMPLED NOT SAMPLED	BLAR NAM FAOILEAG 4 SEP 1990	(NB 479 521)
281167CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	CATHAIR DUBH BO GRAIDEACH 18 SEP 1990	(NC 829 522)
290817CO	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	MONTFODE 24 OCT 1990	(NS 226 435)
290853CO	ALLT DRUIM A MHUILINN NOT SAMPLED NOT SAMPLED	CROM DHOIRE 19 SEP 1990	(NR 564 733)
290887CO	GLENGARRISDALE RIVER NOT SAMPLED NOT SAMPLED	GLENGARRISDALE 25 OCT 1990	(NR 645 968)
290935CO	UN-NAMED WATERCOURSE NOT SAMPLED 22 AUG 1990	COELARD NOT SAMPLED	(NM 921 428)
290951CO	ALLT ARD CHARNA NOT SAMPLED 26 JUL 1990	TOM NA H-AIRIGH DUIBHE NOT SAMPLED	(NM 628 579)
290953CO	ALLT NA CRICHE NOT SAMPLED 31 JUL 1990	TORRAN NA MOUNTICH NOT SAMPLED	(NM 923 570)
290970CO	UN-NAMED WATERCOURSE NOT SAMPLED 31 JUL 1990	STRONCHREGGAN NOT SAMPLED	(NN 074 727)
291041CO	UN-NAMED WATERCOURSE NOT SAMPLED 28 AUG 1990	BEINN A TUATH NOT SAMPLED	(NF 867 348)
291044CO	UN-NAMED WATERCOURSE NOT SAMPLED 1 AUG 1990	RUBH A' CHINN MHOIR NOT SAMPLED	(NG 606 327)
291104CO	UN-NAMED WATERCOURSE NOT SAMPLED 22 AUG 1990	CAISTEAL ODAIR NOT SAMPLED	(NF 733 766)

291118C0	UN-NAMED WATERCOURSE NOT SAMPLED 26 JUN 1990	SECOND COAST NOT SAMPLED	(NG 930 903)
300832C0	UISGE NA CRICHE NOT SAMPLED NOT SAMPLED	DRUIM NAN EACH 18 SEP 1990	(NR 321 530)
300915C0	ALLT NA CREICHE NOT SAMPLED 13 JUL 1990	MAOLBUIDHE NOT SAMPLED	(NM 321 244)
300949C0	ALLT NA CAILLICH NOT SAMPLED 12 JUL 1990	PORT NA CAILLICH NOT SAMPLED	(NM 356 538)
300950C0	ALLT NA CRICHE NOT SAMPLED 10 JUL 1990	PENALBANACH NOT SAMPLED	(NM 475 578)
300966C0	UN-NAMED WATERCOURSE NOT SAMPLED 4 AUG 1990	PORT EIGIN-AIG NOT SAMPLED	(NM 471 707)
300983C0	PAPADIL BURN NOT SAMPLED 1 AUG 1990	PAPADIL LODGE NOT SAMPLED	(NM 366 922)
301020C0	UN-NAMED WATERCOURSE NOT SAMPLED 31 AUG 1990	CREAG AN EILEIN NOT SAMPLED	(NF 831 145)
301043C0	ALLT DUBH NOT SAMPLED 23 JUL 1990	CAIPLACH NOT SAMPLED	(NG 474 321)
301063C0	ALLT A GARAI DH NOT SAMPLED 27 JUL 1990	BEINN NAN CORRAFIDHEAG NOT SAMPLED	(NG 179 473)
301064C0	ALLT A CHOIRE NOT SAMPLED 29 JUL 1990	MULLACH BEN SCA NOT SAMPLED	(NG 326 478)
301084C0	UN-NAMED WATERCOURSE NOT SAMPLED 25 AUG 1990	KNOCKINTORRAN NOT SAMPLED	(NF 726 679)
301087C0	ABHAINN GREMISGAIG NOT SAMPLED 25 JUL 1990	CUL A CHAISTEIL DHUIBH NOT SAMPLED	(NG 479 627)
311172C0	UN-NAMED WATERCOURSE NOT SAMPLED 31 AUG 1990	CUNNAL NOT SAMPLED	(NB 513 657)
311181C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	SALT SKERRY 10 OCT 1990	(ND 397 692)
311188C0	WEST BURN OF DENWICK NOT SAMPLED 26 JUL 1990	SCARVA TAING NOT SAMPLED	(HY 575 087)
311190C0	BURN OF TRUMLAND NOT SAMPLED 28 JUL 1990	TRUMLAND HOUSE NOT SAMPLED	(HY 429 276)
311193C0	UN-NAMED WATERCOURSE NOT SAMPLED 1 AUG 1990	CARRICK HOUSE NOT SAMPLED	(HY 568 384)
311202C0	GILLI BURN NOT SAMPLED 29 JUL 1990	PALMIRE NOT SAMPLED	(HU 274 780)
311208C0	BURN OF SOUTHERHOUSE NOT SAMPLED 31 JUL 1990	NESS OF COLLASTER NOT SAMPLED	(HP 576 071)
321125C0	UN-NAMED WATERCOURSE NOT SAMPLED 30 AUG 1990	SIDHEAN MOR NOT SAMPLED	(NB 025 073)
321137C0	UN-NAMED WATERCOURSE NOT SAMPLED 21 AUG 1990	LOCH CUL LAIMHE BIGE NOT SAMPLED	(NB 170 226)
321138C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	LAXAY 1 SEP 1990	(NB 323 220)
321148C0	UN-NAMED WATERCOURSE NOT SAMPLED 25 AUG 1990	AIRD UIG NOT SAMPLED	(NB 050 370)
321150C0	ALLT AIRIGH SGRIDHE NOT SAMPLED 22 AUG 1990	STACASHAL NOT SAMPLED	(NB 329 370)
321163C0	UN-NAMED WATERCOURSE NOT SAMPLED 21 JUN 1990	CNOC AN DAIMH NOT SAMPLED	(NC 227 527)
321166C0	UN-NAMED WATERCOURSE NOT SAMPLED NOT SAMPLED	GARBH-CHNOC NAN EALACHAN 17 SEP 1990	(NC 670 526)
321187C0	UN-NAMED WATERCOURSE NOT SAMPLED 18 JUL 1990	HATSON NOT SAMPLED	(HY 430 122)
321200C0	SAEWATER BURN NOT SAMPLED 19 JUL 1990	SOUTH FILLA RUNNIE NOT SAMPLED	(HU 430 627)
321205C0	REISS BURN NOT SAMPLED 25 JUL 1990	THE LEE NOT SAMPLED	(HU 321 914)
321206C0	UN-NAMED WATERCOURSE NOT SAMPLED 2 AUG 1990	BURRI HILL NOT SAMPLED	(HU 441 913)

APPENDIX 6 A listing of Countryside Survey type samples collected in 1988.

010006F0 Red River		Amalveor Downs	(SW 480 379)
Not sampled	Not sampled	18 Oct 1988	
010194F0 Boarar's Run		Punnett's Farm	(TQ 978 729)
Not sampled	23 Aug 1988	Not sampled	
010208F0 Little Avon River		Pincot's Farm	(ST 727 871)
Not sampled	Not sampled	24 Oct 1988	
010258F0 Un-named watercourse		Gorswen	(SN 521 171)
Not sampled	Not sampled	11 Oct 1988	
010273F0 Un-named watercourse		Upper Blackgrove Farm	(SP 774 179)
Not sampled	25 Aug 1988	Not sampled	
010273I0 Un-named watercourse		Lower Farm	(SP 778 174)
Not sampled	8 Aug 1988	Not sampled	
010324I0 Un-named watercourse		Wormsley	(SO 425 479)
Not sampled	4 Aug 1988	Not sampled	
010355F0 Un-named watercourse		Chawson	(SO 880 624)
Not sampled	30 Aug 1988	Not sampled	
020086I0 Wallington River		Hoe Moor Farm	(SU 622 121)
Not sampled	7 Jul 1988	Not sampled	
030121F0 Un-named watercourse		Newenden	(TQ 829 273)
Not sampled	22 Aug 1988	Not sampled	
030428F0 Broome Beck		Topcroft	(TM 277 928)
Not sampled	23 Aug 1988	Not sampled	
030451F0 Un-named watercourse		Playters	(TF 678 070)
Not sampled	24 Aug 1988	Not sampled	
040205F0 Un-named watercourse		Pensarn Farm	(ST 286 887)
Not sampled	Not sampled	10 Oct 1988	
040423F0 Un-named watercourse		Delph Bridge	(TL 528 928)
Not sampled	24 Aug 1988	Not sampled	
040449F0 North Level Drain		Murrow	(TF 372 070)
Not sampled	24 Aug 1988	Not sampled	
040450F0 Rand's Drain		Pedlar Meadow	(TF 522 075)
Not sampled	24 Aug 1988	Not sampled	
050161F0 River Hart		Hartfordbridge	(SU 772 580)
Not sampled	22 Aug 1988	Not sampled	
050189F0 Un-named watercourse		Putney Vale	(TQ 228 723)
Not sampled	22 Aug 1988	Not sampled	
050203I0 Ogwr Fach		Bryn-Chwith	(SS 975 876)
Not sampled	22 Jul 1988	Not sampled	
050230I0 Molin Court Brook		Melincourt	(SN 821 020)
Not sampled	20 Jul 1988	Not sampled	
050328F0 Un-named watercourse		Lenchwick Coppice	(SP 030 477)
Not sampled	Not sampled	26 Oct 1988	
050377F0 Nant y Gledryd		Pisgah	(SN 680 775)
Not sampled	Not sampled	25 Oct 1988	
060015F0 Un-named watercourse		Porthallow	(SX 227 524)
Not sampled	Not sampled	17 Oct 1988	
060018F0 Shilston Brook		Shilston Bridge	(SX 671 530)
Not sampled	Not sampled	17 Oct 1988	
060047F0 Un-named watercourse		Harris's Wood	(SX 225 979)
Not sampled	Not sampled	19 Oct 1988	
060075F0 Alsa Brook		Tiverton	(SS 973 127)
Not sampled	Not sampled	20 Oct 1988	
060127F0 River Avill		Whit's Wood	(SS 976 430)
Not sampled	Not sampled	21 Oct 1988	
060317F0 Cerdin Fach		Mock	(SN 378 476)
Not sampled	Not sampled	11 Oct 1988	

070038F0	Ottertton Brook	Little Chockenhole Lane	(SY 090 859)
	Not sampled Not sampled	16 Nov 1988	
070487F0	Afon Amwlch	Porth Ysglaig	(SH 228 374)
	Not sampled Not sampled	1 Sep 1988	
080176F0	Rhosog Fach	Maerdy Farm	(ST 226 780)
	Not sampled Not sampled	10 Oct 1988	
080457F0	Un-named watercourse	Cobholm Island	(TG 508 072)
	Not sampled 23 Aug 1988	Not sampled	
080459F0	Un-named watercourse	R.A.E. Llanbedr	(SH 573 270)
	Not sampled Not sampled	14 Nov 1988	
080702I0	Drummullin Burn	Isle of Whithorn	(NX 476 368)
	Not sampled 26 Jul 1988	Not sampled	
090679F0	River Riccal	Oxclose Wood	(SE 623 873)
	Not sampled Not sampled	8 Sep 1988	
100443F0	Rothley Brook	Thornton	(SK 473 071)
	Not sampled Not sampled	26 Oct 1988	
100471I0	Un-named watercourse	Hartshorn Bog	(SK 325 227)
	Not sampled 29 Jun 1988	Not sampled	
100521F0	River Gwenfro	Gwern-y-Gaseg	(SJ 279 527)
	Not sampled Not sampled	2 Sep 1988	
100592F0	Un-named watercourse	Graizelound	(SK 771 976)
	Not sampled Not sampled	27 Oct 1988	
100777F0	Fenrother Burn	Fenrother	(NZ 178 923)
	Not sampled Not sampled	7 Sep 1988	
101216I0	Aske Beck	Aske Hall	(NZ 179 029)
	Not sampled 14 Jul 1988	Not sampled	
110333I0	Un-named watercourse	Pindonend Cottage	(SP 772 473)
	Not sampled 1 Jul 1988	Not sampled	
110336F0	Un-named watercourse	Sutton	(TL 221 474)
	Not sampled 25 Aug 1988	Not sampled	
110475F0	River Witham	North Witham	(SK 929 220)
	Not sampled Not sampled	27 Oct 1988	
110501F0	Mackworth Brook	Markeaton	(SK 329 380)
	Not sampled Not sampled	26 Oct 1988	
110575F0	Un-named watercourse	North Leverton	(SK 777 825)
	Not sampled Not sampled	27 Oct 1988	
120364F0	Gallow Brook	Hollow Farm	(TL 227 621)
	Not sampled 25 Aug 1988	Not sampled	
120393F0	Un-named watercourse	Cockbrook Farm	(TL 079 790)
	Not sampled 25 Aug 1988	Not sampled	
120421F0	Un-named watercourse	Farcet Fen	(TL 221 920)
	Not sampled 25 Aug 1988	Not sampled	
120507F0	Eadyke	Bicker	(TF 227 374)
	Not sampled Not sampled	27 Oct 1988	
120577F0	Un-named watercourse	Wickenby Wood	(TF 076 823)
	Not sampled Not sampled	8 Sep 1988	
130569F0	Un-named watercourse	Deanwater	(SJ 873 825)
	Not sampled Not sampled	2 Sep 1988	
130684F0	Mecklin Beck	Mecklin Wood	(NY 121 027)
	Not sampled 28 Jun 1988	Not sampled	
130699I0	Mounter Beck	Dalehouse	(NZ 777 179)
	Not sampled 15 Jul 1988	Not sampled	
140563F0	Un-named watercourse	Cwbyr	(SJ 019 788)
	Not sampled Not sampled	2 Sep 1988	
140656F0	Un-named watercourse	Sunnyside Farm	(SD 444 798)
	Not sampled 27 Jun 1988	Not sampled	
140713F0	Un-named watercourse	High Tunstall	(NZ 478 323)
	Not sampled Not sampled	7 Sep 1988	
140796F0	Smerby Burn	Low Smerby	(NR 755 226)
	Not sampled Not sampled	17 Sep 1988	

150295F0	Un-named watercourse	The Vallets	(SO 430 329)
	Not sampled	12 Oct 1988	
150432F0	Nant Llwydo	Bwlch Helygen	(SH 829 079)
	Not sampled	31 Aug 1988	
150436F0	Tag's Gutter	Shorthill	(SJ 430 079)
	Not sampled	30 Aug 1988	
150518F0	Afon Irwich	Rhydlanfair	(SH 828 525)
	Not sampled	14 Nov 1988	
150634F0	Mire Beck	Guiseley	(SE 180 426)
	Not sampled	3 Sep 1988	
160610F0	Un-named watercourse	Healing	(TA 221 122)
	Not sampled	8 Sep 1988	
160631I0	Un-named watercourse	Backridge	(SD 724 425)
	Not sampled	19 Jul 1988	
160640F0	Holderness Drain	Tickton	(TA 074 421)
	Not sampled	8 Sep 1988	
160642F0	Un-named watercourse	Trumley Farm	(SD 425 576)
	Not sampled	3 Sep 1988	
160657F0	Bains Beck	Arkholme	(SD 577 720)
	Not sampled	4 Sep 1988	
160657I0	Un-named watercourse	Craven View	(SD 578 726)
	Not sampled	25 Aug 1988	
160732F0	Drumpail Burn	Drumpail	(NX 221 624)
	Not sampled	15 Sep 1988	
170125F0	River Bray	Higher Down	(SS 676 420)
	Not sampled	19 Oct 1988	
170202F0	Nant Cwm Philip	Cwm Philip	(SS 821 875)
	Not sampled	11 Oct 1988	
170286F0	Afon Gwaun	Rhwngyddwyffordd	(SN 075 330)
	Not sampled	11 Oct 1988	
170294F0	Olchon Brook	Blaen	(SO 280 329)
	Not sampled	12 Oct 1988	
170351F0	Un-named watercourse	Evenjobb	(SO 270 629)
	Not sampled	24 Oct 1988	
170463F0	Un-named watercourse	Bwlch-y-Graig	(SJ 122 221)
	Not sampled	1 Sep 1988	
170539F0	Un-named watercourse	Pennant Canol	(SH 827 670)
	Not sampled	14 Nov 1988	
180431F0	Nant-Myniawyd	Nant-Myniawyd	(SH 672 073)
	Not sampled	14 Nov 1988	
180462F0	Nant y Ffinnant	Ceunant Ffinnant	(SH 978 224)
	Not sampled	30 Aug 1988	
180491F0	Afon Annodd-Wen	Craig-y-Hyrodd	(SH 821 374)
	Not sampled	31 Aug 1988	
180617F0	River Calder	Holme Chapel	(SD 879 279)
	Not sampled	3 Sep 1988	
180837I0	Whiteside Burn	Whiteside Hill	(NS 227 522)
	Not sampled	29 Jul 1988	
180890F0	Un-named watercourse	Sidhean Sluaigh (East)	(NS 073 980)
	Not sampled	17 Sep 1988	
190769F0	Windyhill Burn	Gubhill	(NX 971 921)
	Not sampled	14 Sep 1988	
190783F0	Linn Water	Meikle Hill	(NS 522 078)
	Not sampled	15 Sep 1988	
190809I0	Un-named watercourse	Mounthooly	(NT 878 223)
	Not sampled	20 Jul 1988	
190847F0	Foul Burn	Tod Knowes	(NT 721 523)
	Not sampled	3 Oct 1988	
191219I0	Wares Gill	Bloworth Crossing	(NZ 621 020)
	Not sampled	15 Jul 1988	

200602F0 River Colne	Stack End	(SE 029 121)
Not sampled Not sampled	3 Sep 1988	
200673F0 Scotcher Gill	Scotchergill	(SD 720 871)
Not sampled Not sampled	4 Sep 1988	
200723I0 Croglin Beck	Croglin	(NY 576 474)
Not sampled 5 Jul 1988	Not sampled	
200737F0 Drum Burn	Drumburn	(NX 980 621)
Not sampled Not sampled	14 Sep 1988	
200790F0 Wauchope Burn	Dykeheads	(NT 578 078)
Not sampled Not sampled	5 Sep 1988	
200825F0 River Caddon	Newhall	(NT 424 376)
Not sampled 28 Jul 1988	Not sampled	
200843F0 West Water	North Slipperfield	(NT 123 522)
Not sampled Not sampled	2 Oct 1988	
200844F0 Tweedale Burn	Tweedaleburn	(NT 276 525)
Not sampled Not sampled	3 Oct 1988	
210787F0 Craigie Burn	Craigieburn Hill	(NT 122 070)
Not sampled Not sampled	13 Sep 1988	
210820F0 Dykes Burn	Feeshie Rig	(NS 674 379)
Not sampled Not sampled	16 Sep 1988	
211028F0 Allt Bhlaraidh	Levishie Forest	(NH 375 176)
Not sampled Not sampled	22 Sep 1988	
211090F0 Allian Cael a Ghiubhais	Heights of Kinlochewe	(NH 071 629)
Not sampled Not sampled	9 Nov 1988	
211121F0 Glasha Burn	Meallan Ime	(NH 372 930)
Not sampled Not sampled	25 Sep 1988	
211130I0 Allt a' Phollain	Meall Preas A' Chreamha	(NC 222 078)
Not sampled 9 Nov 1988	Not sampled	
211131F0 Allt A Choire Dhuibh	Choire Dhuibh (West)	(NC 370 079)
Not sampled Not sampled	23 Sep 1988	
211131I0 Un-named watercourse	Choire Dhuibh (East)	(NC 373 078)
Not sampled 9 Aug 1988	Not sampled	
220726F0 Catchwater	Cross Rigg	(NZ 027 470)
Not sampled Not sampled	5 Sep 1988	
220791F0 Long Burn	Swinlee Hope	(NT 727 078)
Not sampled Not sampled	6 Sep 1988	
221035F0 Coul Burn	Chapel Hill	(NJ 425 172)
Not sampled Not sampled	27 Sep 1988	
221046F0 Allt na Feithe Buidhe	Carn Na H'Onaich	(NG 923 322)
Not sampled Not sampled	20 Sep 1988	
221057F0 Malsach Burn	Moss of Wardhouse	(NJ 570 320)
Not sampled Not sampled	27 Sep 1988	
230659F0 Darnbrook Beck	Darnbrook Fell	(SD 869 720)
Not sampled Not sampled	4 Sep 1988	
230804F0 Wester Hope Burn	Middle Dod	(NT 120 223)
Not sampled Not sampled	14 Sep 1988	
230941F0 Urlar Burn	A' Chrois (South)	(NN 821 423)
Not sampled Not sampled	29 Sep 1988	
230974I0 Allt a Bhathaich	Meall A' Bhathaich	(NN 671 729)
Not sampled 11 Aug 1988	Not sampled	
230978F0 Dead Water	Shank of Driesh	(NO 278 720)
Not sampled Not sampled	30 Sep 1988	
230979F0 Burn of Duskintry	Little Hill of Donald Young	(NO 430 728)
Not sampled Not sampled	29 Sep 1988	
230995F0 Corriemulzie Burn	Coire Nam Freumh	(NO 122 870)
Not sampled Not sampled	2 Oct 1988	
240766I0 Un-named watercourse	Black Craig	(NX 528 928)
Not sampled 27 Jul 1988	Not sampled	
240920F0 Un-named watercourse	Creag an Pharaidh	(NN 073 271)
Not sampled 18 Aug 1988	Not sampled	

240921F0 River Lochy	Fireach Na Moine	(NN 230 271)
Not sampled 18 Aug 1988	Not sampled	
240937F0 Alltan Arachain	Tom Nan Cuileag	(NN 229 424)
Not sampled Not sampled	18 Sep 1988	
240937I0 Un-named watercourse	Clashgour	(NN 229 426)
Not sampled 23 Aug 1988	Not sampled	
240955F0 Allt na Feithe	D/S Lochan na Feithe	(NN 227 570)
Not sampled Not sampled	19 Sep 1988	
241047F0 Allt Coire Nan Each	D/s Loch Mhoicean	(NH 078 322)
Not sampled Not sampled	10 Nov 1988	
241048F0 Allt Coire Eoghainn	Cnoc Eoghainn	(NH 230 323)
Not sampled Not sampled	21 Sep 1988	
250827F0 Eden Water	Ednam	(NT 727 371)
Not sampled Not sampled	3 Oct 1988	
250840F0 Rotten Burn	East Drumloch	(NS 676 524)
Not sampled Not sampled	16 Sep 1988	
250944F0 Un-named watercourse	Mains of Camno	(NO 276 422)
Not sampled Not sampled	1 Oct 1988	
250945F0 Un-named watercourse	Muirside	(NO 429 427)
Not sampled Not sampled	30 Sep 1988	
251039I0 Un-named watercourse	Blairton Links	(NJ 976 188)
Not sampled 9 Aug 1988	Not sampled	
251060F0 Un-named watercourse	Nether Leask	(NK 021 327)
Not sampled Not sampled	28 Sep 1988	
251072F0 Un-named watercourse	Windhill	(NH 530 479)
Not sampled Not sampled	21 Sep 1988	
260589F0 Mark Brook	Hazelshaw	(SK 324 972)
Not sampled Not sampled	2 Sep 1988	
260877F0 Blane Water	Quinloch	(NS 520 821)
Not sampled Not sampled	16 Sep 1988	
260893I0 Un-named watercourse	Gartmore	(NS 528 978)
Not sampled 2 Aug 1988	Not sampled	
260912F0 Collessie Burn	Kinloch	(NO 279 122)
Not sampled Not sampled	1 Oct 1988	
260929I0 Un-named watercourse	Newport-on Tay	(NO 421 274)
Not sampled 26 Jul 1988	Not sampled	
261000F0 Megray Burn	Hill of Meagray	(NO 874 879)
Not sampled Not sampled	28 Sep 1988	
261082F0 South Ugie Water	Bridgend	(NK 028 478)
Not sampled Not sampled	27 Sep 1988	
270672F0 Un-named watercourse	Hood Ridding	(SD 577 877)
Not sampled Not sampled	4 Sep 1988	
270808I0 Un-named watercourse	Cessford Moor	(NT 726 228)
Not sampled 22 Jul 1988	Not sampled	
270826F0 Un-named watercourse	Earlston	(NT 575 380)
Not sampled Not sampled	3 Oct 1988	
270864I0 Burdiehouse Burn	Burdiehouse Road	(NT 274 674)
Not sampled 27 Jul 1988	Not sampled	
270926F0 Campsie Burn	The Cairnies	(NN 972 277)
Not sampled Not sampled	1 Oct 1988	
271075F0 Un-named watercourse	Coulmony House	(NH 975 478)
Not sampled Not sampled	26 Sep 1988	
271102F0 The Dour	Arnhash	(NJ 875 624)
Not sampled Not sampled	26 Sep 1988	
280751F0 Shirmers Burn	Corse	(NX 677 773)
Not sampled Not sampled	14 Sep 1988	
280770F0 Dalmakethar Burn	Belshand Knowe	(NY 123 923)
Not sampled Not sampled	13 Sep 1988	
280782F0 Kelse Burn	Cloncaird Moor	(NS 372 078)
Not sampled Not sampled	15 Sep 1988	

280800IO Un-named watercourse	Thirdpart Mount	(NS 523 224)
Not sampled 1 Aug 1988	Not sampled	
280819FO Huggin Craig Burn	Newmilns	(NS 528 372)
Not sampled Not sampled	15 Sep 1988	
281122FO Un-named watercourse	Braelangwell	(NH 523 927)
Not sampled Not sampled	11 Nov 1988	
281155FO Alltan Leacach	Barren Ridge	(NC 521 372)
Not sampled Not sampled	23 Sep 1988	
281167FO Uidh bo Graideach	Cathair Dubh bo Graideach	(NC 829 525)
Not sampled Not sampled	24 Sep 1988	
290817FO Montfode Burn	Witch Linn	(NS 227 439)
Not sampled Not sampled	13 Nov 1988	
290935FO Un-named watercourse	Rhugarve	(NM 927 426)
Not sampled Not sampled	19 Sep 1988	
290951IO Un-named watercourse	Rahoy	(NM 625 573)
Not sampled 3 Jul 1988	Not sampled	
291118FO Un-named watercourse	First Coast	(NG 923 910)
Not sampled Not sampled	22 Sep 1988	
300966IO Un-named watercourse	Meall Eigin-Aig	(NM 472 706)
Not sampled 3 Jul 1988	Not sampled	
301064IO Allt a Choire	Ben Aketil	(NG 325 478)
Not sampled 16 Aug 1988	Not sampled	
321166IO Allt nan Ealachan	Borgie Forest	(NC 675 521)
Not sampled 6 Jul 1988	Not sampled	

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