

Project: 242

Note: 392

The Faunal Richness of Headwater Streams: Stage 3 - Impact of Agricultural Activities

Volume 2 Appendices

Institute of Freshwater Ecology

R&D Note 392



NRA

National Rivers Authority

VOLUME 2 - APPENDICES

M.T. Furse	Institute of Freshwater Ecology
K.L. Symes	Institute of Freshwater Ecology
J.M. Winder	Institute of Freshwater Ecology
R.T. Clarke	Institute of Freshwater Ecology
J.H. Blackburn	Institute of Freshwater Ecology
R.J.M. Gunn	Institute of Freshwater Ecology
N.J.Grieve	Institute of Freshwater Ecology
M. Hurley	Institute of Freshwater Ecology

**National Information Centre
The Environment Agency
Rio House
Waterside Drive
Aztec West
BRISTOL
BS12 4UD**

Due for return

Research contractor:
Institute of Freshwater Ecology
River Laboratory
East Stoke
Wareham
Dorset
BH20 6BB

**National Rivers Authority
Rivers House
Waterside Drive
Aztec West
Bristol
BS12 4UD**

[illegible]

R&D Note 392 (Appendices)

Environment Agency
Information Centre
Head Office

Class No AWUK

Accession No. AA 1004

National Rivers Authority
Rivers House
Waterside Drive
Aztec West
Bristol
BS12 4UD
Tel: 01454 624400
Fax: 01454 624409

© National Rivers Authority 1995

All rights reserved. No part of this document may be produced; stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise without the prior permission of the National Rivers Authority.

Statement of Use

The document will be of use to staff who have read Volume 1 (Main Report) and require access to the additional information contained in the appendices.

Dissemination status

Internal: Released to Regions
External:

Research Contractor

This document was produced under R&D Project 242 by:
Institute of Freshwater Ecology
River Laboratory
East Stoke
Wareham
Dorset BH20 6BB
Tel: 01929 462314
Fax: 01929 462180

NRA Project Leader

The NRA's Project Leader for R&D Project 242 was:
Dr E.A. Chalk - Northumbria & Yorkshire Region

The views expressed in this document are not necessarily those of the NRA. Its officers, servants or agents accept no liability for any loss or damage arising from the interpretation or use of the information, or reliance on views contained therein.

R&D Note 392 (Appendices)

INTELLECTUAL PROPERTY RIGHTS

CONFIDENTIALITY STATEMENT

"In accordance with the normal practice of the Institute of Freshwater Ecology, this volume of this report is for the use only of the party to whom it is addressed, and no responsibility is accepted to any third party for the whole or any part of its contents. Neither the whole nor any part of this volume of this report or any reference thereto may be included in any published document, circular or statement, nor published or referred to in any way without the Institute of Freshwater Ecology's written approval of the form and context in which it may appear"

CONTENTS

		Page
Appendix 1	The names, locations and sampling dates of the 131 stage 3 sampling sites	1
Appendix II	Land cover survey procedures	5
Appendix III	River corridor survey procedures	9
Appendix IVa	Full taxon lists for headwater samples from the River Cam system	14
Appendix IVb	Full taxon lists for headwater samples from the River Derwent system	16
Appendix IVc	Full taxon lists for headwater samples from the River Lugg system	22
Appendix IVd	Full taxon lists for headwater samples from the River Stour system	28
Appendix V	Biological quality measures for each stage 3 site based on the BMWP score system	35
Appendix VI	Environmental characteristics of each of the 131 stage 3 sites	39
Appendix VII	Alkalinity ($\text{mg l}^{-1} \text{CaCO}_3$) and nitrate ($\text{mg l}^{-1} \text{NO}_3$) values for the 131 Stage 3 sites	43
Appendix VIII	The distribution of 17 land cover types and unclassified land (ha) in the catchments of all the 131 Stage 3 sites	47
Appendix IX	The distribution of 14 land cover types and unclassified land (ha) in the stream corridors of all the 131 Stage 3 sites. Woodland is formed by merging deciduous and evergreen wood	51
Appendix X	The lengths of single stream banks with buffer zones in six width categories, underground channels or unclassified buffer characteristics	55
Appendix XI	The numbers of occurrences of a range of potential sources of perturbation in the catchments of each of the 131 Stage 3 sites	59
Appendix XII	The numbers of occurrences of a range of potential sources of perturbation in the stream corridors of each of the 131 Stage 3 sites	63

Appendix 1 The names, locations and sampling dates of the 131 stage 3 sampling sites

Cam

River Name	Site Name	NGR	Biological sampling dates	Field survey sampling dates
UN-NAMED WATERCOURSE	HARCAMLOW WAY	TL 359 580	16-Jun-93	23-Jun-93
UN-NAMED WATERCOURSE	NEAR WHADDON	TL 334 472	15-Jun-93	24-Jun-93
UN-NAMED WATERCOURSE	EXNING	TL 622 650	15-Jun-93	20-Jun-93
UN-NAMED WATERCOURSE	CROYDEN	TL 319 490	17-Jun-93	22-Jun-93
UN-NAMED WATERCOURSE	TRINITY CONDUIT	TL 421 606	16-Jun-93	22-Jun-93
UN-NAMED WATERCOURSE	HARLTON	TL 379 527	15-Jun-93	20-Jun-93
UN-NAMED WATERCOURSE	BOWSERS	TL 573 428	15-Jun-93	21-Jun-93
UN-NAMED WATERCOURSE	CHURCH END	TL 572 419	15-Jun-93	21-Jun-93
UN-NAMED WATERCOURSE	LONGSTOWE	TL 305 553	16-Jun-93	23-Jun-93
UN-NAMED WATERCOURSE	EAST HATLEY	TL 290 500	17-Jun-93	24-Jun-93
UN-NAMED WATERCOURSE	REACH	TL 565 651	14-Jun-93	21-Jun-93
UN-NAMED WATERCOURSE	POOR'S FEN	TL 571 694	14-Jun-93	20-Jun-93
UN-NAMED WATERCOURSE	HIGHBRIDGE FARM	TL 552 658	14-Jun-93	21-Jun-93
UN-NAMED WATERCOURSE	GILL'S HILL	TL 331 561	16-Jun-93	20-Jun-93
UN-NAMED WATERCOURSE	NORTH END	TL 293 422	17-Jun-93	23-Jun-93

Derwent

River Name	Site Name	NGR	Biological sampling dates	Field survey sampling dates
MUFFLES DIKE	LOW MUFFLES	SE 768 941	27-Jun-93	2-Jul-93
WHITE MIRES DIKE	WHITE HOUSE	SE 762 962	2-Jul-93	7-Jul-93
OAK RIGG GILL	HIGH DALES	SE 948 934	27-Jun-93	3-Jul-93
UN-NAMED WATERCOURSE	NORTH SIDE	SE 906 929	1-Jul-93	5-Jul-93
GRAIN BECK	BLAKEY TOPPING	SE 876 944	7-Jul-93	8-Jul-93
MIDDLE SIKE	PROD HILLS	SE 518 971	30-Jun-93	5-Jul-93
UN-NAMED WATERCOURSE	HAZEL GREEN	SE 617 918	1-Jul-93	9-Jul-93
LOSKEY BECK	SPAUNTON MOOR	SE 712 941	2-Jul-93	8-Jul-93
UN-NAMED WATERCOURSE	SLAPE WATH MOOR	SE 597 983	1-Jul-93	6-Jul-93
MUCKY HOLE SLACK	FYLINGDALES MOOR	NZ 914 001	6-Jul-93	9-Jul-93
UN-NAMED WATERCOURSE	HAGG HOUSE	SE 585 972	30-Jun-93	7-Jul-93
UN-NAMED WATERCOURSE	HOLE OF HORCAM	SE 846 935	6-Jul-93	9-Jul-93
LOCKER BECK	LOCKER WOOD	SE 508 935	30-Jun-93	5-Jul-93
SHORTSHA BECK	LOWNA	SE 692 913	2-Jul-93	7-Jul-93
UN-NAMED WATERCOURSE	HIGH HORCAM	SE 847 934	6-Jul-93	9-Jul-93
UN-NAMED WATERCOURSE	PLACE NEWTON	SE 888 727	25-Jun-93	4-Jul-93
THE WASHDIKE	LAIRS	SE 865 496	24-Jun-93	30-Jun-93
SUTTERLAND BECK	PEAT RIGG	SE 769 899	29-Jun-93	7-Jul-93
UN-NAMED WATERCOURSE	COULTON	SE 637 746	25-Jun-93	4-Jul-93
UN-NAMED WATERCOURSE	COCK FLAT	NZ 553 000	28-Jun-93	2-Jul-93
BLOODY BECK	EBBERSTON	SE 896 825	25-Jun-93	3-Jul-93
UN-NAMED WATERCOURSE	CROSS HOLME	SE 564 972	28-Jun-93	2-Jul-93
UN-NAMED WATERCOURSE	FOLKTON CARR	TA 048 807	28-Jun-93	4-Jul-93
GUNDALE BECK	SAINTOFT BROW	SE 794 890	29-Jun-93	8-Jul-93
UN-NAMED WATERCOURSE	SPOUT HOUSE	SE 645 996	29-Jun-93	6-Jul-93
UN-NAMED WATERCOURSE	SCAGGLETHORPE	SE 828 736	24-Jun-93	3-Jul-93
UN-NAMED WATERCOURSE	LOW GATERLEY	SE 730 702	5-Jul-93	8-Jul-93
UN-NAMED WATERCOURSE	SNARGATE	SE 605 716	24-Jun-93	4-Jul-93
CHARITY DRAIN	GREAT WEST WOOD	SE 740 425	23-Jun-93	30-Jun-93
UN-NAMED WATERCOURSE	SOMMERFIELD	SE 663 807	25-Jun-93	2-Jul-93
UN-NAMED WATERCOURSE	FANGFOSS GRANGE	SE 753 527	22-Jun-93	30-Jun-93
WINTER BECK	FULL SUTTON	SE 747 559	22-Jun-93	1-Jul-93
UN-NAMED WATERCOURSE	SUTTON WOOD	SE 710 479	22-Jun-93	30-Jun-93
UN-NAMED WATERCOURSE	WARREN HOUSE	SE 761 464	23-Jun-93	1-Jul-93
UN-NAMED WATERCOURSE	THORNTON LE CLAY	SE 686 664	23-Jun-93	3-Jul-93
MILL BECK	ALDMOOR	SE 782 650	24-Jun-93	2-Jul-93
KELD SPRING BECK	WOMBLETON	SE 680 834	25-Jun-93	2-Jul-93
MILLSIKE BECK	MINSTER WAY	SE 725 548	22-Jun-93	1-Jul-93
BLACK DIKE	THORNTON	SE 751 449	23-Jun-93	1-Jul-93

Lugg

River Name	Site Name	NGR	Biological sampling dates	Field survey sampling dates
UN-NAMED WATERCOURSE	WIGMORE ROLLS	SO 396 691	18-Jul-93	29-Jul-93
UN-NAMED WATERCOURSE	RHIW LAWR	SO 210 656	17-Jul-93	18-Jul-93
UN-NAMED WATERCOURSE	CHECKLEY	SO 596 375	23-Jul-93	2-Aug-93
UN-NAMED WATERCOURSE	CWM Y GERWYN	SO 191 669	17-Jul-93	19-Jul-93
UN-NAMED WATERCOURSE	NASH SCAR	SO 301 621	23-Jul-93	1-Aug-93
UN-NAMED WATERCOURSE	GWAUNCESTRE HILL	SO 170 551	16-Jul-93	18-Jul-93
UN-NAMED WATERCOURSE	BLACK HILL	SO 169 519	15-Jul-93	17-Jul-93
UN-NAMED WATERCOURSE	CWMYNACE	SO 203 540	13-Jul-93	17-Jul-93
UN-NAMED WATERCOURSE	MAWN POOLS	SO 169 515	15-Jul-93	17-Jul-93
UN-NAMED WATERCOURSE	BWLCH	SO 193 530	13-Jul-93	16-Jul-93
UN-NAMED WATERCOURSE	BLACK YATT	SO 189 567	16-Jul-93	19-Jul-93
UN-NAMED WATERCOURSE	DREAVOUR FARM	SO 180 522	15-Jul-93	16-Jul-93
UN-NAMED WATERCOURSE	BEILIBEDW MAWN POOL	SO 182 560	16-Jul-93	19-Jul-93
UN-NAMED WATERCOURSE	BIRCHER	SO 479 660	19-Jul-93	20-Jul-93
UN-NAMED WATERCOURSE	CROWTHER'S POOL	SO 217 488	14-Jul-93	16-Jul-93
UN-NAMED WATERCOURSE	MOSELEY COMMON	SO 380 581	18-Jul-93	21-Jul-93
UN-NAMED WATERCOURSE	ELSDON	SO 326 545	18-Jul-93	28-Jul-93
UN-NAMED WATERCOURSE	CRUNGOED	SO 193 717	17-Jul-93	20-Jul-93
UN-NAMED WATERCOURSE	SILURIA	SO 230 584	17-Jul-93	18-Jul-93
UN-NAMED WATERCOURSE	KNAPTON GREEN	SO 447 524	21-Jul-93	22-Jul-93
UN-NAMED WATERCOURSE	WINSLOW GREEN	SO 646 570	22-Jul-93	2-Aug-93
UN-NAMED WATERCOURSE	HOPE UNDER DINMORE	SO 500 527	20-Jul-93	28-Jul-93
UN-NAMED WATERCOURSE	HEGDON HILL	SO 596 537	21-Jul-93	22-Jul-93
UN-NAMED WATERCOURSE	PENTRE-DRAEN	SO 240 518	14-Jul-93	16-Jul-93
UN-NAMED WATERCOURSE	LYNCH COURT	SO 417 581	19-Jul-93	1-Aug-93
UN-NAMED WATERCOURSE	NEWHOUSE	SO 222 552	13-Jul-93	17-Jul-93
SOUR BROOK	HOLME MARSH	SO 352 550	20-Jul-93	2-Aug-93
UN-NAMED WATERCOURSE	NEW RADNOR	SO 211 613	16-Jul-93	18-Jul-93
UN-NAMED WATERCOURSE	LOWER WOODBATCH	SO 386 680	23-Jul-93	28-Jul-93
UN-NAMED WATERCOURSE	LOWER KINSHAM	SO 357 639	18-Jul-93	23-Jul-93
UN-NAMED WATERCOURSE	HAWKHURST	SO 606 545	22-Jul-93	31-Jul-93
UN-NAMED WATERCOURSE	HYATT SARNESFIELD	SO 383 500	19-Jul-93	30-Jul-93
BLUE DITCH	MOUSENATCH	SO 474 604	19-Jul-93	23-Jul-93
UN-NAMED WATERCOURSE	ELMS GREEN	SO 502 568	20-Jul-93	21-Jul-93
UN-NAMED WATERCOURSE	THORNBY COURT	SO 616 600	22-Jul-93	31-Jul-93
UN-NAMED WATERCOURSE	HOPE FARM	SO 656 589	22-Jul-93	29-Jul-93
UN-NAMED WATERCOURSE	MARSH COURT	SO 577 521	20-Jul-93	23-Jul-93
UN-NAMED WATERCOURSE	BUTTHOUSE	SO 435 489	21-Jul-93	30-Jul-93
UN-NAMED WATERCOURSE	LOWER CHADNOR	SO 432 527	23-Jul-93	29-Jul-93

Stour

River Name	Site Name	NGR	Biological sampling dates	Field survey sampling dates
UN-NAMED WATERCOURSE	NOON HILL	SU 109 089	9-Jun-93	16-Jun-93
UN-NAMED WATERCOURSE	WEST KNOYLE	ST 860 318	2-Jun-93	4-Jun-93
UN-NAMED WATERCOURSE	MIDDLEMARSH	ST 668 069	5-Jun-93	7-Jun-93
UN-NAMED WATERCOURSE	CRANBORNE COMMON	SU 106 117	9-Jun-93	16-Jun-93
UN-NAMED WATERCOURSE	COCKROAD WOOD	ST 748 317	1-Jun-93	3-Jun-93
UN-NAMED WATERCOURSE	FERNDOWN	SU 080 018	14-Jun-93	16-Jun-93
UN-NAMED WATERCOURSE	CANNON HILL	SU 048 015	8-Jun-93	17-Jun-93
UN-NAMED WATERCOURSE	HOLT HEATH	SU 064 032	10-Jun-93	16-Jun-93
UN-NAMED WATERCOURSE	MARSH FARM	ST 779 085	7-Jun-93	6-Jun-93
UN-NAMED WATERCOURSE	LYMBURGH'S FARM	ST 809 188	3-Jun-93	6-Jun-93
UN-NAMED WATERCOURSE	BARROW LANE	ST 722 324	1-Jun-93	2-Jun-93
UN-NAMED WATERCOURSE	STOUR ROW	ST 815 210	3-Jun-93	5-Jun-93
UN-NAMED WATERCOURSE	STOUR PROVOST	ST 800 210	3-Jun-93	4-Jun-93
UN-NAMED WATERCOURSE	WEST END	ST 911 032	8-Jun-93	10-Jun-93
UN-NAMED WATERCOURSE	HAMMOND STREET FARM	ST 733 070	5-Jun-93	9-Jun-93
UN-NAMED WATERCOURSE	KNACKERS' HOLE	ST 780 108	7-Jun-93	9-Jun-93
UN-NAMED WATERCOURSE	GOLD HILL	ST 819 135	10-Jun-93	15-Jun-93
UN-NAMED WATERCOURSE	LUGMARSH FARM	ST 860 311	2-Jun-93	4-Jun-93
UN-NAMED WATERCOURSE	MARSH COURT	ST 735 256	1-Jun-93	4-Jun-93
UN-NAMED WATERCOURSE	THORNHILL	ST 735 150	4-Jun-93	6-Jun-93
UN-NAMED WATERCOURSE	BELCHALWELL	ST 790 095	7-Jun-93	9-Jun-93
UN-NAMED WATERCOURSE	HAYS	ST 875 286	3-Jun-93	5-Jun-93
UN-NAMED WATERCOURSE	SHARNHILL GREEN	ST 713 050	5-Jun-93	8-Jun-93
UN-NAMED WATERCOURSE	BEDCHESTER	ST 857 171	3-Jun-93	6-Jun-93
UN-NAMED WATERCOURSE	THE MIDDLES	ST 846 320	2-Jun-93	5-Jun-93
UN-NAMED WATERCOURSE	RIVERS' CORNER	ST 783 130	7-Jun-93	8-Jun-93
UN-NAMED WATERCOURSE	CANNING'S COURT	ST 714 077	5-Jun-93	7-Jun-93
UN-NAMED WATERCOURSE	SHAPWICK	ST 929 022	14-Jun-93	17-Jun-93
UN-NAMED WATERCOURSE	MILL FARM	ST 813 110	8-Jun-93	9-Jun-93
UN-NAMED WATERCOURSE	LITTLE PAMPHILL	ST 996 003	8-Jun-93	10-Jun-93
UN-NAMED WATERCOURSE	WILKIN THROOP	ST 691 234	15-Jun-93	17-Jun-93
UN-NAMED WATERCOURSE	SEDGEHILL	ST 853 278	17-Jun-93	18-Jun-93
UN-NAMED WATERCOURSE	EAST STOUR	ST 810 228	15-Jun-93	17-Jun-93
UN-NAMED WATERCOURSE	CHARNAGE	ST 836 321	2-Jun-93	3-Jun-93
UN-NAMED WATERCOURSE	HOLTWOOD FARM	ST 700 143	4-Jun-93	7-Jun-93
UN-NAMED WATERCOURSE	WITCHAMPTON	ST 984 055	11-Jun-93	15-Jun-93
UN-NAMED WATERCOURSE	WIMBORNE ST. GILES	SU 024 132	9-Jun-93	15-Jun-93
UN-NAMED WATERCOURSE	WHITE KENNELS	ST 930 120	10-Jun-93	15-Jun-93

Appendix II Land cover survey procedures

All data were recorded in prepared Field Assessment Booklets (FAB's).

The name and National Grid Reference of each catchment was recorded on the outside cover of the FAB and a site photograph and sketch of the biological sampling site, each derived from the spring macro-invertebrate sampling trip, were pasted on the inside front cover of the FAB. This information allowed the field surveyors to locate the correct survey area in the field.

The FAB next contained a summary the codes (Table A.1) necessary to record the field survey information directly onto maps in a simple abbreviated form. The features listed and their codes have been largely derived from the procedures developed by the Institute of Terrestrial Ecology (ITE), Merlewood. This code list was followed by a series of forms containing maps (photo-copied under licence from the Ordnance Survey 1:10,000 series) and, in most cases, recording tables for documenting information on land cover.

The first map showed the whole catchment and surrounding countryside and was a further aid to site location. The second map showed the whole catchment again and was used to code the ownership of the land parcels it contained. A table was provided to record full details of the ownership of each parcel.

The next maps in the FAB's were presented on a series of similar forms allowing data to be recorded under four different categories. These were Agriculture/Natural Vegetation, Forestry/Woodland/Trees, Buildings/Communications/Recreation and Perturbations.

The features to be recorded under each category are listed in Table A.1. Thus Agriculture/Natural Vegetation includes a range of vegetation or crop cover types and categories for the specific-use of grassland. Under Forestry/Woodland/Trees a variety of woodland types and shapes are recognized together with shrub and tree types and woodland age. A mixture of features are covered under Buildings/Communications/Recreation involving the nature and use of the buildings and recreational. Finally, the opportunity is presented to record the presence of a variety of potential sources of perturbation to the watercourse under consideration. Most features and feature codes under the category of perturbations were devised by the Institute of Freshwater Ecology.

The derived boundaries of the catchments to be surveyed were clearly marked in red on each map prior to field sampling. Catchment boundaries are defined as the morphological surface watershed or area of land whose surface run-off flows into the watercourse system upstream of the biological sampling point. It is not always easy to define this area from contour lines marked on OS maps and therefore mathematical rules were used to define an area serving as the potential catchment.

The process of catchment definition began by marking a straight line between the biological sampling point and the furthest source of the watercourse as marked on the appropriate 1:10,000 OS map. This primary line was then extended by an equal distance or a distance equivalent to 500 m, whichever was the shorter. Two equidistant lines were then drawn parallel to and either side of the full extended line at distances from it equal to the length of the extension of the primary line.

Table A.1 Land cover survey feature codes

LAND COVER SURVEY. FEATURE CODES

PHYSIOGRAPHY INLAND WATER/COASTAL			RECORD THESE ON THE "PERTURBATIONS" SHEET		
7. PEAT HAGGS 8. CURRENT PEAT WORKINGS 9. OLD PEAT WORKINGS 14. SOIL EROSION 11. GROUND LEVELLING					
AGRICULTURE/NATURAL VEGETATION			BOUNDARIES		
<i>Cover types</i> 101. LOWLAND AGRIC. GRASS 102. UPLAND GRASSLAND 103. MOORLAND - GRASS 104. MOORLAND - SHRUB HEATH 105. CALCAREOUS GRASSLAND 106. MARITIME VEGETATION 107. LOWLAND HEATH 108. AQUATIC MACROPHYTES 109. AQUATIC MARGINAL VEGETATION 110. RAISED BOG 111. BLANKET BOG 112. VALLEY BOG 113. FEN 114. MARSH 115. FLUSH 116. SALT MARSH 117. WHEAT 118. BARLEY			<i>Uses etc.</i> 185. Beef 186. Dairy 187. Breeders 188. Dual purpose 189. Sheep 190. Goats 191. Horses 192. Pigs 193. Silage 194. Hay 195. Deer 196. Grouse 197. No apparent use 185/186. Cattle. Mixed use 185/186/7 Cattle. Use unknown		
119. OATS 120. SUGAR BEET 121. TURNIPS/SWEDES/ROOTS 122. KALE 123. POTATOES 124. FIELD BEANS 125. PEAS 126. MAIZE 127. RYE 128. OILSEED RAPE 129. OTHER CROP 130. FLOWERS 131. COMMERCIAL HORTICULTURE 132. ORCHARD 133. UNMANAGED GRASS 134. TALL HERB VEGETATION 136. LEY 137. UNIMPROVED GRASS			141. NEGLECTED 142. ABANDONED 143. PLOUGHED 144. BURNED 145. MOWN 146. INLAND WATER		
FORESTRY/WOODLAND/TREES					
<i>Cover types</i> 202. SCATTERED TREES 203. LINE OF TREES 204. BELT OF TREES 205. CLUMP OF TREES 206. WOODLAND/FOREST 207. INDIVIDUAL SCRUB SP. 208. SCATTERED SCRUB 209. LINE OF SCRUB 210. PATCH OF SCRUB			<i>Species (if >25%)</i> 235. Bramble 239. Gorse 249. Monoculture/single species broadleaf 250. Mixed broadleaf 251. Mixed conifer 253. Monoculture/single species conifer 254. Mixed broadleaf/conifer		
<i>Use</i> 215. Closed canopy 216. Canopies not touching 218. Parkland			<i>Age</i> 261. 1-4 yrs 262. 5-20 yrs 263. >20 yrs 264. >100 yrs		
BUILDINGS/STRUCTURES/ COMMUNICATIONS			RECREATION		
<i>Cover types</i> 401. BUILDING ± GARDEN TREES <400 m ² 402. BUILDING WITH GARDEN TREES ≥400 m ² , CANOPY ≥25% 404. PUBLIC OPEN SPACE 405. AMENITY GRASS <1HA 406. ALLOTMENTS 407. CAR PARK 408. GLASSHOUSE 409. GARDEN CENTRE/NURSERY 410. EMBANKMENT 411. OTHER LAND			<i>Designated</i> 501. School playing fields 502. Other playing fields 503. Golf course 504. Race track 505. Tennis courts 506. Bosting area 507. Static caravans(n) 508. Touring caravans park 509. Camp site 510. Launch site 511. Other designated area		
<i>Description</i> 441. New 442. Vacant 443. Derelict			<i>Non-designated</i> 521. Horticulture 522. Angling 523. Boat - inland water 524. Other		
<i>Use</i> 423. Industrial 428. Agricultural 429. Sporting/recreational 430. Buildings - other					
PERTURBATIONS 607. SILAGE BAGS 608. SILAGE CLAMP 609. SLURRY LAGOON 612. MANURE HEAP 603. DAIRY YARD/MILKING PARLOUR 604. SHEEP DIP 605. EROSION GULLY 606. IRRIGATION/ABSTRACTION			610. SLURRY SPREADING 611. AERIAL SPRAYING 612. BANKSIDE HERBICIDE APPLICATION 613. CROP SPRAYING (OTHER THAN AERIAL) 614. ARTIFICIAL FERTILISATION 615. ORGANIC FERTILISATION 616. IRRIGATION 618. HERBICIDE		
621. FUNGICIDE 622. INSECTICIDE 634. SEWAGE TREATMENT WORKS 631. SEPTIC TANK 632. FARM CHEMICAL STORES 633. FUEL STORE 634. WASTE CHEMICAL DISPOSAL SITE 635. REFUSE TIP 636. HIGHWAY RUN-OFF			648. HEAVY INDUSTRIAL ESTABLISHMENT 641. LIGHT INDUSTRIAL ESTABLISHMENT 642. QUARRY/MINE 643. GRAVEL PIT 648. FISH FARM (FISH) 651. FISH FARM (SHELLFISH) 652. CRESS BED 648. OTHER POTENTIAL SOURCES		
			UNIVERSAL CODES 888. New to map 999. No longer on map		

The same procedure was then used for each of the tributaries and sub-tributaries of the watercourse upstream of the sampling point, creating a series of interlinking and partially over-lapping rectangles. For each tributary the primary line ran from its confluence to its furthest source and was extended using the criterion given above.

Once this procedure had been completed for all relevant channels in the catchment, the smallest polygon was drawn which enclosed all parts of all of the overlapping rectangles. This was considered the primary catchment and could not be enlarged or extended. However this catchment could be reduced if areas within it were clearly shown, from map features, to lie outside the true physical watershed boundary. The part of the primary catchment identified as lying outside the watershed was excluded from the marked catchment by a free-hand red line drawn, within the mathematically determined boundary, along the line of the physical boundary shown on the OS map.

Field surveys were carried out by a pair of surveyors working together within a catchment. The first action in each catchment was to attempt to locate the landowners to confirm permission to sample following, in most cases, the initial contacts already established by the NRA or the biological sampling team in spring.

Field surveyors then visited all parts of the marked catchment recording the presence of the features indicated on their code sheets (Table A.1). The recording system used was a modification of the recording system devised by the Institute of Terrestrial Ecology (ITE) at Merlewood for use in their "Countryside Surveys" of Great Britain. A field booklet detailing the full survey procedures used during the Countryside Survey 1990 is available on request from ITE, Merlewood.

Each parcel of land, boundary, building or other linear or point feature was clearly allocated a single upper case letter on the appropriate map in the FAB. That letter was then entered in the table below the map and one or more codes from Table A.1 placed after it to signify the nature of the feature indicated by that letter. For example, on the Agriculture/Natural Vegetation sheet a parcel of land (eg field) could be marked with the letter "A". Beneath the map the letter "A" would then be entered in a cell of the recording table followed, say, by the numbers 101, 191. This would mean that the field was lowland agricultural grass (101) currently being used for horses (191). All such parcels on that sheet would be marked with an "A" if their numeric code combinations were identical.

The first number following each code letter on each map must be a primary code, which are the features shown upper case bold in Table A.1. These primary codes may or may not be followed by one or more qualifying secondary codes, shown in lower case, unemboldened, in Table A.1. In exceptional cases, where the primary use of a field, say, is unclear, two primary codes may be used against a single code letter. However such practice was discouraged, except where inevitable.

Full details of the procedures were detailed in a field handbook (Furse 1993) provided to the surveyors. Immediately prior to surveying all personnel involved took part in a two week training course in order to become familiar with the methodologies and to standardize their interpretation and use of cover codes and other terms.

Appendix III River corridor survey procedures

All data were recorded on standard forms which were included at the back of the FAB's used for the land cover survey (Appendix II). The first form was for providing a simple schematic drawing of the channel system upstream of the biological sampling point. On this form all watercourses were required to be marked with a single letter (eg A for the main channel, B for the first tributary and C for any tributary of B etc.). Watercourses longer than 500 m were sub-divided into sequential alpha-numeric reaches (eg A1, A2 etc for the main channel and B1, B2 etc for the first tributary). All channel and reach codings started from the biological sampling site and followed sequentially in an upstream direction.

The following, double sided form (Figure A.1) was for recording data for a single alpha-numeric reach.

The first side of the form was for an annotated sketch of the section of stream being surveyed. Two types of information were recorded alongside each bank of the sketched reach, adjacent land cover and bank (=buffer zone) width. The land cover was that which occurred at 20m from the water's edge. Cover was defined by a maximum of two of the feature codes given in Table A1, at least one of which was a primary code.

The bank or buffer zone width was defined as that width of land between the water's edge and the first unbroken boundary, e.g. solid hedge or wall, or to the first urban, industrial or managed agricultural land cover, whichever was the sooner. Widths were divided into six categories for ease of recording; <1m, <2.5m, <5m, <25m and ≥ 25 m.

The extent of each category of cover or buffer zone width was indicated by double-headed arrows drawn along the sketched reach and to the same approximate scale. Each arrow was annotated with its cover or buffer width category and by the length of stream, in metres, bordered by that category. Several consecutive arrows might be drawn along a given bank as the category of, say, land cover changed.

On the same sketch the location of potential sources of pollution within a 20m corridor either side of or within the stream, were also marked. Point sources, such as manure heaps, were marked with a single letter. Linear perturbations, such as culverting or livestock poaching, were indicated by an arrow annotated with a code letter for the nature of perturbation and with the continuous length, in metres, of that perturbation. Standard perturbation code letters were used.

The reverse side of the same form (Figure A.1) was for entering numeric values of other recorded features. These features were based on those used by the Nature Conservancy Council (NCC 1984). In some cases separate information was required for both banks of the channel and in others a single value for the reach was all that was necessary.

Each reverse side of the form was marked with the biological site name, the reach number, length and the date of survey and the surveyor's name. Most of the features were recorded as the percentage of the bank or reach length at which they occurred. Other point features, such as bridges were recorded as their number of occurrences.

The final form was a free-format sheet (Figure A.2) on which the surveyors were able to record any other features of the site which appeared to be relevant. The items which they were encouraged to record were listed at the head of the sheet (Figure A.2). Space was also provided to record the presence of the dominant, (most abundant), aquatic macrophytes.

RIVER CORRIDOR SKETCH

SITE NAME
SURVEYOR(S)
DATE
CHANNEL CODE
REACH CODE

Figure A.1 The river corridor survey data recording form (double-sided)

THE FAUNAL RICHNESS OF HEADWATER STREAMS

SITE NAME

CHANNEL CODE

REACH LENGTH (maximum = 500m)

SURVEYOR(S)

RIVER CORRIDOR SURVEY

NGR

REACH CODE

DATE

	LEFT BANK	RIGHT BANK		RIVER
BANK FEATURES			RIVER HABITATS	
└ Shelf %			Vehicular bridges No.	
▲▲ Solid earth cliff %			Footbridges No.	
▲▲ Soft earth cliff %			Dam No.	
Rock cliff %			Weirs No.	
□ Artificial %			Locks No.	
└ Flood bank adj %			Inlets No.	
└ Levee set back %			Islands No.	
Height <1m %			Depth <10cm %	
1-<2m %			10-<25cm %	
>2m %			25-50cm %	
Width <1m %			>50cm %	
1-<2.5m %			Width <50cm %	
2.5-<5m %			50cm-<1m %	
>5m %			1-2.5m %	
Slope <30 deg. %			>2.5m %	
30-<60 deg. %			Substrates	
60-90 deg. %			Bedrock %	
>90 deg. %			Boulders/cobbles %	
BANK VEGETATION			Pebbles/gravel %	
▲▲ Conifers (mature) %			Sand %	
↑↑ Conifers (recent) %			Silt/mud %	
☉☉ Broadleaf (mature) %			Clay %	
☉☉ Broadleaf (recent) %			Peat %	
Thick scrub/shrubs %			Habitats and flow	
Sparse scrub/shrubs %			Pool %	
## Reed/sedge %			Slack %	
∞ Dense open %			Riffle %	
∞ Sparse open %			Run %	
≈≈ Reseeded or mown %			Waterfall %	
≡ Exposed tree roots %			Protruding rocks %	
+++ Bare mud/clay %			Exposed stream bed	
∴ Bare sand/shingle %			Stones/rocks %	
○○ Bare stones/rocks %			Sand %	
PERTURBATIONS			Silt/mud %	
D Dredged			SHADING	
R Re-aligned			None/little %	
C Culverted			Moderate %	
P Input pipe			Heavy %	
A Agricultural drain			PLANT COVER	
M Mine drain			Bryophytes %	
G Erosion gully			Emergents %	
B Livestock drinking bay			Submerged %	
F Ford			Floating %	
L Large instream litter			Filamentous algae %	
Use text to indicate the position of any other in-stream, riparian or effluent influence (see next page)				

THE FAUNAL RICHNESS OF HEADWATER STREAMS

RIVER CORRIDOR SURVEY

**SITE NAME
SURVEYOR(S)**

**NGR
DATE**

NOTES AND OBSERVATIONS

Use this page to make notes on any other apparent pollution influence on the watercourses surveyed. Give your opinion of the severity of the impact and give the alphanumeric codes of the reaches affected. Where possible give any other details of the influence, e.g. nature of smell, colour of discoloration.

Factors could include presence of sewage fungus, water smelling, diatom growth (on plants and or stones), water discoloured (give views on cause), evidence of recent flooding, dead fish, excessive depth of silt, methane gas emitted from substrate or substrate blackened, ochre on stones and vegetation, oily water surface (give views on whether natural/microbial or due to fuel spillage), surface foam (give views on cause if possible) etc.

Where impact is confined to a limited section of a stream indicate the affected area with text on the appropriate corridor map.

Dominant aquatic macrophytes. Give species or genera of the most abundant submerged, emergent and floating macrophytes in the surveyed stream network as a whole (no more than ten taxa).

Figure A.2 River corridor survey notes and observation form

Appendix IV a - d

Full taxon lists for headwater samples from the four river systems.

Appendix IVa

Full taxon lists for headwater samples 1-8 from the River Cam system. + = taxon present in the sample. 0 = taxon absent from the sample.

SITE	WATERCOURSE NAME	SITE NAME
1	UN-NAMED WATERCOURSE	BARCAMLLOW WAY
2	UN-NAMED WATERCOURSE	NEAR WHADDON
3	UN-NAMED WATERCOURSE	EXNING
4	UN-NAMED WATERCOURSE	CROYDEN
5	UN-NAMED WATERCOURSE	TRINITY CONDUIT
6	UN-NAMED WATERCOURSE	HARLTON
7	UN-NAMED WATERCOURSE	BOWSERS
8	UN-NAMED WATERCOURSE	CHURCH END

TAXON NAME	SITE							
	1	2	3	4	5	6	7	8
Polycelis nigra group	0	0	0	0	0	0	+	0
Dendrocoelum lacteum	0	+	0	0	0	0	0	0
Potamopyrgus jenkinsi	0	0	0	+	0	+	+	+
Lymnaea sp.	0	0	0	0	0	+	0	0
Lymnaea truncatula	+	0	0	0	0	0	+	0
Lymnaea palustris	0	0	+	0	0	0	0	0
Lymnaea peregra	0	+	0	0	+	0	+	0
Anisus vortex	0	+	0	0	0	0	0	0
Gyraulus albus	0	0	0	0	+	0	0	0
Bathyomphalus contortus	0	+	0	0	0	0	0	0
Pisidium personatum	0	0	0	+	0	+	+	0
Pisidium milium	0	0	0	0	+	0	0	0
Pisidium subtruncatum	0	0	0	+	+	0	0	0
Pisidium nitidum	0	0	0	0	+	0	0	0
Oligochaeta	+	+	+	+	+	+	+	+
Glossiphonia complanata	0	0	0	+	+	0	0	0
Erpobdella octoculata	0	0	0	0	+	0	0	0
Dina lineata	0	0	0	0	0	0	+	0
Trocheta subviridis	0	0	0	+	0	+	0	0
Hydracarina	0	0	0	0	+	+	0	0
Asellus aquaticus	0	+	0	0	+	+	0	0
Crangonyx pseudogracilis	0	0	+	0	0	0	0	0
Gammarus pulex	0	0	0	+	+	+	+	+
Baetis rhodani	0	0	0	0	0	0	0	+
Ischnura elegans	0	0	0	0	+	0	0	0
Libellulidae	0	0	0	0	+	0	0	0
Velia sp.	0	0	0	0	0	0	0	+
Haliphus sp.	0	0	0	0	+	0	0	0
Hydroporus palustris	0	+	0	0	0	0	0	0
Agabus sp.	0	0	+	0	+	0	0	0
Agabus guttatus	0	0	0	0	0	+	+	0
Agabus chalconatus	+	0	0	0	0	0	0	0
Agabus bipustulatus	0	+	0	0	0	0	0	0
Ilybius fuliginosus	0	0	0	0	+	0	+	0
Helophorus brevipalpis	0	0	0	0	+	0	0	0
Anacaena globulus	+	0	0	0	0	0	0	0
Elodes sp.	0	0	0	+	0	0	0	+
Cyphon sp.	+	0	0	0	0	0	0	0
Elmis aenea	0	0	0	+	0	0	0	0
Sialis lutaria	0	0	0	0	+	0	0	0
Plectrocnemia conspersa	0	0	0	+	0	0	0	+
Limnephilus lunatus group	0	+	0	+	0	+	0	0
Micropterna sequax	0	0	0	+	0	0	0	0
Non-gilled Pyralidae	0	0	0	0	0	0	+	0
Nephrotoma crocata	+	0	0	0	0	0	0	0
Tipula sp.	0	0	0	0	0	0	+	0
Tipula montium group	0	0	0	0	0	0	+	0
Limnophila (Eloeophila) sp.	0	0	0	+	0	0	0	0
Pericoma canescens	0	0	0	+	0	+	0	0
Pericoma cognata	0	0	0	0	0	+	0	0
Pericoma fuliginosa	0	0	0	+	0	0	0	0
Pericoma trivialis group	0	0	0	+	0	0	+	0
Ptychoptera sp.	0	0	0	+	0	0	0	0
Dixa maculata complex	0	0	0	+	0	0	0	+
Ceratopogonidae	0	0	0	+	+	0	0	0
Chironomidae	+	+	+	+	+	+	+	+
Simulium (Nevermannia) angustitarse group	0	0	0	0	0	+	0	0
Atalanta group	0	0	+	0	0	0	0	0
Syrphidae	+	0	0	0	+	0	0	0

Appendix IVa

Full taxon lists for headwater samples 9-15 from the River Cam system. + = taxon present in the sample. 0 = taxon absent from the sample.

SITE	WATERCOURSE NAME	SITE NAME
9	UN-NAMED WATERCOURSE	LONGSTOWE
10	UN-NAMED WATERCOURSE	EAST HATLEY
11	UN-NAMED WATERCOURSE	REACH
12	UN-NAMED WATERCOURSE	POOR'S FEN
13	UN-NAMED WATERCOURSE	HIGHBRIDGE FARM
14	UN-NAMED WATERCOURSE	GILL'S HILL
15	UN-NAMED WATERCOURSE	NORTH END

TAXON NAME	SITE						
	9	10	11	12	13	14	15
<i>Polycelis nigra</i> group	0	0	+	0	+	0	0
<i>Dugesia polychroa</i> group	0	0	0	0	+	0	+
<i>Dendrocoelum lacteum</i>	0	0	+	0	0	0	0
<i>Potamopyrgus jenkinsi</i>	+	0	0	0	0	0	0
<i>Bithynia tentaculata</i>	0	0	0	0	+	0	0
<i>Lymnaea truncatula</i>	+	0	0	0	0	0	0
<i>Lymnaea peregra</i>	0	+	+	+	+	0	+
<i>Aplexa hypnorum</i>	+	0	0	0	0	0	0
<i>Physa fontinalis</i>	0	0	0	0	+	0	0
<i>Planorbis</i> sp.	0	0	+	0	0	0	0
<i>Planorbis carinatus</i>	0	0	0	0	+	0	0
<i>Anisus vortex</i>	0	0	+	0	0	0	0
<i>Anisus leucostoma</i>	0	0	0	+	+	0	+
<i>Bathymphalus contortus</i>	0	0	+	0	0	0	0
<i>Pisidium casertanum</i>	0	+	0	0	0	+	0
<i>Pisidium personatum</i>	+	+	0	0	0	+	+
<i>Pisidium milium</i>	0	0	0	0	+	0	0
<i>Oligochaeta</i>	+	+	+	0	+	+	+
<i>Glossiphonia complanata</i>	0	+	0	0	+	0	0
<i>Helobdella stagnalis</i>	0	0	+	0	0	0	0
<i>Erpobdella octoculata</i>	0	0	+	0	+	0	0
<i>Hydracarina</i>	0	0	0	0	0	0	+
<i>Asellus aquaticus</i>	+	0	+	0	+	0	+
<i>Asellus meridianus</i>	0	0	0	0	+	0	0
<i>Crangonyx pseudogracilis</i>	0	0	+	0	+	0	0
<i>Gammarus pulex</i>	0	0	0	0	+	0	0
<i>Sympetrum-striolatum</i>	0	0	0	0	+	0	0
<i>Notonecta</i> sp.	0	0	0	0	+	0	0
<i>Graptodytes pictus</i>	0	0	0	0	+	0	0
<i>Hydroporus palustris</i>	0	0	0	0	+	0	0
<i>Agabus guttatus</i>	+	+	0	0	0	0	0
<i>Agabus paludosus</i>	0	0	+	0	0	0	0
<i>Agabus didymus</i>	0	0	+	0	+	0	0
<i>Rhantus</i> sp.	0	0	0	+	0	0	0
<i>Dytiscus</i> sp.	0	0	0	0	+	0	0
<i>Hydrobius fuscipes</i>	0	0	+	0	0	0	0
<i>Anacaena globulus</i>	+	+	0	0	0	0	+
<i>Laccobius minutus</i>	0	0	0	0	+	0	0
<i>Laccobius bipunctatus</i>	0	0	+	0	0	0	0
<i>Sialis lutaria</i>	0	0	+	0	0	0	0
<i>Limnophilus lunatus</i> group	+	0	+	0	+	0	+
<i>Nephrotoma analis</i>	+	0	0	0	0	0	0
<i>Tipula montium</i> group	0	+	0	0	0	0	0
<i>Limnophila</i> (<i>Brachylimnophila</i>) sp.	0	+	0	0	0	0	0
<i>Pericoma canescens</i>	+	0	0	0	0	0	0
<i>Pericoma trivialis</i> group	+	+	0	0	0	0	0
<i>Ceratopogonidae</i>	0	+	0	0	0	0	0
<i>Chironomidae</i>	+	+	+	+	+	+	+
<i>Syrphidae</i>	0	0	0	+	0	0	0
<i>Sciomyzidae</i>	0	0	0	+	+	0	0

Appendix IVb

Full taxon lists for headwater samples 1-13 from the River Derwent system. + = taxon present in the sample. 0 = taxon absent from the sample.

SITE	WATERCOURSE NAME	SITE NAME
1	MUFFLES DIKE	LOW MUFFLES
2	WHITE MIRES DIKE	WHITE HOUSE
3	OAK RIGG GILL	HIGH DALES
4	UN-NAMED WATERCOURSE	NORTH SIDE
5	GRAIN BECK	BLAKEY TOPPING
6	MIDDLE SIKE	PROD HILLS
7	UN-NAMED WATERCOURSE	HAZEL GREEN
8	LOSKEY BECK	SPAUNTON MOOR
9	UN-NAMED WATERCOURSE	SLAPE WATH MOOR
10	MUCKY HOLE SLACK	FYLINGDALES MOOR
11	UN-NAMED WATERCOURSE	HAGG HOUSE
12	UN-NAMED WATERCOURSE	HOLE OF HORCAM
13	LOCKER BECK	LOCKER WOOD

TAXON NAME	SITE												
	1	2	3	4	5	6	7	8	9	10	11	12	13
<i>Polycelis felina</i>	0	0	+	0	0	0	0	0	0	0	0	0	0
<i>Crenobia alpina</i>	0	0	+	0	0	0	0	0	0	0	0	+	0
<i>Potamopyrgus jenkinsi</i>	0	0	0	0	0	0	0	0	0	0	0	+	0
<i>Zonitoides nitidus</i>	0	+	0	0	0	0	0	0	0	0	0	0	0
<i>Pisidium</i> sp.	0	0	+	0	0	0	0	0	0	0	+	+	0
<i>Pisidium casertanum</i>	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Oligochaeta</i>	0	+	0	+	+	+	0	+	+	+	+	+	+
<i>Hydracarina</i>	0	0	+	0	0	0	0	0	0	0	0	0	0
<i>Gammarus pulex</i>	0	0	+	0	0	0	0	0	0	0	0	+	+
<i>Siphonurus lacustris</i>	0	0	0	0	0	0	0	0	0	+	0	0	0
<i>Baetis scambus</i> group	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Baetis vernus</i>	0	0	0	0	0	0	0	0	0	0	+	0	0
<i>Baetis rhodani</i>	0	0	+	0	0	0	0	0	0	0	0	+	+
<i>Baetis muticus</i>	0	0	+	0	0	0	0	0	0	0	0	0	+
<i>Rhithrogena semicolorata</i> group	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Heptagenia lateralis</i>	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Ephemerella ignita</i>	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Ephemerella danica</i>	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Protonemura montana</i>	0	0	+	0	0	0	0	0	0	0	0	0	0
<i>Nemurella picteti</i>	+	0	0	0	0	+	0	0	0	0	+	+	0
<i>Nemoura cinerea</i>	+	+	0	+	+	+	0	+	+	0	0	0	0
<i>Leuctra fusca</i>	+	0	+	+	0	0	0	0	0	0	0	+	0
<i>Pyrrhosoma nymphula</i>	0	0	0	0	0	0	+	0	0	0	0	0	0
<i>Velia</i> sp.	0	0	0	0	+	0	0	0	+	0	0	0	0
<i>Velia caprai</i>	+	+	0	+	0	+	0	0	0	0	+	+	0
<i>Gerris</i> (<i>Gerris</i>) <i>costai</i>	0	0	0	0	0	0	+	+	0	0	0	0	0
<i>Oreodytes sanmarkii</i>	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Agabus</i> sp.	0	0	0	0	0	0	+	0	0	0	0	0	0
<i>Agabus guttatus</i>	+	+	0	0	0	+	0	0	+	0	0	0	0
<i>Agabus bipustulatus</i>	0	0	0	0	0	0	0	0	0	0	0	+	0
<i>Helophorus</i> sp.	0	0	0	+	0	0	0	0	0	0	0	0	0
<i>Helophorus brevipalpis</i>	0	0	0	+	0	0	+	0	0	0	0	+	0
<i>Helophorus flavipes</i>	0	+	0	0	0	0	+	0	0	0	0	0	0
<i>Anacaena globulus</i>	0	0	0	0	0	0	0	0	0	0	+	0	0
<i>Elodes</i> sp.	0	0	+	0	0	0	0	0	0	0	+	+	0
<i>Elmis aenea</i>	0	0	+	0	0	0	0	0	0	0	0	+	+
<i>Esolus parallelepipedus</i>	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Limnius volckmari</i>	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Sialis fuliginosa</i>	0	0	0	+	+	0	0	+	0	0	0	0	0
<i>Rhyacophila dorsalis</i>	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Rhyacophila obliterata</i>	0	0	0	0	0	0	0	0	0	0	+	0	0
<i>Agapetus</i> sp.	0	0	+	0	0	0	0	0	0	0	0	0	+
<i>Philopotamus montanus</i>	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Wormaldia</i> sp.	0	0	+	0	0	0	0	0	0	0	+	0	0
<i>Plectrocnemia conspersa</i>	+	+	+	+	0	+	+	+	+	+	+	0	0
<i>Hydropsyche instabilis</i>	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Diplectrona felix</i>	0	0	+	0	0	0	0	0	0	0	0	0	0
<i>Potamophylax cingulatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Micropterna sequax</i>	0	0	+	0	0	0	0	0	0	0	0	0	0
<i>Chaetopteryx villosa</i>	0	+	0	+	0	0	0	0	0	0	+	+	+
<i>Beraea maurus</i>	0	0	+	0	0	0	0	0	0	0	+	+	0
<i>Odontocerum albicorne</i>	0	0	0	0	0	0	0	0	0	0	0	0	+

TAXON NAME	SITE												
	1	2	3	4	5	6	7	8	9	10	11	12	13
<i>Crunoecia irrorata</i>	0	0	+	0	0	0	0	0	0	0	+	0	0
<i>Tipula</i> sp.	+	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tipula montium</i> group	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Pedicia</i> (<i>Pedicia</i>) group	0	0	+	0	0	0	0	0	0	0	0	0	0
<i>Dicranota</i> sp.	0	0	+	0	0	0	0	0	0	+	0	+	+
<i>Limnophila</i> (<i>Eloeophila</i>) sp.	+	0	0	+	0	+	0	0	+	0	+	+	0
<i>Pilaria</i> (<i>Neolimnomyia</i>) sp.	0	0	0	0	0	0	0	0	0	0	0	+	0
<i>Molophilus</i> sp.	0	0	+	0	0	0	0	0	0	0	0	0	0
<i>Pericoma</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Dixa puberula</i>	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Thaumalea</i> sp.	0	0	+	0	0	0	0	0	0	0	0	0	0
<i>Ceratopogonidae</i>	0	0	0	0	0	0	0	0	0	0	0	+	0
<i>Chironomidae</i>	+	+	+	+	0	+	+	+	+	+	+	+	+
<i>Simuliidae</i>	0	0	0	0	0	0	0	0	0	+	0	0	0
<i>Simulium</i> (<i>Nevermannia</i>) <i>cryophilum</i> group	0	0	0	0	0	+	0	0	0	0	0	+	+
<i>Simulium</i> (<i>Nevermannia</i>) <i>costatum</i>	0	0	+	0	0	0	0	0	0	0	0	+	0
<i>Simulium</i> (<i>Simulium</i>) <i>argyreatum</i> group	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Simulium</i> (<i>Simulium</i>) <i>ornatum</i> group	+	0	0	0	0	0	0	0	0	0	0	0	+
<i>Chelifera</i> group	0	0	0	0	0	0	0	0	0	0	0	+	0
<i>Eristalis</i> sp.	0	0	0	+	0	0	0	0	0	0	0	0	0

Appendix IVb

Full taxon lists for headwater samples 14-26 from the River Derwent system. + = taxon present in the sample. 0 = taxon absent from the sample.

SITE	WATERCOURSE NAME	SITE NAME
14	SHORTSHA BECK	LOWNA
15	UN-NAMED WATERCOURSE	HIGH HORCAM
16	UN-NAMED WATERCOURSE	PLACE NEWTON
17	THE WASHDIKE	LAIRS
18	SUTTERLAND BECK	PEAT RIGG
19	UN-NAMED WATERCOURSE	COULTON
20	UN-NAMED WATERCOURSE	COCK FLAT
21	BLOODY BECK	EBBERSTON
22	UN-NAMED WATERCOURSE	CROSS HOLME
23	UN-NAMED WATERCOURSE	FOLKTON CARR
24	GUNDALE BECK	SAINTOFT BROW
25	UN-NAMED WATERCOURSE	SPOUT HOUSE
26	UN-NAMED WATERCOURSE	SCAGGLETHORPE

TAXON NAME	SITE															
	14	15	16	17	18	19	20	21	22	23	24	25	26			
<i>Polycelis nigra</i> group	0	0	0	0	0	0	0	0	0	+	0	0	+			
<i>Polycelis felina</i>	0	0	+	+	0	0	0	0	0	0	0	0	0			
<i>Crenobia alpina</i>	0	0	0	+	0	0	0	0	0	0	0	0	0			
<i>Dendrocoelum lacteum</i>	0	0	0	0	0	0	0	0	0	+	0	0	0			
<i>Potamopyrgus jenkinsi</i>	0	0	+	+	0	+	0	+	0	0	0	0	+			
<i>Lymnaea truncatula</i>	0	0	0	0	0	0	0	0	0	0	+	0	0			
<i>Lymnaea palustris</i>	0	+	0	0	0	+	0	0	0	0	0	0	0			
<i>Ancylus fluviatilis</i>	0	0	0	+	0	0	+	0	0	0	0	0	0			
<i>Succinea</i> sp.	0	0	0	0	0	0	0	0	0	+	0	0	+			
<i>Zonitoides nitidus</i>	0	+	0	0	0	0	0	0	0	+	0	0	0			
<i>Pisidium</i> sp.	0	+	+	0	+	0	+	0	0	0	0	+	0			
<i>Pisidium casertanum</i>	0	0	0	0	0	+	0	+	0	+	0	0	0			
<i>Pisidium personatum</i>	0	0	0	0	0	+	0	0	0	0	0	0	+			
<i>Pisidium subtruncatum</i>	0	0	0	+	0	0	0	+	0	0	0	0	0			
<i>Oligochaeta</i>	+	+	+	+	+	+	+	+	0	+	+	+	+			
<i>Glossiphonia complanata</i>	0	0	0	+	+	0	0	0	0	0	0	0	+			
<i>Helobdella stagnalis</i>	0	0	+	0	0	0	0	0	0	0	0	0	0			
<i>Hydracarina</i>	0	+	+	+	0	0	0	+	0	0	0	+	0			
<i>Asellus aquaticus</i>	0	0	0	0	0	0	0	0	0	+	0	0	0			
<i>Asellus meridianus</i>	0	0	0	0	0	0	0	0	0	+	0	0	0			
<i>Gammarus pulex</i>	0	+	+	+	+	0	+	+	0	+	0	0	+			
<i>Baetis scambus</i> group	0	0	0	0	0	0	+	0	0	0	0	0	0			
<i>Baetis vernus</i>	0	+	0	0	0	0	+	+	0	0	0	+	+			
<i>Baetis rhodani</i>	0	+	+	+	+	0	+	+	0	0	+	0	+			
<i>Baetis muticus</i>	0	+	0	0	0	0	+	0	0	0	0	0	0			
<i>Centroptilum luteolum</i>	0	0	0	0	+	0	0	0	0	0	+	0	0			
<i>Cloeon dipterum</i>	0	0	0	0	0	0	0	0	0	0	+	0	0			
<i>Rhithrogena semicolorata</i> group	0	0	0	0	0	0	+	0	0	0	0	0	0			
<i>Habrophlebia fusca</i>	0	0	0	0	+	0	0	0	0	0	0	+	0			
<i>Ephemerella ignita</i>	0	0	+	0	0	0	+	+	0	0	0	0	0			
<i>Ephemerella danica</i>	0	0	0	0	0	0	0	0	0	0	0	0	+			
<i>Amphinemura standfussi</i>	0	+	0	0	0	0	+	0	0	0	0	0	0			
<i>Amphinemura sulcicollis</i>	0	0	0	0	0	0	+	0	0	0	0	+	0			
<i>Nemurella picteti</i>	0	0	0	+	+	0	0	0	+	0	0	0	0			
<i>Nemoura cinerea</i>	+	0	0	0	+	0	0	0	0	0	0	0	0			
<i>Leuctra nigra</i>	0	0	0	0	+	0	0	0	0	0	0	0	0			
<i>Leuctra fusca</i>	0	0	0	0	0	0	+	0	0	0	0	+	0			
<i>Isoperla grammatica</i>	0	0	0	0	0	0	+	0	0	0	0	0	0			
<i>Chloroperla torrentium</i>	0	0	0	0	0	0	+	0	0	0	0	0	0			
<i>Velia</i> sp.	+	+	0	0	+	0	0	0	0	0	+	0	0			
<i>Velia caprai</i>	0	0	0	0	0	0	+	0	+	0	0	0	+			
<i>Haliphus</i> sp.	0	0	0	0	0	0	0	0	0	0	+	0	0			
<i>Oreodytes sanmarkii</i>	0	0	0	0	0	0	0	0	0	0	0	+	0			
<i>Hydroporus</i> sp.	0	0	0	0	0	+	0	0	0	0	0	0	0			
<i>Hydroporus palustris</i>	0	0	0	0	0	0	0	0	0	+	0	0	0			
<i>Hydroporus nemonius</i>	0	0	0	0	0	0	0	0	0	+	0	0	0			
<i>Agabus</i> sp.	0	+	0	0	0	0	0	0	+	0	+	0	0			
<i>Agabus guttatus</i>	+	0	0	0	0	0	0	0	0	0	0	0	0			
<i>Agabus sturmi</i>	0	0	0	0	0	0	0	0	0	+	0	0	0			
<i>Agabus bipustulatus</i>	0	0	0	0	0	0	0	0	0	+	0	0	0			
<i>Dytiscus semisulcatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	+			
Hydrophilidae (incl. Hydraenidae)	0	0	0	0	0	0	0	0	0	0	0	+	0			

TAXON NAME	SITE															
	14	15	16	17	18	19	20	21	22	23	24	25	26			
Hydraena testacea	0	0	0	0	0	0	0	0	0	+	0	0	0			
Hydraena gracilis	0	0	0	0	0	0	+	0	0	0	0	0	0			
Helophorus brevipalpis	0	+	0	0	0	0	0	+	0	0	+	0	0			
Helophorus flavipes	0	0	0	0	0	0	0	0	0	0	+	0	0			
Anacaena globulus	+	+	0	0	0	+	0	0	+	+	+	0	+			
Anacaena limbata	0	0	0	0	0	0	0	0	0	+	0	0	0			
Elodes sp.	0	+	0	0	0	0	+	0	0	0	0	0	0			
Elodes marginata	0	0	0	0	0	0	0	0	0	0	0	0	+			
Elmis aenea	0	+	+	+	+	0	+	+	0	0	0	0	+			
Limnius volckmari	0	+	0	0	0	0	0	0	0	0	0	0	0			
Sialis fuliginosa	0	0	0	+	+	0	0	0	0	0	0	+	+			
Rhyacophila dorsalis	0	0	0	0	0	0	+	0	0	0	0	0	0			
Rhyacophila oblitterata	0	0	0	0	0	0	0	0	0	0	0	+	0			
Agapetus sp.	0	0	+	+	+	0	0	+	0	0	0	0	0			
Philopotamidae	0	+	0	0	0	0	0	0	0	0	0	0	0			
Wormaldia sp.	0	0	0	0	0	0	+	0	0	0	0	+	0			
Plectrocnemia conspersa	+	0	0	0	+	+	+	0	+	0	0	0	0			
Hydropsyche instabilis	0	0	0	0	0	0	+	0	0	0	0	0	0			
Limnephilidae	0	0	0	0	0	0	0	0	0	0	0	0	+			
Drusus annulatus	0	0	0	0	0	0	+	0	0	0	0	0	0			
Limnephilus lunatus group	0	0	0	0	0	+	0	0	0	0	0	0	+			
Limnephilus vittatus	0	0	0	0	0	0	0	0	0	0	+	0	0			
Potamophylax cingulatus group	0	0	0	+	0	0	0	0	0	0	0	0	0			
Potamophylax cingulatus	0	0	0	0	0	0	+	0	0	0	0	0	0			
Halesus digitatus	0	0	0	0	0	0	0	0	0	0	+	0	0			
Melampophylax mucoreus	0	0	+	0	0	0	0	0	0	0	0	0	0			
Micropterna sequax	0	+	0	+	0	0	0	0	0	0	0	0	+			
Chaetopteryx villosa	0	0	0	+	0	0	0	0	0	0	0	+	0			
Beraea maurus	0	+	0	0	0	0	0	0	0	0	0	0	0			
Odontocerum albicorne	0	0	0	0	0	0	0	0	0	0	+	0	0			
Silo pallipes	0	0	0	+	0	0	+	0	0	0	0	0	0			
Silo nigricornis	0	0	+	0	0	0	0	0	0	0	0	0	0			
Crunoecia irrorata	0	+	0	0	+	0	0	0	0	0	0	0	0			
Sericostoma personatum	0	0	+	+	0	0	+	0	0	0	0	0	0			
Dicranota sp.	0	+	+	+	0	0	+	+	0	0	0	+	+			
Limnophila (Eloeophila) sp.	0	+	0	0	0	0	0	0	0	0	0	+	+			
Pilaria (Neolimnomyia) sp.	0	+	0	0	0	0	0	0	0	0	0	0	0			
Pilaria (Pilaria) sp.	+	0	0	0	0	0	0	0	0	0	0	0	0			
Pericoma canescens	0	+	0	0	0	0	0	0	0	0	0	0	0			
Pericoma trivialis group	0	0	0	0	0	0	0	0	0	+	+	0	0			
Ptychoptera sp.	0	0	0	0	0	0	0	0	0	0	0	+	0			
Anopheles algeriensis group	0	0	0	0	0	0	0	0	0	0	+	0	0			
Ceratopogonidae	0	0	0	+	0	0	0	0	0	0	0	0	+			
Chironomidae	+	+	+	+	+	+	+	+	+	+	+	+	+			
Bibionidae	0	0	0	0	0	0	0	0	+	0	0	0	0			
Simulium (Nevermannia) vernal group	0	0	0	0	0	0	0	0	0	0	0	+	0			
Simulium (Nevermannia) cryophilum group	0	+	0	0	0	0	+	0	0	0	0	+	0			
Simulium (Nevermannia) angustitarse group	0	+	+	0	0	0	0	0	0	0	0	0	+			
Simulium (Eusimulium) aureum group	0	0	0	0	0	0	0	0	0	0	+	0	0			
Simulium (Simulium) ornatum group	0	+	+	0	0	+	0	0	0	0	0	0	+			
Chelifera group	0	+	0	0	+	0	0	0	0	0	0	0	0			

Appendix IVb

Full taxon lists for headwater samples 27-39 from the River Derwent system. + = taxon present in the sample. 0 = taxon absent from the sample.

SITE	WATERCOURSE NAME	SITE NAME
27	UN-NAMED WATERCOURSE	LOW GATERLEY
28	UN-NAMED WATERCOURSE	SNARGATE
29	CHARITY DRAIN	GREAT WEST WOOD
30	UN-NAMED WATERCOURSE	SOMMERFIELD
31	UN-NAMED WATERCOURSE	FANGFOSS GRANGE
32	WINTER BECK	FULL SUTTON
33	UN-NAMED WATERCOURSE	SUTTON WOOD
34	UN-NAMED WATERCOURSE	WARREN HOUSE
35	UN-NAMED WATERCOURSE	THORNTON LE CLAY
36	MILL BECK	ALDMOOR
37	KELD SPRING BECK	WOMBLETON
38	MILLSIKE BECK	MINSTER WAY
39	BLACK DIKE	THORNTON

TAXON NAME	SITE													
	27	28	29	30	31	32	33	34	35	36	37	38	39	
Planariidae (incl. Dugesiidae)	0	0	0	0	0	0	0	0	0	0	+	0	0	
Polycelis nigra group	0	0	0	0	+	0	+	0	0	0	0	0	+	
Dugesia polychroa group	0	0	0	0	0	+	0	0	0	0	0	0	0	
Potamopyrgus jenkinsi	0	+	0	0	0	0	+	0	+	+	+	+	0	
Lymnaea sp.	0	0	+	0	0	0	0	0	0	0	0	0	0	
Lymnaea truncatula	+	0	0	+	0	0	0	0	+	0	0	0	0	
Lymnaea peregra	0	0	+	+	0	0	+	+	0	0	+	+	0	
Planorbis planorbis	0	0	0	0	0	0	0	0	0	0	0	+	0	
Anisus leucostoma	0	0	+	0	0	+	0	0	0	0	0	0	0	
Gyraulus albus	0	0	0	0	0	0	0	0	0	0	+	0	0	
Pisidium sp.	+	0	0	0	+	0	0	+	0	0	0	0	+	
Pisidium casertanum	0	+	+	+	0	0	0	0	0	0	0	0	0	
Pisidium personatum	0	+	+	0	0	+	+	0	+	+	0	0	0	
Pisidium subtruncatum	0	0	0	0	0	0	0	0	0	0	0	+	0	
Pisidium nitidum	0	0	0	0	0	0	0	0	0	0	0	+	0	
Oligochaeta	+	+	+	+	+	+	+	+	+	+	+	+	0	
Piscicola geometra	0	0	0	0	0	0	0	0	0	0	+	0	0	
Glossiphonia complanata	0	0	0	0	0	0	0	0	0	0	+	0	+	
Helobdella stagnalis	0	0	+	0	0	0	0	0	0	0	0	0	0	
Erpobdella octoculata	0	0	0	0	0	0	0	0	0	0	0	+	+	
Hydracarina	+	0	0	+	0	0	0	0	0	0	+	0	0	
Asellus aquaticus	0	0	0	0	+	0	+	0	0	0	0	+	+	
Gammarus pulex	+	+	0	0	+	0	+	+	+	+	+	0	+	
Baetis vernus	0	+	0	0	0	0	0	0	0	0	+	0	0	
Baetis rhodani	+	+	0	0	0	0	0	0	0	0	+	0	0	
Habrophlebia fusca	+	0	0	0	0	0	0	0	0	0	+	0	0	
Ephemerella ignita	0	0	0	0	0	0	0	0	0	0	+	0	0	
Ephemerella danica	0	+	0	0	0	0	0	0	0	0	+	0	0	
Nemurella picteti	0	+	0	0	0	0	0	0	0	0	0	0	0	
Leuctra geniculata	0	0	0	0	0	0	0	0	0	0	+	0	0	
Leuctra fusca	0	0	0	0	0	0	0	0	0	0	+	0	0	
Velia sp.	+	0	0	0	0	0	0	0	0	0	0	0	0	
Brychius elevatus	0	0	0	0	0	0	0	0	0	0	+	0	0	
Haliphus sp.	0	0	+	0	0	0	0	0	0	0	0	0	0	
Haliphus lineatocollis	0	0	0	0	0	0	0	0	0	0	0	+	0	
Hydroporus memnonius	0	0	0	0	0	0	0	0	+	0	0	0	0	
Agabus sp.	+	0	+	+	0	0	0	+	+	0	0	+	+	
Agabus guttatus	0	0	0	0	0	0	+	0	0	+	0	0	0	
Agabus paludosus	0	+	0	0	0	0	+	0	0	0	0	0	0	
Agabus chalconatus group	0	0	0	0	0	+	0	0	0	0	0	0	0	
Platambus maculatus	0	0	0	0	0	0	0	0	0	0	+	0	0	
Belophorus sp.	0	0	0	0	0	+	0	0	0	0	0	0	0	
Belophorus brevipalpis	+	+	0	0	0	0	0	+	0	0	0	0	0	
Anacaena globulus	+	0	0	+	0	+	0	0	+	0	0	0	0	
Elodes sp.	0	+	0	0	0	0	0	0	+	0	+	0	0	
Cyphon sp.	0	0	0	0	0	0	0	0	+	0	0	0	0	
Elmis aenea	0	+	0	0	0	0	0	0	0	0	+	0	0	
Limnius volckmari	0	0	0	0	0	0	0	0	0	0	+	0	0	
Oulimnius sp.	0	+	0	0	0	0	0	0	0	0	0	0	0	
Sialis lutaria	0	0	0	0	0	0	0	0	0	0	0	+	0	
Agapetus sp.	0	0	0	0	0	0	0	0	0	0	+	0	0	
Plectrocnemia conspersa	0	+	0	0	0	0	0	0	0	0	0	0	0	

TAXON NAME	SITE													
	27	28	29	30	31	32	33	34	35	36	37	38	39	
Hydroptila sp.	0	0	0	0	0	0	0	0	0	0	+	0	0	
Drusus annulatus	0	+	0	0	0	0	0	0	0	0	0	0	0	
Limnephilus lunatus group	+	+	0	+	+	0	+	+	0	0	+	+	0	
Potamophylax cingulatus	0	+	0	0	0	0	0	0	0	0	0	0	0	
Chaetopteryx villosa	0	+	0	0	0	0	0	0	0	0	+	0	0	
Silo nigricornis	0	0	0	0	0	0	0	0	0	0	+	0	0	
Sericostoma personatum	0	0	0	0	0	0	0	0	0	0	+	0	0	
Tipula montium group	0	0	0	0	0	0	+	0	+	0	0	0	0	
Tipula paludosa	0	0	0	0	0	+	0	0	0	0	0	0	0	
Tipula maxima group	0	0	0	0	0	0	+	0	0	0	0	0	0	
Tipula vittata	0	0	0	0	0	0	0	0	+	0	0	0	0	
Pedicia (Trichyphona) sp.	+	0	0	0	0	0	0	0	0	0	0	0	0	
Dicranota sp.	0	+	0	0	0	0	+	0	0	+	0	0	0	
Pilaria (Pilaria) sp.	0	+	0	0	0	0	0	0	0	0	0	0	0	
Molophilus sp.	0	0	0	+	0	0	0	0	0	0	0	0	0	
Pericoma canescens	+	0	0	0	0	0	0	0	+	0	0	0	0	
Pericoma trivialis group	0	0	0	0	0	0	0	0	+	0	0	0	0	
Ptychoptera sp.	0	0	0	0	0	0	0	0	0	0	+	0	0	
Dixa submaculata	0	0	0	0	0	0	0	0	0	0	+	0	0	
Anopheles sp.	+	0	0	0	0	0	0	0	0	0	0	0	0	
Anopheles algeriensis group	0	0	0	0	0	+	0	0	0	0	0	0	0	
Ceratopogonidae	0	0	0	0	0	0	+	0	0	0	0	0	0	
Chironomidae	+	+	+	+	+	+	+	+	+	+	+	+	+	
Simulium (Nevermannia) cryophilum group	0	0	0	0	0	0	0	0	0	+	0	0	0	
Simulium (Simulium) ornatum group	0	+	0	0	0	0	+	0	0	+	+	0	0	
Atalanta group	0	0	0	0	0	+	0	0	0	0	0	0	0	
Syrphidae	0	0	0	0	0	0	0	+	0	0	0	0	0	

Appendix IVc

Full taxon lists for headwater samples 1-13 from the River Lugg system. + = taxon present in the sample. 0 = taxon absent from the sample.

SITE	WATERCOURSE NAME	SITE NAME
1	UN-NAMED WATERCOURSE	WIGMORE ROLLS
2	UN-NAMED WATERCOURSE	RHIW LAWR
3	UN-NAMED WATERCOURSE	CHECKLEY
4	UN-NAMED WATERCOURSE	CWM Y GERWYN
5	UN-NAMED WATERCOURSE	NASH SCAR
6	UN-NAMED WATERCOURSE	GWAUNCESTRE HILL
7	UN-NAMED WATERCOURSE	BLACK HILL
8	UN-NAMED WATERCOURSE	CWMYNACE
9	UN-NAMED WATERCOURSE	MAWN POOLS
10	UN-NAMED WATERCOURSE	BWLCH
11	UN-NAMED WATERCOURSE	BLACK YATT
12	UN-NAMED WATERCOURSE	DREAVOUR FARM
13	UN-NAMED WATERCOURSE	BEILIBEDW MAWN POOL

TAXON NAME	SITE												
	1	2	3	4	5	6	7	8	9	10	11	12	13
Hydridae	0	0	0	0	0	0	0	0	0	0	+	0	0
Polycelis felina	0	0	0	0	+	0	0	0	0	+	0	0	+
Crenobia alpina	0	+	0	0	0	0	0	0	0	0	0	0	0
Chordodidae	0	0	0	0	0	0	0	0	0	0	0	+	0
Potamopyrgus jenkinsi	+	0	0	0	+	0	0	0	0	0	0	0	0
Lymnaea truncatula	0	0	0	0	0	+	0	0	0	0	+	0	0
Ancylus fluviatilis	0	0	0	0	0	+	+	0	+	+	+	+	0
Succinea sp.	0	0	0	0	0	0	0	0	0	+	0	0	0
Zonitoides nitidus	0	0	0	0	0	0	0	0	0	0	0	+	0
Pisidium sp.	0	0	0	0	+	0	0	+	0	+	+	+	0
Pisidium casertanum	0	0	+	+	0	0	0	0	0	0	0	0	+
Pisidium personatum	0	0	0	0	0	0	+	0	0	0	0	0	0
Pisidium subtruncatum	0	0	+	0	0	0	0	0	0	0	0	0	0
Oligochaeta	+	+	+	+	+	+	+	+	+	+	+	+	+
Glossiphonia complanata	+	0	0	0	0	0	0	0	0	0	0	0	0
Hydracarina	0	0	0	0	0	0	0	0	0	0	0	0	+
Gammarus pulex	+	0	+	+	+	0	+	+	+	+	0	+	+
Baetis scambus group	0	0	0	0	0	0	0	0	+	0	0	0	0
Baetis vernus	0	0	0	0	0	0	0	0	0	0	0	+	+
Baetis rhodani	0	0	+	+	+	0	+	+	+	+	0	+	+
Baetis muticus	+	+	0	+	0	0	+	+	+	+	0	+	0
Centroptilum luteolum	+	0	0	0	0	0	0	0	0	0	0	0	0
Rhithrogena semicolorata group	0	0	0	+	0	0	0	+	0	0	0	0	0
Heptagenia lateralis	+	0	0	0	0	0	+	0	0	0	0	+	0
Ecdyonurus sp.	0	0	0	0	0	0	0	0	+	0	0	0	0
Habrophlebia fusca	+	0	0	0	0	0	+	0	0	+	+	0	+
Ephemerella ignita	0	0	0	+	0	0	+	0	+	0	+	0	+
Protonemura sp.	0	0	0	+	0	0	0	0	0	0	0	0	0
Protonemura praecox	0	0	0	0	0	0	0	0	0	0	0	+	0
Protonemura meyeri	0	0	0	0	0	0	0	0	+	0	0	0	0
Amphinemura standfussi	0	0	0	0	0	0	0	0	0	0	0	+	0
Nemurella picteti	+	0	0	0	0	0	+	+	0	0	0	0	+
Nemoura cambrica group	0	0	0	+	0	0	0	0	+	0	0	0	0
Leuctra sp.	0	0	+	0	0	0	0	0	0	0	0	0	0
Leuctra fusca	0	0	0	0	0	0	+	0	0	0	0	0	+
Leuctra moselyi	0	0	0	+	0	+	0	0	+	0	0	0	0
Isoperla grammatica	0	0	0	+	0	0	+	0	+	0	0	+	0
Dinocras cephalotes	+	0	0	+	0	0	0	+	0	+	0	0	0
Chloroperla torrentium	0	0	0	0	0	0	0	0	0	0	0	0	+
Cordulegaster boltonii	0	0	0	0	0	0	0	0	0	0	0	0	+
Velia sp.	0	0	+	+	0	+	0	0	0	0	+	+	+
Velia caprai	0	0	0	0	0	0	+	0	0	0	0	0	0
Hydroporus nigrita	0	0	0	0	0	0	0	0	0	0	+	0	0
Hydroporus pubescens	0	0	0	0	0	0	0	0	0	0	+	0	+
Agabus sp.	0	0	0	0	0	0	+	0	0	0	0	0	+
Agabus guttatus	0	0	0	0	0	+	0	0	0	0	0	0	0
Hydraena gracilis	0	0	0	+	0	0	0	0	0	0	0	0	0
Limnebius truncatellus	0	0	0	+	0	0	0	0	0	0	0	0	+
Helophorus sp.	0	+	0	0	0	0	0	0	0	0	0	0	+
Helophorus aequalis	0	0	0	0	0	0	0	0	0	0	+	0	0
Helophorus brevipalpis	0	+	0	0	0	+	0	0	+	0	+	0	+
Helophorus flavipes	0	0	0	0	0	+	0	0	0	0	+	0	0

TAXON NAME	SITE												
	1	2	3	4	5	6	7	8	9	10	11	12	13
Anacaena globulus	0	+	0	0	0	+	+	0	0	0	+	0	0
Elodes sp.	0	0	+	+	+	+	0	+	+	+	0	+	+
Elmis aenea	0	0	0	+	0	+	+	0	+	0	+	+	+
Limnius volckmari	+	0	0	0	0	0	0	0	+	0	0	0	+
Oulimnius sp.	0	0	0	0	0	0	0	0	0	0	0	0	+
Sialis fuliginosa	+	0	0	0	0	0	0	0	0	0	0	0	0
Rhyacophila dorsalis	0	0	0	0	0	0	0	+	+	+	0	+	0
Rhyacophila oblitterata	0	0	0	+	0	0	0	0	+	0	0	0	0
Glossosoma sp.	0	0	0	0	0	0	0	0	0	0	0	+	0
Agapetus sp.	+	0	0	+	+	0	+	+	+	+	0	+	+
Philopotamus montanus	0	0	0	+	0	0	0	+	+	+	+	+	0
Wormaldia sp.	0	0	+	0	0	0	+	0	0	0	0	0	+
Plectrocnemia conspersa	+	0	+	+	+	0	+	+	0	+	+	+	+
Plectrocnemia geniculata	0	0	+	+	0	0	+	0	+	0	0	0	0
Hydropsyche fulvipes	0	0	+	0	0	0	0	0	0	0	0	0	0
Diplectrona felix	0	0	0	0	0	0	0	0	0	0	0	+	0
Hydroptila sp.	0	0	0	0	0	0	0	0	+	0	0	0	0
Oxyethira sp.	0	0	0	0	0	0	0	0	0	0	0	0	+
Apatania muliebris	0	0	0	0	0	0	+	0	0	0	0	0	0
Drusus annulatus	0	0	0	0	0	0	0	+	0	0	0	0	0
Potamophylax latipennis	0	0	0	0	0	0	0	0	0	0	0	+	0
Potamophylax cingulatus	0	0	0	0	+	0	0	0	+	0	0	0	0
Balesus sp.	0	0	0	0	0	0	0	0	+	0	0	0	0
Balesus digitatus	0	0	0	+	0	0	0	0	0	0	0	0	0
Micropterna sequax	0	0	0	0	0	0	0	+	0	0	0	0	0
Chaetopteryx villosa	0	0	0	+	0	0	+	+	+	0	+	0	+
Beraea maurus	0	0	0	0	0	0	0	0	0	0	0	+	0
Odontocerum albicorne	0	0	0	0	+	0	0	0	0	0	0	0	+
Silo pallipes	0	0	0	+	+	0	0	0	+	0	0	0	0
Crunoecia irrorata	0	0	0	+	0	0	0	0	0	0	0	0	0
Sericostoma personatum	0	0	0	+	0	0	0	0	0	0	0	0	0
Tipula sp.	0	0	0	0	0	0	0	0	0	0	+	+	0
Pedicia (Pedicia) group	+	0	0	+	+	+	0	0	+	0	0	+	0
Pedicia (Trichyphona) sp.	0	+	0	0	0	+	0	0	0	0	0	0	0
Dicranota sp.	0	+	+	+	+	+	+	+	+	+	0	+	+
Austrolimnophila ochracea	0	0	0	0	+	0	0	0	0	0	0	0	0
Pilaria (Neolimnomyia) sp.	+	0	0	0	0	0	0	0	0	0	0	0	0
Pericoma sp.	0	+	0	0	0	0	0	0	0	0	0	0	0
Pericoma canescens	0	0	0	+	0	0	0	0	0	0	0	0	0
Pericoma neglecta	0	0	0	+	0	0	0	0	0	0	0	0	0
Pericoma pseudoexquisita	0	0	0	0	0	0	0	0	0	0	+	0	0
Pericoma pulchra	0	0	0	+	0	0	0	0	0	0	0	0	0
Pericoma trivialis group	0	0	0	+	0	0	0	+	0	0	0	0	0
Dixa maculata complex	0	0	+	0	+	0	0	0	0	0	0	0	0
Dixa puberula	0	0	0	+	0	0	0	0	+	+	0	0	0
Dixa submaculata	0	0	0	+	0	0	0	0	0	0	0	0	0
Thaumalea sp.	0	0	0	+	+	0	0	0	0	+	0	0	0
Ceratopogonidae	0	0	+	0	0	0	0	0	0	0	0	0	0
Chironomidae	+	+	+	+	+	+	+	+	+	+	+	+	+
Simulium (Nevermannia) cryophilum group	0	0	0	+	0	0	+	+	+	0	0	+	0
Simulium (Simulium) argyreatum group	0	0	0	+	0	0	0	0	+	0	0	+	0
Simulium (Simulium) ornatum group	0	0	0	+	+	0	0	+	0	+	0	0	0
Empididae	0	0	0	0	0	+	0	0	0	0	0	0	0
Chelifera group	0	0	0	0	+	0	+	0	0	0	0	0	+
Wiedemannia group	0	0	0	+	0	0	0	0	+	0	0	0	0

Appendix IVc

Full taxon lists for headwater samples 14-26 from the River Lugg system. + = taxon present in the sample. 0 = taxon absent from the sample.

SITE	WATERCOURSE NAME	SITE NAME
14	UN-NAMED WATERCOURSE	BIRCHER
15	UN-NAMED WATERCOURSE	CROWTHER'S POOL
16	UN-NAMED WATERCOURSE	MOSELEY COMMON
17	UN-NAMED WATERCOURSE	ELSDON
18	UN-NAMED WATERCOURSE	CRUNGOED
19	UN-NAMED WATERCOURSE	SILURIA
20	UN-NAMED WATERCOURSE	KNAPTON GREEN
21	UN-NAMED WATERCOURSE	WINSLOW GREEN
22	UN-NAMED WATERCOURSE	HOPE UNDER DINMORE
23	UN-NAMED WATERCOURSE	HEGDON HILL
24	UN-NAMED WATERCOURSE	PENTRE-DRAEN
25	UN-NAMED WATERCOURSE	LYNCH COURT
26	UN-NAMED WATERCOURSE	NEWHOUSE

TAXON NAME	SITE															
	14	15	16	17	18	19	20	21	22	23	24	25	26			
Polycelis nigra group	0	0	+	0	0	0	0	+	0	0	0	+	0			
Polycelis felina	+	0	+	+	0	0	+	0	+	0	+	0	0			
Valvata piscinalis	0	0	0	0	0	0	0	0	0	0	0	+	0			
Potamopyrgus jenkinsi	0	+	+	+	0	0	0	+	0	0	0	+	0			
Lymnaea truncatula	0	0	0	0	0	+	0	0	0	0	0	0	0			
Lymnaea peregra	+	0	+	0	0	0	0	0	0	0	0	+	0			
Ancylus fluviatilis	0	+	0	+	+	0	0	0	0	0	0	0	0			
Succinea sp.	0	0	0	0	0	0	+	0	0	0	0	0	0			
Pisidium sp.	+	0	0	+	0	+	0	0	0	0	0	0	+			
Pisidium casertanum	0	0	+	0	0	0	0	0	+	+	0	0	0			
Pisidium personatum	0	+	0	0	+	0	0	0	+	+	0	0	0			
Pisidium milium	0	0	+	0	0	0	0	0	0	0	0	0	0			
Pisidium subtruncatum	0	0	+	0	0	0	+	+	0	0	+	+	0			
Pisidium nitidum	0	0	0	0	0	0	+	+	0	0	0	+	0			
Oligochaeta	+	+	+	+	+	+	+	+	+	+	+	+	+			
Glossiphonia complanata	+	+	+	+	0	0	+	+	0	0	0	+	+			
Erpobdella octoculata	+	0	0	+	0	0	0	0	0	0	0	+	0			
Hydracarina	+	0	0	0	0	0	0	0	0	0	0	+	0			
Gammarus pulex	+	+	+	+	+	+	+	+	+	+	+	+	+			
Baetis vernus	+	0	+	0	0	0	0	0	0	+	0	0	+			
Baetis rhodani	+	+	+	+	+	0	0	0	0	+	+	+	+			
Baetis muticus	0	0	0	0	0	0	0	0	0	0	0	0	+			
Rhithrogena semicolorata group	0	0	0	0	0	0	0	0	0	0	+	0	0			
Habrophlebia fusca	0	+	0	0	0	+	0	0	0	0	0	0	0			
Ephemerella ignita	0	0	+	0	+	0	0	0	0	0	0	+	0			
Ephemera danica	0	0	0	0	0	0	0	0	0	0	0	+	0			
Amphinemura standfussi	0	0	0	0	0	0	0	0	0	0	0	0	+			
Nemurella picteti	0	0	0	0	0	0	0	0	0	0	0	0	+			
Nemoura cinerea	0	0	0	0	0	+	0	0	0	0	0	0	0			
Nemoura cambrica group	0	0	0	0	+	0	0	0	0	0	0	0	0			
Leuctra nigra	0	0	0	0	+	0	0	0	0	0	0	0	0			
Leuctra fusca	0	+	0	0	+	0	0	0	0	0	0	0	0			
Leuctra moselyi	0	0	0	0	+	0	0	0	0	0	0	0	0			
Chloroperla torrentium	0	0	0	0	+	0	0	0	0	0	0	0	0			
Velia sp.	0	0	+	0	0	0	0	0	0	0	+	0	+			
Velia caprai	0	0	0	0	0	+	0	0	0	0	0	0	0			
Hydroporus memnonius	0	0	0	0	0	+	0	0	0	0	0	0	0			
Hydroporus discretus	0	0	0	0	0	0	0	+	0	0	0	0	0			
Agabus sp.	0	0	0	0	0	0	+	0	0	0	0	0	+			
Agabus paludosus	0	0	+	0	0	0	0	0	0	0	0	0	0			
Platambus maculatus	0	0	+	0	0	0	0	0	0	0	0	+	0			
Ilybius fuliginosus	0	0	+	0	0	0	0	0	0	0	0	0	0			
Hydraena gracilis	0	0	0	0	+	0	0	0	0	0	0	0	0			
Limnebius truncatellus	0	0	0	0	0	+	0	0	0	0	0	0	+			
Helophorus sp.	0	0	0	0	0	0	0	0	0	0	0	0	+			
Helophorus aequalis	0	0	0	0	0	+	0	0	0	0	0	0	0			
Helophorus brevipalpis	0	+	+	+	+	+	0	0	0	0	0	+	0			
Helophorus flavipes	0	0	0	0	0	0	0	0	0	0	+	0	0			
Helophorus grandis	0	0	0	0	0	+	0	0	0	0	0	0	0			
Elodes sp.	+	+	+	0	+	0	+	+	+	0	+	0	+			
Elmis aenea	+	+	0	+	+	0	0	0	0	0	0	+	0			
Limnius volckmari	0	0	0	+	0	0	0	0	0	0	0	0	0			

TAXON NAME	SITE															
	14	15	16	17	18	19	20	21	22	23	24	25	26			
<i>Oulimnius tuberculatus</i>	0	0	0	0	0	0	0	0	0	0	0	+	0			
<i>Sialis lutaria</i>	0	0	0	0	0	0	0	0	0	0	0	0	+			
<i>Sialis fuliginosa</i>	0	0	+	0	0	0	0	0	0	0	0	0	0			
<i>Rhyacophila</i> sp.	0	0	0	0	0	0	0	0	0	0	+	0	0			
<i>Rhyacophila dorsalis</i>	0	+	0	0	0	0	0	0	0	0	0	0	0			
<i>Rhyacophila septentrionis</i>	0	0	0	+	0	0	0	0	0	0	0	0	0			
<i>Glossosoma</i> sp.	0	0	0	0	+	0	0	0	0	0	0	0	0			
<i>Agapetus</i> sp.	+	+	0	0	0	0	0	0	0	0	+	0	+			
<i>Philopotamus montanus</i>	0	0	0	0	0	0	0	0	0	0	+	0	0			
<i>Plectrocnemia conspersa</i>	0	+	0	+	0	0	+	+	0	0	0	0	0			
<i>Hydropsyche fulvipes</i>	0	0	0	0	0	0	0	0	0	0	+	0	0			
<i>Drusus annulatus</i>	0	0	0	+	+	0	0	0	0	0	0	0	0			
<i>Ecclisopteryx guttulata</i>	0	0	0	+	0	0	0	0	0	0	0	0	0			
<i>Limnephilus lunatus</i> group	0	0	+	0	0	0	+	0	0	0	0	+	0			
<i>Potamophylax cingulatus</i>	0	0	0	0	+	0	0	0	0	0	+	0	0			
<i>Halesus radiatus</i>	0	0	0	0	0	0	0	0	0	0	0	+	0			
<i>Halesus digitatus</i>	0	0	0	0	+	0	0	0	0	0	+	0	+			
<i>Micropterna sequax</i>	+	0	0	0	0	0	0	0	0	0	0	0	0			
<i>Chaetopteryx villosa</i>	0	0	0	+	0	+	0	+	+	0	0	0	+			
<i>Silo pallipes</i>	0	0	0	0	0	0	0	0	0	0	+	0	+			
<i>Crunoecia irrorata</i>	0	0	0	+	+	0	0	0	0	0	0	0	0			
<i>Sericostoma personatum</i>	0	0	+	0	0	0	0	0	0	0	+	+	0			
Non-gilled Pyralidae	+	0	0	0	0	0	0	0	0	0	+	0	0			
<i>Tipula</i> sp.	0	0	0	0	0	0	+	0	0	0	0	0	0			
<i>Tipula montium</i> group	0	0	0	0	0	+	0	0	0	0	0	0	0			
<i>Pedicia</i> (<i>Pedicia</i>) group	0	+	0	0	+	0	0	0	0	0	+	0	0			
<i>Pedicia</i> (<i>Trichyphona</i>) sp.	+	0	0	0	0	0	+	0	0	0	0	0	+			
<i>Dicranota</i> sp.	+	+	+	+	+	+	0	+	+	+	+	0	+			
<i>Limnophila</i> (<i>Limnophila</i>) sp.	0	0	0	0	0	0	0	+	0	0	0	0	0			
<i>Limnophila</i> (<i>Eloeophila</i>) sp.	+	0	0	0	0	0	0	0	0	0	0	0	0			
<i>Pilaria</i> (<i>Neolimnomyia</i>) sp.	+	0	+	0	0	0	+	0	0	0	0	0	0			
Psychodidae	0	0	0	0	0	0	0	0	0	0	+	0	0			
<i>Pericoma neglecta</i>	+	0	0	0	0	+	0	0	0	0	0	0	0			
<i>Pericoma trivialis</i> group	+	0	+	0	0	+	0	0	+	0	0	0	+			
<i>Ptychoptera</i> sp.	+	0	0	0	0	+	0	+	+	+	0	0	0			
<i>Dixa maculata</i> complex	0	0	+	0	+	0	+	0	+	0	0	0	+			
<i>Dixa nebulosa</i>	0	0	0	0	0	0	0	0	0	0	0	0	+			
<i>Culex</i> (<i>Culex</i>) sp.	0	+	0	0	0	+	0	0	0	0	0	0	0			
Ceratopogonidae	0	0	+	0	0	0	+	+	0	0	+	0	0			
Chironomidae	+	+	+	+	+	+	+	+	+	+	+	+	+			
<i>Simulium</i> (<i>Nevermannia</i>) <i>cryophilum</i> group	0	0	0	0	0	0	0	0	0	0	+	0	+			
<i>Simulium</i> (<i>Nevermannia</i>) <i>costatum</i>	0	0	0	0	0	0	+	0	0	0	+	0	0			
<i>Simulium</i> (<i>Nevermannia</i>) <i>angustitarse</i> group	0	+	+	0	0	0	+	0	0	0	0	+	0			
<i>Simulium</i> (<i>Eusimulium</i>) <i>aureum</i> group	0	0	+	0	0	0	0	0	0	0	0	0	0			
<i>Simulium</i> (<i>Simulium</i>) <i>ornatum</i> group	0	+	0	+	+	0	0	0	0	+	+	0	+			
<i>Atalanta</i> group	+	0	0	0	0	0	0	0	0	0	0	0	+			
<i>Eristalis</i> sp.	0	+	0	0	0	0	0	0	0	0	0	0	0			
Ephydridae	0	0	0	0	0	0	+	0	0	0	0	0	0			

Appendix IVc

Full taxon lists for headwater samples 27-39 from the River Lugg system. + = taxon present in the sample. 0 = taxon absent from the sample.

SITE	WATERCOURSE NAME
27	SOUR BROOK
28	UN-NAMED WATERCOURSE
29	UN-NAMED WATERCOURSE
30	UN-NAMED WATERCOURSE
31	UN-NAMED WATERCOURSE
32	UN-NAMED WATERCOURSE
33	BLUE DITCH
34	UN-NAMED WATERCOURSE
35	UN-NAMED WATERCOURSE
36	UN-NAMED WATERCOURSE
37	UN-NAMED WATERCOURSE
38	UN-NAMED WATERCOURSE
39	UN-NAMED WATERCOURSE

SITE NAME
HOLME MARSH
NEW RADNOR
LOWER WOODBATCHE
LOWER KINSHAM
HAWKHURST
HYATT SARNESFIELD
MOUSENATCHE
ELMS GREEN
THORNBY COURT
HOPE FARM
MARSH COURT
BUTTHOUSE
LOWER CHADNOR

TAXON NAME	SITE													
	27	28	29	30	31	32	33	34	35	36	37	38	39	
Polycelis nigra group	0	0	0	+	0	0	0	0	+	+	0	0	0	
Polycelis felina	+	0	+	+	+	+	0	0	+	0	0	+	0	
Chordodidae	0	+	0	0	0	0	0	0	0	0	0	0	0	
Valvata piscinalis	0	0	0	0	0	0	0	+	0	0	0	0	0	
Potamopyrgus jenkinsi	0	0	0	+	0	+	0	+	+	0	0	0	0	
Bithynia tentaculata	0	0	0	0	0	0	0	+	0	0	0	0	0	
Lymnaea palustris	0	0	0	0	0	0	0	0	0	0	+	0	0	
Lymnaea peregra	0	0	0	+	0	0	0	+	0	+	0	0	0	
Planorbis carinatus	0	0	0	0	0	0	0	+	0	0	0	0	0	
Anisus vortex	0	0	0	0	0	0	0	+	0	0	0	0	0	
Gyraulus albus	0	0	0	0	0	0	0	+	0	0	0	0	0	
Ancylus fluviatilis	0	+	0	0	+	0	0	0	+	0	0	0	0	
Succinea sp.	0	0	0	+	0	+	0	0	0	+	0	0	0	
Sphaerium corneum	0	0	0	0	0	0	0	+	0	0	0	0	0	
Pisidium casertanum	0	0	0	+	0	0	0	0	0	+	+	0	0	
Pisidium personatum	0	0	0	+	0	0	0	0	+	+	+	+	0	
Pisidium milium	0	0	0	0	0	+	0	0	0	0	0	0	0	
Pisidium subtruncatum	0	0	+	0	0	+	+	0	+	+	0	+	+	
Pisidium henslowanum	0	0	0	0	0	0	0	+	0	0	0	0	0	
Pisidium nitidum	0	0	0	0	0	0	+	+	+	0	0	0	0	
Oligochaeta	+	+	+	+	+	+	+	+	+	+	+	+	+	
Piscicola geometra	0	0	0	+	0	0	0	0	0	0	0	0	0	
Glossiphonia complanata	0	0	+	0	+	+	+	0	+	0	0	+	+	
Helobdella stagnalis	0	0	0	0	0	+	0	0	0	0	0	0	0	
Erpobdella octoculata	0	0	0	0	0	0	0	0	0	0	0	0	+	
Hydracarina	0	0	0	+	+	+	+	0	0	0	0	+	+	
Gammarus pulex	+	+	+	+	+	+	+	0	+	+	0	+	0	
Baetis vernus	0	0	+	+	0	0	0	+	0	0	0	0	0	
Baetis rhodani	+	+	+	+	+	+	0	0	+	0	0	+	0	
Baetis muticus	0	+	0	0	0	0	0	0	0	0	0	0	0	
Centroptilum luteolum	0	0	0	0	0	0	+	0	0	0	0	0	0	
Rhithrogena semicolorata group	0	+	0	0	0	0	0	0	0	0	0	0	0	
Heptagenia lateralis	0	+	0	0	0	0	0	0	0	0	0	0	0	
Ecdyonurus sp.	+	+	0	0	0	0	0	0	0	0	0	0	0	
Habrophlebia fusca	+	0	+	0	+	+	0	0	0	0	0	0	0	
Ephemerella ignita	+	+	0	0	+	0	0	0	0	0	0	0	0	
Ephemerella vulgata	0	0	0	0	0	0	+	0	0	0	0	0	0	
Ephemerella danica	+	0	0	+	+	0	+	0	0	+	0	+	0	
Amphinemura standfussi	0	0	+	0	0	0	0	0	0	0	0	0	0	
Nemurella picteti	0	0	+	+	0	0	0	0	0	0	0	0	0	
Leuctra fusca	0	+	0	0	0	0	0	0	0	0	0	0	0	
Isoperla grammatica	0	+	0	0	0	0	0	0	0	0	0	0	0	
Dinocras cephalotes	0	+	0	0	0	0	0	0	0	0	0	0	0	
Velia sp.	0	+	0	+	0	0	0	0	+	+	0	0	0	
Velia caprai	0	0	+	0	0	0	0	0	0	0	0	0	0	
Hesperocorixa sahlbergi	0	0	0	0	0	0	0	0	0	0	0	0	+	
Agriotypus armatus	0	0	0	0	0	0	0	0	0	0	0	+	0	
Brychius elevatus	0	0	0	0	0	0	+	0	0	0	0	0	0	
Stictotarsus duodecimpustulatus	0	0	0	0	0	0	+	0	0	0	0	0	0	
Oreodytes sanmarkii	0	0	0	0	+	0	0	0	0	0	0	0	0	
Agabus sp.	0	0	0	0	+	0	0	0	0	0	0	0	0	
Agabus guttatus	0	0	0	0	0	0	0	0	+	0	+	0	0	

TAXON NAME	SITE													
	27	28	29	30	31	32	33	34	35	36	37	38	39	
Agabus paludosus	0	0	+	0	0	0	0	0	0	0	0	0	0	
Platambus maculatus	0	0	+	+	0	0	+	0	0	0	0	0	0	
Helophorus brevipalpis	0	0	+	0	+	0	+	0	+	0	+	0	+	
Anacaena globulus	0	0	0	+	0	0	0	0	0	+	+	0	0	
Elodes sp.	0	+	0	+	+	0	0	0	0	+	0	+	0	
Cyphon sp.	0	0	0	0	0	0	0	0	0	+	0	0	0	
Elmis aenea	+	+	0	0	+	+	0	0	0	0	0	+	0	
Limnius volckmari	+	+	0	0	0	0	0	0	0	0	0	+	0	
Riolus subviolaceus	0	0	0	0	+	0	0	0	0	0	0	0	0	
Sialis lutaria	0	0	0	0	0	0	+	+	0	0	0	0	+	
Sialis fuliginosa	0	0	0	+	0	0	0	0	0	0	0	+	0	
Rhyacophila sp.	0	0	0	0	0	0	+	0	0	0	0	0	0	
Rhyacophila dorsalis	0	+	0	0	0	0	0	0	0	0	0	0	0	
Rhyacophila septentrionis	+	0	0	0	+	0	0	0	0	0	0	+	0	
Rhyacophila obliterata	0	+	0	0	0	0	0	0	0	0	0	0	0	
Agapetus sp.	+	0	0	0	0	0	+	0	0	0	0	0	0	
Philopotamus montanus	0	+	0	0	0	0	0	0	0	0	0	0	0	
Wormaldia sp.	+	+	0	0	0	0	0	0	0	0	0	0	0	
Plectrocnemia conspersa	0	0	0	0	+	+	0	0	0	0	0	+	0	
Tinodes sp.	+	0	0	0	0	0	0	0	0	0	0	0	0	
Hydropsyche sp.	0	0	0	0	+	0	0	0	0	0	0	0	0	
Drusus annulatus	0	+	0	0	0	0	0	0	0	0	0	0	0	
Limnephilus lunatus group	0	0	+	+	0	+	+	0	0	0	0	0	+	
Potamophylax sp.	0	0	0	0	0	0	+	0	0	0	0	0	0	
Potamophylax cingulatus group	0	+	0	0	0	0	0	0	0	0	0	0	0	
Halesus radiatus	0	0	0	+	0	0	0	0	0	0	0	0	0	
Halesus digitatus	0	0	0	0	+	0	0	0	0	0	0	0	0	
Chaetopteryx villosa	0	+	0	+	+	+	0	0	0	0	0	+	0	
Beraea pullata	0	0	0	0	0	0	0	0	0	0	0	+	0	
Odontocerum albicorne	0	0	0	0	0	0	+	0	0	0	0	0	0	
Silo pallipes	0	0	0	0	0	0	0	0	0	0	0	+	0	
Sericostoma personatum	+	0	0	0	0	0	+	0	0	0	0	0	0	
Tipula sp.	0	0	0	0	0	0	0	0	+	0	0	0	0	
Tipula montium group	0	0	0	0	0	0	0	0	+	+	0	0	0	
Tipula maxima group	0	0	0	0	+	0	0	0	0	0	+	0	0	
Tipula vittata	0	0	0	0	0	0	0	0	+	0	0	0	0	
Pedicia (Pedicia) group	0	+	0	0	0	0	0	0	0	0	0	0	0	
Dicranota sp.	+	+	+	+	+	+	+	0	0	0	+	+	0	
Limnophila (Limnophila) sp.	0	0	0	0	0	0	0	0	0	0	+	0	0	
Pilaria (Neolimnomyia) sp.	+	0	0	0	0	+	0	0	0	0	0	+	0	
Rhypholophus sp.	0	0	0	0	0	0	0	0	0	0	+	0	0	
Pericoma sp.	+	0	0	0	0	0	0	0	0	0	0	0	0	
Pericoma blandula	0	0	0	0	0	0	0	0	0	0	0	0	0	
Pericoma canescens	0	0	0	0	+	0	0	0	0	0	+	0	0	
Pericoma neglecta	+	+	0	0	0	0	0	0	0	0	0	0	0	
Pericoma trivialis group	0	0	0	+	+	0	0	0	+	+	+	+	0	
Psychoda gemina	0	0	0	0	0	0	0	0	0	0	+	0	0	
Psychoda severini	0	0	0	0	0	0	0	0	0	+	+	+	0	
Ptychoptera sp.	0	0	+	0	+	+	0	0	0	0	+	+	0	
Dixa maculata complex	0	+	+	0	+	0	0	0	0	0	0	+	0	
Dixa puberula	0	+	0	0	0	0	0	0	0	0	0	0	0	
Dixa submaculata	0	0	0	0	0	+	0	0	0	0	0	0	0	
Culiseta (Culiseta) sp.	0	0	0	0	0	0	0	0	0	0	+	0	0	
Culex (Culex) sp.	0	0	0	0	0	0	0	0	0	0	+	0	0	
Thaumalea sp.	0	+	0	0	0	0	0	0	0	0	0	0	0	
Ceratopogonidae	0	0	0	0	0	+	+	0	0	0	0	0	0	
Chironomidae	+	+	+	+	+	+	+	+	+	+	+	+	+	
Simulium (Nevermannia) naturale	0	0	0	+	0	0	0	0	0	0	0	0	0	
Simulium (Nevermannia) cryophilum group	0	+	0	0	0	0	0	0	0	0	0	0	0	
Simulium (Nevermannia) costatum	0	0	0	+	0	+	0	0	0	0	0	0	0	
Simulium (Nevermannia) angustitarse group	0	0	+	+	0	+	0	0	0	+	0	+	0	
Simulium (Simulium) argyreatum	0	+	0	0	0	0	0	0	0	0	0	0	0	
Simulium (Simulium) ornatum group	+	+	+	+	+	+	0	0	0	0	0	+	0	
Oxycera pardalina	0	0	0	0	+	0	0	0	0	0	0	0	0	
Chelifera group	0	0	0	0	0	0	0	0	+	0	0	+	0	
Atalanta group	0	0	0	0	0	0	0	+	0	0	0	0	0	
Eristalis sp.	0	0	0	0	0	0	0	0	0	0	+	0	0	
Chrysogaster hirtella	0	0	+	0	0	+	0	0	0	0	0	0	0	

Appendix IVd

Full taxon lists for headwater samples 1-13 from the River Stour system. + = taxon present in the sample. 0 = taxon absent from the sample.

SITE	WATERCOURSE NAME	SITE NAME
1	UN-NAMED WATERCOURSE	NOON HILL
2	UN-NAMED WATERCOURSE	WEST KNOYLE
3	UN-NAMED WATERCOURSE	MIDDLEMARSH
4	UN-NAMED WATERCOURSE	CRANBORNE COMMON
5	UN-NAMED WATERCOURSE	COCKROAD WOOD
6	UN-NAMED WATERCOURSE	FERNDOWN
7	UN-NAMED WATERCOURSE	CANNON HILL
8	UN-NAMED WATERCOURSE	BOLT HEATH
9	UN-NAMED WATERCOURSE	MARSH FARM
10	UN-NAMED WATERCOURSE	LYMBURGH FARM
11	UN-NAMED WATERCOURSE	BARROW LANE
12	UN-NAMED WATERCOURSE	STOUR ROW
13	UN-NAMED WATERCOURSE	STOUR PROVOST

TAXON NAME	SITE												
	1	2	3	4	5	6	7	8	9	10	11	12	13
<i>Polycelis felina</i>	0	0	0	0	+	0	0	0	0	0	0	0	0
<i>Potamopyrgus jenkinsi</i>	0	+	+	+	+	0	0	0	+	0	+	0	0
<i>Lymnaea truncatula</i>	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Aplexa hypnorum</i>	0	0	0	0	0	0	0	0	0	0	0	+	0
<i>Ancylus fluviatilis</i>	0	0	0	0	0	0	0	0	+	0	0	0	0
<i>Succinea</i> sp.	0	0	0	0	0	0	0	0	+	0	0	0	0
<i>Pisidium</i> sp.	0	+	+	0	+	0	0	0	0	0	+	0	0
<i>Pisidium personatum</i>	0	0	0	0	0	0	0	0	+	0	0	0	0
<i>Oligochaeta</i>	+	+	+	+	+	+	0	+	+	+	+	+	+
<i>Glossiphonia complanata</i>	0	0	0	0	0	0	0	0	+	0	+	0	0
<i>Trocheta subviridis</i>	0	0	+	0	0	0	0	0	0	0	0	0	0
<i>Hydracarina</i>	0	0	0	0	0	0	0	0	+	0	0	0	0
<i>Asellus meridianus</i>	0	0	0	0	0	0	0	+	0	0	0	+	0
<i>Gammarus pulex</i>	0	+	0	0	+	0	0	0	+	0	+	0	0
<i>Baetis vernus</i>	0	0	0	0	+	0	0	0	0	0	0	0	0
<i>Baetis rhodani</i>	0	0	0	0	+	0	0	+	+	0	0	0	0
<i>Baetis muticus</i>	0	0	0	0	+	0	0	0	0	0	0	0	0
<i>Centroptilum luteolum</i>	0	+	0	0	0	0	0	0	0	0	0	0	0
<i>Rhithrogena semicolorata</i> group	0	0	0	0	+	0	0	0	0	0	0	0	0
<i>Habrophlebia fusca</i>	0	+	0	0	0	0	0	0	0	0	+	0	0
<i>Ephemera danica</i>	0	0	0	0	0	0	0	0	+	0	0	0	0
<i>Nemoura cinerea</i>	+	+	+	0	0	0	0	0	0	0	0	0	0
<i>Nemoura cambrica</i> group	0	0	0	0	+	0	0	0	0	0	0	0	0
<i>Leuctra nigra</i>	0	0	0	0	+	0	0	0	0	0	0	0	0
<i>Pyrrhosoma nymphula</i>	+	0	0	0	0	+	+	0	0	0	0	0	0
<i>Cordulegaster boltonii</i>	+	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sympetrum scoticum</i>	0	0	0	0	0	0	0	+	0	0	0	0	0
<i>Velia</i> sp.	+	0	0	0	0	0	+	0	+	0	0	+	0
<i>Velia caprai</i>	0	0	0	0	+	0	0	0	0	0	0	0	0
<i>Gerris</i> (<i>Gerris</i>) <i>gibbifer</i>	0	0	0	0	0	+	0	0	0	0	0	0	0
<i>Brychius elevatus</i>	0	0	0	0	0	0	0	0	+	0	0	0	0
<i>Stictotarsus duodecimpustulatus</i>	0	0	0	+	0	0	0	0	0	0	0	0	0
<i>Hydroporus umbrosus</i>	0	0	0	0	0	0	0	+	0	0	0	0	0
<i>Hydroporus memnonius</i>	0	0	0	0	0	0	0	0	0	0	0	+	0
<i>Hydroporus discretus</i>	0	0	+	0	0	0	0	0	0	0	0	0	0
<i>Hydroporus planus</i>	0	0	0	0	0	0	0	0	0	0	0	+	0
<i>Hydroporus tessellatus</i>	0	0	0	0	0	0	0	0	0	0	0	+	0
<i>Hydroporus tristis</i>	0	0	0	0	0	0	0	+	0	0	0	0	0
<i>Agabus</i> sp.	0	0	0	0	0	0	+	0	0	0	0	0	0
<i>Agabus guttatus</i>	0	0	+	0	0	0	0	0	0	0	0	+	+
<i>Agabus bipustulatus</i>	+	0	0	0	0	0	0	0	0	+	0	+	0
<i>Ilybius fuliginosus</i>	0	0	0	0	0	0	0	0	0	0	0	+	0
<i>Rhantus</i> sp.	0	0	0	0	0	0	0	+	0	0	0	0	0
<i>Dytiscus</i> sp.	0	0	0	0	0	+	0	0	0	0	0	+	0
<i>Hydrophilidae</i> (incl. <i>Hydraenidae</i>)	0	0	0	0	0	0	0	0	0	0	0	0	+
<i>Helophorus</i> sp.	+	0	0	0	0	0	0	0	0	0	0	+	0
<i>Helophorus aequalis</i>	0	0	0	0	0	0	0	0	0	+	0	0	0
<i>Helophorus brevipalpis</i>	0	0	0	0	+	0	0	0	+	0	0	0	0
<i>Hydrobius fuscipes</i>	0	0	0	0	0	0	0	0	0	0	0	+	0
<i>Anacaena globulus</i>	+	0	+	0	0	0	0	0	0	0	0	+	0
<i>Anacaena limbata</i>	0	0	0	0	0	0	0	0	0	0	0	+	0
<i>Elodes</i> sp.	0	+	0	0	+	0	0	0	0	0	+	0	0

TAXON NAME	SITE												
	1	2	3	4	5	6	7	8	9	10	11	12	13
Elmis aenea	0	0	0	0	0	0	0	0	+	0	+	0	0
Limnius volckmari	0	0	0	0	+	0	0	0	+	0	0	0	0
Sialis lutaria	0	0	0	0	0	+	0	0	0	0	0	0	0
Agapetus sp.	0	0	0	+	0	0	0	0	0	0	0	0	0
Plectrocnemia conspersa	+	+	0	0	+	0	+	0	0	0	+	0	0
Lype sp.	0	0	0	0	+	0	0	0	0	0	0	0	0
Hydropsyche angustipennis	0	0	0	0	0	0	0	0	0	0	+	0	0
Diplectrona felix	0	0	0	0	+	0	0	0	0	0	0	0	0
Drusus annulatus	0	0	0	0	0	0	0	0	+	0	0	0	0
Limnephilus lunatus group	0	0	0	0	0	0	0	0	0	0	0	+	0
Potamophylax cingulatus	0	0	0	0	+	0	0	0	0	0	0	0	0
Chaetopteryx villosa	0	0	0	+	0	0	0	0	0	0	+	0	0
Beraeodes minutus	0	0	0	+	0	0	0	0	0	0	0	0	0
Athripsodes bilineatus	0	0	0	0	0	0	0	0	+	0	0	0	0
Sericostoma personatum	0	0	0	+	0	0	0	0	+	0	0	0	0
Tipulidae	0	0	0	0	0	0	0	0	0	0	0	0	+
Prionocera turcica	0	0	0	0	0	0	0	+	0	0	0	0	0
Nephrotoma quadrifaria	0	0	0	0	0	0	0	0	0	0	0	0	+
Tipula montium group	0	0	0	0	0	0	0	0	0	0	+	0	0
Tipula maxima	0	0	0	0	+	0	0	0	0	0	0	0	0
Pedicia (Pedicia) group	+	0	0	0	0	0	0	0	0	0	0	0	0
Dicranota sp.	+	+	0	0	+	0	0	0	0	0	0	0	0
Limnophila (Eloeophila) sp.	0	+	0	0	+	0	0	0	0	0	+	0	0
Phyllidorea lineola	0	0	0	0	0	0	0	0	0	0	0	+	0
Erloptera sp.	0	0	0	0	0	0	0	0	0	0	0	+	+
Pericoma canescens	0	+	0	0	0	0	0	0	0	0	0	0	+
Pericoma fallax	0	+	0	0	0	0	0	0	0	0	0	0	0
Pericoma trivialis group	0	+	0	0	+	0	0	0	0	0	+	+	+
Ptychoptera sp.	0	0	+	0	0	0	0	0	0	0	+	0	0
Dixa maculata complex	0	0	0	0	+	0	0	0	0	0	+	0	0
Anopheles claviger	0	0	0	0	0	0	0	0	0	0	0	+	0
Thaumalea sp.	0	0	0	0	+	0	0	0	0	0	0	0	0
Ceratopogonidae	0	0	0	0	0	+	0	+	0	0	0	0	0
Chironomidae	+	+	+	+	+	+	+	+	+	+	+	+	+
Simulium (Nevermannia) cryophilum group	0	0	0	0	+	0	0	0	0	0	0	0	0
Simulium (Simulium) ornatum group	0	0	0	0	+	0	0	0	+	0	0	0	0
Empididae	0	0	0	+	0	0	0	0	0	0	0	0	+
Chelifera group	0	0	0	0	0	0	0	0	+	0	+	0	0
Atalanta group	0	0	0	0	0	0	0	0	+	0	0	0	0
Phaonia group	0	0	0	0	0	0	0	0	0	0	0	0	+

Appendix IVd

Full taxon lists for headwater samples 14-26 from the River Stour system. + = taxon present in the sample. 0 = taxon absent from the sample.

SITE	WATERCOURSE NAME	SITE NAME
14	UN-NAMED WATERCOURSE	WEST END
15	UN-NAMED WATERCOURSE	HAMMOND STREET FARM
16	UN-NAMED WATERCOURSE	KNACKERS' HOLE
17	UN-NAMED WATERCOURSE	GOLD HILL
18	UN-NAMED WATERCOURSE	LUGMARSH FARM
19	UN-NAMED WATERCOURSE	MARSH COURT
20	UN-NAMED WATERCOURSE	THORNHILL
21	UN-NAMED WATERCOURSE	BELCHALWELL
22	UN-NAMED WATERCOURSE	HAYS
23	UN-NAMED WATERCOURSE	SHARNHILL GREEN
24	UN-NAMED WATERCOURSE	BEDCHESTER
25	UN-NAMED WATERCOURSE	THE MIDDLES
26	UN-NAMED WATERCOURSE	RIVERS' CORNER

TAXON NAME	SITE															
	14	15	16	17	18	19	20	21	22	23	24	25	26			
Polycelis nigra group	+	+	0	0	0	+	0	0	0	+	0	0	0			
Polycelis felina	0	0	0	0	0	0	0	+	0	0	0	0	0			
Valvata piscinalis	+	0	0	0	0	0	0	0	0	0	0	0	0			
Potamopyrgus jenkinsi	+	+	0	0	+	+	+	0	+	+	+	+	+			
Bithynia tentaculata	+	0	0	0	0	0	0	0	0	0	0	0	0			
Lymnaea truncatula	0	0	0	0	0	0	0	0	+	0	0	+	0			
Lymnaea peregra	+	0	0	0	0	+	0	0	0	0	0	0	0			
Aplexa hypnorum	0	0	0	0	0	+	0	0	0	0	0	0	0			
Anisus vortex	0	0	0	0	0	+	0	0	0	0	0	0	0			
Anisus leucostoma	0	0	0	0	0	+	0	0	0	0	0	0	0			
Bathymphalus contortus	0	0	0	0	0	+	0	0	0	0	0	0	0			
Ancylus fluviatilis	0	0	0	0	0	0	0	0	0	+	0	0	0			
Succinea sp.	0	0	+	0	0	+	0	0	0	0	0	0	0			
Pisidium sp.	0	+	+	+	+	0	0	0	+	0	+	0	0			
Pisidium casertanum	+	0	0	0	0	0	+	0	0	+	0	0	0			
Pisidium personatum	0	0	0	0	0	+	+	0	0	0	0	+	0			
Pisidium milium	0	0	0	0	0	+	0	0	0	0	0	0	0			
Pisidium subtruncatum	+	0	0	0	0	+	0	0	0	0	0	0	0			
Pisidium hibernicum	0	0	0	0	0	0	+	0	0	0	0	0	0			
Oligochaeta	+	+	+	+	+	+	+	+	+	+	+	+	+			
Glossiphoniidae	0	0	0	0	0	0	+	0	0	0	0	0	0			
Glossiphonia complanata	+	0	0	0	0	0	0	+	0	0	+	0	0			
Erpobdella octoculata	+	0	0	0	0	0	0	0	0	0	0	0	0			
Trocheta subviridis	0	0	0	0	0	0	+	0	0	0	+	+	0			
Asellus aquaticus	+	+	+	0	0	+	0	0	0	0	+	0	0			
Asellus meridianus	+	0	+	0	0	0	+	0	0	0	0	0	0			
Crangonyx pseudogracilis	+	0	0	0	0	0	0	0	0	0	0	0	0			
Gammarus pulex	+	+	+	0	+	0	0	+	+	+	+	+	+			
Baetis rhodani	0	+	+	0	0	0	0	+	0	+	0	0	+			
Centroptilum luteolum	+	0	0	0	+	0	0	0	0	+	0	+	0			
Habrophlebia fusca	0	+	+	0	0	0	+	0	0	0	0	+	+			
Ephemerella ignita	+	0	0	0	0	0	0	0	0	0	0	0	0			
Ephemera danica	+	0	0	0	0	0	0	0	0	0	0	0	0			
Caenis luctuosa group	+	0	0	0	0	0	0	0	0	0	0	0	0			
Caenis rivulorum	+	0	0	0	0	0	0	0	0	0	0	0	0			
Amphinemura standfussi	0	+	0	0	0	0	0	0	0	0	0	+	0			
Nemoura cinerea	0	0	0	+	0	0	0	0	0	0	0	+	0			
Coenagriidae	0	0	0	0	0	+	0	0	0	0	0	0	0			
Cordulegaster boltonii	0	0	0	0	+	0	0	0	0	0	0	0	0			
Sympetrum sp.	0	0	0	0	0	+	0	0	0	0	0	0	0			
Velia sp.	0	0	+	0	0	0	+	0	0	0	0	0	+			
Velia caprai	0	0	0	0	+	0	0	0	0	0	0	+	0			
Corixidae	+	0	0	0	0	0	0	0	0	0	0	0	0			
Hesperocorixa sahlbergi	0	0	0	0	0	+	0	0	0	0	0	0	0			
Sigara falleni	0	0	0	0	0	+	0	0	0	0	0	0	0			
Stictotarsus duodecimpustulatus	+	0	0	0	0	0	0	0	0	0	0	0	0			
Hydroporus sp.	0	0	0	+	0	0	0	0	0	0	0	0	0			
Hydroporus memnonius	0	0	0	0	0	+	0	0	+	0	0	0	0			
Hydroporus planus	0	0	0	0	0	+	0	0	0	+	0	0	0			
Hydroporus tessellatus	0	0	0	0	0	+	+	0	+	0	0	0	0			
Hydroporus obsoletus	0	0	0	0	0	+	0	0	0	0	0	0	0			
Agabus sp.	+	+	0	+	0	0	0	0	+	0	+	0	0			

TAXON NAME	SITE															
	14	15	16	17	18	19	20	21	22	23	24	25	26			
Agabus guttatus	0	0	0	0	0	0	+	0	0	0	0	+	0			
Agabus bipustulatus	0	0	0	0	0	+	0	0	0	0	0	0	0			
Hydrophilidae (incl. Hydraenidae)	0	+	0	0	0	0	0	0	0	0	0	0	0			
Hydraena nigrita	0	0	0	0	0	0	0	0	0	0	0	+	0			
Helophorus aequalis	0	0	0	0	0	+	0	0	+	0	0	0	0			
Helophorus brevipalpis	0	0	+	+	0	0	0	0	+	0	+	0	0			
Anacaena globulus	0	0	0	+	0	0	+	0	0	0	0	0	0			
Elodes sp.	0	0	+	0	0	0	0	0	0	0	+	+	0			
Elmis aenea	0	0	0	0	0	0	0	+	0	0	0	+	+			
Oulimnius tuberculatus	0	0	0	0	0	0	0	0	0	0	0	0	+			
Sialis lutaria	+	0	0	0	0	0	0	0	0	0	0	0	0			
Rhyacophila dorsalis	0	0	0	0	0	0	0	0	0	0	0	0	+			
Plectrocnemia conspersa	0	+	0	0	0	0	0	0	0	0	0	0	+			
Limnephilidae	0	0	0	+	0	0	0	0	0	0	0	0	0			
Limnophilus lunatus group	+	0	0	0	0	+	0	0	0	+	0	+	0			
Balesus digitatus	0	0	0	0	+	0	0	0	0	0	+	0	0			
Micropterna sequax	0	0	0	0	+	0	0	+	+	0	0	0	0			
Chaetopteryx villosa	0	0	0	0	0	0	0	0	0	0	0	+	0			
Sericostoma personatum	+	0	0	0	0	0	0	0	0	0	0	0	0			
Non-gilled Pyralidae	0	0	0	0	0	0	+	0	0	0	+	0	0			
Nephrotoma cornicina	0	+	0	0	0	0	0	0	0	0	0	0	0			
Tipula sp.	0	0	0	0	0	0	0	0	0	0	0	+	0			
Tipula montium group	0	0	0	0	0	0	+	0	+	0	0	0	0			
Tipula vittata	0	+	0	+	0	0	0	0	+	0	0	0	0			
Dicranota sp.	0	+	0	0	0	0	0	+	0	0	+	0	+			
Limnophila (Limnophila) sp.	0	+	0	0	0	0	0	0	0	0	0	0	0			
Limnophila (Brachylimnophila) sp.	0	+	0	0	0	0	0	0	+	0	0	0	0			
Limnophila (Eloeophila) sp.	0	0	0	0	+	0	0	0	0	0	0	0	0			
Phylidorea lineola	0	0	0	0	0	+	0	0	0	0	0	0	0			
Pilaria (Pilaria) sp.	0	+	0	0	0	0	0	0	0	0	0	0	0			
Erioptera sp.	0	+	0	0	0	0	0	0	0	0	0	0	0			
Pericoma canescens	0	0	0	0	0	0	0	0	0	0	0	+	+			
Pericoma trivialis group	0	+	+	+	0	0	+	0	+	0	+	0	0			
Peripsychoda fusca	0	0	0	0	0	0	+	0	0	0	0	0	0			
Psychoda severini	0	0	0	0	0	0	0	0	0	0	0	+	0			
Ptychoptera sp.	0	+	0	0	0	0	0	0	0	0	+	0	0			
Ceratopogonidae	0	0	+	0	+	0	0	0	0	0	+	+	0			
Chironomidae	+	+	+	+	+	+	+	+	+	+	+	+	+			
Simulium (Nevermannia) angustitarse group	+	0	0	0	0	0	0	0	0	0	0	0	0			
Simulium (Eusimulium) aureum group	0	+	0	0	0	0	0	0	0	0	+	0	+			
Simulium (Simulium) ornatum group	0	+	0	0	0	0	0	+	0	0	+	0	0			
Empididae	0	0	0	0	0	0	0	0	+	0	0	0	+			
Atalanta group	0	+	0	+	0	0	0	0	0	0	+	0	0			

Appendix IVd

Full taxon lists for headwater samples 27-38 from the River Stour system. + = taxon present in the sample. 0 = taxon absent from the sample.

SITE	WATERCOURSE NAME	SITE NAME
27	UN-NAMED WATERCOURSE	CANNING'S COURT
28	UN-NAMED WATERCOURSE	SHAPWICK
29	UN-NAMED WATERCOURSE	MILL FARM
30	UN-NAMED WATERCOURSE	LITTLE PAMPHILL
31	UN-NAMED WATERCOURSE	WILKIN THROOP
32	UN-NAMED WATERCOURSE	SEDGBHILL
33	UN-NAMED WATERCOURSE	EAST STOUR
34	UN-NAMED WATERCOURSE	CHARNAGE
35	UN-NAMED WATERCOURSE	HOLTWOOD FARM
36	UN-NAMED WATERCOURSE	WITCHAMPTON
37	UN-NAMED WATERCOURSE	WIMBORNE ST.GILES
38	UN-NAMED WATERCOURSE	WHITE KENNELS

TAXON NAME	SITE													
	27	28	29	30	31	32	33	34	35	36	37	38		
Polycelis nigra group	0	0	+	0	0	+	0	0	0	+	+	0		
Polycelis felina	0	0	+	0	+	0	0	0	0	+	+	0		
Dendrocoelum lacteum	0	0	0	0	0	0	0	0	0	+	+	0		
Valvata piscinalis	0	+	0	0	0	0	0	0	0	0	0	0		
Potamopyrgus jenkinsi	+	+	+	+	+	+	+	+	+	+	+	0		
Lymnaea sp.	0	0	0	0	0	0	0	0	0	0	+	0		
Lymnaea truncatula	0	0	0	0	0	0	0	0	0	0	0	+		
Lymnaea peregra	0	0	+	0	0	0	+	0	0	+	+	+		
Physa fontinalis	0	0	0	0	0	0	0	0	0	+	+	0		
Anisus sp.	0	0	0	0	0	0	0	0	0	0	+	0		
Anisus leucostoma	0	0	0	0	0	0	0	0	0	0	0	+		
Ancylus fluviatilis	0	0	0	0	0	0	0	0	0	0	+	0		
Zonitoides nitidus	0	0	0	0	0	+	0	0	0	0	0	0		
Pisidium sp.	0	+	0	+	0	0	0	0	0	0	0	0		
Pisidium casertanum	+	0	0	0	+	+	+	+	+	0	0	0		
Pisidium personatum	+	0	0	0	+	0	+	+	+	0	0	0		
Pisidium subtruncatum	+	0	0	0	0	0	0	0	0	0	0	0		
Pisidium hibernicum	0	0	0	0	0	0	0	0	0	0	+	0		
Pisidium nitidum	+	0	0	0	0	0	0	0	0	0	0	0		
Oligochaeta	+	+	+	+	+	+	+	+	+	+	+	+		
Piscicola geometra	0	0	0	0	0	0	0	0	0	+	+	0		
Glossiphonia complanata	+	+	+	0	+	0	0	0	0	+	+	0		
Helobdella stagnalis	0	0	0	0	0	0	0	0	0	0	+	0		
Erpobdella octoculata	+	0	0	0	0	0	0	0	0	0	+	0		
Trocheta subviridis	0	0	0	0	0	0	+	+	0	0	0	0		
Hydracarina	0	0	0	0	+	0	0	0	0	+	+	0		
Asellus sp.	+	0	0	0	0	0	0	0	0	0	0	0		
Asellus aquaticus	0	+	0	+	0	0	+	0	0	0	+	0		
Asellus meridianus	0	+	0	0	0	+	0	0	0	+	0	0		
Gammarus pulex	+	+	0	+	+	+	+	+	0	+	+	+		
Baetis vernus	+	0	0	0	0	0	0	0	0	0	+	0		
Baetis rhodani	+	0	0	+	+	0	0	0	0	+	+	+		
Centroptilum luteolum	0	0	0	0	0	+	0	0	0	0	0	0		
Cloeon dipterum	0	0	0	0	0	0	0	+	0	0	0	0		
Ecdyonurus sp.	0	0	0	0	0	0	0	0	0	0	+	0		
Paraleptophlebia wernerii	0	0	0	0	0	0	0	0	0	0	0	+		
Baetophlebia fusca	0	0	0	+	0	+	0	0	0	0	0	0		
Ephemerella ignita	0	0	0	0	0	0	0	0	0	+	+	0		
Caenis rivulorum	0	0	0	0	0	0	0	0	0	+	0	0		
Amphinemura standfussi	0	0	0	+	+	0	0	0	0	0	0	0		
Nemurella picteti	0	+	0	0	0	0	0	0	0	0	0	0		
Nemoura cinerea	0	0	0	0	0	0	0	0	0	0	0	+		
Leuctra geniculata	0	0	0	0	0	0	0	0	0	+	0	0		
Isoperla grammatica	0	0	0	0	+	0	0	0	0	0	+	0		
Velia sp.	+	0	0	+	0	0	0	+	0	0	0	0		
Stictotarsus duodecimpustulatus	0	+	0	0	0	0	0	0	0	0	0	0		
Oreodytes sanmarkii	0	0	0	0	0	0	0	0	0	0	+	0		
Hydroporus discretus	0	0	0	0	0	0	0	0	0	0	0	+		
Hydroporus tessellatus	0	0	0	+	0	+	0	0	0	0	0	0		
Agabus sp.	0	0	0	0	0	0	0	0	0	+	0	+		
Agabus guttatus	0	0	0	0	0	0	+	0	0	0	0	0		
Agabus biguttatus	0	0	0	0	0	0	0	0	0	0	0	+		
Ilybius fuliginosus	0	+	0	0	0	0	0	0	0	0	0	0		

TAXON NAME	SITE												
	27	28	29	30	31	32	33	34	35	36	37	38	
Gyrinus sp.	0	+	0	0	0	0	0	0	0	0	0	0	
Helophorus brevipalpis	0	+	+	0	0	0	+	+	0	0	0	+	
Anacaena globulus	0	0	0	0	+	0	0	0	0	0	0	0	
Elodes sp.	0	+	0	0	+	0	0	+	0	0	0	0	
Dryops sp.	0	0	0	0	0	0	0	0	0	0	0	+	
Elmis aenea	+	0	0	+	+	0	0	0	0	+	+	0	
Limnius volckmari	0	0	0	+	+	0	0	0	0	0	0	0	
Oulimnius tuberculatus	0	0	0	+	0	0	0	0	0	0	0	0	
Rhyacophila dorsalis	0	0	0	0	0	0	0	0	0	0	+	0	
Agapetus sp.	0	0	0	0	+	0	0	0	0	+	+	0	
Wormaldia sp.	0	0	0	0	+	0	0	0	0	0	0	0	
Plectrocnemia conspersa	0	+	0	+	+	0	0	+	0	+	0	0	
Tinodes unicolor	0	0	0	0	+	0	0	0	0	0	0	0	
Drusus annulatus	0	0	0	0	+	0	0	-0	0	+	+	0	
Limnephilus sp.	0	0	0	0	0	0	0	0	0	0	0	+	
Limnephilus lunatus group	+	+	0	0	0	0	0	0	0	+	+	0	
Balesus digitatus	0	0	0	0	0	+	0	0	0	0	0	0	
Micropterna sequax	0	0	0	0	+	0	0	0	0	0	0	0	
Athripsodes sp.	0	0	0	0	0	0	0	+	0	0	0	0	
Sericostoma personatum	0	0	0	0	0	0	0	0	0	+	0	0	
Non-gilled Pyralidae	0	0	0	0	0	0	0	0	+	0	0	0	
Tipula montium group	0	0	0	0	0	+	+	0	+	0	0	0	
Tipula vittata	0	0	+	0	0	+	+	0	0	0	0	0	
Pedicia (Pedicia) group	0	0	0	0	+	0	0	0	0	0	0	0	
Dicranota sp.	+	0	0	+	+	0	0	0	0	0	0	0	
Phylidorea lineola	0	0	0	0	0	+	0	0	0	0	0	0	
Pilaria (Pilaria) sp.	0	+	0	0	0	+	0	0	0	0	0	0	
Erioptera sp.	0	0	0	0	0	+	0	0	0	0	0	0	
Molophilus sp.	0	0	+	0	0	0	0	0	0	0	0	0	
Pericoma canescens	0	0	0	0	0	0	+	+	0	0	0	0	
Pericoma trivialis group	0	0	0	+	0	+	+	0	+	0	0	0	
Dixa maculata complex	0	0	0	0	+	0	0	0	0	0	0	0	
Culiseta (Culiseta) sp.	0	0	+	0	0	0	0	0	0	0	0	0	
Ceratopogonidae	+	+	0	+	0	+	0	+	+	0	+	0	
Chironomidae	+	+	+	+	+	+	+	+	+	+	+	+	
Simulium (Nevermannia) venum group	0	0	0	0	0	0	0	0	0	+	0	0	
Simulium (Nevermannia) angustitarse group	0	0	0	+	0	0	0	0	0	+	+	0	
Simulium (Eusimulium) aureum group	0	0	0	0	0	0	0	0	0	+	0	+	
Simulium (Simulium) ornatum group	0	0	0	+	0	0	0	0	0	+	+	+	
Oxycera sp.	0	0	0	0	+	0	0	0	+	0	0	0	
Empididae	0	0	0	0	+	0	0	0	0	0	0	0	
Chelifera group	0	0	0	0	0	0	0	0	0	+	+	0	
Atalanta group	0	0	0	0	0	0	+	0	0	0	0	+	
Syrphidae	0	0	0	0	0	0	+	0	0	0	0	0	

Appendix V Biological quality measures for each stage 3 site based on the BMWP score system

CAM

Watercourse Name	Site Name	Score	Taxa				ASPT				Combined Band
		Observed	Observed	Expected	EQI	Band	Observed	Expected	EQI	Band	
UN-NAMED WATERCOURSE	HARCAMLOW WAY	26	7	16.3	0.43	B	3.71	4.76	0.78	B	B
UN-NAMED WATERCOURSE	NEAR WHADDON	29	8	16.2	0.49	B	3.63	4.49	0.81	B	B
UN-NAMED WATERCOURSE	EXNING	17	5	19.9	0.25	C	3.40	4.79	0.71	C	C
UN-NAMED WATERCOURSE	CROYDEN	50	12	16.2	0.74	A	4.17	4.49	0.93	A	A
UN-NAMED WATERCOURSE	TRINITY CONDUIT	60	15	16.2	0.93	A	4.00	4.49	0.89	A	A
UN-NAMED WATERCOURSE	HARLTON	41	11	16.2	0.68	B	3.73	4.49	0.83	B	B
UN-NAMED WATERCOURSE	BOWSERS	36	10	16.3	0.61	B	3.60	4.65	0.77	B	B
UN-NAMED WATERCOURSE	CHURCH END	28	7	17.6	0.40	C	4.00	5.67	0.71	C	C
UN-NAMED WATERCOURSE	LONGSTOWE	40	11	16.3	0.67	B	3.64	4.76	0.76	C	C
UN-NAMED WATERCOURSE	EAST HATLEY	27	8	16.4	0.49	B	3.38	4.72	0.72	C	C
UN-NAMED WATERCOURSE	REACH	55	14	16.2	0.86	A	3.93	4.49	0.88	B	B
UN-NAMED WATERCOURSE	POOR'S FEN	13	4	16.2	0.25	C	3.25	4.49	0.72	C	C
UN-NAMED WATERCOURSE	HIGHBRIDGE FARM	68	17	16.2	1.05	A	4.00	4.49	0.89	A	A
UN-NAMED WATERCOURSE	GILL'S HILL	6	3	18.0	0.17	C	2.00	5.02	0.40	D	D
UN-NAMED WATERCOURSE	NORTH END	32	9	16.2	0.56	B	3.56	4.49	0.79	B	B

DERWENT

Watercourse Name	Site Name	Score Observed
MUFFLES DIKE	LOW MUFFLES	41
WHITE MIRES DIKE	WHITE HOUSE	34
OAK RIGG GILL	HIGH DALES	111
UN-NAMED WATERCOURSE	NORTH SIDE	48
GRAIN BECK	BLAKEY TOPPING	12
MIDDLE SIKE	PROD HILLS	32
UN-NAMED WATERCOURSE	HAZEL GREEN	26
LOSKEY BECK	SPAUNTON MOOR	25
UN-NAMED WATERCOURSE	SLAPE WATH MOOR	32
MUCKY HOLE SLACK	FYLINGDALES MOOR	30
UN-NAMED WATERCOURSE	HAGG HOUSE	81
UN-NAMED WATERCOURSE	HOLE OF HORCAM	88
LOCKER BECK	LOCKER WOOD	103
SHORTSHA BECK	LOWNA	32
UN-NAMED WATERCOURSE	HIGH HORCAM	91
UN-NAMED WATERCOURSE	PLACE NEWTON	86
THE WASHDIKE	LAIRS	88
SUTTERLAND BECK	PEAT RIGG	79
UN-NAMED WATERCOURSE	COULTON	41
UN-NAMED WATERCOURSE	COCK FLAT	158
BLOODY BECK	EBBERSTON	51
UN-NAMED WATERCOURSE	CROSS HOLME	26
UN-NAMED WATERCOURSE	FOLKTON CARR	35
GUNDALE BECK	SAINTOFT BROW	37
UN-NAMED WATERCOURSE	SPOUT HOUSE	93
UN-NAMED WATERCOURSE	SCAGGLETHORPE	78
UN-NAMED WATERCOURSE	LOW GATERLEY	51
UN-NAMED WATERCOURSE	SNARGATE	80
CHARITY DRAIN	GREAT WEST WOOD	25
UN-NAMED WATERCOURSE	SOMMERFIELD	31
UN-NAMED WATERCOURSE	FANGFOSS GRANGE	27
WINTER BECK	FULL SUTTON	29
UN-NAMED WATERCOURSE	SUTTON WOOD	48
UN-NAMED WATERCOURSE	WARREN HOUSE	32
UN-NAMED WATERCOURSE	THORNTON LE CLAY	38
MILL BECK	ALDMOOR	30
KELD SPRING BECK	WOMBLETON	139
MILLSIKE BECK	MINSTER WAY	42
BLACK DIKE	THORNTON	30

Taxa				ASPT				Combined
Observed	Expected	EQI	Band	Observed	Expected	EQI	Band	Band
7	16.5	0.42	C	5.86	5.88	1.00	A	C
7	17.2	0.41	C	4.86	5.86	0.83	B	B
18	15.6	1.15	A	6.17	5.49	1.12	A	A
9	16.4	0.55	B	5.33	5.59	0.95	A	B
3	16.6	0.18	C	4.00	6.13	0.65	D	D
7	16.3	0.43	B	4.57	6.08	0.75	C	C
6	14.7	0.41	C	4.33	5.25	0.82	B	C
5	16.5	0.30	C	5.00	5.90	0.85	B	C
7	15.1	0.46	B	4.57	5.37	0.85	B	B
6	17.0	0.35	C	5.00	5.75	0.87	B	C
14	15.6	0.90	A	5.79	5.46	1.06	A	A
17	15.0	1.14	A	5.18	5.30	0.98	A	A
17	16.9	1.00	A	6.06	5.86	1.03	A	A
7	16.3	0.43	B	4.57	5.80	0.79	B	B
17	15.2	1.12	A	5.35	5.38	0.99	A	A
16	16.1	1.00	A	5.38	5.49	0.98	A	A
17	18.7	0.91	A	5.18	5.45	0.95	A	A
14	17.8	0.79	A	5.64	5.73	0.98	A	A
10	15.1	0.66	B	4.10	5.27	0.78	B	B
24	17.8	1.35	A	6.58	5.78	1.14	A	A
11	16.9	0.65	B	4.64	5.60	0.83	B	B
5	16.8	0.30	C	5.20	5.77	0.90	A	C
9	18.5	0.49	B	3.89	4.66	0.83	B	B
9	15.1	0.60	B	4.11	5.27	0.78	B	B
16	17.4	0.92	A	5.81	5.85	0.99	A	A
17	16.8	1.01	A	4.59	5.16	0.89	A	A
11	16.0	0.69	B	4.64	4.89	0.95	A	B
16	16.1	1.00	A	5.00	5.46	0.92	A	A
8	18.9	0.42	C	3.13	4.68	0.67	C	C
8	16.6	0.48	B	3.88	5.21	0.74	C	C
7	16.2	0.43	C	3.86	4.49	0.86	B	C
8	16.3	0.49	B	3.63	4.68	0.78	B	B
12	16.6	0.72	A	4.00	4.52	0.89	A	A
8	20.7	0.39	C	4.00	4.81	0.83	B	C
10	19.7	0.51	B	3.80	5.15	0.74	C	C
8	15.3	0.52	B	3.75	5.38	0.70	C	C
24	20.7	1.16	A	5.79	4.84	1.20	A	A
12	16.2	0.74	A	3.50	4.49	0.78	B	B
8	16.4	0.49	B	3.75	4.51	0.83	B	B

LUGG

Watercourse Name	Site Name	Score Observed
UN-NAMED WATERCOURSE	WIGMORE ROLLS	84
UN-NAMED WATERCOURSE	RHIW LAWR	22
UN-NAMED WATERCOURSE	CHECKLEY	56
UN-NAMED WATERCOURSE	CWM Y GERWYN	157
UN-NAMED WATERCOURSE	NASH SCAR	80
UN-NAMED WATERCOURSE	GWAUNCESTRE HILL	47
UN-NAMED WATERCOURSE	BLACK HILL	128
UN-NAMED WATERCOURSE	CWMYNACE	92
UN-NAMED WATERCOURSE	MAWN POOLS	136
UN-NAMED WATERCOURSE	BWLCH	84
UN-NAMED WATERCOURSE	BLACK YATT	77
UN-NAMED WATERCOURSE	DREAVOUR FARM	113
UN-NAMED WATERCOURSE	BEILIBEDW MAWN POOL	146
UN-NAMED WATERCOURSE	BIRCHER	59
UN-NAMED WATERCOURSE	CROWTHER'S POOL	87
UN-NAMED WATERCOURSE	MOSELEY COMMON	86
UN-NAMED WATERCOURSE	BLSDON	87
UN-NAMED WATERCOURSE	CRUNGOED	108
UN-NAMED WATERCOURSE	SILURIA	54
UN-NAMED WATERCOURSE	KNAPTON GREEN	54
UN-NAMED WATERCOURSE	WINSLOW GREEN	52
UN-NAMED WATERCOURSE	HOPE UNDER DINMORE	34
UN-NAMED WATERCOURSE	HEGDON HILL	26
UN-NAMED WATERCOURSE	PENTRE-DRAEN	98
UN-NAMED WATERCOURSE	LYNCH COURT	97
UN-NAMED WATERCOURSE	NEWHOUSE	75
SOUR BROOK	HOLME MARSH	106
UN-NAMED WATERCOURSE	NEW RADNOR	111
UN-NAMED WATERCOURSE	LOWER WOODBATCH	68
UN-NAMED WATERCOURSE	LOWER KINSHAM	84
UN-NAMED WATERCOURSE	HAWKHURST	113
UN-NAMED WATERCOURSE	HYATT SARNESFIELD	71
BLUE DITCH	MOUSENATCH	92
UN-NAMED WATERCOURSE	ELMS GREEN	26
UN-NAMED WATERCOURSE	THORNBY COURT	48
UN-NAMED WATERCOURSE	HOPE FARM	50
UN-NAMED WATERCOURSE	MARSH COURT	24
UN-NAMED WATERCOURSE	BUTTHOUSE	99
UN-NAMED WATERCOURSE	LOWER CHADNOR	33

Taxa				ASPT				Combined Band
Observed	Expected	EOI	Band	Observed	Expected	EOI	Band	
15	17.4	0.86	A	5.60	5.76	0.97	A	A
6	16.1	0.37	C	3.67	5.97	0.62	D	D
11	16.4	0.67	B	5.09	5.74	0.89	A	B
23	16.9	1.36	A	6.83	5.70	1.20	A	A
15	16.3	0.92	A	5.33	5.56	0.96	A	A
10	16.6	0.60	B	4.70	5.84	0.80	B	B
20	16.7	1.19	A	6.40	5.77	1.11	A	A
16	16.3	0.98	A	5.75	5.71	1.01	A	A
21	17.5	1.20	A	6.48	5.92	1.09	A	A
15	16.4	0.91	A	5.60	5.57	1.01	A	A
14	16.1	0.87	A	5.50	6.15	0.89	A	A
19	16.6	1.15	A	5.95	5.90	1.01	A	A
23	15.9	1.44	A	6.35	5.53	1.15	A	A
14	17.0	0.82	A	4.21	5.42	0.78	B	B
17	16.1	1.05	A	5.12	5.49	0.93	A	A
18	16.9	1.07	A	4.78	5.09	0.94	A	A
18	17.7	1.02	A	4.83	5.74	0.84	B	B
18	15.2	1.19	A	6.00	5.38	1.12	A	A
11	15.2	0.72	A	4.91	5.30	0.93	A	A
12	16.2	0.74	A	4.50	5.21	0.86	B	B
12	16.3	0.73	A	4.33	5.35	0.81	B	B
8	16.2	0.49	B	4.25	5.29	0.80	B	B
7	15.9	0.44	B	3.71	5.34	0.70	C	C
17	16.9	1.00	A	5.76	5.73	1.01	A	A
20	18.6	1.07	A	4.85	4.82	1.01	A	A
15	15.7	0.96	A	5.00	5.43	0.92	A	A
16	17.8	0.90	A	6.63	5.76	1.15	A	A
17	17.5	0.97	A	6.53	5.83	1.12	A	A
14	16.0	0.87	A	4.86	5.31	0.92	A	A
18	16.5	1.09	A	4.67	4.56	1.02	A	A
20	15.9	1.26	A	5.65	5.46	1.03	A	A
15	16.3	0.92	A	4.73	4.84	0.98	A	A
17	17.0	1.00	A	5.41	4.57	1.18	A	A
9	16.5	0.55	B	2.89	4.51	0.64	D	D
12	16.5	0.73	A	4.00	5.40	0.74	C	C
11	16.5	0.67	B	4.55	5.35	0.85	B	B
7	16.5	0.42	C	3.43	5.39	0.64	D	D
18	16.7	1.08	A	5.50	5.48	1.00	A	A
9	16.2	0.56	B	3.67	4.55	0.81	B	B

STOUR

Watercourse Name	Site Name	Score Observed
UN-NAMED WATERCOURSE	NOON HILL	46
UN-NAMED WATERCOURSE	WEST KNOYLE	53
UN-NAMED WATERCOURSE	MIDDLEMARSH	29
UN-NAMED WATERCOURSE	CRANBORNE COMMON	45
UN-NAMED WATERCOURSE	COCKROAD WOOD	103
UN-NAMED WATERCOURSE	FERNDOWN	23
UN-NAMED WATERCOURSE	CANNON HILL	20
UN-NAMED WATERCOURSE	HOLT HEATH	28
UN-NAMED WATERCOURSE	MARSH FARM	85
UN-NAMED WATERCOURSE	LYMBURGH'S FARM	13
UN-NAMED WATERCOURSE	BARROW LANE	62
UN-NAMED WATERCOURSE	STOUR ROW	31
UN-NAMED WATERCOURSE	STOUR PROVOST	21
UN-NAMED WATERCOURSE	WEST END	102
UN-NAMED WATERCOURSE	HAMMOND STREET FARM	71
UN-NAMED WATERCOURSE	KNACKERS' HOLE	39
UN-NAMED WATERCOURSE	GOLD HILL	35
UN-NAMED WATERCOURSE	LUGMARSH FARM	39
UN-NAMED WATERCOURSE	MARSH COURT	67
UN-NAMED WATERCOURSE	THORNHILL	43
UN-NAMED WATERCOURSE	BELCHALWELL	43
UN-NAMED WATERCOURSE	HAYS	40
UN-NAMED WATERCOURSE	SHARNHILL GREEN	42
UN-NAMED WATERCOURSE	BEDCHESTER	56
UN-NAMED WATERCOURSE	THE MIDDLES	81
UN-NAMED WATERCOURSE	RIVERS' CORNER	48
UN-NAMED WATERCOURSE	CANNING'S COURT	45
UN-NAMED WATERCOURSE	SHAPWICK	70
UN-NAMED WATERCOURSE	MILL FARM	27
UN-NAMED WATERCOURSE	LITTLE PAMPHILL	66
UN-NAMED WATERCOURSE	WILKIN THROOP	101
UN-NAMED WATERCOURSE	SEDGEHILL	54
UN-NAMED WATERCOURSE	EAST STOUR	39
UN-NAMED WATERCOURSE	CHARNAGE	49
UN-NAMED WATERCOURSE	HOLTWOOD FARM	14
UN-NAMED WATERCOURSE	WITCHAMPTON	112
UN-NAMED WATERCOURSE	WIMBORNE ST.GILES	113
UN-NAMED WATERCOURSE	WHITE KENNELS	63

Observed	Expected	Taxa EOI	Band	Observed	Expected	ASPT EOI	Band	Combined Band
9	18.2	0.50	B	5.11	5.55	0.92	A	B
11	15.3	0.72	A	4.82	5.27	0.91	A	A
8	16.5	0.48	B	3.63	5.40	0.67	C	C
8	17.3	0.46	C	5.63	4.71	1.20	A	C
19	16.2	1.17	A	5.42	5.36	1.01	A	A
6	16.3	0.37	C	3.83	4.50	0.85	B	C
4	16.2	0.25	C	5.00	4.54	1.10	A	C
7	16.2	0.43	C	4.00	4.49	0.89	A	C
16	16.2	0.99	A	5.31	5.52	0.96	A	A
4	16.5	0.24	C	3.25	4.55	0.71	C	C
13	16.3	0.80	A	4.77	5.42	0.88	B	B
8	16.1	0.50	B	3.88	4.90	0.79	B	B
6	16.1	0.37	C	3.50	5.36	0.65	D	D
21	16.5	1.28	A	4.86	4.51	1.08	A	A
15	16.3	0.92	A	4.73	5.34	0.89	A	A
9	17.7	0.51	B	4.33	5.38	0.80	B	B
8	16.9	0.47	B	4.38	5.38	0.81	B	B
9	16.0	0.56	B	4.33	5.44	0.80	B	B
16	16.1	0.99	A	4.19	4.60	0.91	A	A
11	18.7	0.59	B	3.91	5.16	0.76	C	C
10	17.0	0.59	B	4.30	5.60	0.77	B	B
10	15.7	0.64	B	4.00	5.36	0.75	C	C
10	18.2	0.55	B	4.20	5.75	0.73	C	C
14	15.8	0.89	A	4.00	5.34	0.75	C	C
17	17.2	0.99	A	4.76	5.59	0.85	B	B
10	17.7	0.57	B	4.80	5.64	0.85	B	B
12	18.2	0.66	B	3.75	5.61	0.67	C	C
16	16.5	0.97	A	4.38	4.51	0.97	A	A
8	16.5	0.49	B	3.38	5.50	0.61	D	D
14	16.4	0.85	A	4.71	5.43	0.87	B	B
19	15.7	1.21	A	5.32	5.31	1.00	A	A
12	15.1	0.80	A	4.50	5.18	0.87	B	B
11	17.2	0.64	B	3.55	5.33	0.67	C	C
11	15.6	0.71	B	4.45	5.27	0.84	B	B
5	16.6	0.30	C	2.80	5.40	0.52	D	D
21	20.8	1.01	A	5.33	4.83	1.10	A	A
23	20.3	1.13	A	4.91	4.91	1.00	A	A
13	20.4	0.64	B	4.85	4.90	0.99	A	B

Appendix VI Environmental characteristics of each of the 131 stage 3 sites.

CAM

Site Name	Water width	Mean Depth	Velocity	Rock pave.	Boulders Cobbles	Pebbles Gravel	Sand	Silt Clay	Altitude	Distance	Slope	Mean air temp.	Air temp range	Latitude	Longitude
HARCAMLOW WAY	0.4	6.0	2	0	0	0	0	100	56	0.7	16.7	9.92	13.60	52.20	0.00
NEAR WHADDON	1.0	43.3	1	0	0	0	0	100	25	0.5	3.0	9.95	13.57	52.10	0.05
EXNING	3.0	30.0	1	0	10	90	0	0	18	0.8	2.4	9.85	13.67	52.25	-0.37
CROYDEN	0.5	14.3	1	0	0	0	0	100	29	0.5	6.7	9.95	13.58	52.12	0.07
TRINITY CONDUIT	1.8	22.0	1	0	0	0	0	100	16	0.8	3.6	9.90	13.60	52.22	-0.07
HARLTON	0.9	7.7	1	0	0	0	0	100	28	0.7	5.6	9.93	13.59	52.15	0.00
BOWSERS	0.9	13.0	1	0	0	5	0	95	78	1.4	16.7	9.95	13.50	52.05	-0.28
CHURCH END	1.1	5.3	2	0	0	95	0	5	77	1.1	14.3	9.95	13.50	52.05	-0.28
LONGSTOWE	0.8	8.3	2	0	0	20	0	80	60	0.5	11.1	9.95	13.60	52.17	0.08
EAST HATLEY	0.6	7.3	2	0	0	5	0	95	64	1.3	9.1	9.95	13.59	52.12	0.10
REACH	1.6	53.7	1	0	0	0	0	100	9	0.5	2.5	9.85	13.65	52.25	-0.28
POOR'S FEN	1.2	28.0	1	0	0	0	0	100	3	0.7	3.6	9.82	13.62	52.28	-0.30
HIGHBRIDGE FARM	1.4	20.7	1	0	0	0	0	100	3	1.0	3.1	9.85	13.64	52.27	-0.27
GILL'S HILL	1.1	17.7	1	0	0	90	0	10	38	0.6	7.1	9.94	13.60	52.18	0.05
NORTH END	1.1	17.7	1	0	0	0	0	100	30	0.8	4.8	9.94	13.52	52.05	0.10

DERWENT

Site Name	Water width	Mean Depth	Velocity	Rock pave.	Boulders Cobbles
LOW MUFFLES	1.0	13.3	1	0	40
WHITE HOUSE	0.8	5.3	1	20	56
HIGH DALES	1.0	1.0	2	0	1
NORTH SIDE	0.8	4.7	1	0	34
BLAKEY TOPPING	1.0	7.3	2	0	90
PROD HILLS	0.5	12.0	2	0	86
HAZEL GREEN	0.4	15.0	1	60	0
SPAUNTON MOOR	0.9	6.0	1	0	60
SLAPE WATH MOOR	0.5	1.0	1	80	35
FYLINGDALES MOOR	1.0	6.7	1	0	70
HAGG HOUSE	0.6	3.3	1	0	40
HOLE OF HORCAM	0.5	3.7	1	20	0
LOCKER WOOD	1.0	5.0	2	0	35
LOWNA	0.5	20.7	1	0	35
HIGH HORCAM	0.3	1.3	1	0	0
PLACE NEWTON	1.9	6.7	2	0	2
LAIRS	2.3	20.7	2	0	5
PEAT RIGG	0.9	5.7	1	0	5
COULTON	0.5	4.0	1	0	0
COCK FLAT	1.3	3.7	3	0	20
EBBERSTON	2.2	10.3	2	0	1
CROSS HOLME	0.5	7.3	3	0	25
FOLKTON CARR	0.3	7.3	1	0	0
SAINTOFT BROW	0.4	5.7	1	0	0
SPOUT HOUSE	1.0	7.3	2	0	45
SCAGGLETHORPE	0.3	4.7	2	0	0
LOW GATERLEY	0.4	4.7	1	0	0
SNARGATE	1.7	4.7	3	0	20
GREAT WEST WOOD	1.2	2.3	1	0	0
SOMMERFIELD	0.3	1.3	1	0	0
FANGFOSS GRANGE	1.5	14.0	1	0	0
FULL SUTTON	0.4	3.0	1	0	0
SUTTON WOOD	0.5	5.3	1	0	0
WARREN HOUSE	0.5	3.3	1	0	0
THORNTON LE CLAY	0.6	5.7	1	0	8
ALDMOOR	0.3	3.0	1	0	0
WOMBLETON	3.2	32.7	2	0	5
MINSTER WAY	1.5	20.0	1	0	0
THORNTON	1.1	9.7	1	0	0

Pebbles Gravel	Sand	Silt Clay	Altitude	Distance	Slope	Mean air temp.	Air temp range	Latitude	Longitude
57	0	3	220	0.4	50.0	9.49	12.02	54.33	0.82
38	2	4	223	0.6	50.0	9.50	12.01	54.35	0.82
92	6	1	140	0.4	50.0	9.48	11.88	54.32	0.53
10	1	55	110	0.6	50.0	9.49	11.95	54.32	0.60
8	0	2	208	1.0	50.0	9.49	11.95	54.33	0.65
2	0	12	250	0.5	66.7	9.40	12.47	54.35	0.30
0	0	100	180	0.5	133.3	9.43	12.37	54.32	0.15
35	0	5	290	0.4	80.0	9.49	12.17	54.33	0.90
15	0	50	345	0.2	100.0	9.44	12.29	54.37	0.17
20	5	5	190	0.3	66.7	9.49	11.74	54.38	0.58
10	5	45	190	0.3	100.0	9.42	12.33	54.37	0.18
6	0	94	215	0.3	66.7	9.49	11.97	54.32	0.68
60	2	3	210	0.6	100.0	9.37	12.61	54.33	0.32
0	0	65	135	0.7	66.7	9.46	12.32	54.30	0.93
14	43	43	215	0.6	40.0	9.49	11.97	54.32	0.68
63	30	5	53	0.4	20.0	9.46	12.43	54.13	0.63
25	35	35	52	1.0	8.3	9.48	12.94	53.93	0.67
60	0	35	116	1.3	10.0	9.47	12.17	54.28	0.82
0	0	100	78	0.8	33.3	9.42	12.57	54.15	0.12
65	10	5	178	1.0	33.3	9.42	12.33	54.38	0.23
40	55	4	34	1.0	16.7	9.44	12.19	54.22	0.62
50	0	25	160	0.4	100.0	9.42	12.35	54.37	0.22
0	0	100	30	0.5	0.1	9.44	11.92	54.20	0.38
2	0	98	124	0.6	14.3	9.46	12.16	54.28	0.77
40	0	15	173	0.8	66.7	9.49	12.18	54.38	0.10
40	0	60	23	0.8	6.7	9.45	12.44	54.15	0.72
0	0	100	39	0.6	5.0	9.44	12.49	54.12	0.87
0	40	40	78	1.2	10.0	9.40	12.71	54.13	0.17
0	0	100	10	0.2	0.1	9.41	13.06	53.87	0.87
0	0	100	33	1.1	2.9	9.43	12.45	54.22	0.97
0	0	100	17	0.9	1.8	9.47	12.90	53.95	0.85
0	0	100	22	1.2	5.6	9.46	12.88	53.98	0.85
0	0	100	9	0.8	0.1	9.43	13.03	53.92	0.92
0	50	50	12	0.7	0.1	9.44	13.03	53.90	0.83
80	0	12	29	0.7	2.6	9.43	12.68	54.08	0.95
0	50	50	55	0.7	40.0	9.45	12.59	54.07	0.80
25	20	50	36	0.8	1.8	9.43	12.41	54.23	0.95
0	0	100	17	1.2	3.3	9.46	12.91	53.98	0.88
0	0	100	9	1.0	0.1	9.43	13.04	53.88	0.85

LUGG

Site Name	Water width	Mean Depth	Velocity	Rock pave.	Boulders Cobbles
WIGMORE ROLLS	1.1	4.3	2	10	17
RHIW LAWR	1.1	13.3	1	0	55
CHECKLEY	0.8	2.0	2	0	75
CWM Y GERWYN	1.0	2.7	2	0	10
NASH SCAR	0.8	3.0	2	0	10
GWAUNCESTRE HILL	0.8	3.3	2	0	60
BLACK HILL	0.6	3.7	2	0	60
CWMYNACB	0.5	3.3	2	0	10
MAWN POOLS	1.4	12.0	2	0	50
BWLCH	0.9	2.3	3	0	10
BLACK YATT	0.8	6.7	1	20	94
DREAVOUR FARM	1.2	5.7	3	0	70
BEILIBEDW MAWN POOL	0.9	7.7	2	0	0
BIRCHER	0.5	5.7	2	0	10
CROWTHER'S POOL	1.1	9.3	1	0	5
MOSELEY COMMON	1.0	6.0	1	0	10
ELSDON	2.0	4.7	3	0	25
CRUNGOED	1.0	3.0	2	0	30
SILURIA	0.7	5.0	1	0	0
KNAPTON GREEN	1.2	3.0	1	0	0
WINSLOW GREEN	0.5	2.3	1	0	0
HOPE UNDER DINMORE	0.7	6.3	1	0	0
HEGDON HILL	1.5	2.7	2	0	0
PENTRE-DRAEN	1.0	4.3	2	0	5
LYNCH COURT	2.3	21.3	1	0	5
NEWHOUSE	0.5	2.0	2	0	10
HOLME MARSH	0.9	5.7	2	0	20
NEW RADNOR	1.0	8.0	3	0	40
LOWER WOODBATCH	1.1	6.7	1	0	0
LOWER KINSHAM	1.8	21.0	2	0	0
HAWKHURST	0.6	3.3	2	0	10
HYATT SARNESFIELD	1.1	7.0	3	0	0
MOUSENATCH	3.8	12.3	1	0	0
ELMS GREEN	4.0	45.7	1	0	0
THORNBYS COURT	0.8	3.7	2	0	10
HOPE FARM	0.6	1.7	1	0	0
MARSH COURT	0.4	1.3	1	60	13
BUTTHOUSE	0.8	2.3	3	0	1
LOWER CHADNOR	2.0	27.3	1	0	0

Pebbles Gravel	Sand	Silt Clay	Altitude	Distance	Slope	Mean air temp.	Air temp range	Latitude	Longitude
73	0	11	183	0.7	50.0	10.11	12.73	52.30	1.08
45	0	0	330	1.2	50.0	10.16	12.54	52.27	0.45
20	0	5	105	0.5	200.0	10.23	12.57	52.03	0.78
80	0	10	320	0.8	66.7	10.16	12.50	52.28	0.48
75	10	5	174	0.5	66.7	10.15	12.71	52.25	0.32
40	0	0	445	0.6	50.0	10.13	12.41	52.18	0.50
30	0	10	436	0.4	100.0	10.13	12.37	52.15	0.50
85	0	5	350	0.4	100.0	10.14	12.50	52.17	0.45
35	0	15	400	1.0	66.7	10.13	12.36	52.15	0.50
50	0	40	345	0.8	100.0	10.14	12.44	52.17	0.47
6	0	0	360	0.5	200.0	10.13	12.50	52.20	0.48
25	0	5	385	0.4	200.0	10.13	12.38	52.15	0.48
60	30	10	360	0.5	33.3	10.13	12.49	52.18	0.48
50	0	50	102	1.0	20.0	10.06	12.74	52.28	0.95
30	0	65	285	0.5	50.0	10.13	12.47	52.12	0.43
15	0	85	99	1.0	3.3	10.11	12.81	52.22	1.10
65	7	3	160	0.7	20.0	10.11	12.75	52.18	1.18
60	0	10	257	0.1	57.1	10.15	12.51	52.33	0.48
0	0	100	217	0.3	33.3	10.15	12.61	52.22	0.42
0	0	100	96	0.4	8.3	10.10	12.75	52.17	1.00
0	0	100	177	0.6	16.7	10.13	12.72	52.20	0.72
0	0	100	92	1.2	30.8	10.09	12.68	52.17	0.92
0	0	100	156	0.7	50.0	10.12	12.69	52.17	0.78
65	0	30	280	1.1	100.0	10.14	12.55	52.15	0.40
20	0	75	87	1.3	3.3	10.09	12.80	52.22	1.05
65	0	25	257	0.3	33.3	10.15	12.55	52.18	0.43
70	5	5	133	0.6	25.0	10.11	12.78	52.18	1.13
45	10	5	270	0.7	100.0	10.15	12.57	52.23	0.45
0	0	100	174	0.7	25.0	10.12	12.74	52.30	1.10
0	0	100	129	0.4	2.5	10.12	12.75	52.27	1.13
60	0	30	165	0.3	66.7	10.11	12.69	52.18	0.77
0	0	100	97	0.6	5.0	10.11	12.78	52.13	1.10
5	0	95	77	0.5	2.3	10.08	12.77	52.23	0.97
0	0	100	68	0.6	0.8	10.09	12.73	52.20	0.92
10	0	80	167	0.7	16.7	10.09	12.73	52.23	0.75
0	0	100	186	0.7	8.3	10.12	12.73	52.22	0.70
13	0	74	145	0.6	50.0	10.12	12.68	52.15	0.82
95	0	4	121	0.4	8.3	10.10	12.73	52.13	1.02
0	0	100	96	0.5	8.3	10.10	12.80	52.17	1.02

STOUR

Site Name	Water width	Mean Depth	Velocity	Rock pave.	Boulders Cobbles
NOON HILL	0.6	17.0	1	0	0
WEST KNOYLE	0.9	5.3	2	0	0
MIDDLEMARSH	0.5	2.0	1	0	0
CRANBORNE COMMON	1.9	35.3	1	0	0
COCKROAD WOOD	0.9	8.0	1	0	0
FERNDOWN	2.5	14.0	1	0	0
CANNON HILL	1.0	9.0	1	0	0
HOLT HEATH	0.7	27.7	1	0	0
MARSH FARM	0.9	5.7	3	0	0
LYMBURGH'S FARM	3.0	5.3	1	0	0
BARROW LANE	0.5	2.3	1	0	35
STOUR ROW	0.4	10.0	1	0	0
STOUR PROVOST	0.5	4.7	1	0	0
WEST END	2.4	26.3	1	0	0
HAMMOND STREET	0.8	6.3	1	0	0
KNACKERS' HOLE	1.5	31.0	1	0	0
GOLD HILL	0.3	1.3	1	0	0
LUGMARSH FARM	1.0	16.7	1	0	0
MARSH COURT	1.4	19.0	1	0	1
THORNHILL	0.7	5.7	1	0	15
BELCHALWELL	0.9	5.0	1	0	0
HAYS	0.4	1.3	1	0	0
SHARNHILL GREEN	0.7	9.0	1	0	30
BEDCHESTER	1.2	6.7	1	0	0
THE MIDDLES	0.8	5.7	2	0	0
RIVERS' CORNER	0.9	5.7	1	0	1
CANNING'S COURT	0.9	3.3	3	0	5
SHAPWICK	2.5	34.7	1	0	0
MILL FARM	1.1	6.7	3	0	0
LITTLE PAMPHILL	0.8	2.3	1	0	0
WILKIN THROOP	0.5	3.7	3	0	1
SEDGEHILL	0.8	10.0	2	0	0
EAST STOUR	0.7	1.3	2	0	5
CHARNAGE	0.8	7.3	1	0	0
HOLTWOOD FARM	0.5	3.7	1	0	0
WITCHAMPTON	2.7	37.0	1	0	0
WIMBORNE ST. GILES	4.8	45.7	3	0	3
WHITE KENNELS	3.0	26.0	1	0	5

Pebbles Gravel	Sand	Silt Clay	Altitude	Distance	Slope	Mean air temp.	Air temp range	Latitude	Longitude
25	60	15	31	1.4	12.5	10.56	12.44	50.87	0.93
0	0	100	129	1.2	40.0	10.34	12.42	51.08	0.38
70	0	30	102	0.5	40.0	10.52	12.04	50.85	0.67
60	0	40	50	0.6	9.1	10.55	12.48	50.90	0.93
20	0	80	130	0.8	66.7	10.35	12.35	51.08	0.55
0	0	100	19	0.6	1.4	10.61	12.28	50.80	0.98
0	0	100	29	0.7	12.5	10.62	12.27	50.80	1.02
0	0	100	16	1.3	1.3	10.61	12.29	50.82	1.00
90	5	5	82	0.4	40.0	10.55	12.02	50.87	0.50
0	0	100	56	0.7	2.7	10.52	12.24	50.97	0.47
5	0	60	109	0.4	40.0	10.34	12.36	51.08	0.58
5	0	95	67	0.5	7.7	10.48	12.30	50.98	0.45
10	40	50	72	0.6	11.1	10.48	12.27	50.98	0.48
0	0	100	27	0.7	0.6	10.60	12.11	50.82	0.32
25	0	75	92	0.6	20.0	10.54	12.05	50.85	0.57
70	0	30	74	0.8	14.3	10.55	12.13	50.88	0.50
65	0	35	48	0.8	10.0	10.56	12.14	50.92	0.45
50	0	50	117	0.3	50.0	10.34	12.41	51.07	0.38
0	0	99	65	1.0	7.1	10.42	12.22	51.02	0.57
10	10	65	60	0.5	11.1	10.53	12.15	50.92	0.57
80	10	10	96	0.9	33.3	10.55	12.07	50.88	0.48
30	0	70	113	0.2	50.0	10.38	12.33	51.05	0.37
60	0	10	113	0.8	16.7	10.53	12.01	50.83	0.60
10	80	10	69	0.8	7.7	10.53	12.27	50.95	0.40
90	0	10	119	0.7	25.0	10.34	12.40	51.08	0.42
95	0	4	58	0.8	16.7	10.55	12.17	50.90	0.50
80	10	5	88	1.2	7.7	10.54	12.06	50.87	0.60
0	0	100	26	0.5	0.8	10.60	12.11	50.82	0.30
80	0	20	63	0.6	33.3	10.56	12.11	50.88	0.45
90	0	10	23	0.8	25.0	10.61	12.20	50.80	0.20
1	0	98	114	0.7	28.6	10.45	12.13	51.00	0.63
0	0	100	105	0.1	14.3	10.37	12.34	51.03	0.40
50	0	45	79	0.6	5.9	10.45	12.32	51.00	0.47
1	5	94	119	0.4	11.1	10.33	12.41	51.08	0.43
50	0	50	90	0.6	40.0	10.52	12.11	50.92	0.62
50	45	5	29	1.3	1.6	10.61	12.28	50.83	0.22
90	0	7	55	1.2	2.8	10.55	12.48	50.92	1.05
72	0	23	70	0.5	5.0	10.56	12.30	50.90	0.28

Appendix VII Alkalinity ($\text{mg l}^{-1} \text{CaCO}_3$) and nitrate ($\text{mg l}^{-1} \text{NO}_3$) values for the 131 Stage 3 sites.

RIVER CAM

Watercourse name	Site name	Alk'y	Nit
Un-named watercourse	Harcamlow Way	325.0	3.91
Un-named watercourse	Near Whaddon	199.5	0.39
Un-named watercourse	Exning	250.0	12.80
Un-named watercourse	Croyden	319.5	18.90
Un-named watercourse	Trinity Conduit	271.5	6.27
Un-named watercourse	Hariton	292.0	7.41
Un-named watercourse	Bowers	293.5	5.07
Un-named watercourse	Church End	342.0	2.60
Un-named watercourse	Longstowe	194.5	2.77
Un-named watercourse	East Hatley	371.0	16.00
Un-named watercourse	Reach	209.0	9.23
Un-named watercourse	Poors' Fen	403.0	0.00
Un-named watercourse	Highbridge Farm	228.5	4.43
Un-named watercourse	Gill's Hill	279.5	5.62
Un-named watercourse	North End	254.5	2.79

RIVER DERWENT

Watercourse name	Site name	Alk'y	Nitrate
Muffles Dike	Low Muffles	1.5	2.36
White Mires Dike	White House	15.5	0.55
Oak Rigg Gill	High Dales	79.5	0.16
Un-named watercourse	North Side	0.0	0.01
Grain Beck	Blakey Topping	1.5	0.00
Mickle Sike	Prod Hills	3.0	0.00
Un-named watercourse	Hazel Green	0.5	0.00
Loskey Beck	Spaunton Moor	0.0	0.00
Un-named watercourse	Slape Wath Moor	1.5	0.00
Mucky Hole Slack	Fylingdales Moor	10.0	0.03
Un-named watercourse	Hagg House	13.0	0.00
Un-named watercourse	Hole of Horcam	80.0	0.10
Locker Beck	Locker Wood	50.5	0.68
Shortsha Beck	Lowna	0.0	0.00
Un-named watercourse	High Horcam	75.0	0.21
Un-named watercourse	Place Newton	170.0	16.30
The Washdike	Lairs	164.5	9.90
Sutterland Beck	Peat Rigg	59.0	5.07
Un-named watercourse	Coulton	97.0	33.90
Un-named watercourse	Cock Flat	35.5	0.08
Bloody Beck	Ebberston	162.5	7.37
Un-named watercourse	Cross Holme	4.5	0.29
Un-named watercourse	Folkton Carr	224.0	0.38
Gundale Beck	Saintoft Brow	59.5	2.19
Un-named watercourse	Spout House	13.5	0.22
Un-named watercourse	Scagglethorpe	216.5	3.98
Un-named watercourse	Low Gaterley	173.5	4.85
Un-named watercourse	Snargate	199.0	11.00
Charity Drain	Great West Wood	402.5	0.03
Un-named watercourse	Sommerfield	211.5	0.32
Un-named watercourse	Fangfoas Grange	229.0	1.55
Winter Beck	Full Sutton	435.0	34.15
Un-named watercourse	Sutton Wood	230.5	36.05
Un-named watercourse	Warren House	204.5	3.71
Un-named watercourse	Thornton le Clay	259.5	0.00
Mill Beck	Aldmoor	133.0	17.90
Keld Spring Beck	Wombleton	202.0	6.49
Millsike Beck	Minster Way	220.5	8.75
Black Dike	Thornton	131.5	11.55

RIVER LUGG

Watercourse name	Site name	Alt'y	Nit
Un-named watercourse	Wigmore Rolls	223.5	1.13
Un-named watercourse	Rhiw Lawr	52.5	0.99
Un-named watercourse	Checkley	194.0	0.26
Un-named watercourse	Cwm y Gerwyn	91.0	1.13
Un-named watercourse	Nash Scar	161.5	0.82
Un-named watercourse	Gwauncestre Hill	20.5	0.04
Un-named watercourse	Black Hill	21.0	0.00
Un-named watercourse	Cwmynace	50.5	0.13
Un-named watercourse	Mawn Pools	42.5	0.07
Un-named watercourse	Bwlch	53.0	2.55
Un-named watercourse	Black Yatt	27.5	0.38
Un-named watercourse	Dreavour Farm	22.0	0.05
Un-named watercourse	Beilibedw Mawn Pool	24.0	0.00
Un-named watercourse	Bircher	137.0	4.83
Un-named watercourse	Crowther's Pool	111.5	2.55
Un-named watercourse	Moseley Common	215.5	6.81
Un-named watercourse	Elsdon	181.0	8.00
Un-named watercourse	Crungoed	155.0	3.38
Un-named watercourse	Siluria	121.5	0.00
Un-named watercourse	Knaption Green	252.0	11.00
Un-named watercourse	Winslow Green	291.5	2.16
Un-named watercourse	Hope Under Dinmore	240.5	8.40
Un-named watercourse	Hegdon Hill	257.5	3.98
Un-named watercourse	Pentre-draen	59.0	2.27
Un-named watercourse	Lynch Court	159.0	6.81
Un-named watercourse	Newhouse	62.5	0.33
Un-named watercourse	Holme Marsh	190.5	7.94
Un-named watercourse	New Radnor	88.5	1.90
Un-named watercourse	Lower Woodhatch	243.5	2.59
Un-named watercourse	Lower Kinsham	140.0	8.13
Un-named watercourse	Hawkhurst	243.5	7.78
Un-named watercourse	Hyatt Sarnesfield	236.0	8.55
Un-named watercourse	Mousenatch	162.5	5.31
Un-named watercourse	Elms Green	196.5	7.17
Un-named watercourse	Thornby Court	247.0	7.84
Un-named watercourse	Hope Farm	260.5	7.67
Un-named watercourse	Marsh Court	311.0	4.22
Un-named watercourse	Butthouse	259.5	9.90
Un-named watercourse	Lower Chadnor	241.5	18.40

RIVER STOUR

Watercourse name	Site name	Alt'y	Nm
Un-named watercourse	Noon Hill	0.0	0.04
Un-named watercourse	West Knoyle	150.5	0.46
Un-named watercourse	Middlemarsh	42.0	0.32
Un-named watercourse	Cranborne Common	23.0	1.47
Un-named watercourse	Cockroad Wood	77.5	1.66
Un-named watercourse	Ferndown	2.0	0.00
Un-named watercourse	Cannon Hill	1.0	2.75
Un-named watercourse	Holt Heath	1.5	0.00
Un-named watercourse	Marsh Farm	174.5	4.77
Un-named watercourse	Lymburghs Farm	644.0	0.00
Un-named watercourse	Barrow Lane	232.5	1.43
Un-named watercourse	Stour Row	359.5	3.84
Un-named watercourse	Stour Provost	334.0	4.72
Un-named watercourse	West End *	240.5	7.87
Un-named watercourse	Hammond Street Farm	322.5	1.56
Un-named watercourse	Knackers' Hole	260.5	2.96
Un-named watercourse	Gold Hill	222.5	0.89
Un-named watercourse	Lugmarsh Farm	102.0	1.84
Un-named watercourse	Marsh Court	231.0	0.28
Un-named watercourse	Thornhill	319.0	1.97
Un-named watercourse	Belchalwell	223.5	8.79
Un-named watercourse	Hays	96.5	25.60
Un-named watercourse	Sharnhill Green	248.5	1.85
Un-named watercourse	Bedchester	237.5	5.53
Un-named watercourse	The Middles	209.0	2.35
Un-named watercourse	Rivers' Corner	276.0	4.38
Un-named watercourse	Canning's Court	244.0	1.43
Un-named watercourse	Shapwick *	251.5	9.00
Un-named watercourse	Mill Farm	242.0	0.00
Un-named watercourse	Little Pamphill	89.0	8.74
Un-named watercourse	Wilkin Throop	273.5	0.50
Un-named watercourse	Sedgehill	68.0	0.99
Un-named watercourse	East Stour	219.0	2.44
Un-named watercourse	Charnage	192.0	9.86
Un-named watercourse	Holtwood Farm	302.5	3.72
Un-named watercourse	Witchampton	254.5	8.79
Un-named watercourse	Wimborne St.Giles	204.5	6.15
Un-named watercourse	White Kennels	231.5	7.48

RIVER DERWENT

Site Name	INLAND WATERS	PASTURE/AMENITY TURF	MEADOWS/VERGES/SWARDS	MARSH/ROUGH GRASSLAND	MONTANE/HILL GRASS	UPLAND DWARF SHRUB/MOORLAND	BRACKEN	SCRUB/ORCHARD	DECIDUOUS WOOD	EVERGREEN WOOD	ARABLE LAND	RUTERAL WEEDS	SUBURBAN/FARMS	URBAN/INDUSTRIAL	BARE GROUND	FELLED FOREST	LOWLAND BOGS	ALL CLASSIFIED LAND	UNCLASSIFIED LAND	ALL LAND
LOW MUFFLES	0.0	0.0	5.2	0.0	0.0	0.2	0.0	0.0	0.0	56.8	0.0	0.0	0.3	0.0	0.0	5.5	0.0	68.0	0.0	68.0
WHITE HOUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	76.2	0.0	0.0	0.1	0.0	0.0	0.5	0.0	77.2	0.0	77.2
HIGH DALES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	27.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.7	0.0	28.7
NORTH SIDE	0.0	7.2	0.0	0.0	0.0	1.0	0.0	0.0	1.0	52.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.2	0.0	61.2
BLAKEY TOPPING	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	82.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.8	0.0	90.8
PROD HILLS	0.0	0.0	0.0	0.0	4.9	38.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.2	0.0	45.2
HAZEL GREEN	0.0	0.0	0.0	0.0	1.7	37.7	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5	0.0	42.5
SPAUNTON MOOR	0.0	0.0	0.0	0.0	0.0	65.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	67.0	0.0	67.0
SLAPE WATH MOOR	0.0	0.0	0.0	0.0	0.0	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3	0.0	17.3
FYLINGDALES MOOR	0.0	0.0	0.0	0.0	0.0	58.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.5	0.0	58.5
HAGG HOUSE	0.0	1.1	4.2	0.0	0.0	8.5	4.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	18.0
HOLE OF HORCAM	0.0	1.4	0.0	0.0	0.0	0.0	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.2	0.0	21.2
LOCKER WOOD	0.0	0.0	0.0	0.0	0.0	14.6	4.3	0.0	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.3	0.0	32.3
LOWNA	0.0	0.0	0.0	0.0	0.0	44.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.2	0.0	44.2
HIGH HORCAM	0.0	15.3	0.0	0.0	0.0	1.2	6.9	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	0.0	27.4
PLACE NEWTON	0.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	7.4	0.0	18.1	0.0	0.0	0.0	0.0	0.0	0.0	35.1	0.0	35.1
LAIRS	0.4	91.2	4.8	0.0	0.0	0.0	0.0	0.0	8.4	0.0	24.7	0.0	14.4	0.0	0.0	0.0	0.0	143.9	0.0	143.9
PEAT RIGG	0.0	18.9	9.1	0.0	0.0	0.0	0.0	4.1	18.8	14.8	12.9	0.0	0.5	0.0	0.0	0.0	0.0	79.1	0.0	79.1
COULTON	0.0	27.7	0.0	0.0	0.0	0.0	0.0	0.0	1.5	17.1	16.0	0.0	1.1	0.0	0.0	0.0	0.0	63.4	0.0	63.4
COCK FLAT	0.0	7.2	5.1	0.0	3.3	1.2	2.3	0.0	0.8	2.9	0.0	0.0	0.3	0.0	0.0	0.0	0.0	23.1	0.0	23.1
EBBERSTON	0.1	40.5	0.2	0.9	0.0	0.0	0.0	4.3	7.9	0.0	25.4	0.0	3.6	0.0	0.0	0.0	0.0	82.9	0.4	83.3
CROSS HOLME	0.0	8.3	0.0	0.0	0.0	6.1	12.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.7	0.0	26.7
FOLKTON CARR	0.0	24.5	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	37.8	0.0	37.8
SAINTOFT BROW	0.0	12.0	1.1	0.0	0.0	0.5	7.6	0.0	16.5	0.0	29.3	0.0	1.2	0.0	0.0	0.0	0.0	68.2	0.0	68.2
SPOUT HOUSE	0.0	19.8	0.0	0.0	0.0	50.9	0.0	0.0	0.0	0.0	0.5	0.0	0.4	0.0	0.0	0.0	0.8	72.4	0.0	72.4
SCAGGLETHORPE	0.0	16.8	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	33.2	0.0	0.6	0.0	0.0	0.0	0.0	50.9	0.0	50.9
LOW GATERLEY	0.0	1.1	0.0	0.3	0.0	0.0	0.0	0.0	11.4	3.2	38.4	0.0	0.0	0.0	0.0	0.0	0.0	54.4	0.0	54.4
SNARGATE	0.0	20.1	0.0	0.0	0.0	0.0	0.0	0.4	16.2	0.5	27.4	0.0	4.5	0.0	0.0	0.0	0.0	69.1	0.0	69.1
GREAT WEST WOOD	0.0	74.3	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	25.4	0.0	8.1	0.0	0.0	3.5	0.0	116.6	0.0	116.6
SOMMERFIELD	0.0	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.7	0.0	0.0	0.0	0.0	0.0	0.0	34.5	0.0	34.5
FANGFOSS GRANGE	0.2	9.9	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	33.5	0.0	1.4	0.0	0.0	0.0	0.0	51.4	0.0	51.4
FULL SUTTON	0.0	3.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	109.2	0.0	1.8	0.0	0.0	0.0	0.0	117.2	0.0	117.2
SUTTON WOOD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	12.9	84.3	0.0	0.0	0.0	0.0	0.0	0.0	98.5	0.0	98.5
WARREN HOUSE	0.0	0.0	8.1	0.0	0.0	0.0	0.0	0.0	4.7	24.5	47.2	0.0	2.5	0.0	0.0	0.0	0.0	87.0	0.0	87.0
THORNTON LE CLAY	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	67.6	0.0	0.3	0.0	0.0	0.0	0.0	91.8	0.0	91.8
ALDMOOR	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.0	43.8	0.0	0.0	0.0	0.0	0.0	0.0	47.4	0.0	47.4
WOMBLETON	0.4	20.3	0.7	0.0	0.0	0.0	0.0	0.0	0.4	0.4	30.9	0.0	7.8	0.0	0.0	0.0	0.0	60.9	0.1	61.0
MINSTER WAY	1.2	10.6	0.5	0.0	0.0	0.0	0.0	0.3	2.1	0.0	78.7	0.0	1.5	0.0	0.0	0.0	0.0	94.9	0.3	95.2
THORNTON	0.0	29.8	21.7	0.0	0.0	0.0	0.0	0.0	2.5	0.6	25.7	0.0	1.4	0.0	0.0	0.0	0.0	81.7	0.0	81.7

RIVER LUGG

Site Name	INLAND WATERS	PASTURE/AMENITY TURF	MEADOWS/VERGES/SWARDS	MARSH/ROUGH GRASSLAND	MONTANE/HILL GRASS	UPLAND DWARF SHRUB/MOORLAND	BRACKEN	SCRUB/ORCHARD	DECIDUOUS WOOD	EVERGREEN WOOD	ARABLE LAND	RUTERAL WEEDS	SUBURBAN/FARMS	URBAN/INDUSTRIAL	BARE GROUND	FELLED FOREST	LOWLAND BOGS	ALL CLASSIFIED LAND	UNCLASSIFIED LAND	ALL LAND
WIGMORE ROLLS	0.0	8.7	0.0	0.0	0.0	0.0	0.0	0.0	10.1	64.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.3	0.0	83.3
RHIW LAWR	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	90.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.4	0.0	92.4
CHECKLEY	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	7.4	22.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.2	0.0	31.2
CWM Y GERWYN	0.0	6.3	0.0	0.3	0.0	0.0	0.0	0.0	1.8	47.9	0.0	0.0	0.2	0.0	0.0	0.0	0.0	56.5	0.0	56.5
NASH SCAR	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.9	0.0	37.9
GWAUNCESTRE HILL	0.0	0.0	0.0	0.0	0.0	46.0	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.8	0.0	60.8
BLACK HILL	0.0	0.4	0.0	0.0	0.2	6.7	31.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.9	0.0	38.9
CWMYNACE	0.0	3.8	0.0	0.0	0.0	21.3	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.7	0.0	29.7
MAWN POOLS	0.1	0.0	0.0	0.0	0.0	2.6	65.7	29.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98.2	0.0	98.2
BWLCH	0.0	45.5	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	47.2	0.0	47.2
BLACK YATT	0.0	36.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	37.5	0.0	37.5
DREAVOUR FARM	0.0	0.6	0.8	0.0	0.0	1.2	9.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	12.0
BEILBEDW MAWN POOL	0.0	6.7	0.0	0.0	7.0	22.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	39.7	0.0	39.7
BIRCHER	0.0	60.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	22.7	0.0	3.5	0.0	0.0	0.0	0.0	86.9	0.0	86.9
CROWTHER'S POOL	0.0	85.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.5	0.0	0.0	0.4	0.0	0.0	0.0	0.0	95.0	0.0	95.0
MOSELEY COMMON	0.0	23.0	2.6	2.6	0.0	0.0	0.0	33.3	1.6	0.0	62.1	0.0	1.7	0.0	0.0	0.0	0.0	126.9	0.0	126.9
ELSDON	0.6	50.9	1.4	0.0	0.0	0.0	0.0	0.0	1.8	0.0	45.6	0.0	2.4	0.0	0.0	0.0	0.0	102.7	0.0	102.7
CRUNGOED	0.4	83.4	0.0	0.0	0.0	0.0	0.3	0.1	14.4	1.0	0.3	0.0	1.4	0.0	0.0	0.0	0.0	101.3	0.0	101.3
SILURIA	0.0	33.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	3.5	0.0	1.4	0.0	0.0	0.0	0.0	39.3	0.0	39.3
KNAPTON GREEN	0.0	22.6	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.0	32.8	0.0	3.2	0.0	0.0	0.0	0.0	59.9	0.0	59.9
WINSLOW GREEN	0.2	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	11.7	0.0	0.7	0.0	0.0	0.0	0.0	44.8	0.0	44.8
HOPE UNDER DINMORE	0.0	60.6	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	30.8	0.0	0.4	0.0	0.0	0.0	0.0	97.9	0.0	97.9
HEGDON HILL	0.1	37.4	0.2	0.7	0.0	0.0	0.0	0.0	3.2	0.2	18.5	0.0	1.5	0.0	0.0	0.0	0.0	61.8	0.0	61.8
PENTRE-DRAEN	0.0	30.1	0.0	0.5	0.0	0.0	31.7	0.0	0.9	1.2	0.0	0.0	0.4	0.0	0.0	0.0	0.0	64.8	0.1	64.9
LYNCH COURT	0.0	57.4	0.0	0.7	0.0	0.0	0.0	10.3	4.6	0.2	52.9	0.0	2.6	0.0	0.0	0.0	0.0	128.7	0.0	128.7
NEWHOUSE	0.0	7.3	0.0	0.0	0.0	0.0	1.2	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	0.0	10.1
HOLME MARSH	0.1	29.2	0.0	0.2	0.0	0.0	0.0	14.1	1.1	0.0	16.7	0.0	1.1	0.0	0.0	0.0	0.0	62.5	0.0	62.5
NEW RADNOR	0.0	39.9	0.1	0.0	0.0	0.0	6.0	0.1	0.3	35.2	0.0	0.0	0.5	0.0	0.0	0.0	0.0	82.1	0.5	82.6
LOWER WOODBATCH	0.0	56.7	0.0	0.0	0.0	0.0	0.0	0.6	9.7	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	68.0	0.0	68.0
LOWER KINSHAM	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.7	0.0	1.9	0.0	0.0	0.0	0.0	35.1	0.0	35.1
HAWKHURST	0.0	21.6	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.2	33.7	0.0	0.0	0.0	0.0	0.0	0.0	59.3	0.9	60.2
HYATT SARNESFIELD	0.0	15.8	0.2	0.0	0.0	0.0	0.0	0.0	5.4	0.0	64.7	0.0	0.3	0.0	0.0	0.0	0.0	86.4	0.0	86.4
MOUSENATCH	0.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	0.0	0.0	0.0	0.0	0.0	0.0	40.3	0.0	40.3
ELMS GREEN	7.4	20.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	22.3	0.0	1.8	0.0	0.7	0.0	0.0	54.2	0.0	54.2
THORNBY COURT	0.0	63.1	0.0	0.0	0.0	0.0	0.0	0.9	3.3	0.0	14.4	0.0	1.7	0.0	0.0	0.0	0.0	83.4	0.0	83.4
HOPE FARM	0.0	19.8	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	34.0	0.0	1.5	0.0	0.0	0.0	0.0	57.9	0.0	57.9
MARSH COURT	0.0	3.7	0.6	0.0	0.0	0.0	0.0	0.0	0.9	0.0	48.7	0.0	0.6	0.0	0.0	0.0	0.0	54.5	0.0	54.5
BUTTHOUSE	0.0	23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	27.4	0.0	0.0	0.0	0.0	0.0	0.0	51.2	0.5	51.7
LOWER CHADNOR	0.0	13.7	0.0	0.0	0.0	0.0	0.0	0.8	1.1	0.0	45.3	0.0	1.8	0.0	0.0	0.0	0.0	62.7	0.0	62.7

RIVER STOUR

Site Name	INLAND WATERS	PASTURE/AGRICULTURE TURF	MEADOWS/VERGES/SWARDS	MARSH/ROUGH GRASSLAND	MONTANE/HILL GRASS	UPLAND DWARF SCRUB/MOORLAND	BRACKEN	SCRUB/ORCHARD	DECIDUOUS WOOD	EVERGREEN WOOD	ARABLE LAND	RUDERAL WEEDS	SUBURBAN/FARMS	URBAN/INDUSTRIAL	BARE GROUND	FELLED FOREST	LOWLAND BOGS	ALL CLASSIFIED LAND	UNCLASSIFIED LAND	ALL LAND
NOON HILL	0.0	2.2	0.0	0.0	0.0	6.9	0.0	0.0	0.0	130.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	139.2	0.0	139.2
WEST KNOYLE	0.0	45.0	0.8	0.0	0.0	0.0	0.0	0.4	18.6	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	65.3	0.0	65.3
MIDDLEMARSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.8	0.0	20.8
CRANBORNE COMMON	0.0	43.2	0.9	0.0	0.0	0.0	0.0	3.0	46.5	14.6	15.4	0.0	0.3	0.0	0.0	3.5	0.0	127.4	3.6	131.0
COCKROAD WOOD	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	1.5	64.7	0.0	0.0	1.2	0.0	0.0	0.0	0.0	70.7	0.0	70.7
FERNDOWN	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0	0.0	6.8	0.0	0.0	8.3	26.2	0.0	26.2
CANNON HILL	0.0	4.8	2.2	0.0	0.0	0.0	0.0	0.0	16.3	57.5	0.0	0.0	1.3	0.0	0.0	8.7	0.0	90.8	3.1	93.9
HOLT HEATH	0.0	23.0	0.0	0.0	0.0	48.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108.4	0.0	108.4
MARSH FARM	0.1	60.6	0.2	0.1	0.0	0.0	0.0	0.0	1.3	0.0	0.9	0.0	3.3	0.0	0.0	0.0	0.0	66.5	0.0	66.5
LYMBURGH FARM	0.6	95.2	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	11.2	0.0	3.1	0.0	0.0	0.0	0.0	110.4	0.4	110.8
BARROW LANE	0.0	40.1	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	41.2	0.0	41.2
STOUR ROW	0.1	119.8	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	7.9	0.0	4.8	0.0	0.0	0.0	0.0	133.5	0.0	133.5
STOUR PROVOST	0.0	74.3	0.0	1.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	78.7	0.0	78.7
WEST END	0.0	37.4	0.3	0.0	0.0	0.0	0.0	0.0	5.0	0.0	3.0	0.0	9.5	0.0	0.0	0.0	0.0	55.2	0.0	55.2
HAMMOND STREET FARM	0.0	45.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0	0.0	52.0	0.0	52.0
KNACKERS' HOLE	0.4	84.9	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	6.1	0.0	0.9	0.0	0.0	0.0	0.0	92.5	0.0	92.5
GOLD HILL	0.0	21.2	0.0	0.0	0.0	0.0	0.0	0.0	11.3	0.0	8.4	0.0	0.0	0.0	0.0	0.0	0.0	40.9	0.0	40.9
LUGMARSH FARM	0.0	44.8	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.1	0.0	49.1
MARSH COURT	0.2	109.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2	0.0	2.3	0.0	0.0	0.0	0.0	127.9	0.0	127.9
THORNHILL	0.0	59.4	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	18.5	0.0	2.6	0.0	0.0	0.0	0.0	86.5	0.0	86.5
BELCHALWELL	0.0	59.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	18.7	0.0	3.2	0.0	0.4	0.0	0.0	81.7	0.2	81.9
HAYS	0.0	1.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	3.9
SHARNHILL GREEN	0.1	79.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	5.7	0.0	1.8	0.0	0.0	0.0	0.0	88.4	3.7	92.1
BEDCHESTER	0.0	87.9	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	4.6	0.0	2.5	0.0	0.0	0.0	0.0	96.7	0.0	96.7
THE MIDDLES	0.0	29.0	0.0	21.2	0.0	0.0	0.0	0.0	4.2	0.0	28.9	0.0	5.7	0.0	0.0	0.0	0.0	89.0	0.0	89.0
RIVERS' CORNER	0.3	104.1	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	11.3	0.0	0.0	0.0	0.0	119.4	0.1	119.5
CANNING'S COURT	0.1	65.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	21.6	0.0	2.3	0.0	0.0	0.0	0.0	92.0	0.0	92.0
SHAPWICK	0.0	48.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	18.4	0.0	2.0	0.0	0.0	0.0	0.0	72.9	0.0	72.9
MILL FARM	0.0	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	7.0	0.0	0.0	0.0	0.0	27.6	0.0	27.6
LITTLE PAMPHILL	0.0	30.2	3.3	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.7	0.0	6.3	0.0	0.0	0.0	0.0	45.1	0.0	45.1
WILKIN THROOP	0.1	42.6	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.4	0.0	43.4
SEDGEHILL	0.0	46.7	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.2	0.0	1.0	0.0	0.0	0.0	0.0	52.0	0.0	52.0
EAST STOUR	0.0	83.6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	85.4	0.0	85.4
CHARNAGE	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	49.0	0.0	49.0
HOLTWOOD FARM	0.0	22.1	0.0	10.4	0.0	0.0	0.0	0.0	5.1	0.0	27.8	0.0	1.3	0.0	0.0	0.0	0.0	66.7	0.0	66.7
WITCHAMPTON	0.0	13.1	2.1	0.0	0.0	0.0	0.0	0.0	2.9	2.2	151.8	0.0	3.1	0.0	0.0	0.0	0.0	175.2	0.0	175.2
WIMBORNE ST. GILES	0.2	67.2	1.7	1.5	0.0	0.0	0.0	0.0	0.3	0.0	65.4	0.0	4.6	0.0	0.0	0.0	0.0	140.9	0.0	140.9
WHITE KENNELS	0.0	36.0	1.7	0.0	0.0	0.0	0.0	0.0	22.7	0.5	16.3	0.0	11.1	0.0	0.0	0.0	0.0	88.3	0.6	88.9

Appendix IX The distribution of 14 land cover types and unclassified land (ha) in the stream corridors of all the 131 Stage 3 sites. Woodland is formed by merging deciduous and evergreen wood.

RIVER CAM

Site Name	INLAND WATERS	PASTURE/AMENITY TURF	MEADOWS/VERGES/WARDS	MARSH/ROUGH GRASSLAND	MONTANE/HILL GRASS	UPLAND DWARF SHRUB/MORLAND	BRACKEN	SCRUB/ORCHARD	WOODLAND	ARABLE LAND	SUBURBAN/FARMS	BARE GROUND	FELLED FOREST	LOWLAND BOGS	TOTAL CLASSIFIED BANK LENGTH (m)	UNCLASSIFIED	TOTAL BANK LENGTH (m)
HARCAMLOW WAY	0	0	0	0	0	0	0	0	0	1600	0	0	0	0	1600	0	1600
NEAR WHADDON	0	0	590	0	0	0	0	10	50	950	0	0	0	0	1600	0	1600
EXNING	0	430	0	0	0	0	0	0	1630	0	0	0	0	0	2060	0	2060
CROYDEN	0	185	0	0	0	0	0	0	0	1245	30	0	0	0	1460	0	1460
TRINITY CONDUIT	0	2580	0	0	0	0	0	0	750	3390	1100	0	0	0	7820	0	7820
HARLTON	0	0	0	30	0	0	0	100	0	2230	1090	150	0	0	3600	0	3600
BOWSERS	0	100	150	20	0	0	0	0	380	4550	400	0	0	0	5600	0	5600
CHURCH END	0	500	0	0	0	0	0	0	50	1950	0	0	0	0	2500	0	2500
LONGSTOWE	0	0	0	0	0	0	0	0	0	3280	0	0	0	0	3280	0	3280
EAST HATLEY	0	515	230	80	0	0	0	0	0	4515	550	0	0	0	5890	0	5890
REACH	0	5246	20	40	0	0	0	0	220	10643	1417	0	0	0	17586	0	17586
POOR'S FEN	0	120	0	1100	0	0	0	0	0	3010	150	0	0	0	4380	0	4380
HIGHBRIDGE FARM	0	0	0	220	0	0	0	0	0	6280	0	0	0	0	6500	0	6500
GILL'S HILL	0	345	1176	135	0	0	0	0	120	955	285	0	0	0	3016	0	3016
NORTH END	0	0	0	20	0	0	0	0	0	1530	50	0	0	0	1600	0	1600

RIVER DERWENT

Site Name	INLAND WATERS	PASTURE/AMENITY TURF	MEADOWS/VERGES/SWARDS	MARSH/ROUGH GRASSLAND	MONTANE/HILL GRASS	UPLAND DWARF SCRUB/MOORLAND	BRACKEN	SCRUB/ORCHARD	WOODLAND	ARABLE LAND	SUBURBAN/FARMS	BARE GROUND	FELLED FOREST	LOWLAND BOGS	TOTAL CLASSIFIED BANK LENGTH (m)	UNCLASSIFIED	TOTAL BANK LENGTH (m)
LOW MUFFLES	0	0	0	0	0	0	0	0	3900	0	0	0	200	0	4100	0	4100
WHITE HOUSE	0	0	0	0	0	10	0	0	9190	0	0	0	0	0	9200	0	9200
HIGH DALES	0	0	0	0	0	0	0	0	1000	0	0	0	0	0	1000	0	1000
NORTH SIDE	0	450	0	0	0	20	0	0	2670	0	0	0	0	0	3140	0	3140
BLAKEY TOPPING	0	0	0	0	0	160	0	0	3600	0	0	0	0	0	3760	0	3760
PROD HILLS	0	0	0	0	1300	1440	0	0	0	0	0	0	0	0	2740	0	2740
HAZEL GREEN	0	0	0	0	160	1100	240	0	0	0	0	0	0	0	1500	0	1500
SPAUNTON MOOR	0	0	0	0	0	800	0	0	0	0	0	0	0	0	800	0	800
SLAPE WATH MOOR	0	0	0	0	0	4010	0	0	0	0	0	0	0	0	4010	0	4010
FYLINGDALES MOOR	0	0	0	0	0	3100	0	0	0	0	0	0	0	0	3100	0	3100
HAGG HOUSE	0	300	500	0	0	740	600	0	0	0	0	0	0	0	2140	0	2140
HOLE OF HORCAM	0	0	0	0	0	1500	0	0	0	0	0	0	0	0	1500	0	1500
LOCKER WOOD	0	160	0	0	0	1180	330	0	5970	0	0	0	0	0	7640	0	7640
LOWNA	0	0	0	0	0	3100	0	0	0	0	0	0	0	0	3100	0	3100
HIGH HORCAM	0	2120	0	0	0	0	0	0	0	0	0	0	0	0	2120	0	2120
PLACE NEWTON	0	740	50	0	0	0	0	0	90	0	0	0	0	0	880	0	880
LAIRS	0	2200	0	0	0	0	0	0	940	0	0	0	0	0	3140	0	3140
FEAT RIGG	0	2570	700	0	0	0	0	0	850	1660	0	0	0	0	5780	0	5780
COULTON	0	1480	0	0	0	0	0	0	280	50	0	0	0	0	1810	0	1810
COCK FLAT	0	2430	0	0	120	120	0	0	420	0	40	0	0	0	3130	50	3180
EBBERSTON	0	1970	0	0	0	0	0	0	90	600	0	0	0	0	2660	0	2660
CROSS HOLME	0	1370	0	0	0	0	150	0	0	0	0	0	0	0	1520	0	1520
POLKTON CARR	0	750	0	750	0	0	0	0	0	0	0	0	0	0	1500	0	1500
SAINTOFT BROW	0	910	0	0	0	150	0	0	0	0	0	0	0	0	1060	0	1060
SPOUT HOUSE	0	1840	0	0	0	600	0	0	0	0	0	0	0	0	2440	0	2440
SCAGGLETHORPE	0	935	0	0	0	0	0	0	0	2890	15	0	0	0	3840	0	3840
LOW GATERLEY	0	0	0	0	0	0	0	0	500	4220	0	0	0	0	4720	0	4720
SNARGATE	0	2027	0	0	0	0	0	0	272	1060	0	0	0	0	3359	0	3359
GREAT WEST WOOD	0	5054	0	0	0	0	0	0	293	833	130	0	0	0	6310	0	6310
SOMMERFIELD	0	850	0	0	0	0	0	0	0	850	0	0	0	0	1700	0	1700
FANGFOSS GRANGE	0	1560	0	0	0	0	0	0	150	990	0	0	0	0	2700	0	2700
FULL SUTTON	0	350	0	0	0	0	0	0	0	2850	0	0	0	0	3200	800	4000
SUTTON WOOD	0	0	0	0	0	0	0	0	0	3100	0	0	0	0	3100	0	3100
WARREN HOUSE	0	0	50	0	0	0	0	0	90	1360	0	0	0	0	1500	0	1500
THORNTON LE CLAY	0	1220	0	0	0	0	0	0	0	2080	0	0	0	0	3300	0	3300
ALD MOOR	0	200	0	0	0	0	0	0	350	450	0	0	0	0	1000	0	1000
WOMBLETON	0	700	0	0	0	0	0	0	460	1440	830	0	0	0	3430	0	3430
MINSTER WAY	0	150	0	0	0	0	0	0	200	2650	0	0	0	0	3000	0	3000
THORNTON	0	2849	5525	0	0	0	0	0	280	886	0	0	0	0	9540	0	9540

RIVER LUGG

Site Name	INLAND WATERS	PASTURE/AMENITY TURF	MEADOWS/VERGES/WARDS	MARSH/ROUGH GRASSLAND	MONTANE/HILL GRASS	UPLAND DWARF SHRUB/MOORLAND	BRACKEN	SCRUB/ORCHARD	WOODLAND	ARABLE LAND	SUBURBAN/FARMS	BARE GROUND	FELLED FOREST	LOWLAND BOGS	TOTAL CLASSIFIED BANK LENGTH (m)	UNCLASSIFIED	TOTAL BANK LENGTH (m)
WIGMORE ROLLS	0	0	0	0	0	0	0	0	2660	0	0	0	0	0	2660	0	2660
RHIW LAWR	0	0	450	0	0	0	0	0	1750	0	0	0	0	0	2200	0	2200
CHECKLEY	0	0	0	0	0	0	0	0	4360	0	0	0	0	0	4360	0	4360
CWM Y GERWYN	0	215	0	0	0	0	0	0	1560	0	25	0	0	0	1800	0	1800
NASH SCAR	0	250	0	0	0	0	0	0	1850	0	0	0	0	0	2100	0	2100
GWAUNCESTRE HILL	0	940	0	0	0	2660	0	0	0	0	0	0	0	0	3600	0	3600
BLACK HILL	0	1860	0	0	0	90	0	0	0	0	0	0	0	0	1950	0	1950
CWMYNACE	0	800	0	0	0	0	0	0	0	0	0	0	0	0	800	0	800
MAWN POOLS	0	2220	0	0	0	680	0	0	0	0	0	0	0	0	2900	0	2900
BWLCH	0	1600	0	0	0	0	0	0	0	0	0	0	0	0	1600	0	1600
BLACK YATT	0	730	0	0	0	0	0	0	0	0	0	0	0	0	730	0	730
DREAVOUR FARM	0	945	300	0	0	50	0	0	45	0	0	0	0	0	1340	0	1340
HELIBEDW MAWN POOL	0	1000	0	0	0	140	0	0	0	0	0	0	0	0	1140	0	1140
BIRCHER	0	2152	0	0	0	0	0	0	50	520	100	0	0	0	2822	0	2822
CROWTHER'S POOL	0	2700	0	0	0	0	0	0	1100	0	0	0	0	0	3800	0	3800
MOSELEY COMMON	0	765	210	130	0	0	0	420	481	2140	260	0	0	0	4406	0	4406
ELSDON	0	320	95	0	0	0	0	0	260	1435	0	0	0	0	2110	0	2110
CRUNGOED	0	2150	0	0	0	0	0	0	430	0	80	0	0	0	2660	0	2660
SILURIA	0	3416	0	0	0	0	0	0	15	0	75	0	0	0	3506	0	3506
KNAPTON GREEN	0	1350	0	0	0	0	0	0	250	1800	0	0	0	0	3400	0	3400
WINSLOW GREEN	0	3000	0	0	0	0	0	0	0	190	0	0	0	0	3190	0	3190
HOPE UNDER DINMORE	0	2470	0	0	0	0	0	400	0	930	0	0	0	0	3800	0	3800
HEGDON HILL	0	1670	0	0	0	0	0	0	640	1890	0	0	0	0	4200	0	4200
PENTRE-DRAEN	0	4110	0	0	0	0	0	0	370	0	0	0	0	0	4480	0	4480
LYNCH COURT	0	3430	0	0	0	0	0	25	150	1350	195	0	0	0	5150	0	5150
NEWHOUSE	0	1130	0	0	0	0	0	0	130	0	0	0	0	0	1260	0	1260
HOLME MARSH	0	850	0	0	0	0	0	340	100	350	0	0	0	0	1640	0	1640
NEW RADNOR	0	2100	0	0	0	0	0	0	0	0	0	0	0	0	2100	0	2100
LOWER WOODBATCH	0	2243	0	0	0	0	0	0	23	0	0	0	0	0	2266	0	2266
LOWER KINSHAM	0	0	0	0	0	0	0	0	0	1300	0	0	0	0	1300	0	1300
HAWKHURST	0	730	0	0	0	0	0	0	400	2070	0	0	0	0	3200	0	3200
HYATT'S ARNESFIELD	0	445	80	0	0	0	0	0	780	6545	0	0	0	0	7850	0	7850
MOUSENATCH	0	3200	0	0	0	0	0	0	0	1300	0	0	0	0	4500	0	4500
ELMS GREEN	600	900	0	0	0	0	0	0	0	400	0	0	0	0	1900	0	1900
THORNBY COURT	0	2690	0	0	0	0	0	0	0	510	0	0	0	0	3200	60	3260
HOPE FARM	0	1635	0	0	0	0	0	0	0	1035	0	0	0	0	2670	0	2670
MARSH COURT	0	0	140	0	0	0	0	0	0	3802	0	0	0	0	3942	0	3942
BUTTHOUSE	0	1050	0	0	0	0	0	0	0	350	0	0	0	0	1400	0	1400
LOWER CHADNOR	0	1771	0	0	0	0	0	0	65	1490	0	0	0	0	3326	0	3326

RIVER STOUR

Site Name	INLAND WATERS	PASTURE/AMENITY TURF	MEADOWS/VERGES/SWARDS	MARSH/ROUGH GRASSLAND	MONTANE/HILL GRASS	UPLAND DWARF SCRUB/MOORLAND	BRACKEN	SCRUB/ORCHARD	WOODLAND	ARABLE LAND	SUBURBAN/FARMS	BARE GROUND	FELLED FOREST	LOWLAND BOGS	TOTAL CLASSIFIED BANK LENGTH (m)	UNCLASSIFIED	TOTAL BANK LENGTH (m)
NOON HILL	0	0	0	0	0	0	0	0	5900	0	0	0	0	0	5900	0	5900
WEST KNOYLE	0	2075	0	0	0	0	0	0	2185	0	0	0	0	0	4260	0	4260
MIDDLEMARSH	0	0	0	0	0	0	0	0	900	0	0	0	0	0	900	0	900
CRANBORNE COMMON	0	1400	0	0	0	0	0	0	3100	0	0	0	0	0	4500	0	4500
COCKROAD WOOD	0	220	0	0	0	0	0	0	3180	0	40	0	0	0	3440	0	3440
FERNDOWN	0	160	0	0	0	0	0	0	630	0	0	0	0	890	1680	0	1680
CANNON HILL	0	0	46	0	0	0	0	0	2954	0	0	0	20	0	3020	0	3020
HOLT HEATH	0	350	0	0	0	225	0	0	0	0	0	0	0	2225	2800	0	2800
MARSH FARM	0	3788	0	0	0	0	0	0	187	0	195	0	0	0	4170	0	4170
LYMBURGH FARM	40	4800	50	0	0	0	0	0	0	710	40	0	0	0	5640	0	5640
BARROW LANE	0	3640	20	0	0	0	0	0	40	0	0	0	0	0	3700	0	3700
STOUR ROW	0	2725	0	0	0	0	0	0	60	525	0	0	0	0	3310	0	3310
STOUR PROVOST	0	3370	0	0	0	0	0	0	0	0	30	0	0	0	3400	0	3400
WEST END	0	3180	30	0	0	0	0	0	0	0	0	0	0	0	3210	0	3210
HAMMOND STREET FARM	0	3240	0	0	0	0	0	0	0	0	0	0	0	0	3240	0	3240
KNACKERS' HOLE	0	4060	0	0	0	0	0	0	0	0	0	0	0	0	4060	0	4060
GOLD HILL	0	600	0	0	0	0	0	0	300	500	0	0	0	0	1600	0	1600
LUGMARSH FARM	0	3090	0	0	0	0	0	0	150	0	0	0	0	0	3240	0	3240
MARSH COURT	0	4720	10	0	0	0	0	0	0	470	0	0	0	0	5200	0	5200
THORNHILL	0	2750	15	15	0	0	0	0	460	1230	240	0	0	0	4710	0	4710
BELCHALWELL	0	2290	0	0	0	0	0	0	0	1610	0	0	0	0	3900	0	3900
HAYS	0	200	0	0	0	0	0	0	0	200	0	0	0	0	400	0	400
SHARNHILL GREEN	0	6092	0	0	0	0	0	0	0	110	0	0	0	110	6312	0	6312
BEDCHESTER	0	6420	0	0	0	0	0	0	0	0	0	0	0	0	6420	0	6420
THE MIDDLES	0	3190	50	0	0	0	0	0	0	400	20	0	0	0	3660	0	3660
RIVERS' CORNER	0	4300	0	0	0	0	0	0	0	0	0	0	0	0	4300	0	4300
CANNING'S COURT	0	5170	0	0	0	0	0	0	470	600	0	0	0	0	6240	0	6240
SHAPWICK	0	2255	0	0	0	0	0	0	870	0	55	0	0	0	3180	0	3180
MILL FARM	0	730	0	0	0	0	0	0	0	0	170	0	0	0	900	0	900
LITTLE PAMPHILL	0	2080	780	0	0	0	0	0	220	0	100	0	0	0	3180	0	3180
WILKIN THROOP	0	3700	0	0	0	0	0	0	0	0	0	0	0	0	3700	0	3700
SEDGEHILL	0	1760	0	0	0	0	0	0	800	0	0	0	0	0	2560	0	2560
EAST STOUR	0	3160	0	0	0	0	0	0	0	0	40	0	0	0	3200	0	3200
CHARNAGE	0	390	0	0	0	0	0	0	250	1760	0	0	0	0	2400	0	2400
HOLTWOOD FARM	0	1030	0	0	0	0	0	0	76	670	0	0	0	0	1776	0	1776
WITCHAMPTON	0	2300	0	0	0	0	0	0	300	0	0	0	0	0	2600	0	2600
WIMBORNE ST. GILES	0	4270	50	800	0	0	0	0	0	0	150	0	0	0	5270	0	5270
WHITE KENNELS	0	605	0	0	0	0	0	0	45	880	740	0	0	0	2270	0	2270

Appendix X The lengths of single stream banks with buffer zones in six width categories, underground channels or unclassified buffer characteristics.

CAM

Site Name	<1m	<2.5m	<5m	<10m	<25m	>25m	Under-ground	Unclassified	Total length
HARCAMLOW WAY	0	1350	250	0	0	0	0	0	1600
NEAR WHADDON	1600	0	0	0	0	0	0	0	1600
EXNING	2060	0	0	0	0	0	0	0	2060
CROYDEN	1460	0	0	0	0	0	0	0	1460
TRINITY CONDUIT	4770	2650	400	0	0	0	0	0	7820
HARLTON	3600	0	0	0	0	0	0	0	3600
BOWSERS	4570	1030	0	0	0	0	0	0	5600
CHURCH END	1700	550	250	0	0	0	0	0	2500
LONGSTOWE	2680	500	100	0	0	0	0	0	3280
EAST HATLEY	3950	1200	740	0	0	0	0	0	5890
REACH	17046	100	420	0	0	20	0	0	17586
POOR'S FEN	0	3780	0	0	0	600	0	0	4380
HIGHBRIDGE FARM	6500	0	0	0	0	0	0	0	6500
GILL'S HILL	2791	90	135	0	0	0	0	0	3016
NORTH END	0	1600	0	0	0	0	0	0	1600

DERWENT

Site Name	<1m	<2.5m	<5m
LOW MUFFLES	3800	0	300
WHITE HOUSE	9108	92	0
HIGH DALES	1000	0	0
NORTH SIDE	2320	100	0
BLAKEY TOPPING	3320	360	80
PROD HILLS	2740	0	0
HAZEL GREEN	880	0	0
SPAUNTON MOOR	800	0	0
SLAPE WATH MOOR	4010	0	0
FYLINGDALES MOOR	0	0	0
HAGG HOUSE	800	0	830
HOLE OF HORCAM	1500	0	0
LOCKER WOOD	7640	0	0
LOWNA	3100	0	0
HIGH HORCAM	2120	0	0
PLACE NEWTON	630	0	0
LAIRS	1240	1400	250
PEAT RIGG	4820	930	0
COULTON	1760	50	0
COCK FLAT	3060	0	120
EBBERSTON	2060	550	0
CROSS HOLME	1465	55	0
FOLKTON CARR	750	750	0
SAINTOFT BROW	610	0	0
SPOUT HOUSE	2440	0	0
SCAGGLETHORPE	3605	140	95
LOW GATERLEY	4630	65	25
SNARGATE	2197	172	0
GREAT WEST WOOD	3015	2120	1175
SOMMERFIELD	1300	400	0
FANGFOSS GRANGE	1490	1150	60
FULL SUTTON	2700	500	0
SUTTON WOOD	3080	0	0
WARREN HOUSE	1450	0	0
THORNTON LE CLAY	3260	40	0
ALDMOOR	650	200	150
WOMBLETON	1960	1370	0
MINSTER WAY	1200	1450	350
THORNTON	9272	130	138

<10m	<25m	>25m	Under-ground	Unclassified	Total length
0	0	0	0	0	4100
0	0	0	0	0	9200
0	0	0	0	0	1000
100	100	20	0	500	3140
0	0	0	0	0	3760
0	0	0	0	0	2740
0	0	0	0	620	1500
0	0	0	0	0	800
0	0	0	0	0	4010
0	0	3100	0	0	3100
0	0	510	0	0	2140
0	0	0	0	0	1500
0	0	0	0	0	7640
0	0	0	0	0	3100
0	0	0	0	0	2120
200	0	50	0	0	880
250	0	0	0	0	3140
0	30	0	0	0	5780
0	0	0	0	0	1810
0	0	0	0	0	3180
0	50	0	0	0	2660
0	0	0	0	0	1520
0	0	0	0	0	1500
150	0	300	0	0	1060
0	0	0	0	0	2440
0	0	0	0	0	3840
0	0	0	0	0	4720
30	0	0	960	0	3359
0	0	0	0	0	6310
0	0	0	0	0	1700
0	0	0	0	0	2700
0	0	0	0	800	4000
20	0	0	0	0	3100
50	0	0	0	0	1500
0	0	0	0	0	3300
0	0	0	0	0	1000
0	100	0	0	0	3430
0	0	0	0	0	3000
0	0	0	0	0	9540

LUGG

Site Name	<1m	<2.5m	<5m
WIGMORE ROLLS	2660	0	0
RHIW LAWR	1700	0	0
CHECKLEY	3620	0	0
CWM Y GERWYN	1675	50	75
NASH SCAR	2100	0	0
GWAUNCESTRE HILL	3600	0	0
BLACK HILL	1950	0	0
CWMYNACE	800	0	0
MAWN POOLS	2900	0	0
BWLCH	1600	0	0
BLACK YATT	730	0	0
DREAVOUR FARM	1340	0	0
BEILIBEDW MAWN POOL	1140	0	0
BIRCHER	1752	1070	0
CROWTHER'S POOL	3800	0	0
MOSELEY COMMON	4318	18	35
ELSDON	2110	0	0
CRUNGOED	1700	0	960
SILURIA	3506	0	0
KNAPTON GREEN	2200	1200	0
WINSLOW GREEN	2700	80	410
HOPE UNDER DINMORE	1400	700	980
HEGDON HILL	1605	1605	990
PENTRE-DRAEN	4480	0	0
LYNCH COURT	3510	350	1290
NEWHOUSE	1260	0	0
HOLME MARSH	1450	20	170
NEW RADNOR	2100	0	0
LOWER WOODBATCH	2266	0	0
LOWER KINSHAM	0	1300	0
HAWKHURST	1800	1260	140
HYATT SARNESFIELD	6740	1055	0
MOUSENATCH	850	1900	0
ELMS GREEN	0	1150	150
THORNBY COURT	2360	520	140
HOPE FARM	2500	120	50
MARSH COURT	1567	2010	365
BUTTHOUSE	1050	350	0
LOWER CHADNOR	3326	0	0

<10m	<25m	>25m	Under-ground	Unclassified	Total length
0	0	0	0	0	2660
0	500	0	0	0	2200
740	0	0	0	0	4360
0	0	0	0	0	1800
0	0	0	0	0	2100
0	0	0	0	0	3600
0	0	0	0	0	1950
0	0	0	0	0	800
0	0	0	0	0	2900
0	0	0	0	0	1600
0	0	0	0	0	730
0	0	0	0	0	1340
0	0	0	0	0	1140
0	0	0	0	0	2822
0	0	0	0	0	3800
0	0	35	0	0	4406
0	0	0	0	0	2110
0	0	0	0	0	2660
0	0	0	0	0	3506
0	0	0	0	0	3400
0	0	0	0	0	3190
540	180	0	0	0	3800
0	0	0	0	0	4200
0	0	0	0	0	4480
0	0	0	0	0	5150
0	0	0	0	0	1260
0	0	0	0	0	1640
0	0	0	0	0	2100
0	0	0	0	0	2266
0	0	0	0	0	1300
0	0	0	0	0	3200
0	0	55	0	0	7850
1750	0	0	0	0	4500
600	0	0	0	0	1900
240	0	0	0	0	3260
0	0	0	0	0	2670
0	0	0	0	0	3942
0	0	0	0	0	1400
0	0	0	0	0	3326

STOUR

Site Name	<1m	<2.5m	<5m
NOON HILL	5400	0	0
WEST KNOYLE	3375	885	0
MIDDLEMARSH	900	0	0
CRANBORNE COMMON	4500	0	0
COCKROAD WOOD	2025	150	655
FERNDOWN	630	0	0
CANNON HILL	3020	0	0
HOLT HEATH	0	0	0
MARSH FARM	3844	81	25
LYMBURGH'S FARM	4590	1050	0
BARROW LANE	3390	0	110
STOUR ROW	2493	307	510
STOUR PROVOST	2370	800	230
WEST END	3042	41	127
HAMMOND STREET FARM	3240	0	0
KNACKERS' HOLE	2090	1750	80
GOLD HILL	900	400	0
LUGMARSH FARM	1710	1240	140
MARSH COURT	4530	580	80
THORNHILL	4600	15	15
BELCHALWELL	3900	0	0
HAYS	0	100	150
SHARNHILL GREEN	5990	272	50
BEDCHESTER	3380	1020	1060
THE MIDDLES	1160	2320	180
RIVERS' CORNER	2550	420	710
CANNING'S COURT	6020	220	0
SHAPWICK	2878	180	110
MILL FARM	40	520	300
LITTLE PAMPHILL	1805	450	0
WILKIN THROOP	2200	700	800
SEDGEHILL	1640	720	0
EAST STOUR	2040	1160	0
CHARNAGE	1300	1100	0
HOLTWOOD FARM	1576	80	120
WITCHAMPTON	300	1750	250
WIMBORNE ST. GILES	4070	30	70
WHITE KENNELS	1360	30	880

<10m	<25m	>25m	Under- ground	Unclassified	Total length
500	0	0	0	0	5900
0	0	0	0	0	4260
0	0	0	0	0	900
0	0	0	0	0	4500
0	0	0	0	610	3440
0	0	1050	0	0	1680
0	0	0	0	0	3020
0	0	2800	0	0	2800
0	0	0	0	220	4170
0	0	0	0	0	5640
0	200	0	0	0	3700
0	0	0	0	0	3310
0	0	0	0	0	3400
0	0	0	0	0	3210
0	0	0	0	0	3240
40	80	20	0	0	4060
300	0	0	0	0	1600
0	0	150	0	0	3240
0	10	0	0	0	5200
0	0	0	0	80	4710
0	0	0	0	0	3900
0	150	0	0	0	400
0	0	0	0	0	6312
960	0	0	0	0	6420
0	0	0	0	0	3660
520	100	0	0	0	4300
0	0	0	0	0	6240
12	0	0	0	0	3180
0	0	0	40	0	900
25	580	320	0	0	3180
0	0	0	0	0	3700
200	0	0	0	0	2560
0	0	0	0	0	3200
0	0	0	0	0	2400
0	0	0	0	0	1776
0	0	300	0	0	2600
350	750	0	0	0	5270
0	0	0	0	0	2270

RIVER CAM

[illegible]

[illegible]

RIVER LUGG

Site Name	DAIRY YARD	SLEURY LAGOON	SLEURY BAMPCHANNEL	SILAGE CLAMP	SILAGE BAG(S)	MANURE HEAP	CHEEKEN MANURE HEAP	SEWAGE TREATMENT WORKS	SEPTIC TANK	SLEURY SPREADING	ORGANIC FERTILISATION	ARTIFICIAL FERTILISATION	CROP SPRAYING	ERACKEN SPRAYING	AERIAL SPRAYING	INSECTICIDE APPLICATION	HERBICIDE APPLICATION	BANKSIDE HERBICIDE USE	FARM CHEMICAL BAGCAN	FARM CHEMICAL STORE	FUEL STORE	REFUSE TIP	BATTERY POULTRYHOUSE	POULTRY COOP	DEAD LIVESTOCK	WATER TROUGHS/TANKS	AIRSTRACTION	PUMPING STATION	IRRIGATION	HIGHWAY RUNOFF	EROSION GULLY	MOORLAND BURNING	PELLING	EARTHWORK	SOIL/MINERAL EXTRACTION	LIGHT INDUSTRY	
WIGMORE ROLLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RHIW LAWR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
CHECKLEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CWM Y GERWYN	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NASH SCAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GWAUNCESTRE HILL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
BLACK HILL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CWMYNACE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MAWN POOLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
BWLCH	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
BLACK YATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DREAVOUR FARM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
BEILBEDW MAWN POOL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BIRCHER	0	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CROWTHER'S POOL	0	0	0	1	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MOSLEY COMMON	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	
ELSDON	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
CRUNGOED	0	0	0	1	2	2	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SILURIA	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNAPTON GREEN	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WINSLOW GREEN	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HOPE UNDER DINMORR	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
HEGDON HILL	1	0	0	0	2	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PENTRE-DRAEN	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
LYNCH COURT	0	0	0	0	0	2	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NEWHOUSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HOLME MARSH	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NEW RADNOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LOWER WOODBATCH	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LOWER KINSHAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
HAWKHURST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HYATT SARNESFIELD	0	0	0	0	0	1	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MOUSENATCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ELMS GREEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
THORNBY COURT	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HOPE FARM	1	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MARSH COURT	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BUTTHOUSE	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LOWER CHADNOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Site Name	DAIRY YARD	SLURRY LAGOON	SLURRY RAMP/CHANNEL	SILAGE CLAMP	SILAGE BAG(S)	MANURE HEAP	CHICKEN MANURE HEAP	SEWAGE TREATMENT WORKS	SEPTIC TANK	SLURRY SPREADING	ORGANIC FERTILISATION	ARTIFICIAL FERTILISATION	CROP SPRAYING	BRACKEN SPRAYING	AERIAL SPRAYING	INSECTICIDE APPLICATION	HERBICIDE APPLICATION	BANKSIDE HERBICIDE USE	FARM CHEMICAL BAG/CAN	FARM CHEMICAL STORE	FUEL STORE	REFUSE TIP	BATTERY POULTRYHOUSE	POULTRY COOP	DEAD LIVESTOCK	WATER TROUGHS/TANKS	ABSTRACTION	PUMPING STATION	IRRIGATION	HIGHWAY RUNOFF	EROSION GULLY	MOORLAND BURNING	FELLING	EARTHWORK	SOIL/MINERAL EXTRACTION	LIGHT INDUSTRY	
MOON HILL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WEST ENVOYLE	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MIDDLEBUSH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRABORNE COMMON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COCKBROD WOOD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERNDOWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CANNON HILL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HOLT HEATH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARSH FARM	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LYMBURGHES FARM	1	1	0	3	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BARROW LANE	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STOUR ROW	3	1	0	1	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STOUR PROVOST	1	1	0	3	5	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEST END	0	0	0	0	1	3	0	0	0	0	0																										

Appendix XII

**The numbers of occurrences of a range of potential sources of perturbation
in the stream corridors of each of the 131 Stage 3 sites**

RIVER CAM

[illegible]

RIVER CAM (cont)

Site Name	DREDGED (m)	REALIGNED/CANALISED (m)	ARTIFICIAL BANKS (m)	VEHICULAR FORDS (No)	ROAD BRIDGES (No)	VEHICULAR BRIDGES (No)	ROAD DRAINAGE (+/-)	TRACK DRAINAGE (+/-)	EROSION GULLIES (m)	FOOTBRIDGES (No)	CULVERTS (No)	CULVERTING (m)	PUMPING STATIONS (No)	WATER PUMPS (No)	ABSTRACTION (+/-)	FLOW AUGMENTATION (+/-)	RESERVOIRS (No)	WELL (+/-)	DAMS (No)	CONCRETE WEIR (+/-)	SLUICE (+/-)	FELLING (+/-)	URBANISATION (+/-)	DERELICT BUILDINGS (+/-)	CARAVANS (No)	EARTHWORKS/BUILDING (+/-)	SCRAMBLES COURSE (+/-)
HARCAMLOW WAY	0	800	0	0	0	1	0	0	0	0	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEAR WHADDON	0	800	0	0	0	1	0	0	0	2	1	10	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
EXNING	0	0	0	0	0	0	0	0	0	1	2	10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
CROYDEN	0	105	0	0	0	2	1	0	0	0	2	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TRINITY CONDUIT	0	2550	0	0	1	5	1	0	0	0	7	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HARLTON	0	0	0	0	0	10	1	0	0	1	16	180	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0
BOWSERS	0	800	0	0	0	6	0	0	0	0	7	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHURCH END	0	1150	0	0	0	4	0	0	0	1	5	50	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
LONGSTOWE	0	1640	0	0	0	3	0	0	0	0	3	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EAST HATLEY	480	0	0	0	0	6	0	0	0	0	7	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REACH	0	7353	0	0	0	11	0	0	0	1	14	170	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
POOR'S FEN	0	2190	0	0	0	2	0	0	0	2	2	20	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
HIGHBRIDGE FARM	0	3250	0	0	0	2	0	0	0	0	2	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GILL'S HILL	40	0	0	1	0	7	1	0	0	3	9	245	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
NORTH END	0	800	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

RIVER DERWENT

Site Name	FARMYARDS (No)	SLURRY LAGOON (No)	SILAGE CLAMP (No)	SILAGE BAGS (+/-)	MANURE/SILAGE HEAPS (No)	SEWAGE TREATMENT WORKS (+/-)	SEPTIC TANK (+No)	AGRICULTURAL DRAIN (No)	INPUT PIPES (No)	SLURRY SPREADING (+/-)	ORGANIC FERTILISATION (+/-)	ARTIFICIAL FERTILISATION (+/-)	CROP SPRAYING (+/-)	BRACKEN SPRAYING (+/-)	HERBICIDE APPLICATION (+/-)	REFUSE TIP (No)	BANK POACHING (m)	LIVESTOCK DRINKING BAYS (No)	DRINKING TROUGHS (No)	STABLES (No)	COOP/PEN/POULTRYHOUSE(No)	DEAD LIVESTOCK (+/-)	ORGANIC POLLUTION (+/-)	MILKY WATER (+/-)	WATER ODOUR (+/-)	FOAM/SCUM(+/-)	OCIRE (+/-)	INSTREAM OIL (+/-)	LARGE INSTREAM LITTER (+/-)
LOW MUFFLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHITE HOUSE	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIGH DALES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH SIDE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	410	0	0	0	0	0	0	0	0	0	0	1	0
BLAKEY TOPPING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
PROD HILLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAZEL GREEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
SPAUNTON MOOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SLAPE WATH MOOR	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FYLINGDALES MOOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
HAGG HOUSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HOLE OF HORCAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCKER WOOD	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
LOWNA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
HIGH HORCAM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLACE NEWTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAIRS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEAT RIGG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	2	0	0	0	0	0	0	0	0	0	0	0
COULTON	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0
COCK FLAT	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	100	0	0	0	0	0	0	0	0	0	0	0	0
EBBERSTON	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	230	2	0	0	0	0	0	0	0	0	0	1	0
CROSS HOLME	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	1	1	0	0	0	0	0	0	0	0	0	0
FOLKTON CARR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAINTOFT BROW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	230	0	0	0	0	0	0	0	1	0	0	0	0
SPOUT HOUSE	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	20	0	0	0	0	1	0	0	1	0	1	1	0
SCAGGLETHORPE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
LOW GATERLEY	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNARGATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	2	0	0	0	0	0	0	1	0	0	0	0
GREAT WEST WOOD	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOMMERFIELD	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FANGFOSS GRANGE	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
FULL SUTTON	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
SUTTON WOOD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
WARREN HOUSE	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
THORNTON LE CLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ALDMOOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WOMBLETON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
MINSTER WAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
THORNTON	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	1	0	0

RIVER DERWENT (cont)

Site Name	DREDGED (m)	REALIGNED/CHANNELISED (m)	ARTIFICIAL BANKS (m)	VEHICULAR FORDS (No)	ROAD BRIDGES (No)	VEHICULAR BRIDGES (No)	ROAD DRAINAGE (+/-)	TRACK DRAINAGE (+/-)	EROSION GULLIES (m)	FOOTBRIDGES (No)	CULVERTS (No)	CULVERTING (m)	PUMPING STATIONS (No)	WATER PUMPS (No)	ABSTRACTION (+/-)	FLOW AUGMENTATION (+/-)	RESERVOIRS (No)	WELL (+/-)	DAMS (No)	CONCRETE WEIR (+/-)	SLUICE (+/-)	FELLING (+/-)	URBANISATION (+/-)	DERELICT BUILDINGS (+/-)	CARAVANS (No)	EARTHWORKS/BUILDING (+/-)	SCRAMBLES COURSE (+/-)
LOW MUFFLES	0	0	0	0	0	0	0	0	780	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHITE HOUSE	0	2675	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIGH DALES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH SIDE	0	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BLAKEY TOPPING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD HILLS	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAZEL GREEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPAUNTON MOOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SLAPE WATH MOOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FYLINGDALES MOOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAGG HOUSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HOLE OF HORCAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCKER WOOD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOWNA	0	500	0	0	2	0	0	0	0	0	2	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HIGH HORCAM	0	0	0	0	0	1	1	0	0	0	2	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLACE NEWTON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAIRS	0	0	0	0	1	1	0	0	0	0	3	30	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
PEAT RIGG	10	600	0	0	0	7	0	0	0	1	8	80	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
COULTON	10	0	0	0	0	3	1	0	0	0	4	385	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COCK FLAT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EBBERSTON	0	0	10	0	1	2	0	0	0	0	5	230	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CROSS HOLME	0	0	0	0	0	3	0	1	0	0	4	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FOLKTON CARR	0	750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAINTOFT BROW	0	0	0	0	1	0	1	0	0	0	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPOUT HOUSE	0	0	0	1	0	1	0	1	0	0	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCAGGLETHORPE	0	1920	0	0	1	0	1	0	0	0	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOW GATERLEY	1260	0	0	0	0	6	0	0	0	0	7	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SNARGATE	880	0	0	0	0	1	0	0	0	0	5	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GREAT WEST WOOD	0	500	0	0	0	6	0	0	0	2	9	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOMMERFIELD	0	850	0	0	0	2	0	0	0	1	2	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FANGFOSS GRANGE	0	720	0	0	0	4	0	0	0	0	4	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FULL SUTTON	0	0	0	0	0	2	0	0	0	1	3	30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
SUTTON WOOD	0	350	0	0	0	3	0	0	10	0	4	40	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
WARREN HOUSE	0	0	0	0	0	1	0	0	0	0	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
THORNTON LE CLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALDMOOR	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WOMBLETON	0	300	0	0	0	5	0	0	0	4	5	50	0	1	0	0	0	0	5	0	0	0	0	0	0	0	0
MINSTER WAY	0	1500	0	0	0	2	0	0	0	2	3	40	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
THORNTON	140	3640	0	0	0	13	0	0	0	2	17	190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

RIVER LUGG

Site Name	FARMYARDS (No)	SLURRY LAGOON (No)	SILAGE CLAMP (No)	SILAGE BAGS (+/-)	MANURE/SILAGE HEAPS (No)	SEWAGE TREATMENT WORKS (+/-)	SEPTIC TANK (+No)	AGRICULTURAL DRAIN (No)	INPUT PIPES (No)	SLURRY SPREADING (+/-)	ORGANIC FERTILISATION (+/-)	ARTIFICIAL FERTILISATION (+/-)	CROP SPRAYING (+/-)	BRACKEN SPRAYING (+/-)	HERBICIDE APPLICATION (+/-)	REFUSE TIP (No)	BANK POACHING (m)	LIVESTOCK DRINKING BAYS (No)	DRINKING TROUGHS (No)	STABLES (No)	COOP/PEN/POULTRYHOUSE(No)	DEAD LIVESTOCK (+/-)	ORGANIC POLLUTION (+/-)	MILKY WATER (+/-)	WATER ODOUR (+/-)	FOAM /SCUM(+/-)	OCHRE (+/-)	INSTREAM OIL (+/-)	LARGE INSTREAM LITTER (+/-)
WIGMORE ROLLS	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHW LAWR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHECKLEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CWM Y GERWYN	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NASH SCAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
GW AUNCESTRE HILL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BLACK HILL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0
CWMYNACE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAWN POOLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BWLCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BLACK YAIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DREAVOUR FARM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
BEILBEDW MAWN POOL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	1
BIRCHER	0	0	0	0	0	0	0	0	4	0	1	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	1
CROWTHER'S POOL	1	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0
MOSELEY COMMON	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	60	0	0	0	0	0	0	1	0	0	0	0	0
ELSDON	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	103	0	0	0	0	0	0	0	0	0	0	0	0
CRUNGOED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SILURIA	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	430	0	0	0	0	0	0	0	0	0	0	0	1
KNAPTON GREEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	250	0	0	0	0	0	0	0	0	0	0	0	0
WNSLOW GREEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2 550	1	0	0	0	0	0	0	0	0	0	0	0	1
HOPE UNDER DINMORE	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0 280	0	1	0	0	0	1	0	0	0	0	0	0	0
HEGDON HILL	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1 40	0	0	0	0	0	0	0	0	0	0	0	0	1
PENTRE-DRAEN	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
LYNCH COURT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
NEWHOUSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 580	0	0	0	0	0	0	0	0	0	0	0	0	0
HOLME MARSH	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
NEW RADNOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
LOWER WOODBATCH	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0 883	0	0	0	0	0	0	0	0	0	0	0	0	1
LOWER KNSHAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
HAWKHURST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HYAIT SARNESFIELD	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MOUSENATCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	1	0	0	0	0	0	0	0	0	0	0	0
ELMS GREEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
THORNBY COURT	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
HOPE FARM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	280	0	0	0	0	0	1	0	0	0	0	0	0
MARSH COURT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
BUTHOUSE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOWER CHADNOR	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	10	0	1	0	0	0	0	0	0	0	0	0	0

RIVER LUGG (cont)

Site Name	DREDGED (m)	REALIGNED/CHANNELISED (m)	ARTIFICIAL BANKS (m)	VEHICULAR FORDS (No)	ROAD BRIDGES (No)	VEHICULAR BRIDGES (No)	ROAD DRAINAGE (+/-)	TRACK DRAINAGE (+/-)	EROSION GULLIES (m)	FOOTBRIDGES (No)	CULVERTS (No)	CULVERTING (m)	PUMPING STATIONS (No)	WATER PUMPS (No)	ABSTRACTION (+/-)	FLOW AUGMENTATION (+/-)	RESERVOIRS (No)	WELL (+/-)	DAMS (No)	CONCRETE WEIR (+/-)	SLUICE (+/-)	FELLING (+/-)	URBANISATION (+/-)	DERELICT BUILDINGS (+/-)	CARAVANS (No)	EARTHWORKS/BUILDING (+/-)	SCRAMBLES COURSE (+/-)
WIGMORE ROLLS	0	0	0	0	0	2	0	0	0	0	4	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHW LAWR	0	0	0	0	0	0	0	0	0	0	2	20	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
CHECKLEY	0	1500	0	0	0	2	0	0	0	0	4	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CWM Y GERWYN	0	0	0	0	0	2	0	0	0	0	2	20	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
NASH SCAR	0	0	0	0	0	1	0	0	0	0	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GWAUNCESTRE HILL	0	0	0	0	0	0	0	0	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BLACK HILL	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CWMYNACE	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAWN POOLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BWLCH	0	0	0	2	0	1	0	0	0	0	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BLACK YATT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DREA VOUR FARM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BEILIBEDW MAWN POOL	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BIRCHER	0	0	0	1	0	3	0	0	0	0	6	170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CROWTHER'S POOL	0	0	0	2	0	1	0	0	0	0	1	10	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
MOSELEY COMMON	0	0	0	0	0	1	1	0	0	2	12	130	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
ELSDON	0	0	0	0	0	0	0	0	0	0	1	500	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUNGOED	0	0	0	1	0	1	0	0	20	0	5	100	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
SILURIA	0	0	0	0	0	4	0	1	0	0	5	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNAPTON GREEN	0	1700	0	0	0	7	0	0	0	0	7	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINSLOW GREEN	0	0	0	0	0	0	0	0	0	2	2	170	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1
HOPE UNDER DINMORE	0	0	0	0	0	2	0	0	0	0	2	20	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
HEGDON HILL	0	0	0	0	0	1	0	0	0	0	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PENTRE-DRAEN	0	0	0	3	0	1	0	0	0	1	2	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LYNCH COURT	0	330	0	0	0	4	0	0	0	0	4	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEWHOUSE	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HOLME MARSH	0	0	0	1	0	0	0	0	0	0	1	10	0	2	0	0	0	1	2	0	0	0	0	0	0	0	0
NEW RADNOR	0	0	0	0	0	0	0	0	0	0	4	280	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOWER WOODBATCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
LOWER KINSHAM	0	650	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAWKHURST	0	0	0	0	0	0	0	0	0	0	2	20	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
HYATT SARNESFIELD	0	510	0	0	0	1	0	0	0	2	2	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MOUSENATCH	0	1800	0	0	0	8	0	0	0	2	8	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELMS GREEN	0	950	0	0	0	1	0	0	0	1	1	10	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
THORNBYS COURT	0	120	0	0	0	1	0	0	0	2	5	55	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
HOPE FARM	0	0	0	0	0	0	0	0	0	1	2	85	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
MARSH COURT	0	730	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BUTTHOUSE	0	0	0	1	0	1	0	0	0	0	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOWER CHADNOR	0	480	0	0	0	2	0	0	0	0	3	315	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

RIVER STOUR

Site Name	FARMYARDS (No)	SLURRY LAGOON (No)	SILAGE CLAMP (No)	SILAGE BAGS (+/-)	MANURE/SILAGE HEAPS (No)	SEWAGE TREATMENT WORKS (+/-)	SEPTIC TANK (+No)	AGRICULTURAL DRAIN (No)	INPUT PIPES (No)	SLURRY SPREADING (+/-)	ORGANIC FERTILISATION (+/-)	ARTIFICIAL FERTILISATION (+/-)	CROP SPRAYING (+/-)	BRACKEN SPRAYING (+/-)	HERBICIDE APPLICATION (+/-)	REFUSE TIP (No)	BANK POACHING (m)	LIVESTOCK DRINKING BAYS (No)	DRINKING TROUGHS (No)	STABLES (No)	COOP/PEN/POULTRYHOUSE(No)	DEAD LIVESTOCK (+/-)	ORGANIC POLLUTION (+/-)	MILKY WATER (+/-)	WATER ODOUR (+/-)	FOAM /SCUM(+/-)	OCIRE (+/-)	INSTREAM OIL (+/-)	LARGE INSTREAM LITTER (+/-)
NOON HILL	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
WEST KNOYLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	1	0	0	0	0	0	0	0	1	0	0	0
MIDDLEMARSH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRANBORNE COMMON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
COCKROAD WOOD	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	1	1	0
FERNDOWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CANNON HILL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
HOLT HEATH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARSH FARM	0	0	0	0	1	0	1	4	0	0	0	0	0	0	0	0	170	1	0	2	0	0	0	1	0	1	0	0	0
LYMBURGH FARM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
BARROW LANE	0	0	0	0	1	0	0	2	1	0	1	1	0	0	0	0	170	0	0	0	0	0	0	0	0	0	0	0	1
STOUR ROW	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	10	0	1	0	0	0	0	0	0	0	0	0	0
STOUR PROVOST	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEST END	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4	0	0	0	1	0	1	0	0	1	0	0
HAMMOND STREET FARM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	500	0	0	0	0	0	0	0	0	0	0	1	0
KNACKERS' HOLE	0	0	0	0	1	0	0	2	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	1	0	0	0
GOLD HILL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LUGMARSH FARM	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	1	0	0	0
MARSH COURT	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0
THORNHILL	0	0	0	0	0	0	0	4	0	0	0	0	0	0	1	0	0	0	3	0	0	1	0	0	0	0	0	0	0
BELCHALWELL	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	150	0	0	0	0	1	0	1	0	0	0	0	0
HAYS	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
SHARNHILL GREEN	1	3	0	0	0	0	0	9	1	0	0	0	0	0	0	0	520	0	2	0	0	1	1	1	1	1	0	0	0
BEDCHESTER	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	10	0	1	0	0	0	1	1	1	1	1	1	1
THE MIDDLES	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	1
RIVERS' CORNER	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	1	0	0	0	0
CANNING'S COURT	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	1	0	0	0	0	0	0
SHAPWICK	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	10	1	0	0	0	1	0	1	0	0	0	0	0
MILL FARM	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0
LITTLE PAMPHILL	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	70	1	0	0	0	0	0	0	0	1	1	0	0
WILKIN THROOP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0
SEDGEHILL	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	100	1	0	0	0	0	0	0	0	0	0	0	0
EAST STOUR	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	50	0	0	0	0	0	1	0	1	0	0	0	0
CHARNAGE	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	20	0	0	0	0	0	0	0	0	1	0	0	0
HOLTWOOD FARM	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
WITCHAMPTON	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
WIMBORNE ST.GILES	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	830	0	0	0	0	0	0	0	1	0	0	1	0
WHITE KENNELS	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	90	0	0	0	0	0	0	0	0	0	0	0	1

RIVER STOUR (cont)

Site Name	DREDGED (m)	REALIGNED/CHANNELISED (m)	ARTIFICIAL BANKS (m)	VEHICULAR FORDS (No)	ROAD BRIDGES (No)	VEHICULAR BRIDGES (No)	ROAD DRAINAGE (+/-)	TRACK DRAINAGE (+/-)	EROSION GULLIES (m)	FOOTBRIDGES (No)	CULVERTS (No)	CULVERTING (m)	PUMPING STATIONS (No)	WATER PUMPS (No)	ABSTRACTION (+/-)	FLOW AUGMENTATION (+/-)	RESERVOIRS (No)	WELL (+/-)	DAMS (No)	CONCRETE WEIR (+/-)	SLUICE (+/-)	FELLING (+/-)	URBANISATION (+/-)	DERELICT BUILDINGS (+/-)	CARAVANS (No)	EARTHWORKS/BUILDING (+/-)	SCRAMBLES COURSE (+/-)
NOON HILL	0	2300	0	0	0	4	0	0	0	1	9	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEST KNOYLE	0	1340	0	1	0	2	0	0	0	1	3	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIDDLEMARSH	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRANBORNE COMMON	10	0	0	0	0	1	0	0	0	0	5	50	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
COCKROAD WOOD	0	0	0	0	0	1	0	0	60	0	4	58	0	1	0	0	0	0	3	0	0	0	0	0	0	0	0
FERNDOWN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CANNON HILL	0	0	0	0	0	0	0	0	200	0	2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HOLT HEATH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARSH FARM	0	0	0	0	0	8	0	0	0	0	9	95	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0
LYMBURGH FARM	100	350	0	0	0	7	0	0	0	0	9	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BARROW LANE	0	650	0	1	0	3	0	0	0	3	4	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STOUR ROW	0	0	0	0	0	6	0	0	0	2	6	60	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
STOUR PROVOST	0	300	0	0	0	3	0	0	0	0	5	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEST END	0	0	0	0	0	12	0	0	0	1	14	134	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAMMOND STREET FARM	0	250	0	0	0	4	0	0	0	1	6	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNACKERS' HOLE	0	680	0	0	0	6	0	0	0	0	6	60	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0
GOLD HILL	0	0	0	0	0	2	0	0	0	1	3	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LUGMARSH FARM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARSH COURT	0	0	0	0	0	4	0	0	0	0	4	40	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
THORNHILL	0	0	0	0	0	11	0	0	0	0	11	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BELCHALWELL	0	0	0	0	0	3	0	0	0	0	6	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAYS	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHARNHILL GREEN	0	0	0	0	0	9	0	0	0	0	11	112	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0
BEDCHESTER	10	200	0	0	0	0	0	0	0	5	7	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
THE MIDDLES	0	1030	0	0	0	4	0	0	0	1	4	40	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
RIVERS' CORNER	0	0	0	0	0	0	0	0	0	5	1	20	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
CANNING'S COURT	0	900	0	0	0	6	0	0	0	2	6	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHAPWICK	0	0	0	0	0	1	0	0	0	0	2	20	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
MILL FARM	0	0	0	0	0	1	0	0	0	2	2	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LITTLE PAMPHILL	0	550	0	0	0	1	0	0	0	1	1	10	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
WILKIN THROOP	0	1400	0	0	1	2	0	0	0	2	4	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEDGEHILL	0	780	0	0	0	3	0	0	0	2	3	30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
EAST STOUR	200	0	0	0	0	1	0	0	0	0	6	230	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHARNAGE	0	550	0	0	0	1	0	0	0	0	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HOLTWOOD FARM	0	0	0	0	0	1	0	0	18	0	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WITCHAMPTON	0	500	0	0	0	1	0	0	0	2	3	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WIMBORNE ST. GILES	0	0	0	1	0	2	0	0	0	2	4	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHITE KENNELS	0	40	0	0	0	9	0	0	0	7	9	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0