

# Appendix 6

## Staff list at 31 March 1998

### Management/Administration

#### Director, Windermere Laboratory

Prof A D Pickering Band 2 (S)

#### Head of Regional Laboratories

Prof J Hilton Band 3 (S)

#### Secretary to Director

Mrs M Thompson Band 7 (A)

#### (Windermere)

Mrs Y Dickens Band 8 (A) Pt  
Miss L M Baldwin Band 8 (A)  
Mrs S M Dent Band 8 (T) Pt  
Mrs J C Rhodes Band 8 (T) Pt  
Miss K Ross Band 8 (A)\*

#### (River Laboratory)

Mrs D M Morton Band 7 (A)  
Mrs S Smith Band 8 (A)  
Miss D M Sturmeay Band 8 (A)  
Mrs S A Taylor Band 9 (A) Pt

#### Finance Officer

Mr C J Moakes Band 5 (A)

#### Finance and Establishments

Ms P Parry Band 7 (A)  
Mrs S Handley Band 8 (A) Pt  
Mrs A E Taylor Band 8 (A) Pt  
Mrs N J Thexton Band 8 (A)

#### Acting FBA Director

Prof C S Reynolds Band 3 (S)

### Fish Biology

#### Division Head

Prof J M Elliott Band 3 (I)  
Mrs M A Hurley Band 4 (S) Pt  
Dr M Ladle Band 4 (S)  
Dr T G Pottinger Band 4 (S)  
Dr J S Welton Band 4 (S)  
Dr I J Winfield Band 4 (S)  
Mr W R C Beaumont Band 5 (S)  
Mr T R Carrick Band 5 (S)  
Mr P R Cubby Band 6 (S)  
Dr A T Ibbotson Band 6 (S)  
Miss J M Fletcher Band 7 (S)  
Mr A C Pinder Band 7 (S)  
Mr J E G Masters Band 8 (S)  
Dr P Garner RF\*  
Dr C G M Paxton RF\*  
Mr T M Beaumont RS  
Mr M Longshaw RS  
Mr S Walker RS\*

### Microbial Ecology

#### Division Head

Prof B J Finlay Band 3 (I)  
Prof C S Reynolds Band 3 (I)  
Dr S C Maberly Band 4 (S)

Dr R W Pickup Band 4 (S)  
Mr K J Clarke Band 5 (S)  
Dr G H Hall Band 5 (S)  
Dr A E Irish Band 6 (S)  
Mrs J E Parker Band 6 (S)  
Mrs M M Dent Band 7 (S)  
Mrs R M Hindle Band 7 (S) Pt  
Mrs H E H Mallinson Band 7 (S)  
Mr T Marsh Band 8 (S)  
Dr G F Esteban RF  
Dr J Porter RF  
Dr G Rhodes RF\*  
Mr S Ball RS  
Mr M Child RS  
Mr J Cotton RS  
Miss P S Davies RS  
Mr A J Elliott RS  
Miss L A Fear RS\*  
Mr C Hinchcliffe RS  
Mr R Howarth RS\*  
Miss R Meade RS  
Miss W Pagen RS  
Miss E Scott RS  
Mr R E Skidmore RS  
Miss C Whitby RS

#### Culture Collection of Algae and Protozoa

Dr J G Day Band 5 (S)  
Dr S Brown Band 6 (S)  
Ms C Butterwick Band 6 (S)  
Ms A Cook Band 8 (S) Pt  
Ms J Tompkins Band 8(A) Pt  
Mr R A Fleck RS

#### Fritsch Collection of Algal Illustrations

##### Honorary Curator

Dr J W G Lund\*  
Mrs E G Devlin Band 8 (S)Pt  
Mrs E B Monaghan Band 8 (S)Pt

#### Aquatic Processes

##### Division Head

Dr E W Tipping Band 3 (I)  
Dr D G George Band 4 (S)  
Mr B M Simon Band 5 (S)  
Mr C P Woolf Band 5 (S)  
Ms D P Hewitt Band 6 (S)  
Mr E Rigg Band 6 (S)  
Mr A J Lawlor Band 7 (S)  
Mr S Lofts Band 7 (S)  
Mr S Bryan RS\*  
Mr F L Charlton RS  
Mr R D Hedger RS  
Mr D M John RS  
Miss V Reid RS\*  
Mr M J Scott RS  
Miss R Stidson RS

**Ecosystem Management***Division Head*

Prof J Hilton	Band 3 (S)
Dr W A House	Band 3 (I)
Dr P D Armitage	Band 4 (S)
Dr A E Bailey-Watts	Band 4 (S)
Mr R T Clarke	Band 4 (S)
Dr F H Dawson	Band 4 (S)
Mr M T Furse	Band 4 (S)
Dr L C V Pinder	Band 4 (S)
Dr J F Wright	Band 4 (S)
Mr J A B Bass	Band 5 (S)
Mr I S Farr	Band 5 (S)
Mr R J M Gunn	Band 5 (S)
Dr L May	Band 5 (S)
Mr J H Blackburn	Band 6 (S)
Mr I D M Gunn	Band 6 (S)
Mr P Henville	Band 6 (S)
Dr G P Irons	Band 6 (S)
Mr A Kirika	Band 6 (S)
Mr D V Leach	Band 6 (S)
Mr A A Lyle	Band 6 (S)
Dr J T Smith	Band 6 (S)
Mrs K L Symes	Band 6 (S)
Mr J Bowker	Band 7 (S)
Mr G D Collett	Band 7 (S)
Mr D R Orr	Band 7 (S)
Dr J M Winder	Band 7 (S)
Mr M J Bowes	Band 8 (S)
Mr M J Gravelle	Band 8 (S)
Mr I T Harris	Band 8 (S)
Mr P M Scarlett	Band 8 (S)
Mr R Wiggers	Band 8 (S)
Dr S S C Harrison	RF
Mr C Breerton	RS
Miss C E Cannan	RS
Mr D Clarke	RS
Mr S Clough	RS
Miss E Hawtin	RS*
Miss W Lester	RS
Miss J Long	RS
Mr D Short	RS
Miss S L Woodruff	RS

**Laboratory Services***Windermere Laboratory*

Mr M A Rouen	Band 5 (S)
Mr P V Allen	Band 6 (T)
Mr M J Lee	Band 6 (T)
Mr B M Godfrey	Band 6 (T)
Mr T I Furnass	Band 7 (T)
Mr J Crompton	Band 7 (T)
Mr P M Hodgson	Band 7 (T)
Mr G M Waimann	Band 7 (T)
Mr J B James	Band 8 (S)
Mr J L Kelly	Band 8 (T)Pt
Mr D V Abel	Band 9 (T)
Mrs N E Chapman	Band 9 (T)
Mr S Thomson	Band 9 (T)Pt

*Library*

Mr I D McCulloch	Band 7 (L)
Miss C M Williams	Band 7 (L)
Mrs K Crompton	Band 8(A) Pt
Mrs O Jolly	Band 8(A) Pt

Mr I Pettman	FBA Pt*
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*River Laboratory*

Mr G A Richards	Band 9(T)
Mrs J Whitmarsh	Band 9(T) Pt

**Honorary Research Fellows****FBA**

Dr A D Berrie*
Mr T Gledhill*
Dr E Y Haworth*
Dr J W G Lund*
Dr H M Lund*
Dr J F Talling*
Dr L G Willoughby*

**Abbreviations:**

S	Scientific
A	Administration
L	Librarian
T	Technologist
I	Individual Merit Promotee
Pt	Part-time
RF	Research Fellow
RS	Research Student
*	FBA – not IFE establishment

# Appendix 7

## Research projects at 31 March 1998

### Programme 1 :

#### Soil and Soil-Vegetation Interactions

Theme 1.1	Physicochemical processes affecting soil/water interactions
Issue 1.1.1	Solid-solution partitioning of chemical species
Issue 1.1.2	Organic matter decomposition and the production of humic substances

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### Programme 2 :

#### Land Use Science

Theme 2.1	Long-term and large-scale monitoring of land use
Issue 2.1.1	National-scale survey of land use and cover
Theme 2.2	Land use systems
Issue 2.2.3	Impacts of land use (change and management)

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### Programme 3 :

#### The Urban Environment

Theme 3.4	Urban water dynamics, risk and hazard
Issue 3.4.1	Low flows and pollution loads

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### Programme 4 :

#### Freshwater Resources

Theme 4.4	Integrated water quality monitoring
Issue 4.4.1	Monitoring and assessment
Issue 4.4.2	Understanding processes
Issue 4.4.3	Development and application of models
Theme 4.5	Integrated biotic response modelling
Issue 4.5.1	Flow resistance in channels and river ecosystems health
Issue 4.5.2	Integration of models of water quantity, quality and biotic variability
Issue 4.5.3	Improvement and diversification of biotic models
Issue 4.5.4	Biotic responses to long-term environmental change
Issue 4.5.5	Maintenance of knowledge base
Theme 4.6	Fish dynamics
Issue 4.6.1	Fish population dynamics
Issue 4.6.2	Acoustic deflection and counting of migrating smolts
Issue 4.6.3	Determination of habitat requirement
Issue 4.6.4	Physiological performance of freshwater fish
Issue 4.6.5	Models of growth and survival

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### Programme 5 :

#### Biodiversity and Population Processes

Theme 5.1	Biodiversity characterisation, pattern and monitoring
Issue 5.1.1	Species richness in relation to environmental factors
Issue 5.1.2	Biodiversity of communities and resilience to environmental change

<b>Theme 5.2</b>	<b>Ecosystem function and biodiversity</b>
Issue 5.2.2	Role of microbial diversity and dynamics with respect to ecosystem function
<b>Theme 5.4</b>	<b>Conservation and restoration of biodiversity</b>
Issue 5.4.1	Single-species conservation programmes: monitoring and evaluation

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**Programme 6 :  
Pest and Disease  
Control and Risk  
Assessment for GMOs**

<b>Theme 6.1</b>	<b>The development of sustainable insect pest management strategies</b>
Issue 6.1.4	Ecological impact of microbial control agents for disease vectors
<b>Theme 6.3</b>	<b>Environmental impact of GMOs and potentially invasive species</b>
Issue 6.3.3	Development and risk assessment of genetically modified bacteria
<b>Theme 6.5</b>	<b>Distribution of pathogens in freshwater</b>
Issue 6.5.1	Monitoring and risk assessment of pathogens in freshwater
Issue 6.5.2	Development of novel methods for detecting viruses in water

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**Programme 7 :  
Pollution Assessment  
and Control**

<b>Theme 7.1</b>	<b>Radionuclides</b>
Issue 7.1.1	Parameterisation of radionuclide contamination and transfer
Issue 7.1.4	Development of countermeasures
<b>Theme 7.2</b>	<b>Acidifying pollutants</b>
Issue 7.2.5	Surface water and catchment-scale impacts
<b>Theme 7.4</b>	<b>Toxic metals</b>
Issue 7.4.1	Transport and deposition
Issue 7.4.2	Soil and aquatic processes and soil-plant transfers
<b>Theme 7.5</b>	<b>Organic pollutants</b>
Issue 7.5.2	Transport and food-chain transfer
Issue 7.5.3	Biological degradation and transformation
Issue 7.5.4	Physico-chemical processes controlling transport in soils and waters
Issue 7.5.5	Catchment-scale processes
Issue 7.5.6	Ecotoxicology and environmental standards

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**Programme 9 :  
Global Change**

<b>Theme 9.3</b>	<b>Forecasting and detecting the impacts of global change</b>
Issue 9.3.1	Regional hydrology and freshwater quality
Issue 9.3.4	Ecosystem responses to elevated CO <sub>2</sub>

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**Programme 10 :  
Integrating Generic  
Science**

<b>Theme 10.1</b>	<b>Environmental assessment, economics and history</b>
Issue 10.1.1	Environmental valuation and quantitative prediction of environmental impacts
Issue 10.1.4	Historical land use change and environmental policy

**Theme 10.3 Instrumentation**

Issue 10.3.1 Intelligent sensor clusters

**Theme 10.5 Analytical chemistry**

Issue 10.5.3 Trace metal distribution and speciation

Issue 10.5.4 Bioavailability of nutrients and pollutants

Issue 10.5.5 Sample matrices

**Theme 10.6 Databases and reference collections**

Issue 10.6.1 Integrity and accessibility of databases and collections within CEH

Issue 10.6.3 Environmental management

Issue 10.6.4 Microbial diversity

**Theme 10.7 Biometrical applications, research and development**

Issue 10.7.1 Biometrical collaboration

# Appendix 8

## Scientific Papers

(P) Peer Reviewed

- Armitage P.D. 1994  
Worms in my butt. *BBC Wildlife* 12(8) p15
- Armitage P.D., Blackburn J.H. & Symes K.L. 1997  
Freshwater biological monitoring of the Furzebrook stream (South Dorset) using macroinvertebrates. *Proceedings of the Dorset Natural History and Archaeological Society* 118 125-131
- Armitage P.D. & Hogger J. 1994  
Invertebrate ecology and survey. In: *The new rivers and wildlife handbook* (ed. RSPB, NRA & RSNC) p85-97. Sandy. RSPB.
- Barcelo D., House W.A., Maier E.A. & Griepink B. 1995  
Preparation, homogeneity and stability studies of freeze-dried water containing pesticides. *Fresenius Journal of Analytical Chemistry* (P)
- Bass J.A.B., Leach D.V. & Pinder L.C.V. 1997  
The invertebrate community of submerged *Nuphar lutea* (L.) leaves in the river Great Ouse. *Regulated Rivers Research and Management* 13 259-266 (P)
- Bass J.A.B., Pinder L.C.V. & Leach D.V. 1997  
Temporal and spatial variation in zooplankton populations in the river Great Ouse: an ephemeral food resource for larval and juvenile fish. *Regulated Rivers Research and Management* 13 245-258 (P)
- Beaumont W.R.C., Welton J.S. & Ladle M. 1992  
The exploitation by rod and line of Atlantic salmon (*Salmo salar* L.) in a southern chalk stream. In: *Joint Atlantic Salmon Trust/Royal Irish Academy workshop on the measurement and evaluation of the exploitation of Atlantic salmon, Dublin, April 1991*
- Biagini G.A., McIntyre P.S., Finlay B.J. & Lloyd D. 1998  
Carbohydrate and amino acid fermentation in the free-living primitive protozoon *Hexamita* sp. *Applied and Environmental Microbiology* 64(1) 203-207 (P)
- Biagini G.A., Suller M.T.E., Finlay B.J. & Lloyd D. 1997  
Oxygen uptake and antioxidant responses of the free-living diplomonad *Hexamita* sp. *Journal of Eukaryotic Microbiology* 44(5) 447-453 (P)
- Bilyi I.Ya., Comans R.N.J., Hilton J. & Voitsekhovitch O.V. 1997  
Modelling of Chernobyl radiocaesium behaviour in catchment-lake-sediment system Devoke Water (Cumbria, UK). In: *Freshwater and estuarine radioecology* (ed. G. Desmet, R.J. Blust, R.N.J. Comans, J.A. Fernandez, J. Hilton & A. De Bettencourt) p449-459. Amsterdam. Elsevier. (P)
- Blundell N.J., Worsfold P.J., Casey H. & Smith S.M. 1995  
The design and performance of a portable, automated flow injection monitor for the in situ analysis of nutrients in natural waters. *Environment International* 21(2) 205-209 (P)
- Bratton J.H. & Elliott J.M. 1991  
*Placobdella costata* and *Hirudo medicinalis*. In: *British red data books: 3. Invertebrates other than insects*. Peterborough. Joint Nature Conservation Committee.
- Bryan N.D., Hesketh N., Livens F.R., Tipping E. & Jones M.N. 1998  
Metal ion-humic substance interaction – a thermodynamic study. *Journal of the Chemical Society – Faraday Transactions* 94(1) 95-100 (P)
- Bryant C.L., Farmer J.G., Mackenzie A.B., Bailey-Watts A.E. & Kirika A. 1997  
Manganese behavior in the sediments of diverse Scottish freshwater lochs. *Limnology and Oceanography* 42(5) 918-929 (P)
- Canter H.M. & Haworth E.Y. 1992  
Another species of *Aulacoseira* found in Windermere (English Lake District). *Freshwater Forum* 2(1) p21 (P)
- Carling P.A., Glaister M.S., et al. 1995  
River bed level changes in a high gradient channel. In: *Coherent flow structures* (ed. J. Best & P. Ashworth) Chichester. John Wiley and Sons. (P)
- Carling P.A., Kelsey A. & Glaister M.S. 1992  
Effect of bed roughness, particle shape and orientation on initial motion criteria. In: *Dynamics of gravel bed rivers* (ed. P. Billi, R.D. Hey, C.R. Thorne & P. Tacconi) Chichester. John Wiley & Sons Ltd. (P)

- Chamier A.C. & Tipping E. 1997  
Effects of aluminium in acid streams on growth and sporulation of aquatic hyphomycetes. *Environmental Pollution* 96(3) 289-298 (P)
- Clissman C., Murray R., Davidson E., Hands J., Sijtsma O., Noordzij A., Moulton R., Shanawa S., Darzentas J. & Pettman I. 1997  
The UNiVerse Project: state-of-the-art of the standards, softwares and systems which will underpin the development. Part1: Z39.50;WWW integration with Z39.50; and unicode. *New Library World* 98(1138) 267-274 (P)
- Comans R.N.J., Hilton J., Cremers A., Geelhoed-Bonouvrie P.A. & Smith J.T. 1997  
Interpreting and predicting *in situ* distribution coefficients of radiocaesium in aquatic systems. In: *Freshwater and estuarine radioecology. Proceedings of an international seminar, Lisbon, Portugal, 21-25 March 1994* (ed. G. Desmet, R.J. Blust, R.N.J. Comans, J.A. Fernandez, J. Hilton & A. De Bettencourt) Amsterdam. Elsevier Science. (P)
- Crisp D.T. 1992  
Measurement of stream water temperature and biological applications to salmonid fishes, grayling and dace (including ready reckoners). Ambleside. Freshwater Biological Association.
- Davison W., Spezzano P. & Hilton J. 1993  
Remobilization of caesium from freshwater sediments. *Journal of Environmental Radioactivity* 19(2) 109-124 (P)
- Day J.G. 1995  
The Culture Collection of Algae and Protozoa – a living resource. *Biol. Curat.* No.3 20-23 (P)
- Day J.G. & Fenwick C. 1993  
Cryopreservation of members of the genus *Tetraselmis* used in aquaculture. *Aquaculture* 118 151-160 (P)
- Day J.G., Watanabe M.M., Morris G.J., Fleck R.A. & McLellan M.R. 1997  
Long-term viability of preserved eukaryotic algae. *Journal of Applied Phycology* 9(2) 121-127 (P)
- Day J.G., Watanabe M.M. & Turner M.F. 1998  
Ex-situ conservation of protistan and cyanobacterial biodiversity: CCAP-NIES collaboration 1991-1997. *Phycological Research* 46(Suppl.) 77-83 (P)
- De Jonckheere J.F. & Brown S. 1997  
Defining new *Naegleria* spp. using ribosomal DNA sequences. *Acta Protozoologica* 36 273-278 (P)
- De Jonckheere J.F. & Brown S. 1998  
Three different group I introns in the nuclear large subunit ribosomal DNA of the amoeboflagellate *Naegleria*. *Nucleic Acids Research* 26(2) 456-461 (P)
- Deere D., Porter J., Pickup R.W. & Edwards C. 1997  
Measurement of cell surface hydrophobicity of *Aeromonas salmonicida*. *Journal of Fish Diseases* 20 393-397 (P)
- Desmet G., Blust R.J., Comans R.N.J., Fernandez J.A., Hilton J. & De Bettencourt A. 1997  
Freshwater and estuarine radioecology. Proceedings of an international seminar, Lisbon, Portugal, 21-25 March 1994. Amsterdam. Elsevier Science, 528p.
- Edwards C., Diaper J., Porter J., Deene D. & Pickup R.W. 1994  
Analysis of microbial communities by flow cytometry and molecular probes: identification, culturability and viability. In: *Beyond the biomass: compositional and functional analysis of soil microbial communities* (ed. K. Ritz, J. Dighton & K. Giller) Chichester. Wiley and Sons. (P)
- Edwards C., Porter J., Saunders J.R., Diaper J.P., Morgan J.A.W. & Pickup R.W. 1992  
Flow cytometry and microbiology. *Society for General Microbiology Quarterly* 19 105-108 (P)
- Elliott J.M. & Hurley M.A. 1997  
A functional model for maximum growth of Atlantic salmon parr, *Salmo salar*, from two populations in northwest England. *Functional Ecology* 11 592-603 (P)
- Elliott J.M. & Hurley M.A. 1998  
Population regulation in adult, but not juvenile, resident trout (*Salmo trutta*) in a Lake District stream. *Journal of Animal Ecology* 67 280-286 (P)
- Elliott J.M., Hurley M.A. & Elliott J.A. 1997  
Variable effects of droughts on the density of a sea-trout *Salmo trutta* population over 30 years. *Journal of Applied Ecology* 34 1229-1238 (P)
- Embley T.M. & Finlay B.J. 1994  
Systematic and morphological diversity of endosymbiotic methanogens in anaerobic ciliates. *Antonie van Leeuwenhoek* 64 261-271 (P)
- Esteban G.F. 1997  
María del Carmen Téllez Nogués. Una gran mujer – entusiasta del mundo microscópico (1944-1996). *Boletín Real Sociedad Española de Historia Natural* 94 59-63 (P)

- Esteban G.F. & Corliss J.O. 1997  
Mari Carmen Tellez (1944-1996).  
*Journal of Eukaryotic Microbiology*  
44(2) 168-169 (P)
- Esteban G.F., Fenchel T. & Finlay B.J.  
1997  
A comment on the morphology of  
some Mediterranean marine ciliates.  
*Cahiers de Biologie Marine* 38(3)  
215-216 (P)
- Esteban G.F. & Olmo J.L. 1997  
*Cristigera pleuronemoides* Roux,  
1901: a cosmopolitan ciliate that  
embraces at least three nominal  
species. *European Journal of*  
*Protistology* 33 426-431 (P)
- Esteban G., Clarke K.J. & Finlay B.J.  
1998  
Rapid techniques for the  
identification of Protozoa. In:  
*Techniques in microbial ecology* (ed.  
R.S. Burlage) p203-217. Oxford.  
University Press. (P)
- Farmer J.G., Mackenzie A.B.,  
Kesterton D., Poole J.J., Kirika A. &  
Bailey-Watts A.E. 1994  
Metal mining activity and the  
historical record in Loch Tay  
sediments: a preliminary  
assessment. *Environmental*  
*Geochemistry and Health* 16 p83 (P)
- Farmer J.G., Mackenzie A.B., Sugden  
C.L., Bryant C.L., Eades L.J., Bailey-  
Watts A.E. & Kirika A. 1993  
The history of environmental lead  
pollution in Scotland. In: *Proc. 9th*  
*Int. Conf. on Heavy Metals in the*  
*Environment* p212-214 (P)
- Fenchel T., Esteban G.F. & Finlay B.J.  
1997  
Local versus global diversity of  
microorganisms: cryptic diversity of  
ciliated Protozoa. *Oikos* 80(2) 220-  
225 (P)
- Fenchel T. & Finlay B.J. 1990  
Anaerobic free-living protozoa:  
growth efficiencies and the  
structure of anaerobic communities.  
*FEMS Microbiology Ecology* 74 269-  
276 (P)
- Fenchel T. & Finlay B.J. 1991  
The biology of free-living anaerobic  
ciliates. *European Journal of*  
*Protistology* 26 201-215 (P)
- Ferreira J.R., Lawlor A.J., Bates J.M.,  
Clarke K.J. & Tipping E. 1997  
Chemistry of riverine and estuarine  
suspended particles from the Ouse-  
Trent system, UK. *Colloids and*  
*Surfaces A: Physicochemical and*  
*Engineering Aspects* 120 183-198 (P)
- Finlay B.J. 1997  
The diversity and ecological role of  
Protozoa in fresh waters. In: *The*  
*microbiological quality of water* (ed.  
D.W. Sutcliffe) p113-125.  
Ambleside. Freshwater Biological  
Association. (P)
- Finlay B.J. 1998  
The global diversity of protozoa  
and other small species.  
*International Journal for*  
*Parasitology* 28 (P)
- Finlay B.J., Clarke K.J. & Simon B.M.  
1990  
The role of anaerobic protozoa in  
landfill. In: *Landfill microbiology: R*  
*and D workshop November 1989*  
(ed. P. Lawson & Y.R. Alston)  
Department of the Environment.
- Finlay B.J. & Embley T.M. 1992  
On protozoan consortia and the  
meaning of biodiversity. *Society for*  
*General Microbiology Quarterly*  
19(3) 67-69 (P)
- Finlay B.J. & Esteban G.F. 1998  
Planktonic ciliate species diversity  
as an integral component of  
ecosystem function in a freshwater  
pond. *Protist* 149 155-165 (P)
- Finlay B.J., Maberly S.C. & Cooper  
J.I. 1997  
Microbial diversity and ecosystem  
function. *Oikos* 80(2) 209-213 (P)
- Fleck R.A., Day J.G., Rana K.J. &  
Benson E.E. 1997  
Visualisation of cryoinjury and  
freeze events in the coenocytic alga  
*Vaucheria sessilis* using  
cryomicroscopy. *Cryo-Letters* 18(6)  
343-354 (P)
- Forrest M.B., Harper D.M. &  
Blackburn J.H. 1995  
A description of larval *Hydropsyche*  
*saxonica* McLachlan (Trichoptera:  
Hydropsychidae). *The Entomologist*  
114(3/4) 146-152 (P)
- Franco C., Esteban G. & Tellez C.  
1996  
Observaciones preliminares sobre la  
morfología, infraciliación y ciclo de  
vida de un *Prorodon* (Ciliophora,  
Prostomatida) bentónico. *Real*  
*Sociedad Española de Historia*  
*Natural Tomo Extraordinario* 53-  
56 (P)
- Franco C., Esteban G.F. & Tellez C.  
1998  
Morfología, infraciliación y ciclo de  
vida de *Prorodon magnus* Dragesco,  
1966 (Ciliophora, Prostomatida).  
*Boletín Real Sociedad Española de*  
*Historia Natural* 94 15-23 (P)
- Furse M.T., Fernandes J.N., Wright  
J.F. & Armitage P.D. 1990  
The use of aquatic macro-  
invertebrate assemblages for  
assessment of the environmental  
quality of rivers. In: *Water quality,*  
*assessment and management* p171-  
181. UNESCO.
- Garner P. 1996  
Diel patterns in the feeding and  
habitat use of 0-group fishes in a  
regulated river: the River Great  
Ouse, England. *Ecology of*  
*Freshwater Fish* 5(4) 175-182 (P)
- Garner P. 1997  
Effects of variable discharge on the  
velocity use and shoaling behaviour  
of *Phoxinus phoxinus*. *Journal of*  
*Fish Biology* 50(6) 1214-1220 (P)



- Garner P.** 1997  
Habitat use by 0+ cyprinid fish in the River Great Ouse, East Anglia. *Freshwater Forum* 8 2-27 (P)
- Garner P.** 1997  
Seasonal variation in the habitat available for 0+ *Rutilus rutilus* (L.) in a regulated river. *Aquatic Conservation* 7(3) 199-210 (P)
- George D.G.** 1997  
Bathymetric mapping using a compact airborne spectrographic imager (CASI). *International Journal of Remote Sensing* 18(10) 2067-2071 (P)
- George D.G. & Reynolds C.S.** 1997  
Zooplankton-phytoplankton interactions: the case for refining methods, measurements and models. *Aquatic Ecology* 31(1) 59-71 (P)
- Gledhill T. & Wiles P.R.** 1997  
Water-mites (Acari: Hydrachnidia) from Sri Lanka with descriptions of a new genus and two new species. *Arch. Hydrobiol. Suppl. (Monographic Studies)* 4 513-539 (P)
- Gobran G.R. & Tipping E.** 1993  
Modelling the chemistry of humic-rich soil leachates. *Applied Geochemistry Suppl.No.2* 121-124 (P)
- Guhl B.E., Finlay B.J. & Schink B.** 1994  
Seasonal development of hypolimnetic ciliate communities in a eutrophic pond. *FEMS Microbiology Ecology* 14(4) 293-306 (P)
- Gunn R.J.M. & Blackburn J.H.** 1997  
*Caenis pseudorivulorum* Kieffermuller (Ephem., Caenidae), a mayfly new to Britain. *Entomologist's Monthly Magazine* 133 97-100 (P)
- Hartley A.M., House W.A., Callow M.E., Leadbeater B.S.C., et al.** 1997  
Coprecipitation of phosphate with calcite in the presence of photosynthesizing green algae. *Water Research* 31(9) 2261-2268 (P)
- Hastings R., Hall G.H., Pickup R.W., McCarthy A.J. & Saunders J.R.** 1994  
Analysis of nitrifying communities in the freshwater environment by direct detection of specific ribosomal DNA sequences. In: *Abstracts 128th meeting, Society for General Microbiology, Cambridge* (P)
- Head I.M., Saunders J.R. & Pickup R.W.** 1998  
Microbial evolution, diversity, and ecology: a decade of ribosomal RNA analysis of uncultivated microorganisms. *Microbial Ecology* 35(1) 1-21 (P)
- Head I.M., Gray N.J., Pickup R.W. & Jones J.G.** 1995  
The biogeochemical role of *Achromatium oxaliferum*. In: *Organic geochemistry* (ed. J.O. Grimalt & C. Dorronsoro) p895-898. (P)
- Higgo J.J.W., Kinniburgh D., Smith B. & Tipping E.** 1993  
Complexation of  $\text{Co}^{2+}$ ,  $\text{Ni}^{2+}$ ,  $\text{UO}_2^{2+}$  and  $\text{Ca}^{2+}$  by humic substances in groundwaters. *Radiochimica Acta* 61 91-103 (P)
- Hilton J.** 1997  
Aquatic radioecology post-Chernobyl – a review of the past and a look to the future. In: *Freshwater and estuarine radioecology. Proceedings of an international seminar, Lisbon, Portugal, 21-25 March 1994* (ed. G. Desmet, R.J. Blust, R.N.J. Comans, J.A. Fernandez, J. Hilton & A. De Bettencourt) Amsterdam. Elsevier Science. (P)
- Hilton J.** 1993  
Aquatic radioecology research programmes funded by the European Community. In: *Proceedings of the workshop: hydrological impact of nuclear power plant systems. UNESCO, Paris, 1992. UNESCO SC-93/WS.51* UNESCO.
- Hilton J.** 1992  
Some considerations in developing a programme of conservation and management of inland waters. *Acta Limnologica Brasiliense* 5 19-24 (P)
- Hilton J.** 1993  
Vulnerable aquatic systems and the location of nuclear power stations. In: *Proceedings of the workshop: hydrological impact of nuclear power plant systems. UNESCO, Paris, 1992. UNESCO SC-93/WS.51* UNESCO.
- Hiorns W.D., Hastings R.C., Head I.M., McCarthy A.J., Saunders J.R., Pickup R.W. & Hall G.H.** 1995  
Amplification of 16S ribosomal RNA genes of autotrophic ammonia-oxidising bacteria from lakewater and sediments. *Microbiology* 141 2793-2800 (P)
- Hiorns W.D., Head I.M., Saunders J.R., McCarthy A.J., Hall G.H., Pickup R.W. & Embley T.M.** 1992  
Autotrophic ammonia oxidising bacteria in stratified eutrophic lakes: development of ribosomal RNA-directed oligonucleotide probes. In: *Gene transfers and environment* (ed. M.J. Gauthier) Springer-Verlag. (P)
- House W.A.** 1994  
The role of sediment-water interaction in the riverine transport of pesticides. In: *Proceedings of the environmental sedimentology. The interaction of water, sediment and waste. University of Reading, April 1994* 8p. (P)

- House W.A. 1993  
Solid/liquid reactions of environmental significance. In: *Research in chemical kinetics* (ed. R.C. Compton & G. Hancock) p107-161. Elsevier. (P)
- House W.A. & Denison F.H. 1997  
Nutrient dynamics in a lowland stream impacted by sewage effluent: Great Ouse, England. *Science of the Total Environment* 205 25-49 (P)
- House W.A. & Ou Z. 1992  
The partition of selected pesticides in an agricultural drainage system. In: *Bioremediation toxicology environmental fate ecology, joint meeting of SETAC-Europe, Potsdam, Germany*
- Huszar V.L.de M. & Reynolds C.S. 1997  
Phytoplankton periodicity and sequences of dominance in an Amazonian flood-plain lake (Lago Batata, Para, Brazil): responses to gradual environmental change. *Hydrobiologia* 346 169-181 (P)
- Iqbal S., Robinson J., Deere D., Saunders D.R., Edwards C. & Porter J. 1997  
Efficiency of the polymerase chain reaction amplification of the *uid* gene for detection of *Escherichia coli* in contaminated water. *Letters in Applied Microbiology* 24(6) 498-502 (P)
- Iwama G.K., Pickering A.D., Sumpter J.P. & Schreck C.B. 1997  
Fish stress and health in aquaculture. Cambridge. Cambridge University Press, 288p.
- Jones J.G. (ed.) 1997  
Advances in microbial ecology, volume 15. New York. Plenum Press, 376p.
- Jones J.G. 1994  
Freshwater ecology in Britain – the continuing debate. *Freshwater Forum* 4(1) 62-68 (P)
- Jones M.N., Birkett J.W., Wilkinson A.E., Hesketh N., Livens F., Bryan N.D., Lead J.R., Hamilton-Taylor J. & Tipping E. 1995  
Experimental-determination of partial specific volumes of humic substances in aqueous-solutions. *Analytica Chimica Acta* 314(3) 149-159 (P)
- Konoplev A., Bulgakov A., Hilton J., Comans R.N.J. & Popov V. 1997  
Long term kinetics of radiocesium fixation by soils. In: *Freshwater and estuarine radioecology. Proceedings of an international seminar, Lisbon, Portugal, 21-25 March 1994* (ed. G. Desmet, R.J. Blust, R.N.J. Comans, J.A. Fernandez, J. Hilton & A. De Bettencourt) Amsterdam. Elsevier Science. (P)
- Ladle M. 1997  
Extracts from my river diaries. *Journal of the Piscatorial Society* No.98 12-14
- Ladle M. 1991  
The rise and fall of the Blandford fly. *Magazine of the Branksome Park, Canford Cliffs and District Residents Association* 1991(August) 17-19
- Ladle M. 1991  
A trial control of *Simulium posticatum* using *Bti* in a sidestream of the River Stour, Dorset. In: *Proceedings of a meeting held by the British Simulium Group, November 1989*
- Ladle M. & Piddle Valley Local Agenda 21 1997  
The River Piddle – Contribution to management approach. Leaflet.
- Liukkonen M., Kairesalo T. & Haworth E.Y. 1997  
Changes in the diatom community, including the appearance of *Actinocyclus normanii f.subsalsa*, during the biomanipulation of Lake Vesijarvi, Finland. *European Journal of Phycology* 32(4) 353-361 (P)
- Lund J.W.G. 1996  
Felix Eugen Fritsch (1879-1954). In: *Prominent phycologists of the 20th Century* (ed. D.J. Garbary & M.J. Wynne) p21-28. Phycological Society of America.
- Maberly S.C. & Pettitt M. 1997  
The effect of ultraviolet radiation on *Asterionella formosa*. *The Phycologist* 46 22-23 (P)
- Maitland P.S. & Lyle A.A. 1991  
Conservation of spangling and other fish in Scotland. *Journal of the Edinburgh Natural History Society* 1991 16-18
- Malthus T.J. & George D.G. 1997  
Airborne remote sensing of macrophytes in Cefni Reservoir, Anglesey, UK. *Aquatic Botany* 58(3/4) 317-332 (P)
- Mann R.H.K. 1997  
Temporal and spatial variations in the growth of 0 group roach (*Rutilus rutilus*) in the river Great Ouse, in relation to water temperature and food availability. *Regulated Rivers Research and Management* 13 277-285 (P)
- Mann R.H.K. & Bass J.A.B. 1997  
The critical water velocities of larval roach (*Rutilus rutilus*) and dace (*Leuciscus leuciscus*) and implications for river management. *Regulated Rivers Research and Management* 13 295-301 (P)
- Mann R.H.K., Bass J.A.B., Leach D. & Pinder A.C. 1997  
Temporal and spatial variations in the diet of 0 group roach (*Rutilus rutilus*) larvae and juveniles in the river Great Ouse in relation to prey availability. *Regulated Rivers Research and Management* 13 287-294 (P)

- Marchesi J.R., White G.F., Russell N.J. & House W.A. 1997  
Effect of river sediment on the biodegradation kinetics of surfactant and non-surfactant compounds. *FEMS Microbiology Ecology* 23(1) 55-63 (P)
- Marker A.F.H. & Collett G.D. 1997  
Spatial and temporal characteristics of algae in the river Great Ouse. I. Phytoplankton. *Regulated Rivers Research and Management* 13 219-233 (P)
- Marker A.F.H. & Collett G.D. 1997  
Spatial and temporal characteristics of algae in the river Great Ouse. II. The epiphytic algal flora. *Regulated Rivers Research and Management* 13 235-244 (P)
- McCarthy A.J., Saunders J.R., Hall G.H., Pickup R.W., Head I.M. & Hiorns W.D. 1990  
16s ribosomal RNA gene probes for the detection of autotrophic ammonia oxidising bacteria – a tool for the study of non-culturable bacteria in aquatic ecosystems. In: *EERO Workshop. Molecular microbial ecology. Konigsutter, FRG.*
- McLellan M.R., Cowling A.J., Turner M.F. & Day J.G. 1991  
Maintenance of algae and protozoa. In: *Maintenance of microorganisms* (ed. B. Kirsop & A. Doyle) p183-208. London. Academic Press. (P)
- Mehner T. & Winfield I.J. (ed.) 1997  
Trophic interactions of age-0 fish and zooplankton in temperate waters. Proceedings of a Plankton Ecology Group (PEG) workshop, Dresden, Germany, 5-8 February 1996. *Ergebnisse der Limnologie* No.49 152p
- Monteith D.T., Renshaw M., Beaumont W.R.C. & Patrick S.T. 1997  
The United Kingdom Acid Waters Monitoring Network data report for 1995-1996 (year 8). London. ENSIS Ltd, 136p.
- Oldfield F., Darnley I., Yates G., France D.E. & Hilton J. 1992  
Storage diagenesis versus sulphide authigenesis: possible implications in environmental magnetism. *Journal of Paleolimnology* 7(3) 179-189 (P)
- Owen S.A., Russell N.J., House W.A. & White G.F. 1997  
Re-evaluation of the hypothesis that biodegradable surfactants stimulate surface attachment of competent bacteria. *Microbiology* 143 3649-3659 (P)
- Palmer M., Covich A.P., Finlay B.J., Gibert J., Hyde K.D., Johnson R.K., Kairesalo T., Lake S., Lovell C.R., Naiman R.J., Ricci C., Sabater F. & Strayer D. 1997  
Biodiversity and ecosystem processes in freshwater sediments. *Ambio* 26(8) 571-577 (P)
- Pardo I. & Armitage P.D. 1997  
Species assemblages as descriptors of mesohabitats. *Hydrobiologia* 344 111-128 (P)
- Patrick S., Juggins S., Jenkins A., Beaumont W.R.C., Monteith D.T., Gardner M. & Real M. 1995  
Summary of AWMN methodologies. In: *UK Acid Waters Monitoring Network: the first five years. Analysis and interpretation of results, April 1988 – March 1993* (ed. S. Patrick, D.T. Monteith & A. Jenkins) p19-27. London. ENSIS Publishing.
- Pearson M.J., Ferguson A.J.D., Codd G.A., Reynolds C.S., et al. 1990  
Toxic blue-green algae. Peterborough. NRA.
- Pettman I. 1992  
New Library World – vision, virtual reality and reality. *New Library World* 93 5-7 (P)
- Pettman I. 1992  
Scientific and technical libraries – encouraging intrapreneurial and entrepreneurial attitudes. *New Library World* 93 23-25 (P)
- Pickering A.D. 1990  
Fish health and the environment. *Nordiske Jordbrugsforskeres Forening, NJF-Utredning/Rapport No.61* (P)
- Pickering A.D. 1992  
Husbandry and stress in fish. In: *Recent advances in aquaculture* (ed. J.F. Muir & R.J. Roberts) p155-169. Oxford. Blackwell. (P)
- Pickering A.D. & Pottinger T.G. 1995  
Biochemical effects of stress. In: *Biochemistry and molecular biology of fishes. Volume 5. Environmental and ecological biochemistry* (ed. P.W. Hochachka & T.P. Mommsen) p349-379. Amsterdam. Elsevier. (P)
- Pickup R.W. 1995  
Sampling and detecting bacterial populations in natural environments. In: *Society for General Microbiology Symposium Series 52* p298-315. Cambridge. Cambridge University Press. (P)
- Pickup R.W., Rhodes G. & Saunders J.R. 1995  
Extraction of microbial DNA from aquatic sources. In: *Molecular microbial ecology manual* (ed. A.D.L. Akkermans, J.D. Van Elsas & F.J. De Bruijn) p1-11. Dordrecht. Kluwer. (P)
- Pinder L.C.V. 1991  
Chironomids (non-biting midges). In: *Gravel pit restoration for wildlife – a practical manual* (ed. J. Andres & D. Kinsman) p52-53. Sandy. RSPB.
- Pinder L.C.V. 1997  
Research on the Great Ouse: overview and implications for management. *Regulated Rivers Research and Management* 13 309-315 (P)
- Pinder L.C.V., Bass J.A.B., Leach D.V., House W.A., Farr I.S. & Orr D.R. 1992  
Strategic ecosystem studies of large, slow-flowing lowland rivers. Bristol. NRA, 62pp.

- Pinder L.C.V., Marker A.F.H., Mann R.H.K., Bass J.A.B. & Copp G.H. 1997  
The River Great Ouse, a highly eutrophic, slow-flowing, regulated, lowland river in eastern England. *Regulated Rivers Research and Management* 13 203-218 (P)
- Porter J.P., Edwards C. & Pickup R.W. 1995  
Rapid assessment of physiological status in *Escherichia coli* using fluorescent probes. *Journal of Applied Bacteriology* 79 399-408 (P)
- Porter J., Deere D., Hardman M., Edwards C. & Pickup R.W. 1997  
Go with the flow – use of flow cytometry in environmental microbiology. *FEMS Microbiology Ecology* 24 93-101
- Porter J., Mobbs K., Hart C.A., Saunders J.R., Pickup R.W. & Edwards C. 1997  
Detection, distribution and probable fate of *Escherichia coli* 0157 from asymptomatic cattle on a dairy farm. *Journal of Applied Microbiology* 83(3) 297-306 (P)
- Pottinger T.G. 1997  
Changes in water quality within anglers' keepnets during the confinement of fish. *Fisheries Management and Ecology* 4 341-354 (P)
- Pottinger T.G. 1997  
Fish welfare research programme: effects of retention of fish in keepnets. *R & D Technical Report, Environment Agency* W8 37p
- Pottinger T.G. & Brierley I. 1997  
A putative cortisol receptor in the rainbow trout erythrocyte: stress prevents starvation-induced increases in specific binding of cortisol. *Journal of Experimental Biology* 200(14) 2035-2043 (P)
- Prenda J., Armitage P.D. & Grayston A. 1997  
Habitat use by the fish assemblages of two chalk streams. *Journal of Fish Biology* 51(1) 64-79 (P)
- Raven P.J., Fox P., Everard M., Holmes N.T.H. & Dawson F.H. 1996  
River Habitat Survey: a new system for classifying rivers according to their habitat quality. In: *Freshwater quality: defining the indefinable?* London. HMSO. (P)
- Reynolds C.S. 1998  
Back from the brink – restoring the water quality in Windermere. *Cumbria Wildlife* 50 8-13
- Reynolds C.S. 1992  
The maintenance of species diversity in the phytoplankton. *Newsletter, UKFCC* 20 p3
- Reynolds C.S. 1995  
Pelagic vegetation processes. In: *Report of the PRIME workshop* (ed. C. Turley & D. Cushing) p2-3. Bangor. PRIME.
- Reynolds C.S. 1995  
Successional change in planktonic vegetation: species, structures, scales. In: *Molecular ecology of aquatic microbes* (ed. I. Joint) p115-132. Berlin. Springer. (P)
- Reynolds C.S. 1992  
Up and running. In: *Big steps for a small town* (ed. A.J. Dodds) p9-11. Kendal. South Lakeland District Council.
- Reynolds C.S. 1997  
Vegetation processes in the pelagic: a model for ecosystem theory. Oldendorf. Ecology Institute, 404p.
- Reynolds C.S. 1997  
On the vertical distribution of phytoplankton in the lakes of the Val do Rio Doce, Eastern Brasil. In: *Limnological studies at the Rio Doce Valley Lakes, Brazil* (ed. J.G. Tundisi & Y. Saijo) p226-241. Sao Paulo. ABC/USP.
- Reynolds C.S. & Glaister M.S. 1992  
Environments of larger UK rivers. Bristol. NRA, 80pp.
- Reynolds C.S. & Irish A.E. 1997  
Modelling phytoplankton dynamics in lakes and reservoirs: the problem of in-situ growth rates. *Hydrobiologia* 349 5-17 (P)
- Reynolds C.S., Padisak J. & Kobor I. 1994  
A localized bloom of *Dinobryon sociale* in Lake Balaton: some implications for the perception of patchiness and the maintenance of species richness. *Abstracta Botanica* 17 251-260 (P)
- Robards K., McKelvie I.D., Benson R.L., Worsfold P.J., Blundell N.J. & Casey H. 1994  
Determination of carbon, nitrogen and silicon species in waters. *Analytica Chimica Acta* 287 147-190 (P)
- Russell N.J., Marchesi J.R., House W.A. & White G.F. 1992  
Surfactant biodegradation in biofilms: modelling multiple interactions in laboratory microcosms [abstract]. In: *Abstracts of 6th international symposium on microbial ecology, Barcelona* p111. (P)
- Russell N.J., White G.F., Marchesi J.R. & House W.A. 1994  
Surfactant stimulation of biotransformation at surfaces. In: *Proc. 7th Int. Congress Bacteriology and Applied Microbiology and 7th Int. Congress Mycology, Prague, July 1994* (P)

- Saunders J.R., O'Sullivan H., Wakeman J., Sims Hart C.A., Virji M., Heckels J.E., Winstanley C., Morgan J.A.W. & Pickup R.W. 1994  
Flagella and pili as antigenically variable structures on the bacterial surface. *Journal of Applied Bacteriology Symposium Supplement* 74 33-42 (P)
- Saunders J.R., Winstanley C., Raitt F.C., Morgan J.A.W. & Pickup R.W. 1991  
Broad host range marker plasmids for assessment of survival and dispersal of Gram-negative bacteria. *Plasmid* 25 240-241 (P)
- Saxby-Rouen K.J., Leadbeater B.S.C. & Reynolds C.S. 1997  
The growth response of *Synura petersenii* (Synurophyceae) to photon-flux density, temperature and pH. *Phycologia* 36(3) 233-243 (P)
- Skidmore R.E., Maberly S.C. & Whitton B.A. 1997  
Light as an ecological factor controlling the productivity of river phytoplankton. *The Phycologist* 46 28-29 (P)
- Smith J.P., Appleby P.G., Battarbee R.W., Dearing J.A., Flower R.J., Haworth E.Y., Oldfield F. & O'Sullivan P.E. 1991  
Environmental history and palaeolimnology. Dordrecht. Kluwer Academic Publishers, 394p
- Smith J.T. 1997  
Comment on "Desorption and diffusion of episodic pollutants in sediments: a 3-phase model applied to Chernobyl Cs-137" by M.Meili and A.Worman. *Applied Geochemistry* 12(6) 857-859 (P)
- Smith J.T., Appleby P.G., Hilton J. & Richardson N. 1997  
Inventories and fluxes of Pb-210, Cs-137 and Am-241 determined from the soils of three small catchments in Cumbria, UK. *Journal of Experimental Radioactivity* 37(2) 127-142 (P)
- Spooner N., Rieley G., Collister J.W., Lander M., Cranwell P.A. & Maxwell J.R. 1994  
Stable carbon isotopic correlation of individual biolipids in aquatic organisms and a lake bottom sediment. *Organic Geochemistry* 21 823-827 (P)
- Stevenson A.C., Juggins J., Birks H.J.B., Andersen D.S., Andersen N.J., Battarbee N.W., Berge F., Davis R.B., Flower R.F., Haworth E.Y., et al. 1991  
The surface-water acidification project palaeolimnology programme: modern data/lake-water chemistry data set. London. Ensis Ltd.
- Talling J.F. 1992  
Cambios ecológicas del lago tropical más grande de Africa, el Victoria (química y control de producción de fitoplancton). *Ingeniera Hidraulica en Mexic* 7 101-106 (P)
- Tippling E., Berggren D., Mulder J. & Woof C. 1995  
Modelling the solid-solution distributions of protons, aluminium, base cations and humic substances in acid soils. *European Journal of Soil Science* 46 77-94 (P)
- Tyler C.R., Pottinger T.G., Coward K., Prat F., Bereford N. & Maddix S. 1997  
Salmonid follicle-stimulating hormone (GtH I) mediates vitellogenic development of oocytes in the rainbow trout, *Oncorhynchus mykiss*. *Biology of Reproduction* 57 1238-1244 (P)
- Underwood G.J.C. 1991  
Growth enhancement of the macrophyte *Ceratophyllum demersum* in the presence of the snail *Planorbis planorbis*: the effect of grazing and chemical conditioning. *Freshwater Biology* 26(2) 325-334 (P)
- Underwood G.J.C. 1991  
Note: colonization and invasion of leaves of the aquatic macrophyte *Ceratophyllum demersum* L. by epiphytic bacteria. *Microbial Ecology* 21(3) 267-275 (P)
- Van der Post K.D., Oldfield F., Haworth E.Y., Crooks P.R.J. & Appleby P.G. 1997  
A record of accelerated erosion in the recent sediments of Blelham Tarn in the English Lake District. *Journal of Paleolimnology* 18 103-120 (P)
- Webster S.D. 1991  
*Ranunculus penicillatus* (Dumort.) Bab. in Ireland. *Irish Naturalists' Journal* 23(9) 346-354
- Welton J.S., Beaumont W.R.C. & Clarke R.T. 1992  
Factors affecting the upstream migration of salmon in the River Frome, Dorset. In: *Atlantic Salmon Trust/Wessex Water workshop, Bristol, April 1989* p34-36.
- Willoughby L.G. 1997  
*Achlya diffusa* (Fungi, Oomycota) from fish ponds in Thailand. *Nova Hedwigia* 64(3/4) 467-471 (P)
- Winder J.M. 1997  
Oysters and other marine molluscs. In: *Excavations at Hamwic, Volume 2: excavations at Six Dials* (ed. P. Andrews) p60-62. Council for British Archaeology. (P)
- Winstanley C., Morgan J.A.W., Pickup R.W. & Saunders J.R. 1994  
Molecular cloning of two *Pseudomonas* flagellin genes and basal body structural genes. *Microbiology* 140 2019-2031 (P)
- Winstanley C., Morgan J.A.W., Raitt F.C., Carter J.C., Pickup R.W., Jones J.G. & Saunders J.R. 1990  
A broad host range plasmid for monitoring the fate of genetically engineered microorganisms. *J.Sci.Fd Agric.* 50 134-135 (P)

Wood P.J. & Armitage P.D. 1997  
Biological effects of fine sediment  
in the lotic environment.  
*Environmental Management* 21 203-  
217 (P)

Zhmud B.V., House W.A. & Denison  
F.H. 1997  
Release kinetics and concentration  
profile of dissolved silicon in  
compacted sediments. *J. Chem. Soc.,  
Faraday Trans.* 93(9) 3473-3478 (P)

Zhmud B.V., House W.A. &  
Sevastyanova E.B. 1997  
Interaction of flutriafol with the  
surface of silica and layer silicates.  
*Colloids and Surfaces A -  
Physicochemical and Engineering  
Aspects* 127(1/3) 187-199 (P)

Zhmud B.V., Sonnefeld J. & House  
W.A. 1997  
Role of ion hydration in the charge  
regulation at the surface of porous  
silica gel. *J. Chem. Soc., Faraday  
Trans.* 93(17) 3129-3136 (P)

## Contract Reports

Armitage P.D. & Blackburn J.H. 1997  
*Freshwater biological monitoring of  
the Furzebrook Stream (South  
Dorset) using macroinvertebrates.*  
22p. Royal Society for the  
Protection of Birds.

Armitage P.D., Cannan C.A. & Symes  
K.L. 1997  
*Appraisal of the use of ecological  
information in the management of  
low flows in rivers.* 10p, 4  
appendices. Environment Agency.

Armitage P.D., Cannan C.A. & Symes  
K.L. 1997  
*Appraisal of the use of ecological  
information in the management of  
low flows in rivers.* 97p, 4  
appendices. Environment Agency.

Armitage P.D., Symes K.L. & Lowans  
L. 1997  
*Environmental characterisation of  
urban freshwater sites in Great  
Britain (environmental  
characteristics of urban  
environments: first year report).* 33p,  
4 appendices. Institute of  
Freshwater Ecology.

Bailey-Watts A.E. & Kirika A. 1995  
*A re-assessment of the phosphorus  
loading to Loch Leven, Kinross  
(Tayside), 1994.* 4p. Scottish  
Natural Heritage/Forth River  
Purification Board.

Bailey-Watts A.E. & Kirika A. 1996  
*A re-assessment of the phosphorus  
loading to Loch Leven, Kinross  
(Tayside), 1995.* 30p, 18 figures.  
Scottish Natural Heritage/Forth  
River Purification Board.

Bailey-Watts A.E., Lyle A.A., Kirika A.  
& Gunn I.D.M. 1993  
*Sensitivity of lentic waters.* 24p, 3  
tables, 8 figures. The Scottish  
Office, Environment Department.

Bass J.A.B. 1997  
*An assessment of macroinvertebrates  
in the River Calder following a fish  
kill in July 1997.* 14p. British  
Nuclear Fuels Plc.

Bass J.A.B. & Collett G.D. 1997  
*Habitat studies in the River Thames:  
in relation to a Severn-Thames  
transfer. Final report.* 45p, 3  
appendices. Environment Agency  
Thames Region.

Bass J.A.B., May L., Esteban G. &  
Collett G.D. 1997  
*Zooplankton interactions in the  
River Thames. Final report.* 66p, 2  
appendices. Environment Agency  
Thames Region.

Beaumont W.R.C., Lee M.J. & Rouen  
M.A. 1997  
*Development of lightweight backpack  
electric fishing gear.* 143p, 3  
appendices. Environment Agency.

Beaumont W.R.C. & Pinder A. 1998  
*Acid waters monitoring 1997. Report  
on fish studies.* 27p. ENSIS Ltd.

Blackburn J.H., Armitage P.D. &  
Bradley D. 1997  
*Radipole Lake invertebrate sampling  
pilot study.* 5p, 2 tables, 1 figure.  
Royal Society for the Protection of  
Birds.

Clarke R.T., Beaumont W.R.C. &  
Masters J.E.G. 1997  
*Back-calculating fish lengths and  
instantaneous growth rates using  
Minitab exec files.* 9p. Institute of  
Freshwater Ecology.

Clarke R.T., Cox R., Furse M.T.,  
Wright J.F. & Moss D. 1997  
*RIVPACS III+. River Invertebrate  
Prediction And Classification System  
with error assessments. User manual.*  
64p, 7 appendices. Environment  
Agency.

Dawson F.H., Newman J.R. &  
Gravelle M.J. 1996  
*Mean trophic rank macrophyte  
survey: an assessment of the trophic  
status of rivers using macrophytes.*  
29p. Environment Agency.

Day J.G. 1998  
*In vitro minimum inhibitory  
concentration (MIC) study of  
bronopol to Saprolegnia parasitica.*  
15p. Grampian Pharmaceuticals Ltd.

Elliott J.M. (co-ordinator) 1997  
*Predicting the effects of environmental  
change on freshwater fish production.  
Second annual report.* 96p, figures.  
European Commission.

Elliott J.M., Fletcher J.M. & Cubby  
P.R. 1998  
*The Urban Waste Water Treatment  
Directive: monitoring the Arctic charr  
population of Windermere, 1997.* 33p,  
10 figures. Environment Agency  
North West Region.

- Farr I.S. & Henville P.** 1997  
*Collection, processing and supply of bulk samples of sediments and overlying waters with details of associated environmental measurements. Report on collection for AgrEvo UK, 16.04.97.* 5p. AgrEvo UK.
- Farr I.S. & Henville P.** 1997  
*Collection, processing and supply of bulk samples of sediments and overlying waters with details of associated environmental measurements. Report on collection for Huntingdon Life Sciences, 29.04.97.* 5p. Huntingdon Life Sciences.
- Farr I.S. & Henville P.** 1997  
*Collection, processing and supply of bulk samples of sediments and overlying waters with details of associated environmental measurements. Report on collection for AgrEvo UK, 29.04.97.* 5p. AgrEvo UK.
- Farr I.S. & Henville P.** 1997  
*Collection, processing and supply of bulk samples of sediments and overlying waters with details of associated environmental measurements. Report on collection for COVANCE, 13.05.97.* 6p. COVANCE.
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*Collection, processing and supply of bulk samples of sediments and overlying waters with details of associated environmental measurements. Report on collection for Covance Laboratories GmbH.* 10p. Covance Laboratories GmbH.
- Farr I.S. & Henville P.** 1997  
*Collection, processing and supply of bulk samples of sediments and overlying waters with details of associated environmental measurements. Report on collection for Dow Elanco Europe 15.07.97.* 7p. Dow Elanco Europe.
- Farr I.S. & Henville P.** 1997  
*Collection, processing and supply of bulk samples of sediments and overlying waters with details of associated environmental measurements. Report on collection for Huntingdon Life Sciences Ltd, 28th October 1997.* 7p. Huntingdon Life Sciences.
- Farr I.S. & Henville P.** 1997  
*Collection, processing and supply of bulk samples of sediments and overlying waters with details of associated environmental measurements. Report on collection for Zeneca, Brixham Environmental Laboratory, 28th October 1997.* 4p. Zeneca.
- Farr I.S. & Henville P.** 1997  
*Collection, processing and supply of bulk samples of sediments and overlying waters with details of associated environmental measurements. Report on collection for Covance Laboratories Ltd, 16th December 1997.* 7p. Covance Laboratories Ltd.
- Farr I.S. & Lowans L.** 1997  
*Collection, processing and supply of bulk samples of sediments and overlying waters with details of associated environmental measurements. Report on collection for Covance Laboratories Ltd, 09.09.97.* 9p. Covance Laboratories Ltd.
- Furse M.T. & Clarke R.T.** 1997  
*Analysis of 1995 survey data and RIVPACS update. Consultation process for the development of the Phase 2 schedule of research.* 59p. Environment Agency.
- Furse M.T. & Symes K.L.** 1997  
*Operational mechanisms for the protection and enhancement of headwaters. Scoping study.* 121p. Environment Agency.
- Furse M.T., Symes K.L. & Clarke R.T.** 1997  
*Analysis of 1995 biological survey data and RIVPACS update. Phase 2. Post-survey appraisal. R & D progress report EMA 036/pr1 for the period from 22nd July 1997 to 31st October 1997.* 13p. Environment Agency.
- Furse M.T., Welton J.S., Reynolds C.S., Symes K.L. & Collett G.D.** 1997  
*Severn-Thames transfer. A review of biological data. Volume I – main report.* 93p. Environment Agency Thames Region.
- Furse M.T., Welton J.S., Reynolds C.S., Symes K.L. & Collett G.D.** 1997  
*Severn-Thames transfer. A review of biological data. Volume II – appendices.* 242p. Environment Agency Thames Region.
- Gravelle M. & Dawson F.H.** 1997  
*River Habitat Survey presentation software manual.* 40p. Environment Agency.
- Gravelle M., Scarlett P., Ibbotson A.T., Dawson F.H. & Blackburn J.H.** 1997  
*Ecological survey of the River Teign at Castle Drogo, Devon.* 22p, 3 appendices. Dulas Ltd.
- Gravelle M., Scarlett P., Smith D. & Dawson F.H.** 1998  
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- Gunn I.D.M. & Blackburn J.H.** 1997  
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- Gunn I.D.M. & May L.** 1998  
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- Gunn R.J.M., Blackburn J.H., Winder J.M., Wright J.F. & Symes K.L. 1997  
*An audit of performance in the analysis of biological samples in 1996. SEPA North Region.* 4p, 10 tables, 1 appendix. Scottish Environment Protection Agency, North Region.
- Gunn R.J.M., Blackburn J.H., Winder J.M., Wright J.F. & Symes K.L. 1997  
*An audit of performance in the analysis of biological samples in 1996. SEPA East Region.* 4p, 11 tables, 1 appendix. Scottish Environment Protection Agency, East Region.
- Gunn R.J.M., Blackburn J.H., Winder J.M., Wright J.F. & Symes K.L. 1997  
*An audit of performance in the analysis of biological samples in 1996. SEPA West Region.* 4p, 10 tables, 1 appendix. Scottish Environment Protection Agency, West Region.
- Gunn R.J.M., Blackburn J.H., Winder J.M., Wright J.F. & Symes K.L. 1997  
*An audit of performance in the analysis of biological samples in 1996. IRTU, Northern Ireland.* 4p, 9 tables, 1 appendix. Industrial Research & Technology Unit Northern Ireland.
- Gunn R.J.M., Blackburn J.H., Winder J.M., Wright J.F. & Symes K.L. 1997  
*An audit of performance in the analysis of biological samples in 1996. Environment Agency: AQC audit.* 7p, 62 tables. Environment Agency.
- Gunn R.J.M., Blackburn J.H., Winder J.M., Wright J.F. & Symes K.L. 1997  
*An audit of performance in the analysis of biological samples in 1996. Environment Agency: primary audit.* 112p. Environment Agency.
- Hilton J. 1997  
*QA report on Gibb Report 94083A, report on site visit by water quality specialist.* 2p. Alexander Gibb & Partners.
- Hilton J. 1997  
*QA report on Gibb Report of October 1997 – report on 1996/97 first flushing cycle.* 2p. Alexander Gibb & Partners.
- House W.A., Denison F.H., Smith S.M. & Sadak R. 1997  
*Assessment of the potential for phosphorus reduction in river waters.* 31p. Department of the Environment.
- House W.A., Irons G.P. & Denison F.H. 1998  
*Assessment of the potential for phosphorus reduction in river waters.* 25p. Department of the Environment.
- House W.A., Zhmud B.V., Irons G.P. & Talbot J.D.R. 1997  
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- Ibbotson A.T. 1997  
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- Ibbotson A.T. 1998  
*Year-class strengths and recruitment in a grayling population – 1997 sampling.* 4p, appendix. Environment Agency South West Region.
- Ibbotson A.T. & Ladle M. 1997  
*Review of flow needs for fish and fisheries. Progress report.* 34p. Environment Agency Midland Region.
- Ibbotson A.T., Pinder A.C. & Scarlett P. 1997  
*River Don and Colden Water fisheries surveys: final report.* 82p. Yorkshire Water Services Ltd.
- Ibbotson A.T., Pinder A.C., Scarlett P. & Masters J.E.G. 1996  
*River Don and Colden Water fisheries surveys: second survey.* 84p. Yorkshire Water Services Ltd.
- Ibbotson A.T., Tapia G., Furse M.T., Winder J.M., Blackburn J.H., Scarlett P.M. & Smith J.T. 1997  
*Impact of the signal crayfish (Pacifastacus leniusculus) and its associated crayfishery on the River Thames.* 87p, 6 appendices. Environment Agency Thames Region.
- Maberly S.C., Clarke K.J., Day J.G. & Dent M.M. 1997  
*The mechanisms of action of cationic surfactants on microalgae. Progress report on work carried out between February and September 1997 and listing of future work.* 12p. Unilever Research.
- Maberly S.C., Clarke K.J., Jaworski G.H.M., Tipping E., Day J.G. & Dent M.M. 1997  
*The mechanisms of action of cationic surfactants on microalgae – 1. Campaign 1: the relationship between zeta potential of a cell and surfactant toxicity.* 73p. Unilever Research.
- Mann R.H.K. 1995  
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- May L., Place C.J. & George D.G. 1996  
*The effects of soil type on nutrient losses and runoff in the catchment of Bassenthwaite Lake.* 46p, 16 figures, 3 appendices. National Rivers Authority North West Region.
- May L., Place C.J., George D.G. & McEvoy J. 1997  
*An assessment of the nutrient loadings from the catchment to Bassenthwaite Lake.* 53p. Environment Agency North West Region.
- Newman J.R., Dawson F.H. & Rouen K.J. 1997  
*Using diatoms and macrophytes to assess the trophic status of rivers: a report of a workshop held at Lancaster, 7-8 March 1996.* 34p. Environment Agency.



- Newman J.R., Dawson F.H. & Rouen K.J. 1997  
*Using diatoms and macrophytes to assess the trophic status of rivers: a workshop summary, Lancaster, 7-8 March 1996.* 8p. Environment Agency.
- Pottinger T.G. 1997  
*Fish welfare research programme. Effects of retention of fish in keepnets.* 36p. Environment Agency/National Federation of Anglers.
- Pottinger T.G. 1997  
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- Reynolds C.S. 1997  
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- Reynolds C.S. 1998  
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- Reynolds C.S., Parker J.E., Cubby P.R., DeVille M.M., Haworth E.Y., Irish A.E., James J.B., Lawlor A.J., Maberly S.C. & Rigg E. 1997  
*The restoration of Windermere.* 9p, 9 figures. North West Water.
- Reynolds C.S., Parker J.E., Dent M.M., Cubby P.R., Irish A.E., James J.B., Lawlor A.J., Maberly S.C. & Rigg E. 1998  
*Observations on the water quality of the lakes of the Windermere catchment, 1997.* 11p, 7 figures. Environment Agency North West Region.
- Reynolds C.S., Parker J.E., Dent M.M., Irish A.E., James J.B., Lawlor A.J., Marsh T.N. & Rigg E. 1998  
*Observations on the water quality of Bassenthwaite Lake and Derwent Water, 1997.* 7p, 7 figures. Environment Agency North West Region.
- Reynolds C.S., Parker J.E., DeVille M.M., Cubby P.R., Irish A.E., James J.B., Lawlor A.J., Maberly S.C. & Rigg E. 1997  
*Observations on the water quality of the lakes of the Windermere catchment, 1996.* 9p, 7 figures. Environment Agency North West Region.
- Reynolds C.S., Parker J.E., DeVille M.M., Irish A.E., James J.B., Lawlor A.J. & Rigg E. 1997  
*Observations on the water quality of Bassenthwaite Lake and Derwent Water, 1996.* 7p, 7 figures. Environment Agency North West Region.
- Smith J.T. 1998  
*Review of aquatic countermeasures: an analysis of post-Chernobyl countermeasures.* 10p. Commission of the European Communities.
- Smith J.T., Kudelsky A.V., Ryabov I.N. & Haddering R.H. 1998  
*AQUACURE. Aquatic countermeasure against uptake of radiocaesium by the ecosystem. First twelve monthly progress report. 01/02/97 - 31/01/98.* 23p. Commission of the European Communities.
- Talbot J.D.R., House W.A., Irons G.P., Clarke K.J. & Lawlor A.J. 1997  
*The Severn-Thames transfer project: phase II - chemical interactions of transferred sediment with the host water. Final report.* 23p, 6 appendices. Environment Agency Thames Region.
- Talbot J.D.R., House W.A., Irons G.P., Lawlor A.J. & Clarke K.J. 1997  
*The Severn-Thames transfer project: phase II - chemical interactions of transferred sediment with the host water.* 21p, 6 appendices, 2 tables. Environment Agency Thames Region.
- Tipping E., Bass J.A.B., Hall G.H., Lawlor A.J. & Simon B.M. 1997  
*Identification of the potential hazard from heavy metals in the sediments of Coniston Water and Ullswater.* 86p. Environment Agency North West Region.
- Tipping E., Irish A.E. & Reynolds C.S. 1997  
*The nutrient-based phytoplankton-carrying capacity of Ullswater: a loading budget and model extrapolation.* 19p, 6 figures. Environment Agency North West Region.
- Welton J.S., Beaumont W.R.C., Ladle M., Sanders T.T. & Masters J.E.G. 1997  
*Smolt trapping using acoustic techniques. Phase 1, literature review and initial investigation of acoustic bubble screens.* 81p. Environment Agency South West Region.
- Welton J.S., Crisp D.T. & Beaumont W.R.C. 1997  
*Mid-term report on studies on sea trout and brown trout recruitment in a stream in mid-Wales.* 13p, 13 tables, 5 figures. Ministry of Agriculture, Fisheries and Food.
- Welton J.S., Gunn R.J.M. & Hamlin J. 1998  
*Macroinvertebrate sampling of wooded and open sections of tributaries of the River Itchen - October 1997.* 2p, 7 tables. CEFAS/Environment Agency Southern Region.

- Welton J.S., Gunn R.J.M., Middle S. & Bradley D.C. 1997  
*Macroinvertebrate sampling of wooded and open sections of tributaries of the River Itchen – May 1997*. 2p, 7 tables. Ministry of Agriculture, Fisheries and Food/Environment Agency Southern Region.
- Welton J.S., Masters J.E.G., Beaumont W.R.C., Pinder A.C. & Ladle M. 1998  
*1997 survey of the coarse fish of the River Tees: interim report*. 95p. Environment Agency North East Region.
- Welton J.S., Masters J.E.G., Beaumont W.R.C., Pinder A.C. & Ladle M. 1997  
*1997 survey of the coarse fish of the River Tees: progress report*. 3p. Environment Agency North East Region.
- Welton J.S., Masters J.E.G., Beaumont W.R.C., Pinder A.C. & Ladle M. 1997  
*Smolt trapping using acoustic techniques. Phase 2. Efficiency of main river screens*. 4p. Environment Agency South West Region.
- Winder J.M., Blackburn J.H., Gunn R.J.M. & Symes K.L. 1997  
*Biological assessment of Buckfastleigh Sewage Treatment Works, River Dart*. 25p, 21 tables, 23 figures. Environment Agency South West Region.
- Winder J.M., Dawson F.H., Ibbotson A.T., Blackburn J.H., Furse M.T., Symes K.L. & Henville P. 1995  
*Baseline biological assessment of Mells River Springs 1995*. 57p, 35 appendices. ARC (Southern) Ltd.
- Winfield I.J., Fletcher J.M. & Cubby P.R. 1997  
*Conservation of the schelly of Haweswater. Progress report for period April 1997 to September 1997*. 16p, 1 table, 2 figures. North West Water.
- Winfield I.J., Fletcher J.M. & Cubby P.R. 1997  
*Conservation of the schelly of Haweswater. Progress report for period November 1996 to March 1997*. 18p, 5 figures. North West Water.
- Winfield I.J., Fletcher J.M. & Cubby P.R. 1997  
*Fish introductions in Bassenthwaite Lake and Derwentwater. Draft final report*. 101p, tables, figures. National Rivers Authority North West Region.
- Winfield I.J., Fletcher J.M. & Cubby P.R. 1997  
*Fish populations as determinants of habitat choice in cormorants*. 50p, 47 tables, 52 figures. Wildfowl and Wetlands Trust.
- Winfield I.J., Fletcher J.M. & Cubby P.R. 1997  
*Introduction of Haweswater schelly to Blea Water and Small Water*. 20p, 1 table, 2 figures. Environment Agency North West Region/North West Water.
- Winfield I.J., Fletcher J.M. & Cubby P.R. 1997  
*Introduction of Haweswater schelly to Blea Water and Small Water. Final report*. 22p, 4 tables, 2 figures. Environment Agency North West Region/North West Water.
- Winfield I.J., Fletcher J.M. & Cubby P.R. 1997  
*Spawning beds of vendace in Bassenthwaite Lake and Derwentwater. Progress report for period January 1997 to August 1997*. 16p, 3 figures. English Nature.
- Winfield I.J., Fletcher J.M. & Cubby P.R. 1997  
*The Urban Waste Water Treatment Directive: monitoring the vendace population of Bassenthwaite Lake, 1996*. 16p, 7 tables, 5 figures. National Rivers Authority North West Region.
- Winfield I.J. & Winfield D.K. 1997  
*The winter feeding behaviour of cormorants at Haweswater. Final report*. 22p, 15 figures. North West Water.
- Winfield I.J., Winfield D.K. & Fletcher J.M. 1997  
*The feeding behaviour of cormorants at Haweswater. Progress report for period May 1997 to October 1997*. 15p, 5 figures. North West Water.

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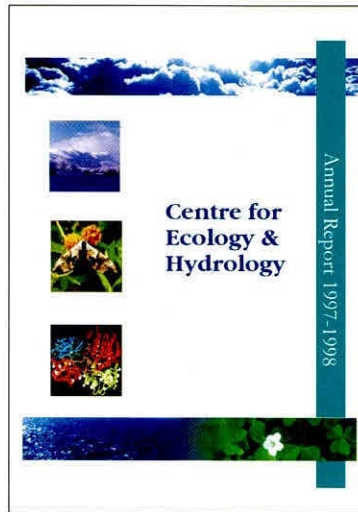
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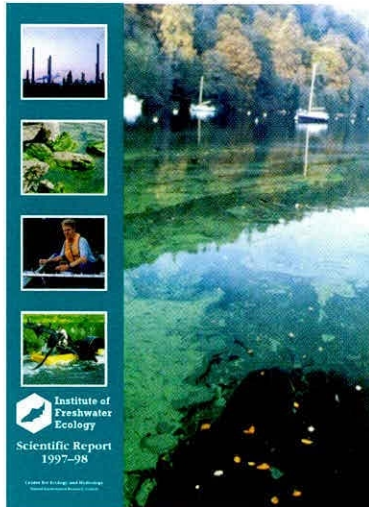
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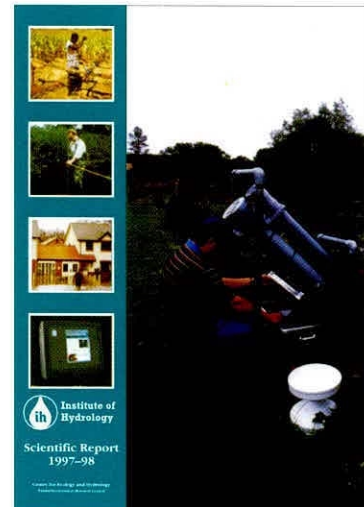
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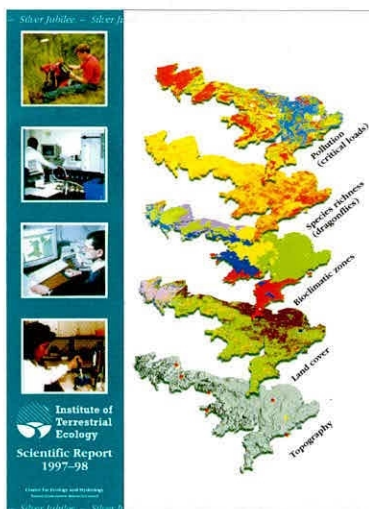
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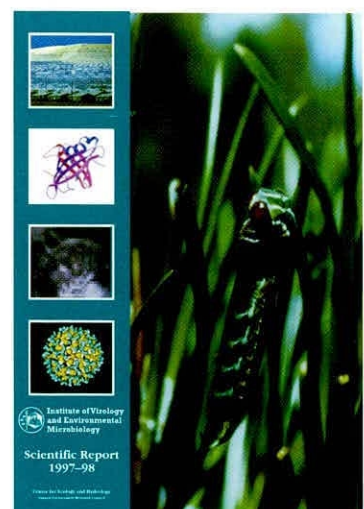
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