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**R & D Project DO3.4.90
Restoration of Riverine Fisheries Habitats**

**Progress Report for Period
July 1991 - September 1991**

**Institute of Freshwater Ecology
September 1991**



NRA

National Rivers Authority



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Research Contractor: Institute of Freshwater Ecology

Project Leader: R. H. K. Mann

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1. TECHNICAL PROGRESS

The initial phase of this examination of the effectiveness of the restoration of riverine fisheries habitats comprised three parts.

1.1 Initial meeting

An initial meeting (22.7.91) between Mr R.H.K. Mann (IFE Project Leader) and Dr J.S. Wortley (NRA Project Officer) at NRA, Norwich to clarify details of the project. The question of the database to sort details of the restoration projects (Strategy, method. Phase 1, point 2) was raised by Mr Mann: the NRA requested that information should be placed on the database FOXPRO and this software has now been ordered by the IFE.

Dr Wortley suggested that a short article publicising the project be sent to the editor of the Institute of Fisheries Management's journal 'FISH'. Mr Mann agreed to write the article, which has been submitted to the journal (20.9.91).

1.2 Compilation and circulation of questionnaire

The compilation and circulation of a questionnaire to NRA staff in all ten Regions. This has been prepared in two sections.

Section I seeks to obtain information on the perceived needs for restoration schemes in the ten NRA Regions, with details for salmon, trout and coarse fish being identified separately.

Section II requests detailed information on individual restoration projects.

The questionnaires were sent out on 29-30 August 1991 to 54 Fisheries Managers, Officers and Scientists (list of names provided by Dr Wortley). A request was made that the forms should be completed and returned by 31 October 1991; to date (20.9.91) three replies have been received.

Information from returned questionnaires is to be entered onto the FOXPRO database so that information can be readily obtained on such topics as:

The lengths of river fisheries currently benefitting from restoration work.

Reasons for carrying out restoration schemes.

Methods used for restoring riverine fisheries habitats.

Cost/Benefit analyses of restoration schemes.

Methods of assessing the effectiveness of restoration projects.

Degree of commitment by the NRA or others to maintain restored habitats.

The perceived needs (by NRA staff) for future restoration schemes.

1.3 Literature search

A computerised literature search on restoration schemes and procedures in the U.K., Europe and North America. References have been obtained from Aquatic Sciences and Fisheries Abstracts 1979-1990, and from the Freshwater Biological Association's

current awareness files 1970-1991. A database has been compiled to include all relevant items from these searches, together with previously known references: this database now contains 250 records. Inter-library loans have been obtained for references not held at the Freshwater Biological Association's library at The Ferry House, Windermere.

2. PROGRAMME FOR NEXT REPORTING PERIOD

1. Examination of questionnaire replies and input of data onto the FOXPRO database.
2. Follow-up on questionnaire replies by letter/telephone for further information on individual restoration schemes as appropriate.
3. Analysis and summary of information obtained from 1 and 2.
4. Continued literature search and preparation of literature review.

3. FINANCIAL INFORMATION

3.1 Cost of work during period of report

Category	Cost During Period	Annual Budget	Project Budget
	£	£	£
Staff	4,530	16,685	22,250
T & S	0	750	1,000
Capital	0	0	0
Consumables	365	1,315	1,750
Reports	0	0	1,500
On Line Searches	195	750	1,000
TOTAL	5,090	19,500	27,500

3.2 Estimate of total project costs at date of report submission

Category	Cost During Period
	£
Staff	4,530
T & S	0
Capital	0
Consumables	365
Reports	0
On Line Searches	195
TOTAL	5,090

Continued over

3.3 Anticipated cost during the period up to the next report

Category	Cost During Period
	£
Staff	12,155
T & S	750
Capital	0
Consumables	950
Reports	0
On Line Searches	555
TOTAL	14,410

4. FACTORS WHICH MAY AFFECT COMPLETION OF PLANNED WORK

As noted in the tender, the achievements of Specific Objectives 1 and 2 is dependent upon the cooperation of third parties. While there is still one month remaining before the requested questionnaire return date, the response rate to date has been very low.