Restoration of Riverine Trout Habitats

The Game Conservancy Trust

R&D Project Record W2/i603/2

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R&D Project Record W2/i603/2

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TH-08/97-B-AZMC

Dissemination status
Internal:Released to Regions
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Statement of use
This provides a full listing of the literature review undertaken on the restoration of riverine trout habitats.

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SUMMARY

This document is a record of the information sources used in the course of R&D Project 603, which produced *R&D Technical Report* W18 - "Restoration of Riverine Trout Habitats: A Guidance Manual". The project was based on a literature review which yielded too large a number of relevant references to refer to in the manual. These references, 969 in number, are presented here as a major reference source on trout habitat restoration.

1. INTRODUCTION

1.1 Overall Objective of project

The overall objective of project was to produce a manual providing advice and guidelines on the restoration of riverine fisheries habitats for brown trout.

1.2 Specific objectives of project

The specific objectives of the project were to:

- Provide a detailed review of available information on the riverine habitat requirements of all life stages of brown trout and habitat factors identified as limiting populations.
- To provide a detailed review of available information on the restoration of riverine fisheries habitats for brown trout.
- To critically assess the information to identify the stages involved in riverine habitat restoration projects and to identify a recommended approach to the management of such projects.
- To critically assess the information to identify good practice and recommendations for each of the identified project stages.
- To identify existing restoration techniques and describe the technical and practical aspects of the methodology.
- To identify key areas where knowledge is currently limiting the effectiveness or efficiency of this activity and recommend future R&D requirements.
- Produce a detailed illustrated manual to provide advice and guidelines on the restoration of riverine fisheries habitats for brown trout.

1.3 Outputs of project

The major output of the project was

"Restoration of Riverine Trout Habitats: A Guidance Manual". *Fisheries Technical Manual* 1 (*Research and Development Technical Report* W18) by Summers, D.W., Giles, N. and Willis, D.J., published by the Environment Agency in 1996.

This project record is the second major output. It presents an extended reference list in addition to (and including) those references which are presented in the actual manual.

2. METHODS

Information on the various specific objectives were obtained from the following sources:

- An intensive literature survey performed in summer 1995
- By writing to each region of the National Rivers Authority for unpublished documents (summer 1995)
- Visiting sites where habitat restoration had been carried out

2.1 Details of Literature Review

- Freshwater Biological Association, Current Awareness Files, 1990-1995
- Freshwater Biological Association, Database, Aquatic Science and Fisheries Abstracts, 1990-1995
- NIFC Wildlife and Fisheries Review, 1971 - 1995.

NRA R&D Project 326 "Restoration of Riverine Fisheries Habitats", *R&D Note* 105.

NRA *Fisheries Technical Report* No.3 "Sea Trout Literature Review"

Further references were obtained from the bibliographies of publications obtained through the above searches.

2.2 References found

The original search provided over 2,000 references relating to trout, trout habitat requirements and fisheries habitat and stream restoration generally. More references were found post-searching. In total over 400 of the most appropriate of these references were actually read. The most relevant of these are cited in the bibliography appending the manual. In the interest of space, it was not possible to cite over 2,000 references which could have been used to support arguments made. Therefore, this document comprises an expanded reference list as a fuller source of information. Some 969 relevant references are appended.

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