

Salmon and migratory trout statistics for England and Wales, 1951-1990

I. C. Russell, M. J. Ives, E. C. E. Potter, A. A. Buckley and L. Duckett



Fisheries Research Data Report No 38
Directorate of Fisheries Research, Lowestoft, 1995

MINISTRY OF AGRICULTURE, FISHERIES AND FOOD

DIRECTORATE OF FISHERIES RESEARCH

FISHERIES RESEARCH DATA REPORT
NUMBER 38

**Salmon and migratory trout statistics
for England and Wales, 1951-1990**

I. C. Russell, M. J. Ives, E. C. E. Potter, A. A. Buckley and L. Duckett

Lowestoft
1995

The authors:

I. C. Russell MSc, is Senior Scientific Officer, M. J. Ives a Scientific Officer and E. C. E. Potter a Grade 7 officer (Principal Scientific Officer) in Fish Stock Management Division 2 based at the Fisheries Laboratory, Lowestoft. A. A. Buckley is currently a Scientific Officer in Fish Stock Management Division 3 and L. Duckett a Scientific Officer in Aquatic Environment Protection Division 1 at Lowestoft, both previously worked in Fish Stock Management Division on the preparation of this report.

Data Rep., MAFF Direct. Fish. Res., Lowestoft, (38): 252 pp.

© Crown copyright, 1995

Requests for reproduction of material contained in this report should be addressed to MAFF

CONTENTS

Page

(i)	<i>INTRODUCTION</i>	7
(ii)	<i>BACKGROUND TO THE COLLECTION OF SALMONID CATCH STATISTICS</i>	8
(iii)	<i>DATA COLLECTION AND VALIDATION</i>	8
(iv)	<i>ACCURACY OF THE DATA</i>	9
(v)	<i>PRESENTATION OF THE DATA</i>	10

REVIEW OF REGIONAL CATCH STATISTICS

1.	Northumbria Region	13
1.1	Rod catch	13
1.1.1	<i>Description of the fisheries</i>	13
1.1.2	<i>Changes in fishing effort</i>	13
1.1.3	<i>Stocking</i>	13
1.1.4	<i>Reporting procedures</i>	14
1.2	Net catch	14
1.2.1	<i>Description of the fisheries</i>	14
1.2.2	<i>Changes in fishing methods and fishing effort</i>	15
1.2.3	<i>Reporting procedures</i>	15
	Figures and Tables	17
2.	Yorkshire Region	29
2.1	Rod catch	29
2.1.1	<i>Description of the fisheries</i>	29
2.1.2	<i>Changes in fishing effort</i>	29
2.1.3	<i>Stocking</i>	29
2.1.4	<i>Reporting procedures</i>	30
2.2	Net catch	30
2.2.1	<i>Description of the fisheries</i>	30
2.2.2	<i>Changes in fishing methods and fishing effort</i>	31
2.2.3	<i>Reporting procedures</i>	31
	Figures and Tables	32
3.	Anglian Region	43
3.1	Rod catch	43
3.1.1	<i>Description of the fisheries</i>	43
3.1.2	<i>Changes in fishing effort</i>	43
3.1.3	<i>Stocking</i>	43
3.1.4	<i>Reporting procedures</i>	43
3.2	Net catch	43
3.2.1	<i>Description of the fishery</i>	44
3.2.2	<i>Changes in fishing methods and fishing effort</i>	44
3.2.3	<i>Reporting procedures</i>	44
	Figures and Tables	45

/continued:

4. Thames Region	49
Figures and Tables	50
5. Southern Region	53
5.1 Rod catch	53
5.1.1 <i>Description of the fisheries</i>	53
5.1.2 <i>Changes in fishing effort</i>	53
5.1.3 <i>Stocking</i>	53
5.1.4 <i>Reporting procedures</i>	54
5.2 Net catch	54
5.2.1 <i>Description of the fisheries</i>	54
5.2.2 <i>Changes in fishing methods and fishing effort</i>	55
5.2.3 <i>Reporting procedures</i>	55
Figures and Tables	56
6. Wessex Region	65
6.1 Rod catch	65
6.1.1 <i>Description of the fisheries</i>	65
6.1.2 <i>Changes in fishing effort</i>	65
6.1.3 <i>Stocking</i>	65
6.1.4 <i>Reporting procedures</i>	66
6.2 Net catch	66
6.2.1 <i>Description of the fisheries</i>	66
6.2.2 <i>Changes in fishing methods and fishing effort</i>	66
6.2.3 <i>Reporting procedures</i>	67
Figures and Tables	68
7. South West Region	81
7.1 Rod catch	81
7.1.1 <i>Description of the fisheries</i>	81
7.1.2 <i>Changes in fishing effort</i>	81
7.1.3 <i>Stocking</i>	81
7.1.4 <i>Reporting procedures</i>	82
7.2 Net catch	82
7.2.1 <i>Description of the fisheries</i>	82
7.2.2 <i>Changes in fishing methods and fishing effort</i>	82
7.2.3 <i>Reporting procedures</i>	83
Figures and Tables	85
8. Severn-Trent Region	123
8.1 Rod catch	123
8.1.1 <i>Description of the fisheries</i>	123
8.1.2 <i>Changes in fishing effort</i>	123
8.1.3 <i>Stocking</i>	123
8.1.4 <i>Reporting procedures</i>	123
8.2 Net catch	124
8.2.1 <i>Description of the fisheries</i>	124
8.2.2 <i>Changes in fishing methods and fishing effort</i>	124
8.2.3 <i>Reporting procedures</i>	124
Figures and Tables	125

9. Welsh Region	129
9.1 Rod catch	129
9.1.1 <i>Description of the fisheries</i>	129
9.1.2 <i>Changes in fishing effort</i>	130
9.1.3 <i>Stocking</i>	130
9.1.4 <i>Reporting procedures</i>	130
9.2 Net catch	131
9.2.1 <i>Description of the fisheries</i>	131
9.2.2 <i>Changes in fishing methods and fishing effort</i>	132
9.2.3 <i>Reporting procedures</i>	132
Figures and Tables	134
10. North West Region	205
10.1 Rod catch	205
10.1.1 <i>Description of the fisheries</i>	205
10.1.2 <i>Changes in fishing effort</i>	205
10.1.3 <i>Stocking</i>	205
10.1.4 <i>Reporting procedures</i>	205
10.2 Net catch	206
10.2.1 <i>Description of the fisheries</i>	206
10.2.2 <i>Changes in fishing methods and fishing effort</i>	207
10.2.3 <i>Reporting procedures</i>	208
Figures and Tables	209
11. National totals	241
Figures and Tables	242
12. References	245
APPENDIX 1. Glossary of fishing methods (nets and fixed engines) used for catching salmon and migratory trout over the review period	247

(i) INTRODUCTION

Catch statistics provide one of the fundamental means for formulating management policies in respect of salmon and sea trout stocks at local, national and international levels. This is not to imply that these data reliably reflect stock abundance or are in themselves always accurate or complete records of catches; indeed this is generally not the case. However, in the absence of other direct measures, they frequently represent the only available information on the state of a stock and, when compiled in a consistent manner over a number of years, may be indicative of long term trends in stock abundance. For the fishery manager they also provide a direct measure of the varying success of a fishery. This historical review has been compiled with the aim of establishing an authoritative long-term data base for salmon and sea trout catches in England and Wales.

Although reliable records of salmon catches for some rivers date back over a century, the overall national catch record, even in relatively recent years, is notable for its inaccuracies, inconsistencies and omissions. In some areas rigorous efforts have been made to compile catch data since 1951, the period covered by this review. However, in other areas collection procedures have been haphazard, particularly early in this period. The collation of national totals from these differing sources has thus been very difficult.

Prior to 1983, a variety of organisations were responsible for collating an annual set of statistics for England and Wales. From 1951 to 1973 a very brief summary of the data was included in the Association of River Authorities (formerly River Boards) Annual Reports (see References), and, following the reorganisation of the Water Industry in 1974, a similar summary was compiled by the Department of the Environment for publication in its 'Water Data' series and later in its 'Digest of Environmental Pollution and Water Statistics' (see References). In 1981, the statistics were compiled and published in a more comprehensive manner by the Fisheries Advisory Committee of the National Water Council (National Water Council, 1982). In 1982, however, the NWC was disbanded and agreement reached that the Ministry of Agriculture, Fisheries and Food (MAFF) Directorate of Fisheries Research (DFR) should take over collation of the data with effect from the 1983 season. As an interim arrangement, the staff of the Fisheries Department of Northumbrian Water Authority agreed to collect and publish the statistics for 1982 on behalf of the NWC (Northumbrian Water, 1983). From 1983 to 1990 the annual catch statistics were collated by DFR. Data for 1983 to 1988 inclusive have appeared in the DFR Fisheries Research Data Report Series (see References), while since 1989 data have been published as National Rivers Authority (NRA) reports (see References). The NRA continue to be responsible for the collation and publication of the annual catch statistics. In taking on the compilation and publication of the annual salmon and migratory trout catch statistics, DFR recognised that improvements in the collection and reporting procedures were essential, and initiated a programme to bring this about (see, for example, Russell and Buckley, 1989).

An inevitable consequence of the past changes in responsibilities for collating the data has been the publication of discrepant and widely differing sets of statistics, to the obvious detriment of the historical record. Much of the impetus, therefore, for the publication of this data review has been the need to establish a single authoritative data set as a foundation on which to build for the future. This has served not only the function of validating the available data in as much detail as possible, but has also helped to identify the major problems and sources of error in past catch data and assisted in planning future improvements.

Historic migratory salmonid catches in respect of Scotland have already been published (DAFS, 1984), for the period 1952-1981 and annual statistical bulletins have also been produced each year since 1982 (DAFS, 1984 to 1990, Scottish Office, 1991 to 1994).

This report reviews catch data for England and Wales for the period 1951-90 inclusive; 1951 being the year in which the regional River Boards were first formed and from which time catch data were collected and reported on a fairly regular basis for most regions. No attempt has been made to analyse or interpret the statistics: the aim of this review has been to collate the best available data set for the period and to record those factors most likely to have influenced catches during this time.

(ii) BACKGROUND TO THE COLLECTION OF SALMONID CATCH STATISTICS

The Salmon Fishery Act, 1865 introduced the need for every person wishing to fish for salmon or migratory trout in England and Wales, whether commercially or by rod and line, to obtain a licence. However, while this gave rise to some historical data on fishing effort, and to a lesser extent on catches, it was not until the Salmon and Freshwater Fisheries Act, 1923 that a provision was made for the regional fisheries authorities, responsible for licensing, to make a byelaw requiring persons taking salmon and sea trout to make a catch return. Many authorities collected catch data thereafter, albeit with widely differing degrees of commitment. Other authorities continued to assess catches on the basis of diary records maintained by fishery bailiffs, or simply by educated guesses based on whether the season had been judged to be good, average or bad. The Salmon and Freshwater Fisheries Act, 1975 extended the powers under the 1923 Act with regard to the provisions for byelaws, necessitating compulsory catch returns, including, for the first time, the requirement to submit nil returns if no fish were caught.

The use of nets and fixed engines to take salmon in England and Wales has been conducted largely in waters where fishing is an ancient public right. However, a small number of private fisheries do exist, although the rights to these fisheries have, in many cases, been purchased by the regional fishery authorities in recent years. Details of the various methods of commercial fishing are given in Appendix 1. Fishing methods, close seasons and close times, areas of operation, and constraints on the gear (length, mesh size, etc) are normally regulated by local byelaws, albeit within a national framework specified in the Salmon and Freshwater Fisheries Acts. The numbers of licences issued is now generally controlled by net limitation orders (NLOs).

There are no constraints on the number of licences which can be issued for rod and line fishing for salmon and sea trout. A minimum close season of 92 days is specified, although regional byelaws determine whether a longer close time may apply and when this should operate. In addition, local byelaws may prohibit angling in particular areas, above or below obstructions, at night, or may regulate the use of particular lures or baits. Further restrictions may be imposed by fishery owners or angling associations.

(iii) DATA COLLECTION AND VALIDATION

Data were extracted from the published annual reports and, where available, fisheries reports of the regional River Boards (1951-64), River Authorities (1965-73) and Water Authorities (1974-82). From 1983, data were collected directly from Water Authorities on standard forms. Data for 1989-90 were provided by the newly formed National Rivers Authority (NRA). Additional information came from reports and statistical compilations available in MAFF archives.

The basic data recorded in this review have been the annual catch of both salmon and migratory trout (numbers and weight in pounds) for each method of fishing used. In addition, in order to give some indication of changes in levels of fishing effort, the numbers of commercial fishing licences have also been included. While it would also have been desirable to include rod licence data, it rapidly became evident that the extreme variation in the nature and extent of the different rod

licence categories, both between years and between regional fisheries organisations, effectively precluded this. However, it is true to say that angling effort in all areas has been higher in latter years than at the start of the review period.

Following in-house checking of data files, print-outs were sent to each of the NRA regions for validation and the addition of missing data. To assist with checking, the mean weight was calculated for each entry and those outside a predetermined range were flagged for closer scrutiny. Following validation, data files were corrected and printed in a format suitable for publication.

(iv) ACCURACY OF THE DATA

The statistics presented here have been derived chiefly from catch returns, and for a number of reasons will not be an entirely accurate record of the total numbers of fish landed. It is imperative, therefore, that extreme care is exercised in using these data to derive anything beyond a measure of catch. Harris (1986) summarised the limitations of existing salmonid catch statistics. Essentially, these limitations fall into two categories: the problem of incomplete/inaccurate data and difficulties of relating catch to stock size:

Incomplete/inaccurate data:

A number of factors can influence the accuracy of the reported catch data:

- variable reporting procedures – data have mostly been extracted from catch returns, but some have been derived from bailiff's diary records and other sources. Mandatory returns were not required for all fisheries throughout the review period;
- variable reporting rates – some areas have achieved 100% return rates, others only a fraction of this. Return rates are generally higher for net and fixed engine fisheries than for rod fisheries. Catch return reminders have been issued in some areas and years but not in others;
- inaccurate returns – it is known that for reasons either real or perceived, many anglers and netsmen submit inaccurate returns, usually by under-reporting actual catches;
- illegal fishing – this is recognised to be a major problem in many areas. No measure of the illegal catch has been included in these tables.;
- inaccurate identification – it is believed that some fishermen have difficulty in distinguishing salmon from sea trout, and sea trout from brown trout; some misclassification is likely to have occurred.

These sources of error will apply to varying degrees in all areas, however, the reliability of the data is thought to have improved gradually over the review period. Where possible, indications of major sources of inaccuracy are given in the introduction to each section.

The problem of relating catch to stock:

Even assuming accurate catch data the relationship between catch and stock may be complex and variable. Again, a number of factors apply:

- exploitation rates will vary from year to year with changes in effort, fishing methods and

environmental parameters such as rainfall. These may be quite independent of any changes in stock abundance;

- many net and fixed engine fisheries, and some rod fisheries, exploit fish from a number of stocks;
- the absence of effort data – apart from licence numbers (which do not provide a direct measure of effort), salmonid catch statistics have, until very recently, been notable for a total absence of any effort data.
- the proportion of the stock available to the fishery within the legal fishing season may vary from year to year.

(v) *PRESENTATION OF THE DATA*

Wherever possible, data have been presented for every year, for each river and fishery, by method of capture. The statistics cover each of the 10 NRA regions (as they existed in 1990) and are listed in order, starting in the north-east and working in clockwise rotation around the coast. In some areas and years, data have been aggregated and reported as area or group totals, and in other areas major changes in a fishery have arisen. Such occurrences have been reported in the text, and tables have been annotated accordingly. Rod catches have, as far as possible, been recorded for each river catchment. The following convention has been adopted for spaces in the tables where no catch was recorded:

0	=	known zero catch;
-	=	no data reported or no data available;
blank	=	no fishery operating.

In many areas, weight data have been incomplete and only numbers have been recorded. Where it was felt that data could be accurately adjusted by application of mean weights for a particular fishery, such corrections have been carried out; otherwise, weight data have been excluded.

Efforts have been made to note the major factors likely to have had an impact on the catch record over the period. Although inevitably not exhaustive, this process has enabled the preparation of brief background notes to complement the catch data for each region. These notes have been subdivided for rod and net catches and include details of such factors as: byelaw introductions, changes in fishing methods and numbers of licences, and changes in reporting procedures. Where appropriate, keys and footnotes have been included on the tables.

One factor which did affect stocks and catches throughout England and Wales during the review period, was the advent of the disease known as ulcerative dermal necrosis (UDN). In England and Wales, the first recorded instance of the disease was in 1965 in the North West region, although most regions were affected by the late 1960s. The disease persisted for about 10 years. The impact of UDN upon stocks and catches cannot be quantified, although many fish were certainly affected. An idea of the extent of the problem is given by the following table which lists the numbers of dead salmon and sea trout removed from rivers in England and Wales over the period 1966 to 1973 (Association of River Authorities, 1974).

Numbers of dead fish removed from rivers in England and Wales, 1966-73

Year	Salmon	Sea trout
1966	10,218	7,639
1967	18,624	4,638
1968	11,386	5,676
1969	5,084	1,174
1970	4,704	3,237
1971	5,202	930
1972	5,797	1,758
1973	3,615	1,211
Total	64,630	26,263

It should be noted, that in many cases the cause of death of fish in these years could not be specifically related to UDN, as many fish die naturally in rivers each year, particularly after spawning. However, the observations of dead fish in these years was reported to be substantially greater than normal.

This report presents some more detailed data for the years 1983-90 than previously included in the annual data summaries for these years. In addition, a number of minor inaccuracies in earlier published data for these years have been noted, and have been corrected in this report. Where data in this review differ from previously published statistics for the years 1983-90, the tables have been annotated accordingly.

The catch data for all the larger fisheries in each region have been presented graphically as histograms, with the 5-year running mean overlaid. These figures appear at the end of each regional sub-section of the report.

REVIEW OF REGIONAL CATCH STATISTICS

1. NORTHUMBRIA REGION

For the period of this statistical review, fisheries in the Northumbria region were under the jurisdiction of the following organisations:

1951-64	Northumberland and Tyneside River Board Wear and Tees River Board
1965-73	Northumbrian River Authority
1974-88	Northumbrian Water Authority
1989-90	National Rivers Authority – Northumbria region.

Figure 1.1 illustrates the extent of the Northumbria region and identifies the river systems and fishery areas covered by this review.

1.1 Rod catch

Rod catch data are presented in Tables 1.1 to 1.8 and Figures 1.2 to 1.9 and are summarised in Table 1.10 and Figures 1.14 to 1.15.

1.1.1 *Description of the fisheries*

While historically supporting some of the country's finest migratory salmonid rivers, several of the rivers in the area lost their stocks early this century due to gross industrial pollution. This applies particularly to the Tyne, Wear and Tees which have all shown varying signs of recovery during the review period. Catches in the Tyne improved from 1965, the Wear rather later and the Tees only towards the end of the period. The smaller rivers Aln and Coquet in the northern part of the area have supported runs of migratory salmonids throughout the period. Only intermittent catches have been recorded for other rivers in this area.

1.1.2 *Changes in fishing effort*

Rod licence data have not been compiled for the review period, however, angling effort was higher in the latter part of the period following the recovery of local stocks. However, it was evident that increased catches during the 1980s did not give rise to a large increase in the numbers of licences issued (Anon., 1991).

1.1.3 *Stocking*

Efforts to restore salmon runs in the Wear, by a programme of stocking with salmon ova, were initiated in 1955 and continued for about ten years. However, no significant increase in catches were observed at this time.

More recently, the Kielder salmon hatchery has become operational, chiefly to mitigate for the loss of spawning area with the building of Kielder reservoir. Since 1978, large numbers of yearling and under-yearling salmon parr have been reared at the hatchery and stocked into the region's rivers,

principally the Tyne. This stocking programme has coincided with an improvement in water quality, and catches in many rivers have improved dramatically in the latter part of the review period.

1.1.4 Reporting procedures

The bulk of the data presented in the following tables have been compiled from anglers' returns, although there are some exceptions. For 1951, there was no separate reporting of rod catch for the Northumberland and Tyneside River Board and data were aggregated and reported with the net catch. Subsequently, during the 1950s and early 1960s, catches for this area were frequently allocated to 'districts' rather than individual rivers, with the result that catches for the Coquet and Tyne for this period contain small numbers of fish caught elsewhere. Rivers in the Wear and Tees River Board area were badly polluted in the early part of the period and no rod licences were issued in 1951. From 1952-63 small numbers of licences were issued, but there was no requirement for the submission of returns; data recorded for this period were derived from bailiffs' reports.

The proportion of anglers in the Northumbria region submitting catch returns has been variable and generally low during the review period. From the late 1960s to the mid 1980s, it was never above 26%. However, towards the end of the period the reporting rate increased (32-36% in the period 1988-90). In many years, particularly early in the period, the reported catch was supplemented by catches arising from water bailiffs' reports.

1.2 Net catch

Net catch data are presented in Table 1.9 and Figures 1.10 to 1.13 and are summarised in Table 1.10 and Figures 1.16 to 1.17.

1.2.1 Description of the fisheries

During the review period all net fishing in the Northumbria region has been carried out in coastal waters. The methods used have been drift and T-nets (Appendix 1). The fishery has traditionally been divided into two areas for administrative and catch recording purposes, these areas being those formerly under the jurisdiction of the Northumberland and Tyneside, and Wear and Tees River Boards and now known as the Northern and Southern areas respectively. The Northern area stretches from Holy Island in the north to Souter Point (National Grid Reference NZ 416 628) in the south and the Southern area from Souter Point to White Stones, near Boulby in the south (National Grid Reference NZ 748 201); the common boundary with the Yorkshire area.

In the Northumbria northern area, both drift and T-nets have been operated throughout the review period but differing local restrictions have applied. In the period 1951 to 1976, three types of northern area licences were issued:

- (a) Northern District licences (not issued 1951-1955) permitted the use of drift nets only from Holy Island to Howick Burn (National Grid Reference NV 258 164);
- (b) Southern District licences permitted the use of drift nets from Newbiggin to Souter Point and T-nets from Newbiggin to St Mary's Island (National Grid Reference NZ 353 755);
- (c) Whole area licences permitted drift netting throughout the area and T-netting from Howick Burn mouth to St Mary's Island.

In 1976, the above licence categories ceased to apply following the passing of a T-net Order which authorised the use of T-nets throughout the northern area, except within closed areas around certain river mouths (playgrounds).

In the Northumbria southern area, drift netting has been the only method permitted since 1951.

During the whole of the review period, fishing for salmon and sea trout within the area of jurisdiction of the NRA or its predecessors has been subject to licensing by these authorities. Until July 1964, their jurisdiction extended three miles seaward and thereafter out to six miles. Prior to September 1962, salmon fishing outside their jurisdiction was not controlled. After this, it was controlled by a series of Ministerial Orders, which permitted drift netting for salmon and sea trout under the authority of licences issued by MAFF. Until February 1971, the MAFF licences applied to an area up to 25 miles offshore (and further, to the line of longitude 1° east off north-east England); the offshore limit was then reduced to 12 miles.

Since February 1973, there has been an absolute prohibition on fishing for salmon in waters off England and Wales beyond the six-mile limit. Inside this limit, it has been an offence for anyone to fish for salmon without a fishing licence issued by the NRA, or its predecessors.

1.2.2 Changes in fishing methods and fishing effort

The main influence on net catches during the review period was the advent of synthetic netting yarns in the 1960s. Nets made of these new yarns were much lighter, stronger and more durable than the hemp nets previously used and rapidly replaced them in the fishery. This not only enabled fishermen to operate during daylight hours, which had previously been largely impractical, but also resulted in drift nets being used further offshore rather than close to the beaches. The catch per licence figures for the whole fishery illustrate this change, showing a marked rise from the mid-1960s to a current level about 3 to 4 times higher than that during the early part of the review period. However, this will also reflect improvements in reporting procedures over the period (see below).

Fishing effort, as measured by the numbers of licences issued, has shown considerable variation during the period and has been the subject of a number of net limitation orders (NLOs). The introduction of the first synthetic nets in the early 1960s led to a gradual increase in the number of fishermen applying for licences in the Northern area. As a result an NLO was confirmed in 1965 limiting the number of nets to 70. In the Southern area there was a more dramatic rise in the number of licences issued after the introduction of monofilament nets. In 1971, an NLO was confirmed which imposed a limit of 40 licences in this area, but increased the number allowed in the Northern area to 75. Finally, a further NLO was confirmed in 1982 permitting an increase in the number of Southern area licences to 46. In both areas, reduction in the number of licences following introduction of the NLO was by 'natural wastage', as any fishermen holding a licence when the NLO was introduced could continue to get a licence in succeeding years.

For 1971 and 1973, the NLO was exceeded in the Northern area by one licence, this was due to the operation of a private drift net licence by the Nature Conservancy Council in the Budle Bay area. Private licences are excluded under the terms of a NLO, but catches are included with the other Northern area data. This net has not been operated since 1973.

1.2.3 Reporting procedures

The majority of net catch data presented in these tables have been derived from compulsory returns made by netsmen, however, some changes from this practice were necessary, particularly in the

early part of the review period. In 1951, no returns were required from netsmen fishing in the Southern area. Submission of returns became compulsory thereafter, but declared catches remained very low until the mid-1960s. The proportion of netsmen in the Northern area who submitted catch returns was very low in the early 1950s. As a result, the statistics presented for the Northern area for 1951-52 were derived from data provided by the wholesale fish merchants, and thus did not include fish sold privately or those not offered for sale. From 1953-60, the River Board continued to collect data from both netsmen and merchants; however, in order to provide greater continuity with later statistics the data presented here are those originating from the netsmen's catch returns. Interestingly, the data supplied by the merchants were consistently higher for salmon and lower for migratory trout than those arising from the netsmen's returns. A further anomaly occurs in the data for the Northern area for 1951, as rod catches for this year were amalgamated with the net catch.

In 1972, a byelaw was approved requiring all netsmen to submit monthly catch returns, giving details of all fish caught on a daily basis. The accuracy of the data is thought to have improved in the latter part of the review period following this change.

Although catches in the Northern area were made by both drift and T-net, the method of capture was not reported for all catches until 1988, and no separation by method has been included here.

A number of Northumbrian boats operated outside the 3 mile limit (the then limit of jurisdiction for the region's fisheries authority) between 1959 and 1973. Such vessels were licensed following the Sea Fish Industries Act of 1962 (MAFF being the licensing authority). Licences were only issued to fishermen already holding Northumbrian River Authority netting licences, and monthly catch returns were subsequently required by MAFF. Thus, no data are available on catches made by drift nets outside the 3 mile limit between 1959 and 1962. However, fish caught under MAFF licences from September 1962 to February 1973 were required to be reported and have been aggregated with catches taken inside the 3 mile limit.

A more detailed account of the history and operation of the Northumbrian net fishery is given in the Salmon Net Fisheries review (Anon., 1991).

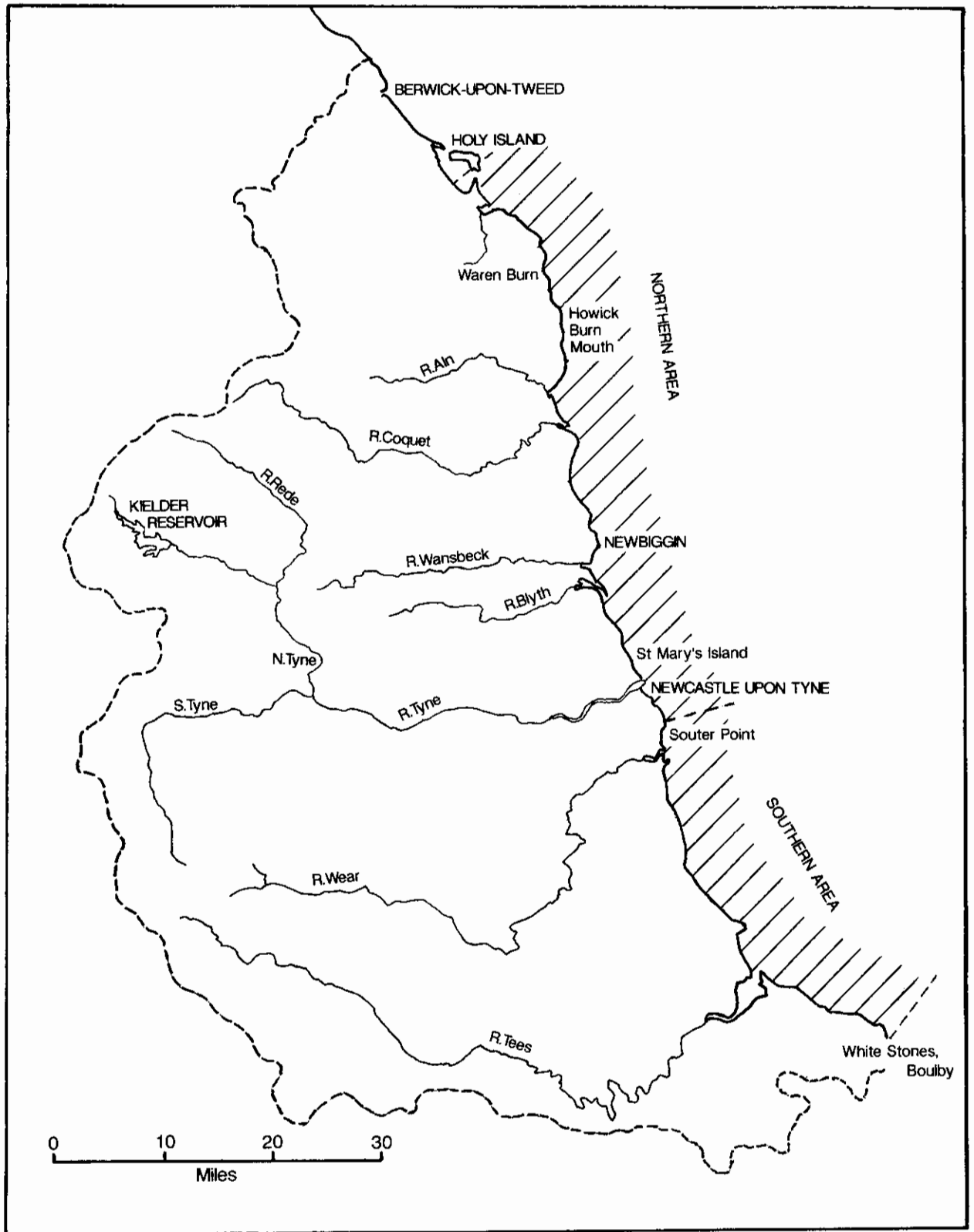


Figure 1.1 Northumbria Region - river systems and fishery areas

Table 1.1 *Waren Burn - rods*

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-67	No data available			
1968	1	6	16	101
1969	-	-	-	-
1970	-	-	-	-
1971	-	-	13	34
1972	1	7	5	15
1973	-	-	-	-
1974	1	2	1	5
1975	-	-	-	-
1976	-	-	3	10
1977	-	-	-	-
1978	-	-	6	20
1979	1	12	4	16
1980-90	No catch reported			

Note: Between 1951-64, some data for these rivers were aggregated and reported for the Coquet district (see Table 1.3).

Table 1.2 *River Aln - rods*

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-55	No data available			
1956	1	8	2	6
1957	-	-	33	77
1958	5	20	3	9
1959	25	209	53	273
1960	17	137	25	102
1961	10	80	36	124
1962	17	132	59	304
1963	21	178	57	230
1964	48	393	105	419
1965	15	117	78	291
1966	13	119	56	259
1967	10	84	61	198
1968	5	45	73	166
1969	42	341	85	287
1970	63	515	192	751
1971	31	253	80	344
1972	41	378	263	996
1973	1	7	107	420
1974	6	39	48	158
1975	14	138	48	184
1976	9	83	18	89
1977	6	59	46	199
1978	10	89	73	392
1979	7	60	43	147
1980	13	138	60	212
1981	7	56	92	298
1982	1	6	27	82
1983	7	47	99	345
1984	8	42	61	241
1985	5	45	44	144
1986	10	110	107	423
1987	21	179	116	595
1988	14	108	308	738
1989	11	93	240	992
1990	7	68	87	317

Table 1.3 River Coquet - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951			(a)	
1952	154	1449	205	746
1953	142	1523	165	534
1954	385	3622	509	2101
1955	179	1818	105	521
1956	212	2116	216	897
1957	395	3597	225	850
1958	457	4026	214	961
1959	342	3168	225	1328
1960	782	7196	283	1375
1961	370	3323	203	994
1962	534	4583	335	1660
1963	392	3484	342	1795
1964	296	2575	324	1724
1965	444	3895	349	1714
1966	438	4226	253	881
1967	832	6888	273	1349
1968	168	1356	182	873
1969	125	1032	130	523
1970	185	1508	225	811
1971	185	1481	106	470
1972	132	1178	136	499
1973	124	1072	159	711
1974	78	610	287	1089
1975	130	1159	239	1125
1976	91	783	222	1040
1977	157	1309	349	1771
1978	231	2071	217	932
1979	181	1541	220	1095
1980	267	2522	266	1299
1981	347	3013	202	960
1982	117	925	217	950
1983	416	3456	178	783
1984	158	1413	151	679
1985	203	1830	130	564
1986	327	2981	274	1107
1987	652	4894	467	1742
1988	495	3622	613	2079
1989	302	2317	364	1475
1990	229	1748	299	1272

Key:

(a) Rod catch data for the Coquet in 1951 were aggregated with the net catch and are recorded under Coastal Nets (N), Table 1.9.

Note:

Table 1.3. - Data for 1951-64, were for the Coquet district and include catches in some other local rivers.

Table 1.4 River Wansbeck - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-56			----- No data available -----	
1957	-	-	1	6
1958	-	-	2	6
1959	-	-	1	4
1960	-	-	4	4
1961	-	-	5	5
1962	-	-	6	12
1963	-	-	2	6
1964	1	10	2	8
1965	1	5	43	86
1966	-	-	8	29
1967	-	-	3	3
1968	-	-	5	11
1969	2	13	5	5
1970	-	-	-	-
1971	-	-	1	1
1972	-	-	9	17
1973	-	-	8	23
1974	-	-	2	10
1975-81			----- No catch reported -----	
1982	-	-	1	2
1983-90			----- No catch reported -----	

Table 1.5 River Blyth - rods

YEAR	SALMON NO WEIGHT (LBS)	MIGRATORY TROUT NO WEIGHT (LBS)
1951-57	No data available	No data available
1958	-	1
1959	-	-
1960	-	1
1961-90	No catch reported	No catch reported

Table 1.6 River Tyne - rods

YEAR	SALMON NO WEIGHT (LBS)	MIGRATORY TROUT NO WEIGHT (LBS)
1951	(a)	(a)
1952	4	47
1953	4	29
1954	21	247
1955	3	37
1956	8	77
1957	4	37
1958	2	19
1959	-	-
1960	3	25
1961	10	80
1962	25	351
1963	24	253
1964	4	31
1965	70	640
1966	349	3926
1967	254	3438
1968	35	405
1969	50	586
1970	139	1383
1971	328	4327
1972	363	5820
1973	58	814
1974	36	440
1975	254	3445
1976	62	998
1977	228	2550
1978	196	2859
1979	313	4313
1980	406	5772
1981	252	3479
1982	246	3058
1983	253	3059
1984	267	3395
1985	724	10115
1986	589	7518
1987	1313	15957
1988	1452	15212
1989	744	8091
1990	1108	12445

Key: (a) Rod catch data for the Tyne in 1951 were aggregated with the net catch and are recorded under Coastal Nets (N), Table 1.9.

Note: Table 1.6. - Data for 1951-64, were for the Tyne District and include catches in some other local rivers.

Table 1.7 River Wear - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	1	3
1952	-	-	-	-
1953	-	-	-	-
1954	-	-	-	-
1955	-	-	-	-
1956	-	-	173	487
1957	-	-	23	85
1958	-	-	27	-
1959	-	-	-	-
1960	-	-	108	328
1961	-	-	288	-
1962	-	-	559	-
1963	-	-	295	-
1964	-	-	350	500
1965	2	28	658	1402
1966	1	10	544	1497
1967	1	15	538	1437
1968	-	-	206	727
1969	12	76	125	406
1970	4	30	215	640
1971	5	37	109	346
1972	29	189	94	297
1973	47	319	337	1394
1974	12	106	274	840
1975	12	102	209	738
1976	16	93	88	703
1977	41	239	257	1055
1978	49	516	219	905
1979	43	377	193	692
1980	119	1007	388	1562
1981	499	4264	296	1257
1982	245	2024	265	1155
1983	189	1854	156	593
1984	114	1116	197	681
1985	139	1265	179	703
1986	152	1272	272	933
1987	265	2218	588	2030
1988	180	1435	673	1788
1989	124	886	324	1180
1990	105	880	419	1490

Notes:

No rod licences were issued for either the Wear or Tees in 1951. Between 1952-64 rod licences were issued but there was no requirement to report catches. Data for this period were derived from bailiffs reports.

Table 1.8 River Tees - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-64	----- No data available -----			
1965	-	-	23	21
1966	-	-	2	2
1967	-	-	11	6
1968-74	----- No catch reported -----			
1975	-	-	1	10
1976	-	-	-	-
1977	-	-	-	-
1978	-	-	1	2
1979	-	-	-	-
1980	-	-	-	-
1981	-	-	-	-
1982	2	22	-	-
1983	7	92	-	-
1984	25	409	3	7
1985	29	367	7	20
1986	38	604	3	9
1987	18	291	-	-
1988	11	134	3	9
1989	3	38	-	-
1990	3	35	1	2

Table 1.9 Northumbria - coastal nets

YEAR	NORTHERN AREA (DRIFT AND T NETS)				SOUTHERN AREA (DRIFT NETS)					
	SALMON		MIGRATORY TROUT		SALMON		MIGRATORY TROUT			
	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951 (a)	51	4802	39970	4203	14951	10 (b)	1	11	1173	4356
1952	54	5626	53776	10260	35691	10	1	7	1001	3020
1953	50	2006	17144	4266	14030	8	6	34	512	1456
1954	43	4966	41148	5004	21334	11	0	0	311	999
1955	54	8208	72712	13082	49923	9	0	0	496	1778
1956	63	6138	55127	10088	38222	15	5	29	1225	3498
1957	59	5846	46892	6292	25748	11	0	0	620	2190
1958	56	6363	50432	9873	40472	13	10	64	854	2857
1959 (c)	62	9098	77108	9479	37148	15	10	90	825	2943
1960	70	14162	112749	12688	49233	16	17	104	2346	7676
1961	73	10244	80348	10920	43225	22	27	151	4986	17382
1962	74	17665	141267	24755	93374	28	122	788	8364	31814
1963	94	11080	92189	10517	41922	39	47	223	4479	16934
1964	89	13829	101173	11371	44883	36	84	460	6677	21737
1965	72	13645	111162	20734	79301	33	162	1017	10993	34705
1966	70	13955	109008	15086	59758	42	102	840	4099	13160
1967	70	22952	180107	25212	101411	46	414	2842	9463	31774
1968	70	21924	175073	16275	74567	63	848	5281	8661	30816
1969	70	41526	311675	14700	61112	84	4821	35549	4460	18934
1970	70	59682	430787	23306	97869	148	30905	220348	13817	66403
1971	71	37747	283438	12951	59750	254	16534	139878	13974	70410
1972	75	42111	327699	13621	53376	91	6095	46066	6302	29655
1973	76	47519	376019	13645	55515	84	10968	86792	9599	43765
1974	75	37069	272424	13880	59144	77	10317	79796	12141	59345
1975	74	36282	298604	13374	63262	62	9065	75575	12863	63066
1976	75	8607	67147	11940	46633	60	3511	25011	11667	52798
1977	75	28812	211726	14750	59810	53	10581	76379	11615	53942
1978	75	34118	272951	15967	61212	51	12824	103395	11389	49284
1979	75	26983	203708	15603	59546	50	11683	85575	10591	48991
1980	75	29598	251691	24205	93227	48	12179	93909	22108	95388
1981	75	39731	335746	20750	85698	43	18149	143911	17727	81170
1982	75	29707	217246	20530	76526	46	13060	93262	11745	51291
1983	75	46930	372064	21551	83070	46	16014	125815	12461	58681
1984	75	36320	294100	27938	104716	46	14365	111189	15603	75995
1985	75	33641	273925	18395	76024	46	13011	104013	11224	56493
1986	75	39730	337164	14997	62264	46	14168	111031	9613	45410
1987	75	23658	187680	19476	71244	46	9406	72525	10869	49793
1988	75	31680	251278	16989	62350	46	12999	102133	15722	72778
1989	75	22942	184671	29119	120900	46	12227	89674	19507	93927
1990	75	25660	228566	13641	65893	46	17388	139985	14919	77586

Key: (a) For the Northern area in 1951, catch return rates were poor; data were derived from the wholesale fish merchants and include rod catches.
 (b) No catch return required in the Southern area in 1951.
 (c) For the period 1959-73, these data may not include fish caught outside 3 miles (see Section 1.2.3.).

Table 1.10 Northumbria Region - totals

YEAR	ROD CATCH				NET CATCH				TOTAL CATCH				
	SALMON		MIGRATORY TROUT		LIC	SALMON		MIGRATORY TROUT		SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)		NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	1	3	61	4803	39981	5376	19307	4803	39981	5377	19310
1952	158	1496	232	826	64	5627	53783	11261	38711	5785	55279	11493	39537
1953	146	1552	169	547	58	2012	17178	4778	15486	2158	18730	4947	16033
1954	406	3869	520	2151	54	4966	41148	5315	22333	5372	45017	5835	24484
1955	182	1855	108	529	63	8208	72712	13578	51701	8390	74567	13686	52230
1956	221	2201	476	1658	78	6143	55156	11313	41720	6364	57357	11789	43378
1957	399	3634	291	1033	70	5846	46892	6912	27938	6245	50526	7203	28971
1958	464	4065	247	1062	69	6373	50496	10727	43329	6837	54561	10974	44391
1959	367	3377	279	1605	77	9108	77198	10304	40091	9475	80575	10583	41696
1960	802	7358	436	1857	86	14179	112853	15034	56909	14981	120211	15470	58766
1961	390	3483	551	2076	95	10271	80499	15906	60607	10661	83982	16457	62683
1962	576	5067	977	3736	102	17787	142055	33119	125188	18363	147122	34096	128924
1963	437	3915	755	3117	133	11127	92412	14996	58856	11564	96327	15751	61973
1964	349	3009	790	2681	125	13913	101633	18048	66620	14262	104642	18838	69301
1965	532	4685	1301	4136	105	13807	112179	31727	114006	14339	116864	33028	118142
1966	801	8281	1009	3113	112	14057	109848	19185	72918	14858	118129	20194	76031
1967	1097	10425	1134	4007	116	23366	182949	34675	133185	24463	193374	35809	137192
1968	209	1812	575	2273	133	22772	180354	24936	105383	22981	182166	25511	107656
1969	231	2048	365	1295	154	46347	347224	19160	80046	46578	349272	19525	81341
1970	391	3436	791	2672	218	90587	651135	37123	164272	90978	654571	37914	166944
1971	549	6098	339	1306	325	54281	423316	26925	130160	54830	429414	27264	131466
1972	566	7572	515	1849	166	48206	373765	19923	83031	48772	381337	20438	84880
1973	230	2212	615	2561	160	58487	462811	23244	99280	58717	465023	23859	101841
1974	133	1197	698	2437	152	47386	352220	26021	118489	47519	353417	26719	120926
1975	410	4844	533	2206	136	45347	374179	26237	126328	45757	379023	26770	128534
1976	178	1957	438	2320	135	12118	92158	23607	99431	12296	94115	24045	101751
1977	432	4157	678	3143	128	39393	288105	26365	113752	39825	292262	27043	116895
1978	486	5535	658	3244	126	46942	376346	27356	110496	47428	381881	28014	113740
1979	545	6303	589	2516	125	38666	289283	26194	108537	39211	295586	26783	111053
1980	805	9439	945	3963	123	41777	345600	46313	188615	42582	355039	47258	192578
1981	1105	10812	670	2885	118	57880	479657	38477	166868	58985	490469	39147	169753
1982	611	6035	954	3922	121	42767	310508	32275	127817	43378	316543	33229	131739
1983	872	8508	692	2852	121	62944	497879	34012	141751	63816	506387	34704	144603
1984	572	6375	1010	3965	121	50685	405289	43541	180711	51257	411664	44551	184676
1985	1100	13622	675	2928	121	46652	377938	29619	132517	47552	391560	30294	135445
1986	1116	12485	1256	4621	121	53898	448195	24610	107674	55014	460680	25866	112295
1987	2269	23539	2237	8615	121	33064	260205	30345	121037	35333	283744	32582	129652
1988	2152	20511	2778	8348	121	44679	353411	32711	135128	46831	373922	35489	143476
1989	1184	11424	1640	6475	121	35169	274345	48626	214827	36353	285769	50266	221302
1990	1452	15176	1543	5954	121	43048	368551	28560	143479	44500	383727	30103	149433

Figure 1.2 Declared rod catch of salmon for the River AIn

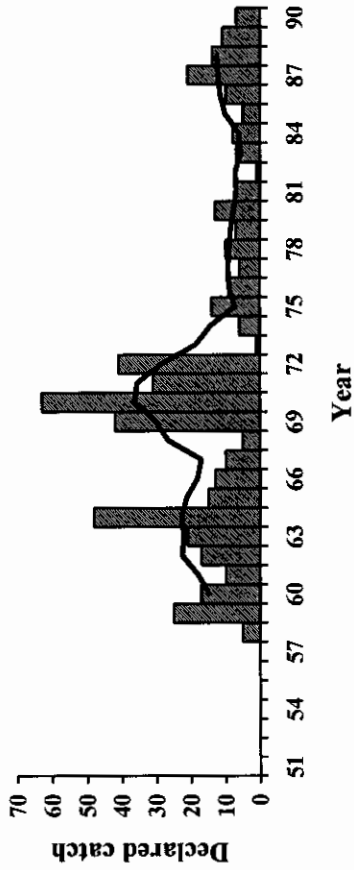


Figure 1.3 Declared rod catch of migratory trout for the River AIn

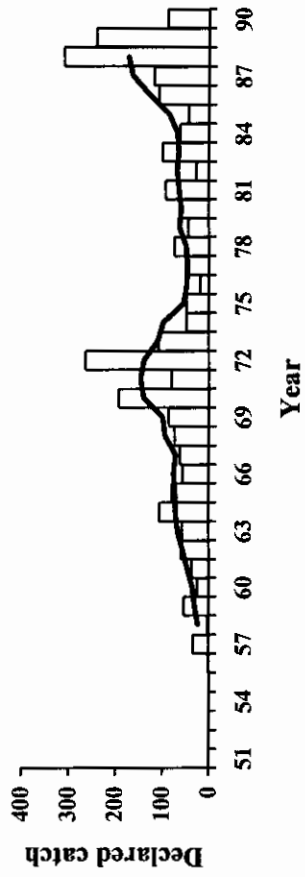


Figure 1.4 Declared rod catch of salmon for the River Coquet

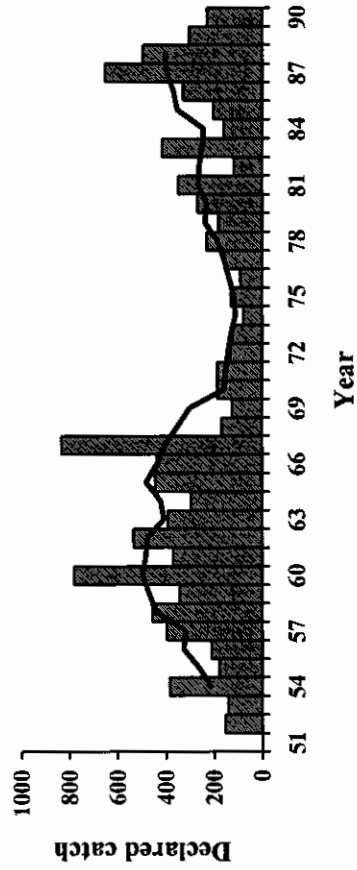


Figure 1.5 Declared rod catch of migratory trout for the River Coquet

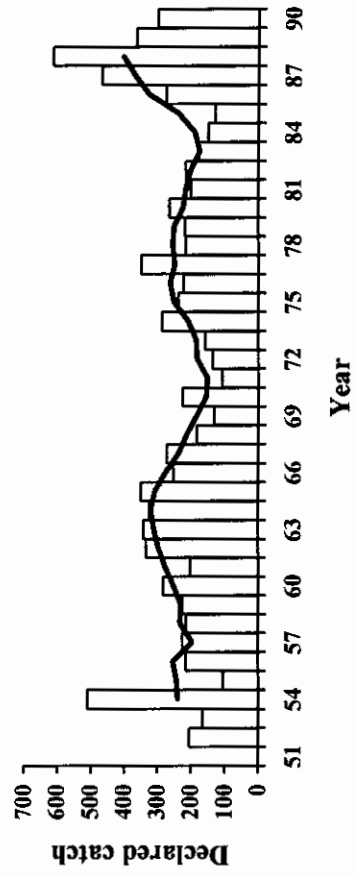


Figure 1.6 Declared rod catch of salmon for the River Tyne

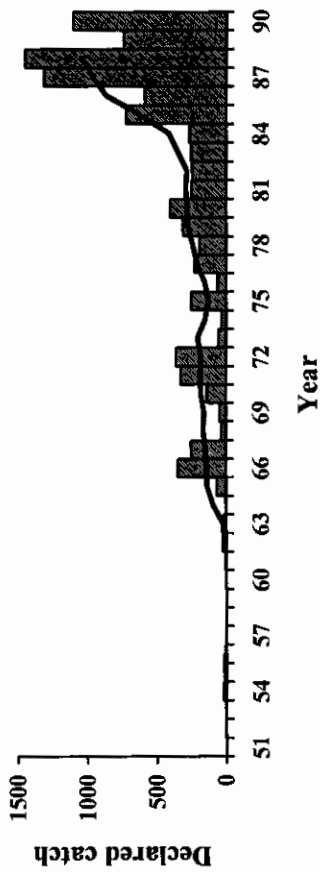


Figure 1.7 Declared rod catch of migratory trout for the River Tyne

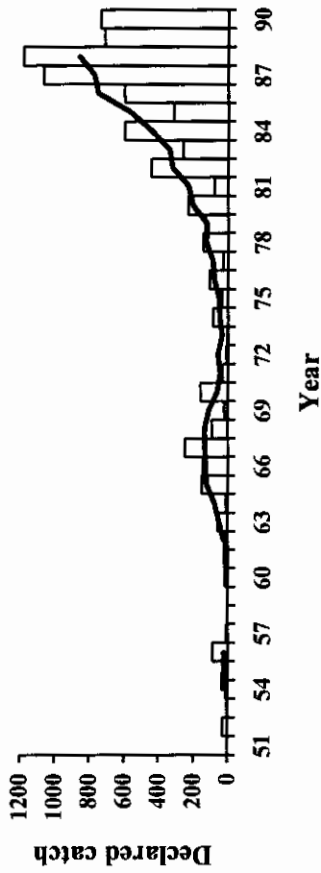


Figure 1.8 Declared rod catch of salmon for the River Wear

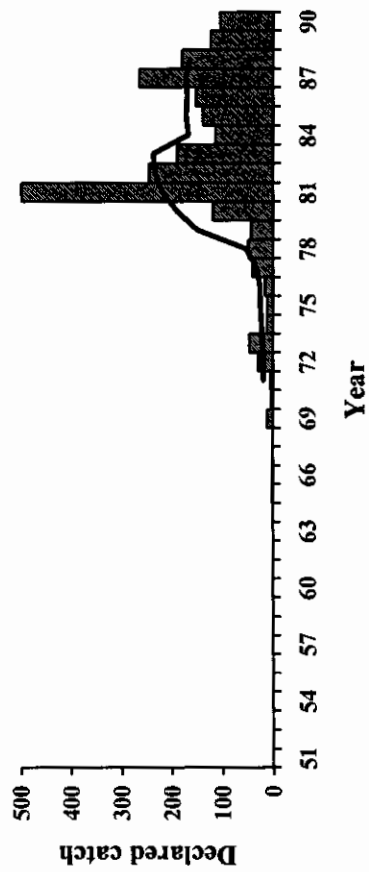


Figure 1.9 Declared rod catch of migratory trout for the River Wear

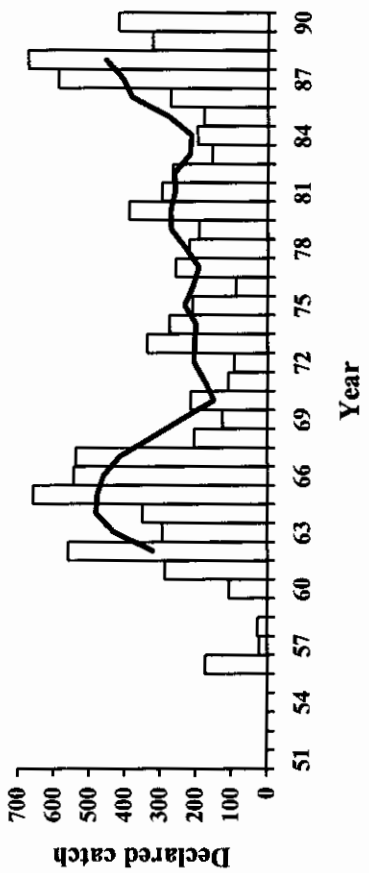


Figure 1.10 Declared net catch of salmon for the Northumbria Region, (Northern area)

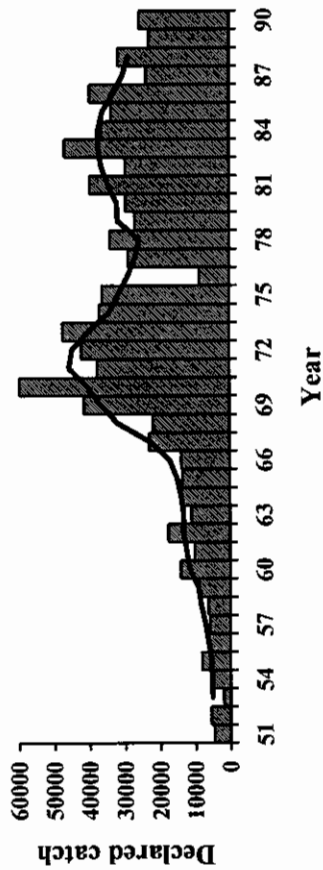


Figure 1.11 Declared net catch of migratory trout for the Northumbria Region, (Northern area)

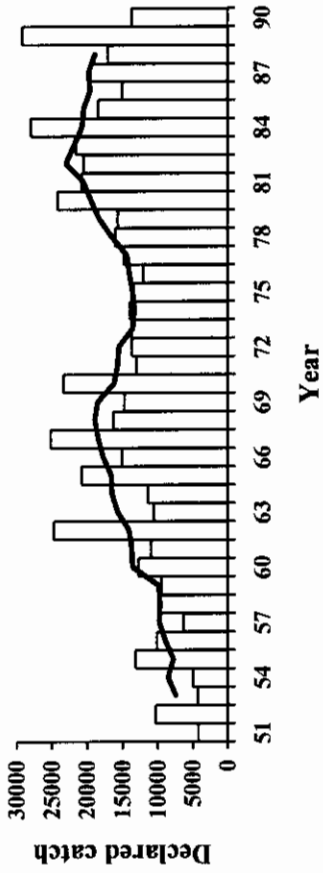


Figure 1.12 Declared net catch of salmon for the Northumbria Region, (Southern area)

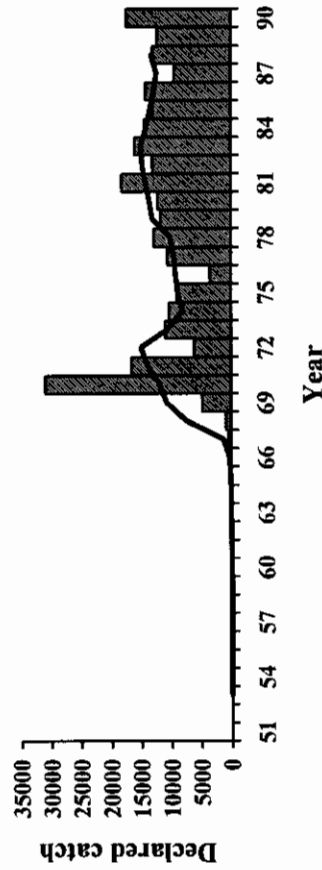


Figure 1.13 Declared net catch of migratory trout for the Northumbria Region, (Southern area)

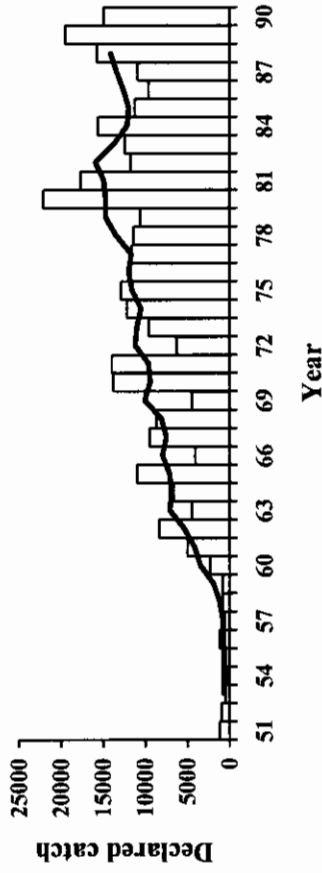


Figure 1.14 Declared rod catch of salmon for the Northumbria Region

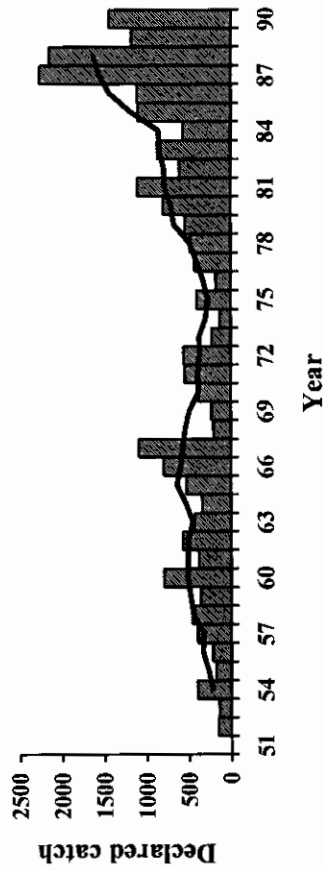


Figure 1.15 Declared rod catch of migratory trout for the Northumbria Region

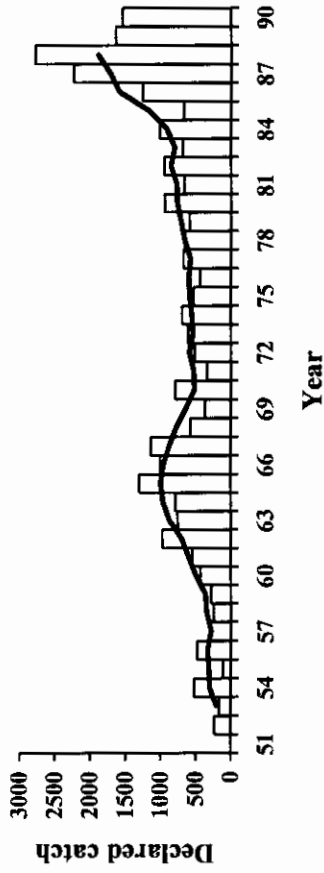


Figure 1.16 Declared net catch of salmon for the Northumbria Region

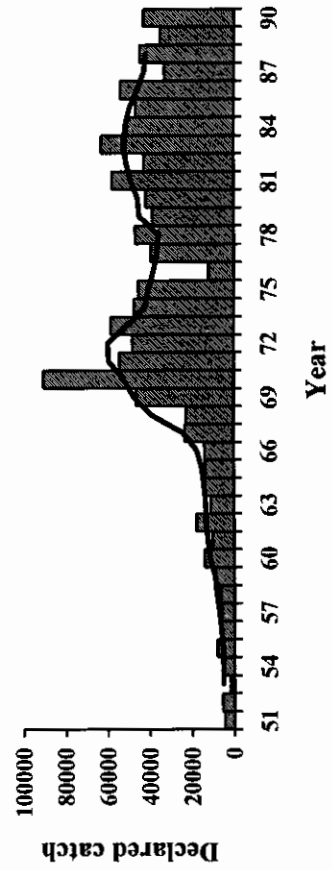
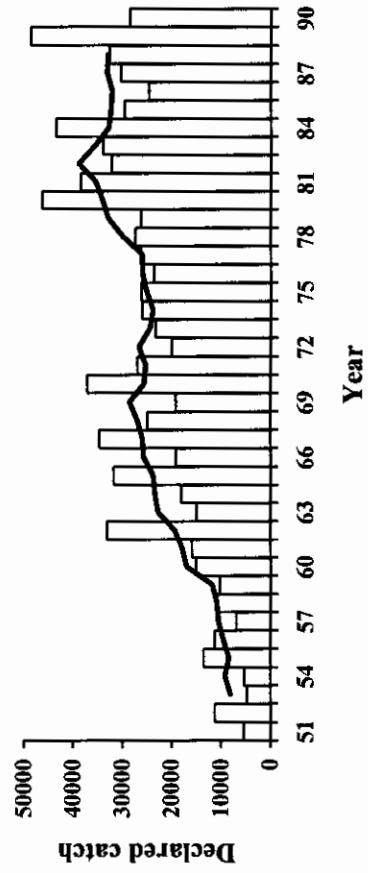


Figure 1.17 Declared net catch of migratory trout for the Northumbria Region



2. YORKSHIRE REGION

For the period of this statistical review, fisheries in the Yorkshire region were under the jurisdiction of the following organisations:

1951-64	Yorkshire Ouse River Board Hull and East Yorkshire River Board
1965-73	Yorkshire, Ouse and Hull River Authority
1974-88	Yorkshire Water Authority
1989-90	National Rivers Authority - Yorkshire region.

Figure 2.1 illustrates the extent of the Yorkshire region and identifies the rivers and fishery areas covered by this review.

2.1 Rod catch

Rod catch data are presented in Tables 2.1 to 2.3 and Figures 2.2 to 2.3 and are summarised in Table 2.8 and Figures 2.8 to 2.9.

2.1.1 Description of the fisheries

The Yorkshire region has only limited rod fisheries for migratory salmonids, the principal river being the Esk, which is characterised by a high proportion of late running fish. Small numbers of fish were also caught in the Ouse system in the 1950s, although poor water quality in the lower Ouse and Humber estuary effectively precluded the passage of migratory salmonids, particularly smolts, subsequently. However, there were some indications of an improvement towards the end of the review period and, following a stocking programme, there was evidence that the stock was returning. Small numbers of sea trout were occasionally caught by anglers in small coastal streams, but these are not included in this report.

The area available for fishing on the river Esk was reduced in 1987 following the closure of the upper estuary to anglers. This was introduced in an effort to reduce illegal exploitation of salmon and sea trout retained in tidal pools.

2.1.2 Changes in fishing effort

The number of rod licences issued in the Yorkshire region increased to a peak in the mid 1960s, but has declined gradually since then, probably as a result of reduced runs of fish.

2.1.3 Stocking

Salmon fry were stocked into the River Esk in the mid 1950s and also between 1965 and 1969. The latter introductions were intended to mitigate for the loss of spawning fish through UDN. Batches of salmon fry were also introduced between 1979 and 1981 and further batches of parr were stocked each year from 1987 in an effort to arrest the decline in catches of salmon in the river. Another stocking programme was also undertaken on the River Ure (an Ouse tributary) for a number of years from 1965. Fish stocked in the Ure were subsequently trapped as smolts, tagged and transported to a downstream release site to by-pass the major polluted stretches of the lower Ouse and Humber. Smolt trapping in 1989 indicated that a small self-sustaining stock had been re-established in the river.

2.1.4 Reporting procedures

Throughout the review period, data were compiled from anglers' catch returns. Some aggregation of these data in the period 1951-59 resulted in catches for the Ouse and Esk being combined. However, catches for the Ouse in these years represented only a very small part of the total catch.

2.2 Net catch

Catch data for the nets and fixed engines operated in the Yorkshire area are given in Tables 2.4 to 2.7 and Figures 2.4 to 2.7 and are summarised in Table 2.8 and Figures 2.10 to 2.11.

2.2.1 Description of the fisheries

The net fishery for salmon and migratory trout has operated along the Yorkshire coast. The methods used have been drift and 'T or J' nets (Appendix 1). The region has traditionally been divided into northern and southern areas, corresponding to the pre-1965 River Board districts. The northern part of the area stretches from White Stones, near Boulby in the north (National Grid Reference NZ 748 201), the boundary with the Northumbria region, to Thornwick Nab (National Grid Reference TA 233 724) on the northern side of Flamborough Head in the south. The southern area stretches from Thornwick Nab to Spurn Head.

The southern area fishery exploits predominantly migratory trout. Fishing commenced in 1952 when a single coastal net operated for one year. Catches were described as being 'reasonable' but in order to preserve confidentiality were not disclosed. Netting did not recommence until 1960, but has taken place every year since then. The method favoured in the southern area has been the fixed beach ('T or J') net. The use of these nets was regularised in 1971 by an Order under the Salmon and Freshwater Fisheries Act 1923 and all fishermen in the southern area were given the option of operating either drift or 'T or J' nets at this time. All except one opted for the latter.

Whilst Yorkshire 'T or J' nets are not restricted to particular stations, in practice, netsmen habitually operate in certain areas based on tradition and accessibility from home port, and in those locations perceived to offer the best catches. Once filled, the berths normally remain fixed for the whole season, and from season to season.

Salmon catches in the northern area are higher than in the south. Both drift and 'T or J' nets have been used in this area, although prior to 1965 the nets were not separately licenced, and catches were aggregated and recorded as coastal nets. After 1965, licences were issued for particular methods of fishing. The 'T or J' nets operated in specified areas around Filey (Thornwick Nab to Yons Nab (National Grid Reference TA 094 843)), and Scarborough (Yons Nab to Hayburn Wyke (National Grid Reference TA 011 971)), and the drift nets chiefly in the Whitby area. However, some of the drift nets have been used as semi-fixed beach nets, close to Whitby. Such nets are weighted to retard the drift and are sometimes referred to as beach, hook or J nets. They are, however, distinct from the fixed 'T or J' nets. From 1972, drift net licensees have been allowed to operate their nets throughout the Yorkshire area with the exception of the small prohibited 'playground' area around Whitby harbour. In fact, drift nets have continued to be operated predominantly in the northern area around Whitby, and the whole drift net catch has continued to be reported under the northern area. Catches made by the drift nets operated as beach nets around Whitby have not been distinguished from the remainder of the drift net catch.

In the early part of the review period, a small scale net fishery also operated in the lower Ouse up to the tidal limit at Naburn. This fishery consisted of seine and lave (dip) nets (Appendix 1), the latter being locally referred to as click nets. Declared catches for this fishery were very low, and no fishing took place after 1964, presumably as a result of the stock declining to insignificant levels.

2.2.2 Changes in fishing methods and fishing effort

In common with the Northumbria region, the major change affecting fishing practices in Yorkshire over the period was the advent of synthetic netting materials. This development greatly increased the efficiency of drift nets, enabled them to be used in daylight hours and encouraged netsmen to operate further offshore. The improvement in catches attracted more netsmen into the fishery and necessitated the introduction of regulatory measures.

In the Yorkshire northern area, the number of licences issued increased from 39 at the beginning of the review period to about 50 in the early 1960s. It then declined again before rising to a peak of 86 in 1972. In the southern area, the number of licences increased more steadily, from four in 1952 to 20 in 1970 and 1971. In 1972, an NLO of 29 drift nets and 29 'T or J' nets was introduced for the whole region, and the number of licences issued was gradually reduced to this level. The Yorkshire NLO was altered in 1983 to allow 33 'T or J' nets to be used, and a further NLO introduced in 1986 decreased the number of drift nets to 22 but allowed 39 'T or J' nets.

Catch per licence in the 1980s was several times higher than in the 1950s and early 1960s. However, this increase may also reflect improvements in reporting procedures.

2.2.3 Reporting procedures

As for the rod data, Yorkshire net catches have been compiled entirely from catch returns. The proportion of netsmen making returns was generally very high.

In common with all other areas, it has been impossible to quantify the extent of illegal catches during the period. However, many of the annual reports for the Yorkshire region over the period referred to a high level of illegal netting, particularly in the estuary of the Esk in and around Whitby. Illegal catches in this area may thus have been substantial. In addition, a small number of boats operated unlicensed drift nets outside the 3 mile limit in the early 1960s and therefore not under the jurisdiction of the local fishery authority. Subsequently, the Sea Fish Industries Act (1962) required these vessels to hold a MAFF licence (as well as a River Board licence) in order to continue this practice. Catches after this time were reported and are included in these statistics.

A more detailed account of the history and operation of the Yorkshire net fishery is given in the Salmon Net Fisheries review (Anon., 1991).

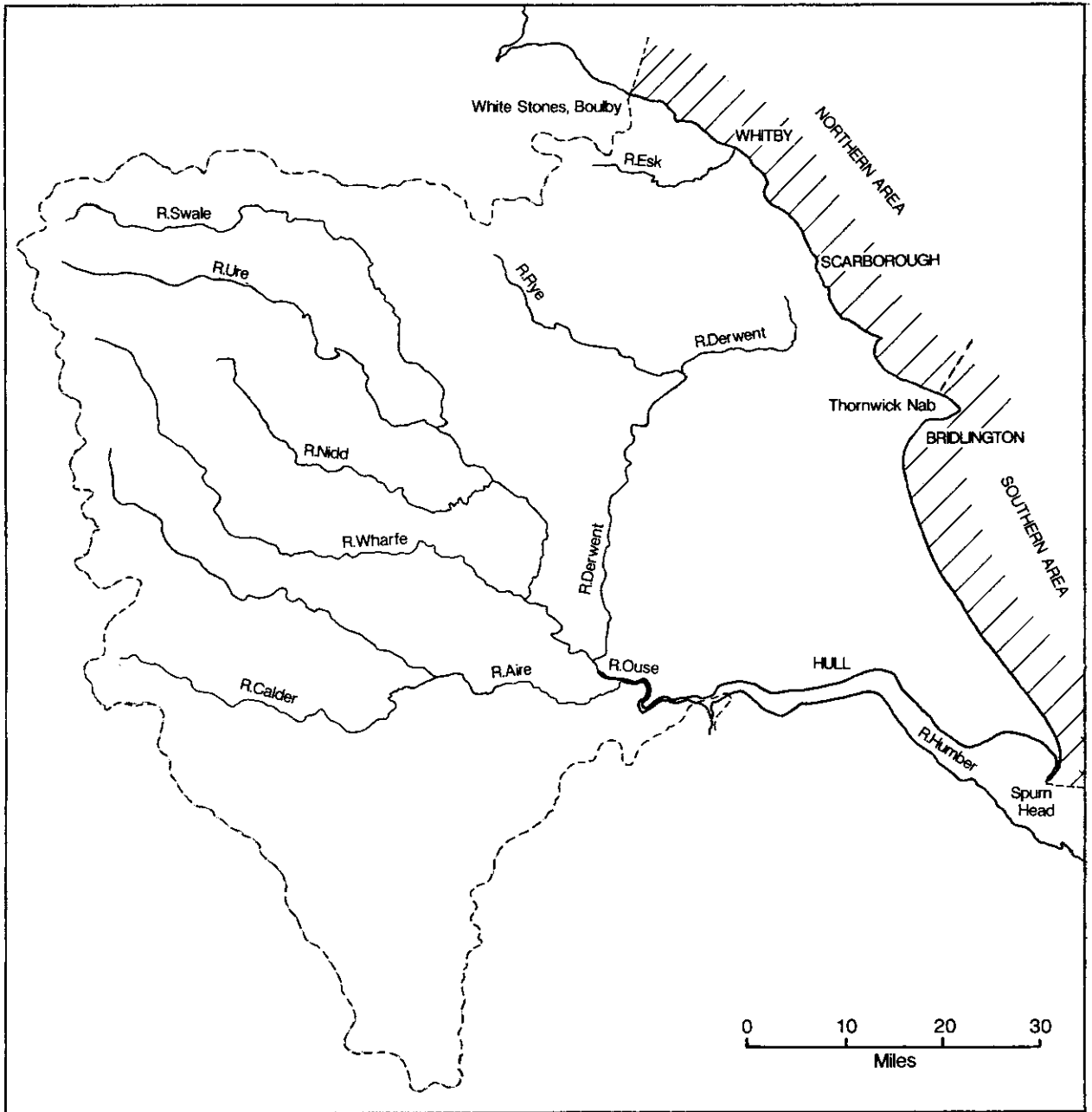


Figure 2.1 Yorkshire Region - river systems and fishery areas

Table 2.1 River Esk - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	157	1533	-	-
1952	89	882	139	456
1953	-	-	-	-
1954	-	-	-	-
1955	-	-	-	-
1956	607	6999	540	2001
1957	-	-	334	1219
1958	-	-	407	1571
1959	-	-	-	-
1960	593	5835	546	2072
1961	249	2443	314	1490
1962	542	4917	415	1767
1963	339	3513	486	2027
1964	219	1763	545	2590
1965	923	9211	626	2701
1966	654	6528	506	2392
1967	492	4877	558	2347
1968	379	3679	358	1555
1969	363	3181	182	798
1970	166	1781	110	382
1971	332	3577	138	532
1972	156	1515	143	585
1973	424	3955	304	1117
1974	197	1748	421	1850
1975	134	1269	220	899
1976	202	2021	726	3286
1977	178	1617	466	1718
1978	238	2826	228	1012
1979	84	841	153	603
1980	154	1615	448	1687
1981	162	1700	320	1385
1982	113	1057	340	1302
1983	48	517	146	452
1984	39	377	256	1060
1985	104	913	207	710
1986	65	619	130	443
1987	70	659	299	1098
1988	49	373	279	922
1989	11	106	97	289
1990	14	104	162	608

Table 2.2 Rivers Ouse and Esk - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	157	543
1952	-	-	-	-
1953	169	1673	157	557
1954	185	1549	254	985
1955	199	2204	-	-
1956	-	-	-	-
1957	333	3508	-	-
1958	437	4155	-	-
1959	58	608	207	925

Note: For certain years in the 1950's, rod catches for the Ouse and Esk were not separately reported. Data for these years were aggregated and are recorded in Table 2.2. However, the contribution of Ouse fish in these years is small.

Table 2.3 River Ouse - salmon and migratory trout

YEAR	SALMON												MIGRATORY TROUT		
	LAVE NETS		SEINE NETS		TOTAL NET CATCH		ROD CATCH		TOTAL CATCH		ROD CATCH		NO	WEIGHT (LBS)	
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)			NO
1951	1	0	0	2	5	89	3	5	89	4	39	9	128	-	-
1952	1	0	0	2	0	0	3	0	0	1	10	1	10	4	13
1953	2	4	82	2	18	302	4	22	384	-	-	22	384	-	-
1954	2	0	0	2	27	469	4	27	469	-	-	27	469	-	-
1955	1	0	0	1	11	164	2	11	164	-	-	11	164	1	4
1956	1	0	0	1	2	32	2	2	32	1	12	3	44	2	7
1957	1	0	0	1	1	25	2	1	25	-	-	1	25	8	29
1958				1	5	67	1	5	67	-	-	5	67	7	27
1959				1	0	0	1	0	0	-	-	0	0	-	-
1960				1	0	0	1	0	0	-	-	0	0	18	66
1961				1	0	0	1	0	0	-	-	0	0	14	53
1962				1	2	33	1	2	33	-	-	2	33	-	-
1963				1	2	31	1	2	31	-	-	2	31	-	-
1964				1	0	0	1	0	0	-	-	0	0	-	-
1965										1	5	1	5	14	60

Notes: For certain years in the 1950's rod catches for the Ouse were aggregated with those from the Esk. These are reported in Table 2.2. No migratory trout were reported to be caught by nets during the review period. All netting ceased after 1964, and no rod catches of salmon or migratory trout were reported after 1965, although a residual stock is thought to have been maintained.

Table 2.4 Coastal nets (N) - salmon

YEAR	T OR J NETS			DRIFT NETS			TOTAL		
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-	39	722	8415
1952	-	-	-	-	-	-	33	459	5427
1953	-	-	-	-	-	-	33	543	6453
1954	-	-	-	-	-	-	27	283	3050
1955	-	-	-	-	-	-	34	1345	15443
1956	-	-	-	-	-	-	31	516	6132
1957	-	-	-	-	-	-	35	823	9208
1958	-	-	-	-	-	-	40	1433	14306
1959	-	-	-	-	-	-	40	1333	14564
1960	-	-	-	-	-	-	45	1673	16902
1961	-	-	-	-	-	-	43	1348	15986
1962	-	-	-	-	-	-	45	2237	21056
1963	-	-	-	-	-	-	50	1275	14743
1964	-	-	-	-	-	-	48	1084	10871
1965	16	249	2475	29	2096	24325	45	2345	26800
1966	15	355	3733	26	1129	11638	41	1484	15371
1967	14	541	5342	29	2331	24971	43	2872	30313
1968	16	302	2950	27	1497	14761	43	1799	17711
1969	11	403	3844	25	2854	23715	36	3257	27559
1970	15	775	6127	34	3477	30976	49	4252	37103
1971	17	1016	8314	49	4791	44022	66	5807	52336
1972	18	405	3214	68	2830	25577	86	3235	28791
1973	15	540	4104	56	3697	32455	71	4237	36559
1974	14	204	1562	55	4966	40489	69	5170	42051
1975	15	605	4726	55	7174	63334	70	7779	68060
1976	14	261	1851	55	3223	26950	69	3484	28801
1977	15	602	3991	54	12729	95181	69	13331	99172
1978	15	182	1605	43	4364	38287	58	4546	39892
1979	16	395	2874	38	4305	34739	54	4700	37613
1980	15	286	2062	34	3657	30426	49	3943	32488
1981	15	1035	7573	34	9854	84684	49	10889	92257
1982	15	707	4806	33	6534	48535	48	53341	53341
1983	15	1739	11383	33	12243	103207	48	13982	114590
1984	18	675	5175	28	7801	61710	46	8476	66885
1985	18	1048	7507	26	9168	73579	44	10216	81086
1986	18	1242	9145	27	7925	63247	45	9167	72392
1987	18	373	2840	26	2543	18664	44	2916	21504
1988	20	590	4199	24	5399	40698	44	5989	44897
1989	20	1228	7917	23	4908	33841	43	6136	41758
1990	20	641	4531	22	7723	58177	42	8364	62708

Note: Net catches were not separately reported by fishing method before 1965.

Table 2.5 Coastal nets (N) - migratory trout

YEAR	TORJ NETS			DRIFT NETS			TOTAL		
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-	39	3766	13252
1952	-	-	-	-	-	-	33	4459	15655
1953	-	-	-	-	-	-	33	3271	11586
1954	-	-	-	-	-	-	27	2425	9126
1955	-	-	-	-	-	-	34	5371	20384
1956	-	-	-	-	-	-	31	3252	12236
1957	-	-	-	-	-	-	35	4247	17507
1958	-	-	-	-	-	-	40	7353	32233
1959	-	-	-	-	-	-	40	5491	22673
1960	-	-	-	-	-	-	45	7979	33556
1961	-	-	-	-	-	-	43	5279	22715
1962	-	-	-	-	-	-	45	8691	35719
1963	-	-	-	-	-	-	50	6368	25831
1964	-	-	-	-	-	-	48	5817	24937
1965	16	4413	18086	29	2847	13315	45	7260	31401
1966	15	3731	16124	26	1062	5910	41	4793	22034
1967	14	4460	20202	29	3023	14674	43	7483	34876
1968	16	4054	18853	27	2551	13502	43	6605	32355
1969	11	2906	12038	25	1317	6276	36	4223	18314
1970	15	2462	9909	34	1695	7699	49	4157	17608
1971	17	4062	18146	49	3049	15615	66	7111	33761
1972	18	3899	16657	68	3047	14283	86	6946	30940
1973	15	3180	13343	56	2891	13858	71	6071	27201
1974	14	2526	10423	55	4612	21657	69	7138	32080
1975	15	2652	11470	55	4394	22763	70	7046	34233
1976	14	4665	18824	55	5738	25988	69	10403	44812
1977	15	3264	13717	54	6510	31263	69	9774	44980
1978	15	2885	11902	43	3251	14779	58	6136	26681
1979	16	5061	19926	38	4325	19850	54	9386	39776
1980	15	6077	24449	34	6785	30889	49	12862	53338
1981	15	5850	24709	34	8470	39642	49	14320	64351
1982	15	7349	29394	33	5613	26594	48	12962	55988
1983	15	6722	28718	33	7565	36757	48	14287	65475
1984	18	4901	21094	28	7048	34725	46	11949	55819
1985	18	5656	24117	26	5974	29518	44	11630	53635
1986	18	6583	28064	27	5462	25567	45	12045	53631
1987	18	6465	25410	26	4658	20214	44	11123	45624
1988	20	7067	27894	24	5502	26190	44	12569	54084
1989	20	9396	40269	23	6007	33004	43	15403	73273
1990	20	4870	20880	22	5873	27758	42	10743	48638

Notes: Net catches were not separately reported by fishing method before 1965.

Table 2.4 Coastal nets (N) - salmon

YEAR	T OR J NETS			DRIFT NETS			TOTAL		
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-	39	722	8415
1952	-	-	-	-	-	-	33	459	5427
1953	-	-	-	-	-	-	33	543	6453
1954	-	-	-	-	-	-	27	283	3050
1955	-	-	-	-	-	-	34	1345	15443
1956	-	-	-	-	-	-	31	516	6132
1957	-	-	-	-	-	-	35	823	9208
1958	-	-	-	-	-	-	40	1433	14306
1959	-	-	-	-	-	-	40	1333	14564
1960	-	-	-	-	-	-	45	1673	16902
1961	-	-	-	-	-	-	43	1348	15986
1962	-	-	-	-	-	-	45	2237	21056
1963	-	-	-	-	-	-	50	1275	14743
1964	-	-	-	-	-	-	48	1084	10871
1965	16	249	2475	29	2096	24325	45	2345	26800
1966	15	355	3733	26	1129	11638	41	1484	15371
1967	14	541	5342	29	2331	24971	43	2872	30313
1968	16	302	2950	27	1497	14761	43	1799	17711
1969	11	403	3844	25	2854	23715	36	3257	27559
1970	15	775	6127	34	3477	30976	49	4252	37103
1971	17	1016	8314	49	4791	44022	66	5807	52336
1972	18	405	3214	68	2830	25577	86	3235	28791
1973	15	540	4104	56	3697	32455	71	4237	36559
1974	14	204	1562	55	4966	40489	69	5170	42051
1975	15	605	4726	55	7174	63334	70	7779	68060
1976	14	261	1851	55	3223	26950	69	3484	28801
1977	15	602	3991	54	12729	95181	69	13331	99172
1978	15	182	1605	43	4364	38287	58	4546	39892
1979	16	395	2874	38	4305	34739	54	4700	37613
1980	15	286	2062	34	3657	30426	49	3943	32488
1981	15	1035	7573	34	9854	84684	49	10889	92257
1982	15	707	4806	33	6534	48535	48	7241	53341
1983	15	1739	11383	33	12243	103207	48	13982	114590
1984	18	675	5175	28	7801	61710	46	8476	66885
1985	18	1048	7507	26	9168	73579	44	10216	81086
1986	18	1242	9145	27	7925	63247	45	9167	72392
1987	18	373	2840	26	2543	18664	44	2916	21504
1988	20	590	4199	24	5399	40698	44	5989	44897
1989	20	1228	7917	23	4908	33841	43	6136	41758
1990	20	641	4531	22	7723	58177	42	8364	62708

Note: Net catches were not separately reported by fishing method before 1965.

Table 2.5 Coastal nets (N) - migratory trout

YEAR	TOR J' NETS			DRIFT NETS			TOTAL		
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-	39	3766	13252
1952	-	-	-	-	-	-	33	4459	15655
1953	-	-	-	-	-	-	33	3271	11586
1954	-	-	-	-	-	-	27	2425	9126
1955	-	-	-	-	-	-	34	5371	20384
1956	-	-	-	-	-	-	31	3252	12236
1957	-	-	-	-	-	-	35	4247	17507
1958	-	-	-	-	-	-	40	7353	32233
1959	-	-	-	-	-	-	40	5491	22673
1960	-	-	-	-	-	-	45	7979	33556
1961	-	-	-	-	-	-	43	5279	22715
1962	-	-	-	-	-	-	45	8691	35719
1963	-	-	-	-	-	-	50	6368	25831
1964	-	-	-	-	-	-	48	5817	24937
1965	16	4413	18086	29	2847	13315	45	7260	31401
1966	15	3731	16124	26	1062	5910	41	4793	22034
1967	14	4460	20202	29	3023	14674	43	7483	34876
1968	16	4054	18853	27	2551	13502	43	6605	32355
1969	11	2906	12038	25	1317	6276	36	4223	18314
1970	15	2462	9909	34	1695	7699	49	4157	17608
1971	17	4062	18146	49	3049	15615	66	7111	33761
1972	18	3899	16657	68	3047	14283	86	6946	30940
1973	15	3180	13343	56	2891	13858	71	6071	27201
1974	14	2526	10423	55	4612	21657	69	7138	32080
1975	15	2652	11470	55	4394	22763	70	7046	34233
1976	14	4665	18824	55	5738	25988	69	10403	44812
1977	15	3264	13717	54	6510	31263	69	9774	44980
1978	15	2885	11902	43	3251	14779	58	6136	26681
1979	16	5061	19926	38	4325	19850	54	9386	39776
1980	15	6077	24449	34	6785	30889	49	12862	55338
1981	15	5850	24709	34	8470	39642	49	14320	64351
1982	15	7349	29394	33	5613	26594	48	12962	55988
1983	15	6722	28718	33	7565	36757	48	14287	65475
1984	18	4901	21094	28	7048	34725	46	11949	55819
1985	18	5656	24117	27	5974	29518	44	11630	53635
1986	18	6583	28064	26	5462	25567	45	12045	53631
1987	18	6465	25410	26	4658	20214	44	11123	45624
1988	20	7067	27894	24	5502	26190	44	12569	54084
1989	20	9396	40269	23	6007	33004	43	15403	73273
1990	20	4870	20880	22	5873	27758	42	10743	48638

Note: Net catches were not separately reported by fishing method before 1965.

Table 2.6 Coastal nets (S) - salmon

YEAR	T OR J NETS		DRIFT NETS		TOTAL	
	LIC	NO WEIGHT (LBS)	LIC	NO WEIGHT (LBS)	LIC	NO WEIGHT (LBS)
1951	-	-	-	-	-	-
1952	-	-	-	-	-	-
1953-59	-	-	-	-	1(a)	-
1960	-	-	-	-	4	31
1961	-	-	-	-	8	138
1962	-	-	-	-	13	498
1963	-	-	-	-	13	141
1964	-	-	-	-	12	336
1965	11	29 181	-	-	11	181
1966	11	93 679	-	-	11	679
1967	11	121 901	-	-	11	901
1968	12	179 1328	-	-	12	1328
1969	12	220 1465	-	-	12	1465
1970	19	135 794	1	17 142	20	936
1971	19	218 1471	1	47 465	20	1936
1972	16	164 909	1	76 563	17	1472
1973	15	117 847	1	1 9	16	856
1974	15	200 1296	1	0 0	16	1296
1975	15	202 1441	1	123 1006	16	2447
1976	13	83 574	1	16 148	14	722
1977	14	66 477	1	98 697	15	1174
1978	14	58 517	1	84 793	15	1310
1979	13	98 760	1	0 0	14	760
1980	14	50 397	1	10 101	15	498
1981	14	121 1014	1	223 1725	15	2739
1982	14	156 991	1	3 30	15	1021
1983	14	351 2678	1	0 0	15	2678
1984	14	125 972	1	9 73	15	1045
1985	14	365 2382	2	123 877	16	3259
1986	14	226 1716	2	134 1095	16	2811
1987	15	144 1049	1	19 146	16	1195
1988	16	181 1216	-	-	16	1216
1989	17	148 1099	-	-	17	1099
1990	17	118 969	-	-	17	969

Key: (a) Catches for the single coastal net operated in 1952 were described as 'reasonable' but were not disclosed for reasons of confidentiality.

Note: Net catches were not separately reported by fishing method before 1965.

Table 2.7 Coastal nets (S) - migratory trout

YEAR	T OR J NETS		DRIFT NETS		TOTAL	
	LIC	NO WEIGHT (LBS)	LIC	NO WEIGHT (LBS)	LIC	NO WEIGHT (LBS)
1951	-	-	-	-	-	-
1952	-	-	-	-	1(a)	-
1953-59	-	-	-	-	-	-
1960	-	-	-	-	4	447
1961	-	-	-	-	8	1286
1962	-	-	-	-	13	2795
1963	-	-	-	-	13	949
1964	-	-	-	-	12	1361
1965	11	2956	-	-	11	2956
1966	11	2386	-	-	11	2386
1967	11	3376	-	-	11	3376
1968	12	3239	-	-	12	3239
1969	12	2554	-	-	12	2554
1970	19	2605	1	258	20	2863
1971	19	3335	1	29	20	3364
1972	16	2765	1	205	17	2970
1973	15	4232	1	44	16	4276
1974	15	2940	1	0	16	2940
1975	15	5733	1	621	16	6354
1976	13	5063	1	1238	14	6301
1977	14	3183	1	688	15	3871
1978	14	3663	1	436	15	4099
1979	13	8734	1	1	14	8735
1980	14	6439	1	241	15	6680
1981	14	6252	1	432	15	6684
1982	14	10598	1	144	15	10742
1983	14	11753	1	17	15	11770
1984	14	8470	1	116	15	8586
1985	14	9146	2	384	16	9530
1986	14	10685	2	377	16	11062
1987	15	7837	1	34	16	7871
1988	16	9005	-	-	16	9005
1989	17	7340	-	-	17	7340
1990	17	5114	-	-	17	5114

Key: (a) Catches for the single coastal net operated in 1952 were described as 'reasonable' but were not disclosed for reasons of confidentiality.

Note: Net catches were not separately reported by fishing method before 1965.

Table 2.8 Yorkshire Region - totals

YEAR	ROD CATCH				NET CATCH				TOTAL CATCH				
	SALMON		MIGRATORY TROUT		LIC	SALMON		MIGRATORY TROUT		SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)		NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	161	1572	157	543	42	727	8504	3766	13252	888	10076	3923	13795
1952	90	892	143	469	37 (e)	459	5427	4459	15655	549	6319	4602	16124
1953	169	1673	157	557	31	565	6837	3271	11586	734	8510	3428	12143
1954	185	1549	254	985	31	310	3519	2425	9126	495	5068	2679	10111
1955	199	2204	1	4	36	1356	15607	5371	20384	1555	17811	5372	20388
1956	608	7011	542	2008	33	518	6164	3252	12236	1126	13175	3794	14244
1957	333	3508	342	1248	37	824	9233	4247	17507	1157	12741	4589	18755
1958	437	4155	414	1598	41	1438	14373	7353	32233	1875	18528	7767	33831
1959	58	608	207	925	41	1333	14564	5491	22673	1391	15172	5698	23598
1960	593	5835	564	2138	50	1677	16933	8426	35556	2270	22768	8990	37694
1961	249	2443	328	1543	52	1364	16124	6565	28503	1613	18567	6893	30046
1962	542	4917	415	1767	59	2303	21587	11486	47834	2845	26504	11901	49601
1963	339	3513	486	2027	64	1305	14915	7317	31646	1644	18428	7803	33673
1964	219	1763	545	2590	61	1127	11207	7178	30800	1346	12970	7723	33390
1965	924	9216	640	2761	56	2374	26981	10216	44222	3298	36197	10856	46983
1966	654	6528	506	2392	52	1577	16050	7179	31993	2231	22578	7685	34385
1967	492	4877	558	2347	54	2993	31214	10859	49484	3485	36091	11417	51831
1968	379	3679	358	1555	55	1978	19039	9844	45735	2357	22718	10202	47290
1969	363	3181	182	798	48	3477	29024	6777	28990	3840	32205	6959	29788
1970	166	1781	110	382	69	4004	38039	7020	29378	4570	39820	7130	29760
1971	332	3577	138	532	86	6072	54272	10475	48304	6404	57849	10613	48836
1972	156	1515	143	585	103	3475	30263	9916	43480	3631	31778	10059	44065
1973	424	3955	304	1117	87	4355	37415	10347	44633	4779	41370	10651	45750
1974	197	1748	421	1850	85	5370	43347	10078	44727	5567	45095	10499	46577
1975	134	1269	220	899	86	8104	70507	13400	65391	8238	71776	13620	66290
1976	202	2021	726	3286	83	3583	29523	16704	73412	3785	31544	17430	76698
1977	178	1617	466	1718	84	13495	100346	13645	62410	13673	101963	14111	64128
1978	238	2826	228	1012	73	4688	41202	10235	44684	4926	44028	10463	45696
1979	84	841	153	603	68	4798	38373	18121	75854	4882	39214	18274	76457
1980	154	1615	448	1687	64	4003	32986	19542	82255	4157	34601	19990	83942
1981	162	1700	320	1385	64	11233	94996	21004	92382	11395	96696	21324	93767
1982	113	1057	340	1302	63	7400	54362	23704	97626	7513	55419	24044	98928
1983	48	517	146	452	63	14333	117268	26057	116303	14381	117785	26203	116755
1984	39	377	256	1060	61	8610	67930	20535	90594	8649	68307	20791	91654
1985	104	913	209	712	60	10704	84345	21160	93250	10808	85258	21369	93962
1986	65	619	130	443	61	9527	75203	23107	98860	9592	75822	23237	99303
1987	70	659	299	1098	60	3079	22699	18994	75415	3149	23358	19293	76513
1988	49	373	279	922	60	6170	46113	21574	88656	6219	46486	21853	89578
1989	11	106	97	289	60	6284	42857	22743	104469	6295	42963	22840	104758
1990	14	104	162	608	59	8482	63677	15857	72096	8496	63781	16019	72704

Key: (a) Catches for the single net licence in the Southern area were not disclosed for reasons of confidentiality.

Figure 2.2 Declared rod catch of salmon for the River Esk

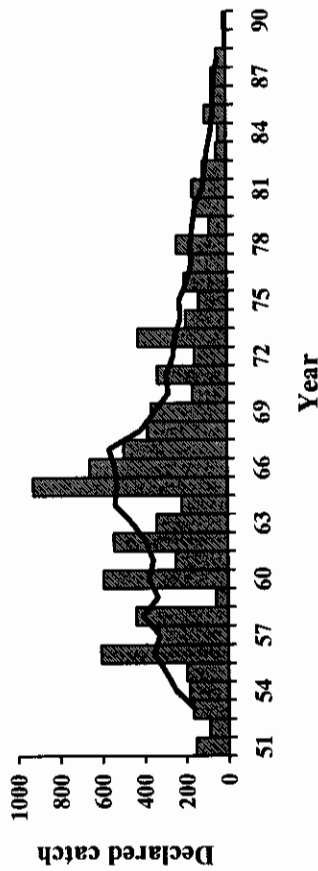
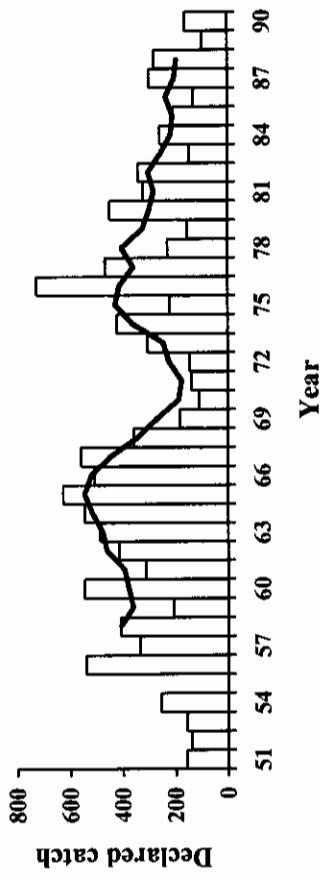


Figure 2.3 Declared rod catch of migratory trout for the River Esk



Note : For the years 1951-59 catches include small numbers of fish from the River Ouse

Figure 2.4 Declared net catch of salmon for the Yorkshire Region, (Northern area)

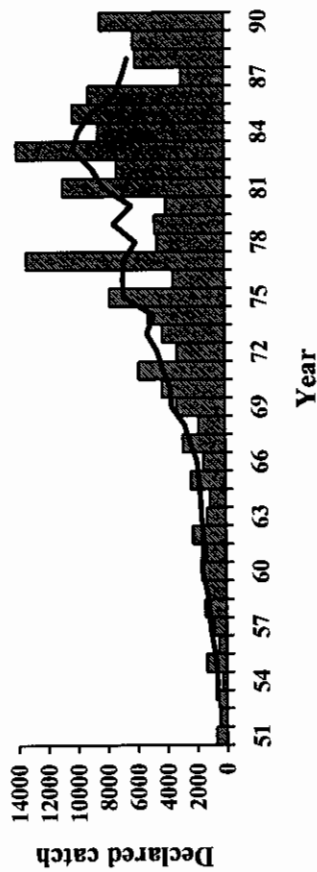


Figure 2.5 Declared net catch of migratory trout for the Yorkshire Region, (Northern area)

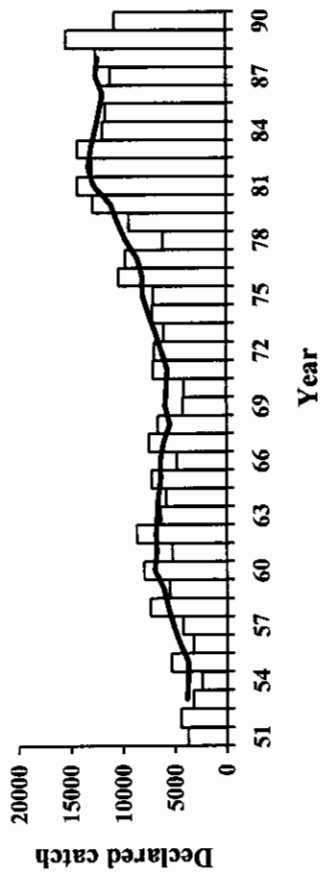


Figure 2.6 Declared net catch of salmon for the Yorkshire Region, (Southern area)

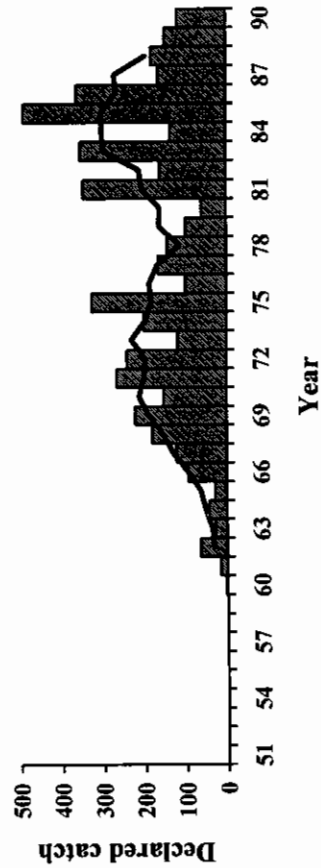


Figure 2.7 Declared net catch of migratory trout for the Yorkshire Region, (Southern area)

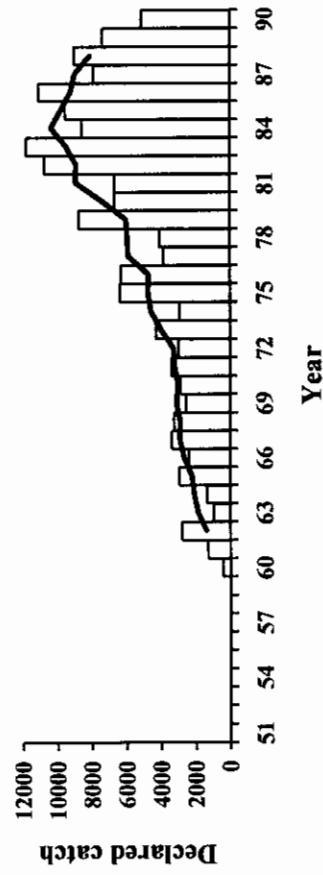


Figure 2.8 Declared rod catch of salmon for the Yorkshire Region

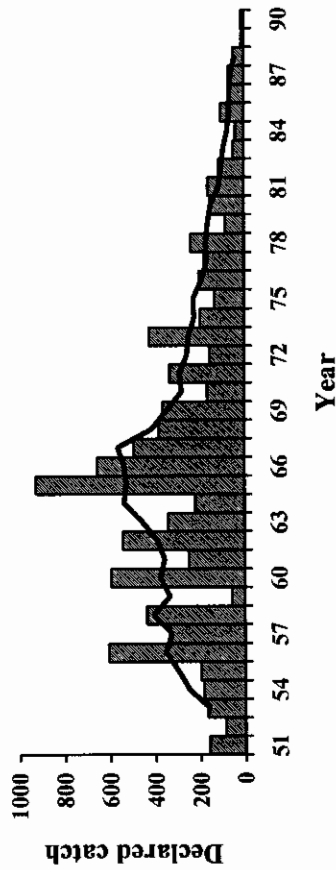


Figure 2.9 Declared rod catch of migratory trout for the Yorkshire Region

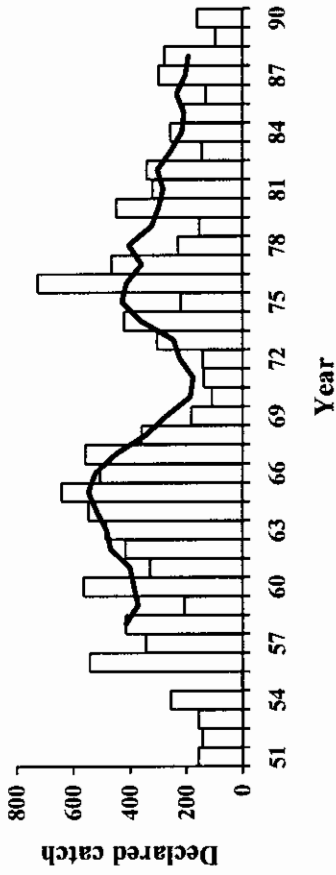


Figure 2.10 Declared net catch of salmon for the Yorkshire Region

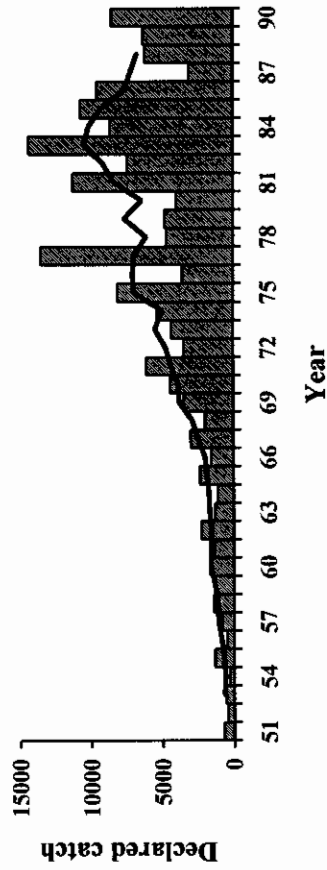
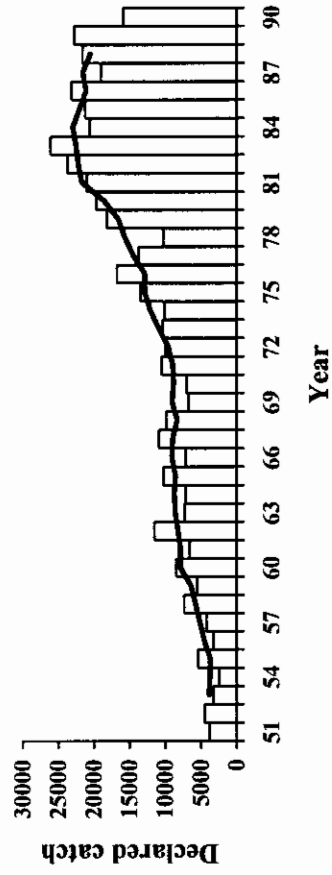


Figure 2.11 Declared net catch of migratory trout for the Yorkshire Region



3. ANGLIAN REGION

For the period of this statistical review fisheries in the Anglian region were under the jurisdiction of the following organisations:

1951-64	Lincolnshire River Board Welland River Board Nene River Board Great Ouse River Board East Suffolk and Norfolk River Board Essex River Board
1965-73	Lincolnshire River Authority Welland and Nene River Authority Great Ouse River Authority East Suffolk and Norfolk River Authority Essex River Authority
1974-88	Anglian Water Authority
1989-90	National Rivers Authority – Anglian region.

Figure 3.1 illustrates the extent of the Anglian region and identifies the fishery areas covered by this review. While licences permitted netting on the entire coast between the Humber and Walton on the Naze, in practice fishing was largely confined to the area illustrated on the figure.

3.1 Rod catch

3.1.1 Description of the fisheries

There were no targeted rod fisheries for migratory salmonids in the Anglian region at any time during the review period. Occasional migratory trout were caught, but such occurrences were rare and were invariably reported to have occurred by chance rather than by design.

3.1.2 Changes in fishing effort

For the reasons outlined above, fishing effort has been extremely low throughout the period.

3.1.3 Stocking

In the past, efforts have been made to generate runs of migratory salmonids in certain rivers in the region. Between 1954 and 1967, the Essex River Board and River Authority stocked both salmon and sea trout parr into the head-waters of the rivers Stour and Blackwater. More recently, the East Suffolk and Norfolk River Authority stocked sea trout parr into the river Glaven for a few years, commencing in 1969. However, neither programme met with much success and no subsequent catches of salmon or sea trout were reported.

3.1.4 Reporting procedures

Catch returns were not required from anglers and no data are therefore available.

3.2 Net catch

Catch data are presented in Table 3.1 and Figure 3.2.

3.2.1 Description of the fishery

Sea trout emigrating from rivers in the north-east of England and south-east Scotland move southwards to feed in the southern North Sea. These fish are exploited off the coasts of Norfolk and Suffolk by a fairly small inshore fishery. The inshore fishery operates from April to September, being carried out by both full-time fishermen, fishing for sea trout during favourable conditions, and by a number of casual 'amateurs'. Nets used in the Anglian region are loosely termed 'coastal nets', and various types of gear have been used in the review period. Drift and seine nets have been those most favoured, although set nets have also been used in some areas. The area byelaws specify an unusually small minimum mesh size for the licenced coastal nets of 60 mm stretched mesh (30 mm knot to knot). This is in order to legalise the landing of migratory trout caught as a by-catch in small licenced nets targeted primarily at small pelagic species such as herring and mackerel.

In addition to the coastal fishery, some estuarial seine netting has also been practised during the review period, particularly in the Great Ouse. Catches have usually been made when rough weather in the Wash and North Sea have coincided with increased river discharge. No catch data were available for this fishery, but reports estimated the annual catch to be between 150 and 300 fish.

3.2.2 Changes in fishing methods and fishing effort

There is little information on the status of the coastal fishery during the review period. It is probable, however, that as with the fishery in the Northumbrian and Yorkshire regions catches in this area must have been influenced by the introduction of synthetic netting yarns in the 1960s, and the subsequent increased efficiency of the gear. It is thought that this encouraged an increase in off-shore drift netting for sea trout within the region.

The mesh size of the 'coastal nets' has probably also varied during the review period. In the earlier part of the period, it is likely that mesh sizes were smaller, with a greater emphasis being placed on the capture of herring (with sea trout caught incidentally as a by-catch). More recently, larger mesh nets targeted specifically at sea trout have been more common. The average size of the trout caught in the fishery is likely to have increased as a result.

The number of licences issued has varied throughout the period, showing an overall increase over the period for which data were available. The number of nets was limited to 120 in 1972 following the confirmation of a Net Limitation Order. However, this NLO lapsed in 1981, and no restriction on the number of licences issued was in force during the remainder of the review period.

3.2.3 Reporting procedures

Although all coastal nets have been licenced by the fishery authority for the area, there has been no requirement for the submission of catch returns, until 1989. As a result, prior to 1989 the only information available from the reports of the various regional fishery authorities has been the number of licences issued each year. The catch data presented here have been derived largely from statistics collected by the MAFF Sea Fisheries Inspectorate. Data were only recorded for certain principal ports in Norfolk (with the exception of 1982, when some Suffolk ports were included) and were collected incidentally to the landings of marine species. The extent of the collection area was known to vary from year to year, and catches were recorded by weight only. The data do not, therefore, include fish landed at smaller ports or those landed and offered for sale privately. The catch data for this region are thus far from complete. Data for 1989 and 1990 have been derived from the returns made by netsmen.

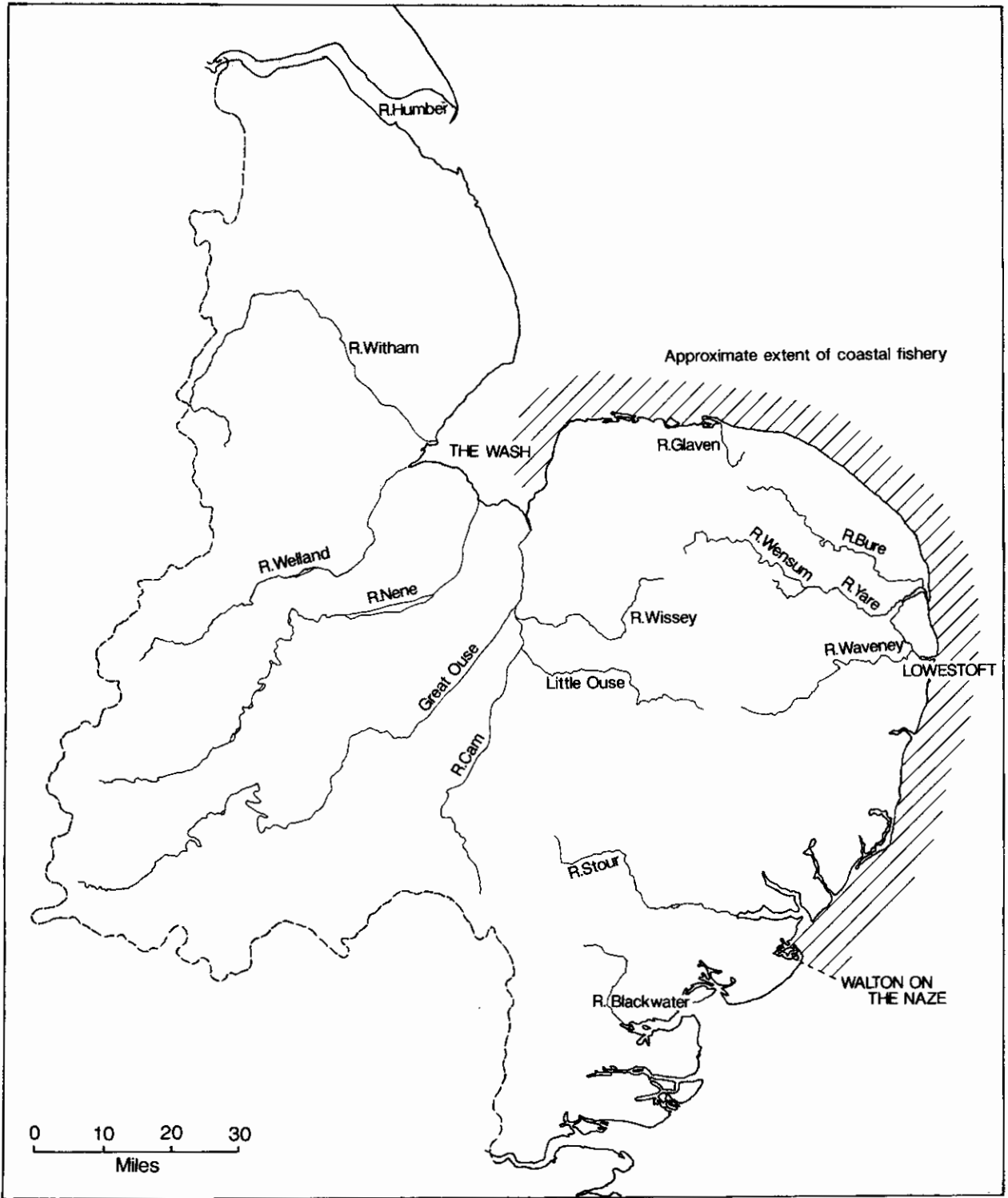


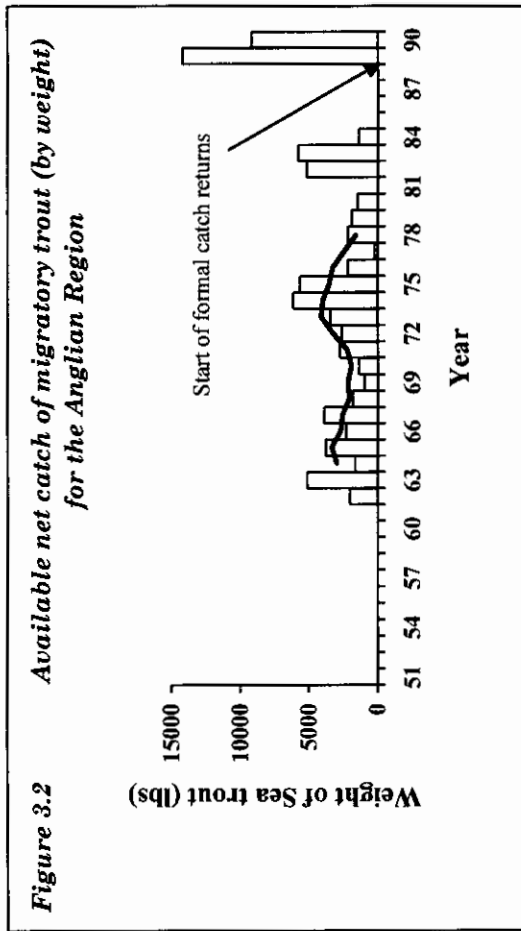
Figure 3.1 Anglian Region - river systems and fishery areas

Table 3.1 *Anglian Region - coastal nets*

YEAR	LIC	SALMON		MIGRATORY TROUT	
		NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-61			----- No data available -----		
1962	60	-	-	-	2030
1963	74	-	-	-	5141
1964	79	-	-	-	1664
1965	106	-	-	-	3797
1966	97	-	-	-	2316
1967	115	-	-	-	3893
1968	100	-	-	-	1828
1969	100	-	-	-	946
1970	87	-	-	-	1352
1971	115	-	-	-	2757
1972	145	-	-	-	2632
1973	154	-	-	-	3444
1974	143	-	-	-	6160
1975	129	-	-	-	5670
1976	134	-	-	-	2156
1977	129	-	-	-	252
1978	121	-	-	-	2184
1979	121	-	-	-	1918
1980	129	-	-	-	1456
1981	154	-	-	-	-
1982	160	-	-	-	5194
1983	146	-	-	-	5796
1984	113	-	-	-	1378
1985	130	-	-	-	-
1986	142	-	-	-	-
1987	144	-	-	-	-
1988	132	-	-	-	-
1989	159	4	40	3815	14231
1990	160	9	42	2313	9206

Notes: Catch returns were not required from licensees in this area until 1989. Data prior to this time have been derived from incomplete records of landings compiled by the MAFF Sea Fisheries Inspectorate. With the exception of 1982, these data were only for ports on the Norfolk coast. The data for 1982 include some fish landed at ports in Suffolk.

There are no directed rod fisheries for migratory salmonids in the Anglian region, and very few salmon are recorded in the coastal fishery.



4. THAMES REGION

For the period relevant to this review, fisheries in the Thames region were under the jurisdiction of the following organisations:

1974-88	Thames Water Authority
1989-90	National Rivers Authority – Thames region.

Although historically supporting sizeable runs of migratory salmonids, the Thames had no self sustaining stock at any time during this review period. Since the advent of the Thames Salmon Rehabilitation Scheme in the mid-1970s relatively small runs of adult salmon have been maintained by stocking, and a few rod caught fish have been reported each year since 1983. No net fishery has operated in the region.

Figure 4.1 illustrates the extent of the Thames region, and Table 4.1 gives details of the rod catch of salmon and migratory trout for the period 1983-90.

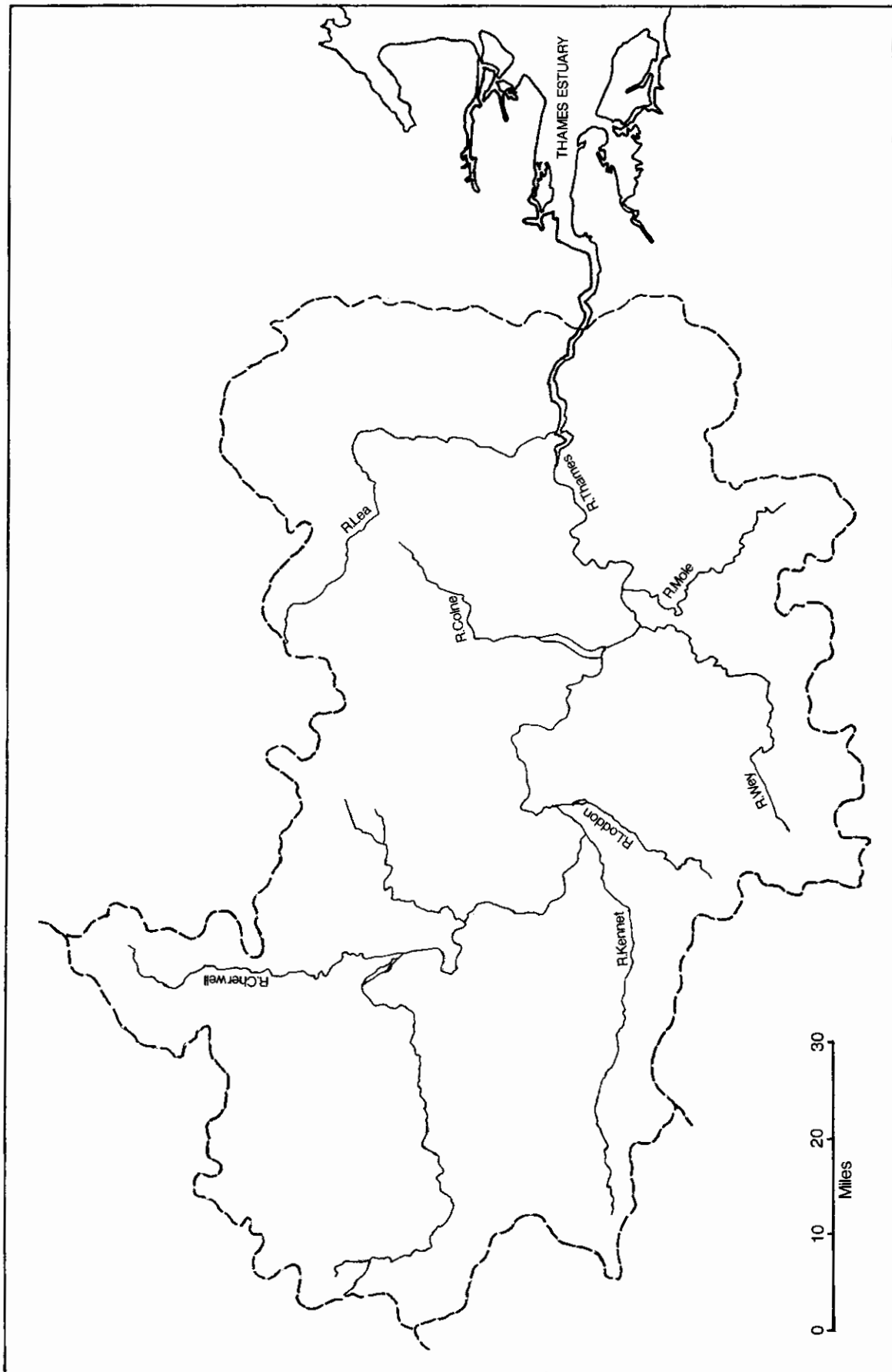


Figure 4.1 Thames Region

Table 4.1 *Thames Region - rods*

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-82				
1983	10	104	0	0
1984	6	42	0	0
1985	11	77	4	9
1986	9	60	2	4
1987	5	35	4	11
1988	12	77	0	0
1989	8	64	5	15
1990	9	64	0	0

----- No catches recorded -----

5. SOUTHERN REGION

For the period of this review, fisheries in the Southern region were under the jurisdiction of the following organisations:

1951-64	Kent River Board East Sussex River Board West Sussex River Board Isle of Wight River Board Hampshire River Board
1965-73	Kent River Authority Sussex River Authority Isle of Wight River Authority Hampshire River Authority
1974-88	Southern Water Authority
1989-90	National Rivers Authority – Southern region.

Figure 5.1 illustrates the extent of the Southern region and identifies the rivers and fishery areas covered by this review.

5.1 Rod catch

Rod catch data are presented in Tables 5.1 to 5.2 and Figures 5.2 to 5.3 and are summarised in Table 5.5 and Figures 5.4 to 5.5.

5.1.1 *Description of the fisheries*

The migratory salmonid rivers in the Southern region are markedly different from many other catchments in England and Wales in that they drain from chalk. Such systems do not tend to exhibit the wide fluctuations in flow and temperature regime usually exhibited by rivers which drain harder upland areas. They are also highly productive systems, which tend to produce a higher proportion of younger smolts than many other rivers.

Of the Southern region rivers, only two, the Test and Itchen in Hampshire, have supported significant runs of salmon during the review period. Reports of rod caught salmon from other rivers have been infrequent. Sea trout, on the other hand, have been more widespread and modest catches have been reported for the rivers Rother and Stour in the Kent area, the rivers Ouse, Arun, Cuckmere and Adur in Sussex, and for the majority of the rivers in Hampshire.

5.1.2 *Changes in fishing effort*

The Woodmill Pool fishery on the river Itchen has been a net-only fishery for much of the review period. However, from 1984 the fishery was opened for rod fishing and this contributed to an overall increase in the rod catch on this river subsequently.

5.1.3 *Stocking*

A number of salmon and sea trout stocking programmes were initiated in the Southern region during the period. In the Kent area, both salmon and sea trout were stocked into the rivers Stour and Rother between 1955 and 1965 in an effort to establish self-sustaining populations in these

ivers. There was no evidence to suggest that this had been successful. In the Sussex area, a hatchery facility was operated from 1964, with sea trout parr being reared for release into the River Ouse. Between 1959 and 1964 efforts were also made to establish a salmon run in the Lymington river in Hampshire by the planting of eyed ova; this again met with little success.

More recently, salmon parr have been stocked into both the rivers Test and Itchen in an effort to arrest declining runs of fish.

5.1.4 Reporting procedures

The extent and accuracy of catch reporting for rod fisheries in the Southern region has exhibited considerable variation during the period, both between different River Board/River Authority areas and between species.

For salmon, catches are believed to have been largely accurately reported and are considered to be more reliable than data for most other parts of England and Wales. The principal reason for this is that the data have largely been derived from accurate catch records maintained by the privately owned fisheries on the rivers Test and Itchen and not from angler's catch returns. These fisheries account for the majority of the salmon catch made in the area over the review period. For most years, salmon catches have been separately reported for the rivers Test and Itchen, however, in the early 1950s data were aggregated into Hampshire area totals.

Between 1951 and 1973, there was no requirement for anglers in the rest of the Southern region, excluding Hampshire, to submit salmon catch returns. Salmon catches in these areas were, however, negligible. Where occasional notes of salmon catches appeared in different authority's annual reports, these have been aggregated under 'others' (Table 5.1).

For sea trout, the catch record in the Southern region has been comparatively poor. As for salmon, there was no requirement to submit catch returns in the Kent, Sussex and Isle of Wight regions from 1951 to 1973 and only incidental reports for these areas for this period were noted. Catches for the Hampshire rivers were rather better reported between 1954 and 1971, although the catch record deteriorated thereafter, with no data being available for 1972 to 1973 and only area totals for several years subsequently.

Collation of sea trout catch data in the Southern region has been hindered by the fact that sea trout fishing has been permitted under either a salmon or a trout licence, the latter covering both migratory and non-migratory fish. Catch returns have not been actively sought from the relatively large number of trout licensees and the proportion of anglers submitting catch returns has been very low. Consequently, a significant proportion of the catch has gone unrecorded over the period.

5.2 Net catch

Net catch data are presented in Tables 5.3 to 5.4 and are summarised in Table 5.5 and Figures 5.6 to 5.7.

5.2.1 Description of the fisheries

The net fishery for migratory salmonids in the Southern region has operated only in Hampshire, with seine nets being the only approved method. Ancient fishing rights have permitted the use of seine nets in both the River Itchen, at Woodmill Pool, and the River Beaulieu. Catches for the latter fishery have been small and entirely of sea trout. Further nets have also operated in public waters,

at various locations in the Solent and Southampton Water. No such nets were licensed before 1972. A net limitation order effective from 1976 restricted the number of such nets to 2. Two additional nets were added to the NLO in 1986, but, while consented, in practice these additional nets have not been fished. Throughout the period the bulk of the region's declared net catch has been taken by the single seine net operating on the River Itchen at Woodmill Pool.

In other parts of the Southern region, incidental reports of the capture of migratory salmonids in nets appeared in various annual reports. Prior to 1951, fixed beach (kettle) nets were licenced for the capture of salmon and sea trout in the Rye Bay area of Kent (Appendix 1). Licences were not issued after 1951, but these nets continued to operate for most of the period, although were targeted at marine species. The incidental capture of migratory salmonids undoubtedly continued, but catches were thought to be small and were never disclosed. In the Sussex area, the annual report for 1965 indicated that a single seine net was licenced on the River Ouse for one year only, however, there was no record of any catch having been made.

The extent of under-reporting and illegal fishing during the period is not known. Reports of illegal netting were infrequent, although some sea trout and small numbers of salmon are known to have been taken in fixed gill nets operated for other species.

5.2.2 Changes in fishing methods and fishing effort

Prior to 1984, the Woodmill Pool fishery on the River Itchen was a net-only fishery. After this date, the fishery was also opened for rods, and both effort and catches in the Woodmill net fishery fluctuated considerably thereafter.

5.2.3 Reporting procedures

In common with most areas, catch data have been derived entirely from returns submitted by licenced netmen. The Woodmill fishery was supervised by authority personnel from 1975 and the reported catches considered more accurate from this time.

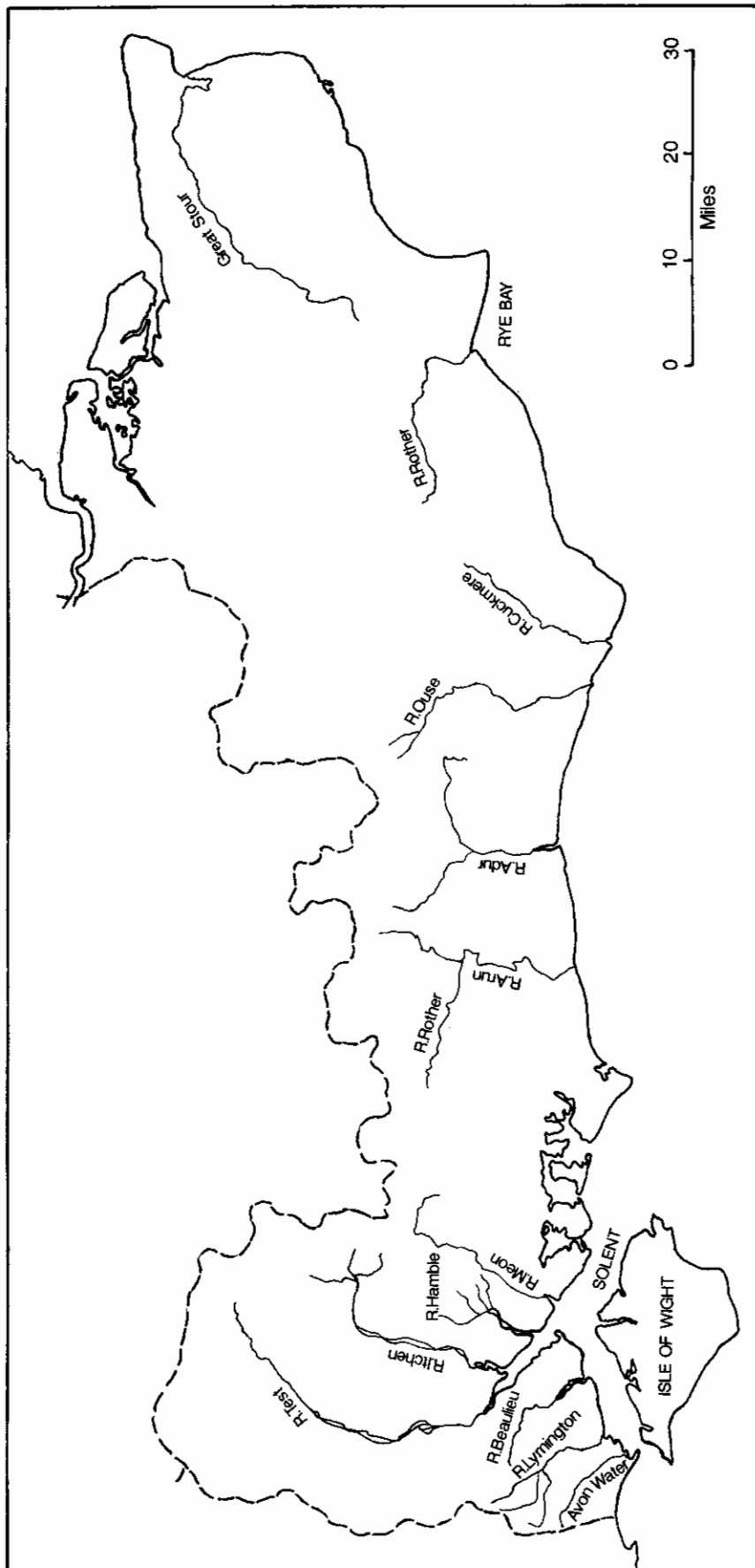


Figure 5.1 Southern Region - river systems

Table 5.1 Southern Region - salmon - rods

YEAR	ITCHEN		TEST		HANTS AREA		OTHERS	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-	525	7393	-	-
1952	-	-	-	-	839	9913	-	-
1953	-	-	-	-	1028	12606	-	-
1954	269	2935	1552	16931	-	-	-	-
1955	239	2982	1013	12640	-	-	1	5
1956	273	3078	1173	13223	-	-	1	11
1957	253	2647	1032	10939	-	-	1	17
1958	289	2430	1487	15465	-	-	6	60
1959	286	3183	1444	16317	-	-	-	-
1960	229	1925	1216	15078	-	-	-	-
1961	285	2400	869	9920	-	-	-	-
1962	270	2748	1715	17670	-	-	-	-
1963	332	3365	1519	17150	-	-	-	-
1964	276	2807	1097	11957	-	-	-	-
1965	371	3784	1045	10769	-	-	-	-
1966	237	2967	937	10963	-	-	-	-
1967	320	3712	841	9587	-	-	-	-
1968	308	3468	885	9964	-	-	-	-
1969	247	2226	1309	11800	-	-	-	-
1970	192	1882	1029	10086	-	-	-	-
1971	271	2656	782	7042	-	-	-	-
1972	306	2999	1052	9473	-	-	-	-
1973	186	1823	1209	10887	-	-	-	-
1974	224	2066	888	8193	-	-	-	-
1975	164	1610	1118	10315	-	-	-	-
1976	98	960	625	5766	-	-	-	-
1977	235	2300	598	5517	-	-	-	-
1978	215	2107	462	4262	-	-	-	-
1979	317	3110	744	6864	-	-	-	-
1980	227	2109	983	9134	-	-	-	-
1981	258	2421	1002	9404	-	-	-	-
1982	105	883	600	5238	-	-	-	-
1983	124	1021	606	4930	-	-	-	-
1984	274	2463	686	5604	-	-	-	-
1985	274	2297	631	5161	-	-	-	-
1986	378	2899	813	6499	-	-	-	-
1987	322	2456	518	3640	-	-	-	-
1988	449	3503	603	4941	-	-	-	-
1989	359	3000	503	3675	-	-	-	-
1990	193	1678	292	2476	-	-	-	-

Notes: Individual river totals were not recorded in 1951-53, the data were aggregated and reported for the Hampshire area.

Table 5.2 Southern Region - migratory trout - rods

YEAR	MEON		HAMBLE		BEAULIEU		LYMINGTON		AVON WATER		ITCHEN	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-	-	-	-	-	-	-
1952	-	-	-	-	-	-	-	-	-	-	-	-
1953	-	-	-	-	-	-	-	-	-	-	-	-
1954	-	-	-	-	64	140	-	-	-	-	11	24
1955	-	-	-	-	67	171	-	-	-	-	30	77
1956	58	169	-	-	52	158	27	63	93	218	33	77
1957	94	161	-	-	53	162	203	419	36	71	44	72
1958	79	216	-	-	34	133	177	343	22	63	28	67
1959	35	109	-	-	70	223	260	498	18	51	38	62
1960	198	640	-	-	39	117	280	493	18	54	29	84
1961	238	752	2	9	27	115	67	153	51	151	18	70
1962	241	709	11	11	31	90	355	486	62	149	30	54
1963	685	1654	-	-	68	165	613	958	72	155	42	128
1964	377	1122	5	6	34	85	324	534	37	88	90	137
1965	245	732	-	-	32	80	329	517	37	37	6	9
1966	322	742	-	-	32	64	240	445	39	66	20	143
1967	336	910	-	-	3	5	111	240	21	30	9	28
1968	247	504	-	-	60	186	163	284	-	-	6	14
1969	189	435	-	-	-	-	98	169	3	7	3	11
1970	142	341	-	-	-	-	163	183	-	-	-	-
1971	32	119	-	-	-	-	97	242	-	-	89	165
1972	-	-	-	-	-	-	-	-	-	-	-	-
1973	-	-	-	-	-	-	-	-	-	-	-	-
1974	-	-	-	-	-	-	-	-	-	-	-	-
1975	-	-	-	-	-	-	-	-	-	-	-	-
1976	-	-	-	-	-	-	-	-	-	-	-	-
1977	-	-	-	-	-	-	-	-	-	-	-	-
1978	-	-	-	-	-	-	-	-	-	-	-	-
1979	-	-	-	-	-	-	-	-	-	-	-	-
1980	-	-	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-	-	-	-	-
1983	7	15	-	-	4	5	-	-	-	-	-	-
1984	42	86	-	-	-	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	-	-	-	-
1986	-	-	-	-	-	-	-	-	-	-	2341	5362
1987	-	-	-	-	-	-	-	-	-	-	-	-
1988	-	-	-	-	-	-	-	-	-	-	-	-
1989	-	-	-	-	-	-	-	-	-	-	169	346
1990	-	-	-	-	42	201	-	-	-	-	24	40

Notes: Migratory trout have been fished for under both trout and salmon licences, and catch return rates have been very variable. The data are unreliable. In some years individual river totals were not available and aggregated catches were reported for the Hampshire area. Catches for Kent and Sussex rivers were only available as area totals. Between 1976-81 and 1987-88 catches were aggregated for the whole Southern region.

Table 5.2 continued

YEAR	TEST		HANTS AREA		SUSSEX AREA		KENT AREA		WHOLE AREA	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	422	847	43	-	-	-	-	-
1952	-	-	574	1189	50	-	-	-	-	-
1953	-	-	735	1297	50	-	-	-	-	-
1954	332	725	-	-	62	-	2	-	-	-
1955	309	790	-	-	14	-	-	-	-	-
1956	338	717	-	-	13	-	3	9	-	-
1957	611	1116	-	-	-	-	-	-	-	-
1958	501	1156	-	-	-	-	2	-	-	-
1959	829	2139	-	-	-	-	7	8	-	-
1960	528	1702	-	-	-	-	5	15	-	-
1961	648	1413	-	-	-	-	4	12	-	-
1962	355	897	-	-	-	-	-	-	-	-
1963	412	1199	-	-	-	-	14	47	-	-
1964	607	1817	-	-	-	-	1	1	-	-
1965	409	1353	-	-	-	-	-	-	-	-
1966	432	1450	-	-	-	-	-	-	-	-
1967	276	1150	-	-	-	-	2	10	-	-
1968	266	892	-	-	-	-	-	-	-	-
1969	133	371	-	-	-	-	-	-	-	-
1970	74	205	-	-	-	-	-	-	-	-
1971	222	743	-	-	-	-	-	-	-	-
1972	-	-	-	-	-	-	-	-	-	-
1973	-	-	-	-	-	-	-	-	-	-
1974	-	-	393	1498	180	620	-	-	-	-
1975	-	-	317	728	100	470	4	7	-	-
1976	-	-	-	-	-	-	-	-	386	1466
1977	-	-	-	-	-	-	-	-	428	1424
1978	-	-	-	-	-	-	-	-	1094	2142
1979	-	-	-	-	-	-	-	-	1765	3230
1980	-	-	-	-	-	-	-	-	1257	2888
1981	-	-	-	-	-	-	-	-	947	2795
1982	351	929	-	-	50	100	-	-	-	-
1983	173	476	-	-	63	336	-	-	-	-
1984	-	-	97	679	17	104	-	-	-	-
1985	-	-	-	-	124	728	-	-	-	-
1986	100	331	76	384	-	-	-	-	-	-
1987	-	-	-	-	-	-	-	-	56	335
1988	-	-	-	-	-	-	-	-	1073	2926
1989	247	688	-	-	-	-	-	-	-	-
1990	34	150	-	-	21	97	-	-	-	-

Notes: Migratory trout have been fished for under both trout and salmon licences, and catch return rates have been very variable. The data are unreliable. Where individual river totals were not available an aggregated catch was reported for the Hampshire area. Catches for Kent and Sussex rivers were only available as area totals. Between 1976-81 and 1987-88 catches were aggregated for the whole Southern region.

Table 5.3 Southern Region - salmon - nets

YEAR	SEINE NETS									
	ITCHEN			HANTS AREA			TOTAL CATCH			
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC
1951	1	52	-	1	1	-	2	53	-	
1952	1	53	577	1	0	0	2	53	577	
1953	1	76	785	1	0	0	2	76	785	
1954	1	85	1111	1	2	26	2	87	1137	
1955	1	105	1125	1	2	21	2	107	1146	
1956	1	416	4622	1	3	33	2	419	4655	
1957	1	180	1475	1	0	0	2	180	1475	
1958	1	76	911	1	0	0	2	76	911	
1959	1	145	1628	1	0	0	2	145	1628	
1960	1	87	1071	1	0	0	2	87	1071	
1961	1	123	1405	1	2	31	2	125	1436	
1962	1	269	2532	1	2	39	2	271	2571	
1963	1	219	2393	1	1	11	2	220	2404	
1964	1	107	1117	1	0	0	2	107	1117	
1965	1	196	1916	1	0	0	2	196	1916	
1966	1	221	2511	1	0	0	2	221	2511	
1967	1	138	1469	1	0	0	2	138	1469	
1968	1	178	1505	1	0	0	2	178	1505	
1969	1	393	3263	1	0	0	2	393	3263	
1970	1	311	2436	1	0	0	2	311	2436	
1971	1	182	1350	1	4	30	2	186	1380	
1972	1	317	2430	3	-	-	4	317	2430	
1973	1	455	3488	3	-	-	4	455	3488	
1974	1	316	2422	3	30	239	4	346	2661	
1975	1	384	2944	3	-	-	4	384	2944	
1976	1	190	1457	3	5	40	4	195	1497	
1977	1	205	1572	3	7	56	4	212	1628	
1978	1	155	1188	3	8	63	4	163	1251	
1979	1	278	2132	3	4	32	4	282	2164	
1980	1	129	990	3	8	63	4	137	1053	
1981	1	224	1717	3	9	72	4	233	1789	
1982	1	86	659	3	8	63	4	94	722	
1983 *	1	151	1158	3	12	96	4	163	1254	
1984 *	1	152	1165	3	3	24	4	155	1189	
1985 *	1	251	1924	3	2	16	4	253	1940	
1986 *	1	456	3996	3	5	40	4	461	4036	
1987	1	463	3481	5	42	463	6 (a)	505	3944	
1988	1	460	3547	5	17	121	6 (a)	477	3668	
1989	1	67	441	5	16	82	6 (a)	83	523	
1990	1	41	273	5	2	7	6 (a)	43	280	

Note: In some years, weight data have been estimated.

Key: * Denotes years in which data differ from that published elsewhere by MAFF.

(a) Two additional licences consented, but not taken up.

Table 5.4 Southern Region - migratory trout - nets

YEAR	SEINE NETS									
	FITCHEN			HANTS AREA			TOTAL CATCH			
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	
1951	1	-	-	1	-	-	2	311	-	
1952	1	-	-	1	-	-	2	843	2524	
1953	1	-	-	1	-	-	2	983	2487	
1954	1	750	2096	1	40	112	2	790	2208	
1955	1	768	2411	1	53	166	2	821	2577	
1956	1	912	3017	1	75	312	2	987	3329	
1957	1	789	2570	1	61	273	2	850	2843	
1958	1	869	2822	1	50	215	2	919	3037	
1959	1	1027	4018	1	95	365	2	1122	4383	
1960	1	877	3118	1	74	297	2	951	3415	
1961	1	1083	4402	1	53	206	2	1136	4608	
1962	1	756	2680	1	92	587	2	848	3267	
1963	1	978	3384	1	32	110	2	1010	3494	
1964	1	753	2680	1	33	103	2	786	2783	
1965	1	1050	3383	1	20	65	2	1070	3448	
1966	1	923	3088	1	25	95	2	948	3183	
1967	1	1133	4068	1	51	176	2	1184	4244	
1968	1	590	2116	1	42	130	2	632	2246	
1969	1	321	1167	1	7	23	2	328	1190	
1970	1	227	773	1	5	17	2	232	790	
1971	1	385	1322	1	27	121	2	412	1443	
1972	1	-	-	3	-	-	4	-	-	
1973	1	-	-	3	-	-	4	-	-	
1974	1	-	-	3	-	-	4	283	1044	
1975	1	-	-	3	-	-	4	371	1483	
1976	1	-	-	3	-	-	4	279	979	
1977	1	-	-	3	-	-	4	306	1473	
1978	1	-	-	3	-	-	4	359	1522	
1979	1	-	-	3	-	-	4	518	2090	
1980	1	-	-	3	-	-	4	766	2822	
1981	1	-	-	3	-	-	4	632	2660	
1982	1	-	-	3	-	-	4	317	1346	
1983	1	-	-	3	-	-	4	159	750	
1984	1	-	-	3	-	-	4	156	869	
1985	1	-	-	3	-	-	4	496	1896	
1986	1	-	-	3	-	-	4	163	750	
1987	1	165	802	5	162	851	6 (a)	327	1653	
1988	1	-	-	5	-	-	6 (a)	232	1012	
1989	1	129	589	5	41	174	6 (a)	170	763	
1990	1	46	254	5	4	9	6 (a)	50	263	

Notes: Where available seine net catches have been recorded separately for the Ichen fishery and elsewhere in Hampshire. However, in some years only whole area totals were reported. Weight data have been estimated in some years.

Key: (a) Two additional licences consented, but not taken up.

Table 5.5 Southern Region - totals

YEAR	ROD CATCH			NET CATCH			TOTAL CATCH					
	SALMON NO	WEIGHT (LBS)	MIGRATORY TROUT NO	WEIGHT (LBS)	SALMON NO	WEIGHT (LBS)	MIGRATORY TROUT NO	WEIGHT (LBS)	SALMON NO	WEIGHT (LBS)	MIGRATORY TROUT NO	WEIGHT (LBS)
1951	525	7393	465	1014 *	2	53	560 *	311	578	7953 *	776	1867 *
1952	839	9913	624	1384 *	2	53	577	843	892	10490	1467	3908 *
1953	1028	12606	785	1492 *	2	76	785	983	1104	13391	1768	3979 *
1954	1821	19866	471	1136 *	3	87	1137	790	1908	21003	1261	3344 *
1955	1253	15627	420	1093 *	2	107	1146	821	1360	16773	1241	3670 *
1956	1447	16312	617	1462 *	2	419	4655	987	1866	20967	1604	4791 *
1957	1286	13603	1041	2001	2	180	1475	850	1466	15078	1891	4844
1958	1782	17955	843	1984 *	2	76	911	919	1858	18866	1762	5021 *
1959	1730	19500	1257	3090	2	145	1628	1122	1875	21128	2379	7473
1960	1445	17003	1097	3105	2	87	1071	951	1532	18074	2048	6520
1961	1154	12320	1055	2675	2	125	1436	1136	1279	13756	2191	7283
1962	1985	20418	1085	2396	2	271	2571	848	2256	22989	1933	5663
1963	1851	20515	1906	4306	2	220	2404	1010	2071	22919	2916	7800
1964	1373	14764	1475	3790	2	107	1117	786	1480	15881	2261	6573
1965	1416	14553	1058	2728	2	196	1916	1070	1612	16469	2128	6176
1966	1174	13930	1085	2910	2	221	2511	948	1395	16441	2033	6093
1967	1161	13299	758	2373	2	138	1469	1184	1299	14768	1942	6617
1968	1193	13432	742	1880	2	178	1505	632	1371	14937	1374	4126
1969	1556	14026	426	993	2	393	3263	328	1949	17289	754	2183
1970	1221	11968	379	729	2	311	2436	232	1532	14404	611	1519
1971	1053	9698	440	1269	2	186	1380	412	1239	11078	852	2712
1972	1358	12472	-	-	3	317	2430	-	1675	14902	-	-
1973	1395	12710	-	-	3	455	3488	-	1850	16198	-	-
1974	1112	10259	573	2118	3	346	2661	283	1458	12920	856	3162
1975	1282	11925	421	1205	3	384	2944	371	1666	14869	792	2688
1976	723	6726	386	1466	3	195	1497	279	918	8223	665	2445
1977	833	7817	428	1424	3	212	1628	306	1045	9445	734	2897
1978	677	6369	1094	2142	4	163	1251	359	840	7620	1453	3664
1979	1061	9974	1765	3230	4	282	2164	518	1343	12138	2283	5320
1980	1210	11243	1257	2888	4	137	1053	766	1347	12296	2023	5710
1981	1260	11825	947	2795	4	233	1789	632	1493	13614	1579	5455
1982	705	6121	401	1029	4	94	722	317	799	6843	718	2375
1983	730	5951	247	832	4	163	1254	159	893	7205	406	1582
1984	960	8067	156	869	4	155	1189	156	1115	9256	312	1738
1985	905	7458	124	728	4	253	1940	496	1158	9398	620	2624
1986	1191	9398	2517	5977	4	461	4036	163	1652	13434	2680	6727
1987	840	6096	56	335	6	505	3944	327	1345	10040	383	1988
1988	1052	8444	1073	2926	6	477	3668	232	1529	12112	1305	3938
1989	862	6675	437	1131	6	83	523	170	945	7198	607	1894
1990	485	4154	100	391	6	43	280	50	528	4434	150	654

Key: * Denotes catch data corrected to allow for missing weight values.

Figure 5.2 Declared rod catch of salmon for the River Itchen

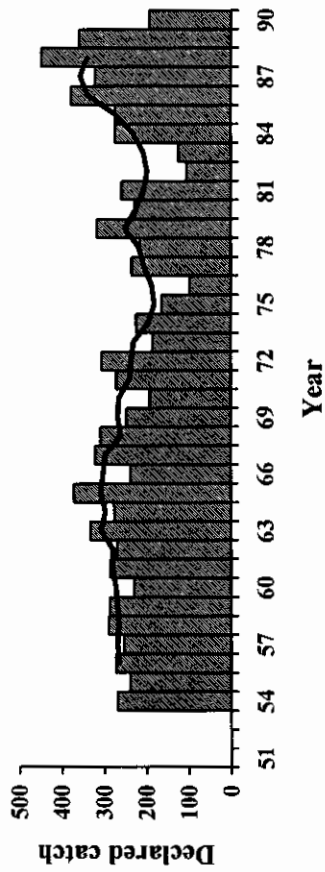


Figure 5.3 Declared rod catch of salmon for the River Test

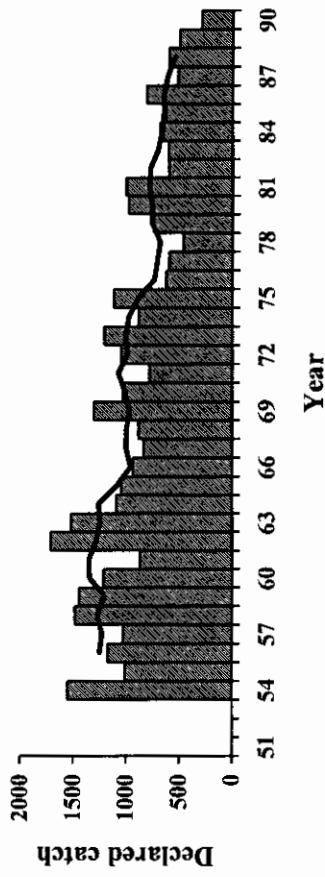


Figure 5.4 Declared rod catch of salmon for the Southern Region

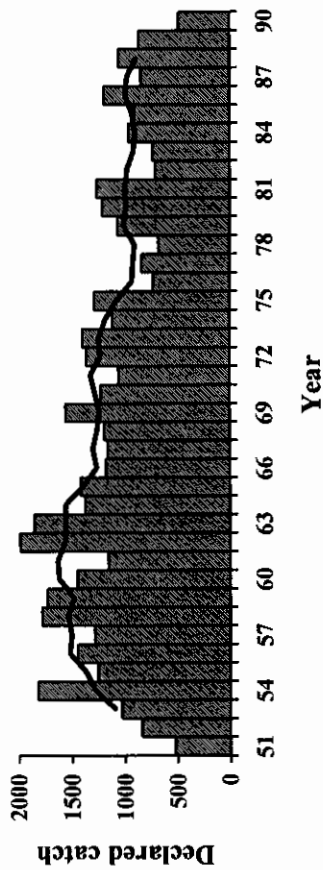


Figure 5.5 Declared rod catch of migratory trout for the Southern Region

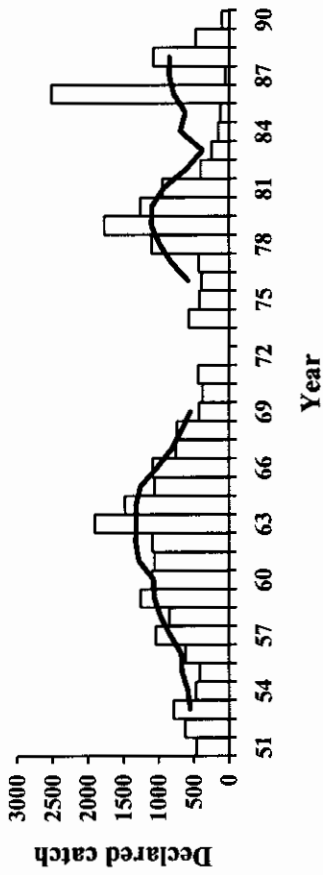


Figure 5.6 Declared net catch of salmon for the Southern Region

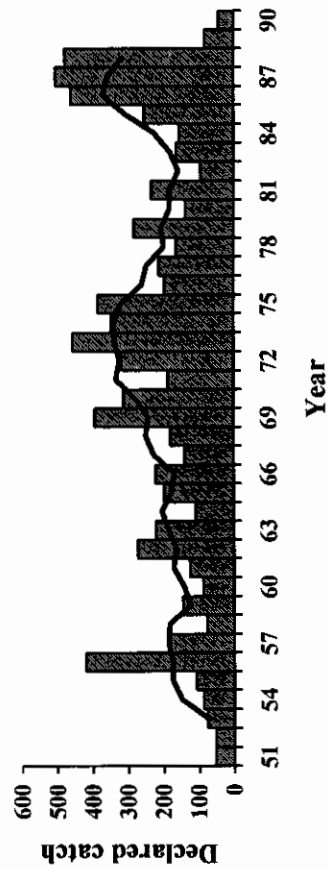
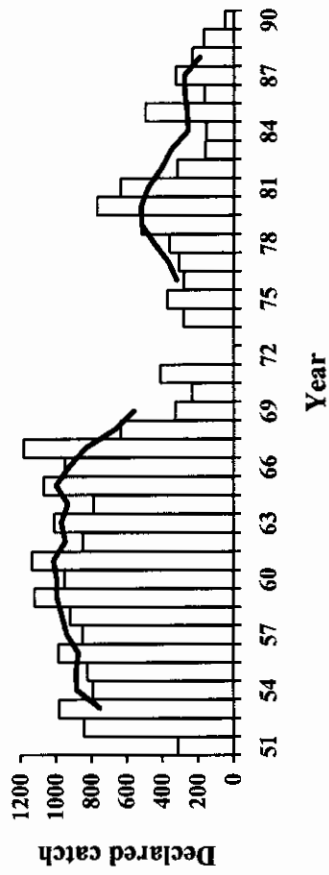


Figure 5.7 Declared net catch of migratory trout for the Southern region



6. WESSEX REGION

For the period of this review fisheries in the Wessex region were under the jurisdiction of the following organisations:

1951-64	Avon & Dorset River Board Somerset River Board Bristol Avon River Board
1965-73	Avon & Dorset River Authority Somerset River Authority Bristol Avon River Authority
1974-88	Wessex Water Authority
1989-90	National Rivers Authority - Wessex region.

Figure 6.1 illustrates the extent of the Wessex region and identifies the rivers and fishery areas covered by this review.

6.1 Rod catch

Rod catch data are presented in Tables 6.1 to 6.8 and Figures 6.2 to 6.11 and are summarised in Table 6.9 and Figures 6.15 to 6.16.

6.1.1 Description of the fisheries

As in the Southern region, the principal salmon and migratory trout rivers in the Wessex region drain from chalk. The largest fisheries are on the rivers Avon and Frome, although smaller numbers of salmon have also been caught in the rivers Stour and Piddle. A few 'minor' rivers have also supported small runs of migratory trout during the period. Occasionally, salmon have also been reported by anglers on the River Tone, a tributary of the River Parrett on the Somerset coast, but this river did not support a self-sustaining run of salmon at any time during the review period.

6.1.2 Changes in fishing effort

A significant increase in salmon angling effort occurred in the Wessex region in the period between 1950 and 1965. This arose partly because the area of fishable water was increased by weed cutting and the installation of fish passes, but also as a result of an extension of the angling season. Although much of the angling in the Wessex region has traditionally been under the control of general licences, fishing on the rivers Piddle and Frome has mostly been carried out by individual licensees. For these rivers, the numbers of seasonal rod licences issued increased from around 100 in 1950 to just over 300 by 1965 (Wessex Water, 1986). Thereafter, season licence sales levelled out at about 250-300 per year.

6.1.3 Stocking

A number of salmon enhancement programmes were initiated during the period. In the Avon and Dorset area, a hatchery was operated from 1959 to rear salmon for release into local rivers, principally the Avon. This programme was continued until the early 1980s. In the Somerset area, efforts to establish a run of salmon in the River Tone, a tributary of the Parrett, commenced in 1952. From 1952 to 1955, juveniles were stocked into the river and fish passes were installed around a number of obstructions. A smolt trap was installed in 1953 and was operated each spring until early 1968

to monitor the smolt run. However, although wild smolts were caught in some years, confirming successful spawning, no self-sustaining population was established.

6.1.4 Reporting procedures

The accuracy of catch reporting in the Wessex region has differed markedly between salmon and migratory trout during the period. For salmon, return rates have been high with over 95% of licensees reporting their catches with the aid of postal reminders (Wessex Water, 1986). Further corroboration of the accuracy of the data has arisen from the fact that good catch records are also maintained by the relatively small number of private fisheries which account for most of the salmon caught in the region. However, for migratory trout the catch data during the period were considerably less accurate. In common with the Southern region, migratory trout were fished for under either a salmon or trout licence and although returns were required, these were not actively sought from the large number of trout licensees.

Prior to 1978, catches of migratory salmonids in the smaller rivers in the Wessex region were only occasionally reported. Subsequently, however, improved reporting procedures provided catch data for these rivers in most years. These data have been recorded under 'others' (Table 6.8).

6.2 Net catch

Catch data for nets and fixed engines are presented in Tables 6.3 to 6.7 and Figures 6.6 to 6.14 and are summarised in Table 6.9 and Figures 6.17 to 6.18.

6.2.1 Description of the fisheries

Two net fisheries for salmon and sea trout operated in the Avon and Dorset area during the review period, both employing seine nets. One fishery operated at Mudeford, at the mouth of Christchurch harbour, and exploited fish mostly from the Avon and Stour systems. The other operated in Poole harbour and within the tidal reaches of the rivers Frome and Piddle. Where possible, the catch data for the seine nets operated in the tidal stretches of the two rivers are reported separately (Table 6.6). In 1956, the fishing rights for one of the Poole harbour nets (covering fishing on both the Frome and Piddle as well as parts of Poole harbour) were purchased by the Avon and Dorset River Board. The River Board, and subsequently the River Authority and Water Authority, operated this net until the 1978 season, from which time it has not been used.

In the Somerset area, a net and fixed engine fishery operated throughout the period in the estuary of the River Parrett. Although this river did not support its own stock of salmon, sufficient fish entered the lower reaches of the river to support a small-scale fishery. These fish were believed to have originated from the Severn and, to a lesser extent, from South Wales rivers. The methods used in the Parrett during the period were lave (dip) nets and putcher ranks (Appendix 1). The rights to fish putcher ranks were held by one person, however, he was enabled to authorise the presence of other ranks, under licence, and 3 additional ranks were fished in some years. No sea trout were reported to have been caught in the River Parrett during the period.

6.2.2 Changes in fishing methods and fishing effort

While the methods of fishing have changed little over the period, there has been notable variation in the numbers of licences issued.

The seine net fishery on the Avon and Stour operates in an area known as 'The Run' at Mudeford. The number of nets operating in this area have been regulated by a series of Net Limitation Orders. Until 1955, the NLO stood at 10, but once this had lapsed the numbers of licences, while fluctuating somewhat from year to year, showed an upward trend. In consequence, a further NLO was confirmed in 1962 restricting the number of nets to 6. The NLO has subsequently been renewed and maintained at this level. However, since existing licensees were protected at the onset of the original NLO, numbers did not in fact fall to the target figure until 1988.

It should be noted, however, that the nature of 'The Run' restricts netting operations such that netting effort is thought to have remained relatively constant over the period despite the number of fishing licences issued having varied between 6 and 18.

The net fishery on the rivers Piddle and Frome has operated in a relatively consistent manner throughout the period. Two seine nets were operated each year until 1978, and one thereafter after the Authority owned net ceased to operate. The licence numbers were restricted by an NLO, confirmed in 1966, which restricted the number of licences to one (excluding the Authority owned licence). A byelaw was also introduced in 1957 which increased the annual close season for the commercial fishery on the Frome and Piddle, the start of the netting season being deferred by one month. This was introduced in an effort to reduce exploitation of spring fish.

In Somerset, the number of net and fixed engine licences issued for the River Parrett has changed substantially over the period. The number of putcher ranks has varied between none and four and the number of lave nets between none and 72. In most years about 20 to 30 lave nets have been licenced, although a noticeable reduction was evident in the period between 1966 and 1975. It was thought that many nets continued to operate without a licence during this period, with catches going unreported. The use of lave (dip) nets in the Parrett has generally been regarded as a 'recreational' pursuit, and in many years several of the licenced nets were fished only infrequently, if at all.

6.2.3 Reporting procedures

The catch data presented have been derived entirely from returns submitted by licensed netmen. In the Avon and Dorset area, catch reporting procedures are thought to have been reasonably consistent, with most netmen (95%+) submitting catch returns throughout the period. In the Somerset area, catch returns for nets and fixed engines on the River Parrett were only voluntary in the early part of the period, and reporting rates were lower at this time.

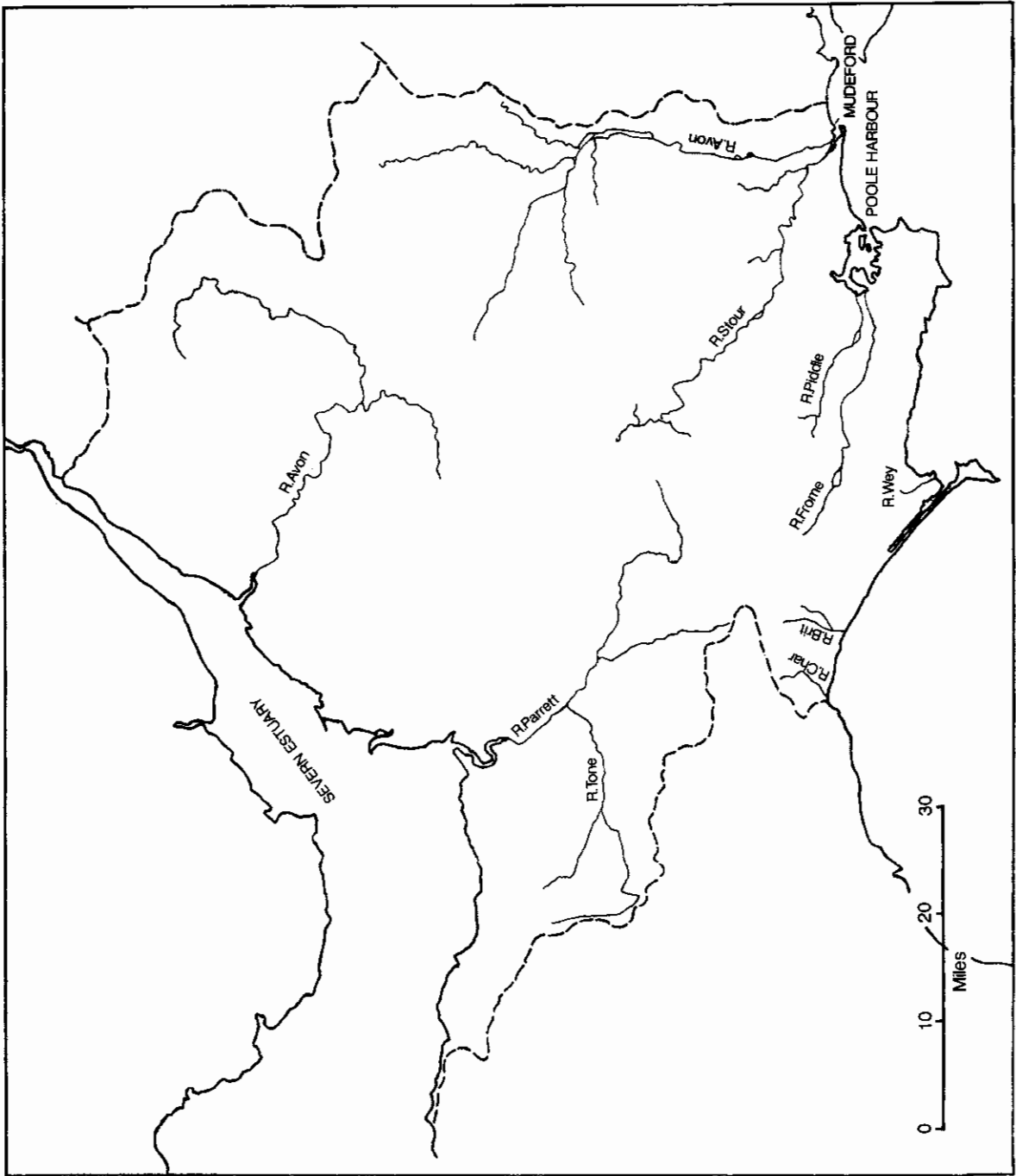


Figure 6.1 Wessex Region - river systems

Table 6.1 River Avon - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	333	6923	503	545
1952	186	2840	1599	2385
1953	311	5347	521	777
1954	865	12652	654	1122
1955	1196	21247	925	1334 (a)
1956	977	17416	485	725
1957	460	8172	954	1125
1958	506	8174	727	938
1959	413	6731	733	1025
1960	566	9529	561	949
1961	424	6787	665	932
1962	676	11860	755	1147
1963	799	11767	1024	1379
1964	569	9528	2268	2461
1965	704	12466	1111	1583
1966	387	6312	1443	2079
1967	598	8887	930	1645
1968	423	7436	866	1395
1969	523	7555	590	969
1970	655	8740	511	831
1971	547	7442	548	1202
1972	590	8460	496	709
1973	474	6281	256	437
1974	548	6965	559	954
1975	598	8748	1737	2181
1976	186	2568	207	703
1977	326	4496	591	922
1978	254	3439	2371	3260
1979	382	3688	5477	8317
1980	703	8035	3389	5524
1981	663	8842	2336	3572
1982	428	5754	1518	2509
1983	668	7994	1631	2867
1984	768	8472	903	1713
1985	659	7524	1387	2449
1986	1025	10553	2033	3322
1987	600	6385	1220	2350
1988	708	6689	698	1870
1989	441	4561	341	948
1990	295	3188	57	218

Key: (a) Migratory Trout catch for the River Avon for 1955 includes data for the River Stour.

Table 6.2 River Stour - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	28	568	95	115
1952	8	120	47	67
1953	13	189	82	118
1954	80	1224	28	36
1955	123	2292	-	- (a)
1956	102	1894	53	91
1957	42	661	79	70
1958	22	348	48	74
1959	70	933	6	9
1960	74	1248	60	113
1961	37	527	118	203
1962	71	979	82	113
1963	88	1202	151	151
1964	71	1198	177	232
1965	102	1917	128	192
1966	19	289	269	340
1967	27	391	85	123
1968	23	394	186	248
1969	25	386	133	270
1970	11	173	22	31
1971	9	132	34	50
1972	9	145	24	68
1973	9	162	25	56
1974	1	11	13	29
1975	2	31	1	2
1976	1	9	2	6
1977	6	74	4	5
1978	2	43	36	68
1979	-	-	39	68
1980	-	-	37	62
1981	2	19	34	52
1982	1	7	33	67
1983	1	14	92	92
1984	2	20	17	33
1985	-	-	13	20
1986	2	18	3	9
1987	-	-	4	13
1988	3	37	8	13
1989	3	49	-	-
1990	2	13	-	-

Table 6.3 Mudford (Avon and Stour) - nets

YEAR	SEINE NETS					
	LIC	SALMON		MIGRATORY TROUT		
		NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	
1951	10	166	2840	53	307	
1952	10	172	2505	85	417	
1953	10	291	3831	74	328	
1954	10	642	8841	134	583	
1955	10	680	10199	183	791	
1956	18	756	10173	294	1304	
1957	9	497	5144	184	535	
1958	11	804	8802	313	1323	
1959	11	1034	10860	356	1514	
1960	12	773	9793	388	1358	
1961	12	998	12012	428	2118	
1962	16	1206	14831	533	2340	
1963	13	1414	17832	431	2020	
1964	12	1265	16237	547	2392	
1965	11	1028	14750	559	2373	
1966	10	824	10669	590	3430	
1967	11	1084	15000	793	3960	
1968	11	791	9716	935	4341	
1969	11	1197	10189	512	2598	
1970	11	1153	11813	605	2951	
1971	11	904	9342	516	2968	
1972	11	923	9452	534	2645	
1973	11	1160	12107	547	2570	
1974	11	774	7885	488	2370	
1975	10	979	10145	488	2382	
1976	8	688	6747	615	2999	
1977	8	510	4911	710	3899	
1978	8	405	4522	348	1816	
1979	8	647	5654	584	2849	
1980	8	793	8180	681	3719	
1981	7	745	7606	779	4356	
1982	7	531	5172	863	4451	
1983	7	650	5787	620	3345	
1984	7	867	7789	469	2202	
1985	7	503	4665	330	1698	
1986	7	685	5862	317	1590	
1987	7	568	4411	378	1817	
1988	6	556	4550	467	2249	
1989	6	337	2855	333	1673	
1990	6	268	2579	461	2648	

Table 6.4 River Piddle - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	12	202	1	1
1952	7	100	-	-
1953	9	104	-	-
1954	69	954	2	8
1955	25	361	-	-
1956	3	33	1	3
1957	5	90	2	4
1958	20	270	-	-
1959	44	554	2	4
1960	27	424	10	26
1961	22	290	3	8
1962	16	187	12	25
1963	78	1039	59	64
1964	17	271	21	45
1965	36	425	17	15
1966	24	305	76	98
1967	18	206	51	97
1968	19	234	16	19
1969	43	469	28	72
1970	7	71	42	77
1971	24	244	31	66
1972	69	809	27	95
1973	26	321	10	18
1974	24	272	16	54
1975	24	266	18	42
1976	7	100	23	68
1977	25	261	20	46
1978	9	93	41	64
1979	15	158	139	215
1980	40	472	89	162
1981	27	351	78	189
1982	10	159	73	138
1983	24	318	23	43
1984	16	187	88	157
1985	19	262	32	66
1986	38	397	64	139
1987	41	390	62	143
1988	23	229	46	110
1989	19	181	11	49
1990	13	159	8	20

Table 6.5 River Frome - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	310	5127	31	29
1952	191	2770	20	18
1953	267	3803	11	22
1954	571	8732	28	47
1955	499	7753	32	91
1956	303	4405	79	117
1957	358	4510	100	175
1958	337	3940	82	122
1959	464	6382	30	91
1960	258	3943	117	140
1961	318	4406	52	150
1962	470	5865	38	128
1963	692	9286	50	120
1964	362	5404	71	154
1965	225	3699	69	130
1966	242	3375	99	181
1967	247	3136	57	134
1968	287	3466	82	218
1969	305	3448	32	97
1970	261	2854	49	91
1971	255	2469	39	112
1972	336	3097	27	72
1973	278	3269	123	170
1974	244	2633	139	235
1975	274	3253	208	356
1976	137	1627	48	152
1977	243	2714	63	182
1978	241	2970	195	192
1979	177	1683	89	232
1980	315	3770	253	549
1981	300	3484	111	287
1982	187	2061	91	174
1983	230	2703	87	279
1984	258	2692	96	185
1985	236	2383	70	212
1986	387	3975	43	115
1987	282	2822	79	201
1988	409	3435	65	170
1989	234	2066	38	141
1990	207	2172	29	123

Table 6.6 Poole Harbour (Piddle and Frome) - nets

YEAR	PIDDLE SEINE NETS		FROME SEINE NETS		PIDDLE AND FROME TOTAL				
	SALMON NO WEIGHT (LBS)	MIGRATORY TROUT NO WEIGHT (LBS)	SALMON NO WEIGHT (LBS)	MIGRATORY TROUT NO WEIGHT (LBS)	LIC	SALMON		MIGRATORY TROUT	
						NO WEIGHT (LBS)	LIC	NO WEIGHT (LBS)	NO WEIGHT (LBS)
1951	-	-	-	-	2	66	904	41	96
1952	13	124	75	856	2	88	980	59	140
1953	70	812	104	1289	2	174	2101	27	70
1954	21	246	170	2277	2	191	2523	34	146
1955	6	72	88	1221	2	94	1293	29	84
1956	15	171	109	1356	2	124	1527	4	30
1957	-	-	-	-	2	77	661	34	139
1958	-	-	-	-	2	131	1292	55	164
1959	8	99	66	735	2	74	834	23	77
1960	17	181	61	766	2	78	947	23	62
1961	29	255	71	759	2	100	1014	31	95
1962	65	649	122	1282	2	187	1931	20	88
1963	83	835	199	2646	2	282	3481	33	126
1964	28	327	130	1451	2	158	1778	24	122
1965	51	561	129	1375	2	180	1936	58	444
1966	18	196	145	1673	2	163	1869	28	127
1967	45	430	121	1405	2	166	1835	56	201
1968	13	119	151	1339	2	164	1458	95	400
1969	57	422	219	1967	2	276	2389	66	313
1970	88	1207	172	1573	2	260	2780	66	329
1971	107	886	114	1020	2	221	1906	56	366
1972	82	734	77	720	2	159	1454	45	215
1973	-	-	-	-	2	226	2077	85	392
1974	-	-	-	-	2	98	935	10	43
1975	-	-	-	-	2	221	1951	138	629
1976	-	-	-	-	2	155	1465	77	456
1977	-	-	-	-	2	116	1018	118	701
1978	-	-	-	-	2	79	851	137	766
1979	-	-	-	-	1	51	428	50	282
1980	-	-	-	-	1	46	475	73	440
1981	-	-	-	-	1	85	890	62	423
1982	-	-	-	-	1	8	78	51	354
1983	-	-	-	-	1	23	191	31	267
1984	-	-	-	-	1	73	701	58	397
1985	-	-	-	-	1	86	800	54	375
1986	-	-	-	-	1	140	1219	42	302
1987	-	-	-	-	1	74	562	32	225
1988	-	-	-	-	1	94	736	38	236
1989	-	-	-	-	1	78	591	32	216
1990	-	-	-	-	1	61	516	20	121

Note: The net fishery operated in both Poole harbour and the estuaries of the two rivers. In most years up to 1972, efforts were made to allocate the catch by river of capture. However, in other years only an aggregated total was given.

Table 6.7 River Parrett - salmon - nets and fixed engines

YEAR	PUTCHERS			LAVE (DIP) NETS			TOTAL CATCH		
	LIC	NO PUTCHERS	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)
1951	4	600	319	16	1	16	20	21	335
1952	4	750	275	24	38	335	28	61	610
1953	4	550	480	27	166	2010	31	207	2490
1954	4	500	559	36	171	1688	40	231	2247
1955	4	550	773	42	121	1150	46	191	1923
1956	4	600	1131	66	443	4306	70	552	5437
1957	4	650	1010	72	312	3126	76	408	4136
1958	4	700	712	35	222	2399	39	295	3111
1959	4	500	630	27	155	1550	31	218	2180
1960	4	500	779	25	145	1463	29	225	2242
1961	3	450	198	24	38	521	27	54	719
1962	2	350	499	23	198	1643	25	258	2142
1963	3	450	590	32	143	1454	35	196	2044
1964	2	300	489	22	200	1992	24	251	2481
1965	2	-	287	26	206	2142	28	238	2429
1966	2	-	182	21	37	403	23	56	585
1967	2	-	205	13	28	260	15	49	465
1968	1	-	157	12	11	101	13	27	258
1969	1	250	152	3	8	79	4	22	231
1970	1	250	118	1	9	83	2	21	201
1971				3	15	140	3	15	140
1972	1	50	105	5	27	210	6	37	315
1973	1	250	97	10	75	729	11	82	826
1974				9	68	593	9	68	593
1975									
1976	1	-	148	27	183	1771	28	196	1919
1977	1	150	203	26	45	449	27	65	652
1978	1	200	310	30	80	718	31	109	1028
1979	1	200	147	16	18	131	17	30	278
1980	1	200	441	24	86	811	25	129	1252
1981	1	300	328	23	71	841	24	102	1169
1982	1	250	189	19	72	570	20	91	759
1983	1	-	245	9	8	78	10	31	323
1984	1	250	366	13	60	425	14	94	791
1985	1	250	260	7	8	64	8	40	324
1986	1	300	428	11	181	1819	12	221	2247
1987	2	300	342	9	38	346	11	60	688
1988	2	300	106	10	73	648	12	86	754
1989	2	300	644	15	106	902	17	178	1546
1990	2	300	370	13	35	364	15	71	734

Notes: Very few migratory trout are caught on the river Parrett and no record of catches has been maintained. There are no directed rod fisheries for either salmon or migratory trout on the river Parrett.

Table 6.8 Wessex Region - minor rivers - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-
1952	-	-	-	-
1953	-	-	-	-
1954	-	-	-	-
1955	-	-	-	-
1956	-	-	14	7 (a)
1957	-	-	-	-
1958	-	-	-	-
1959	-	-	-	-
1960	-	-	-	-
1961	-	-	10	11 (b)
1962	-	-	-	-
1963	-	-	-	-
1964	-	-	-	-
1965	-	-	-	-
1966	-	-	-	-
1967	-	-	-	-
1968	-	-	-	-
1969	-	-	-	-
1970	-	-	7	6 (b)
1971	-	-	-	-
1972	-	-	-	-
1973	-	-	-	-
1974	-	-	-	-
1975	-	-	-	-
1976	-	-	-	-
1977	-	-	-	-
1978 (c)	4	40	132	189
1979	6	59	245	285
1980	12	143	332	331
1981	6	37	189	174
1982	23	259	130	83
1983	-	-	318	324
1984	1	7	161	190
1985	2	13	166	203
1986	-	-	131	161
1987	1	7	82	79
1988	3	26	20	53
1989	-	-	12	31
1990	-	-	7	15

Key:

(a) Catch from river Brit.

(b) Catch from river Char.

(c) Before 1978 only occasional reports were compiled of migratory salmonid catches from minor rivers. The increase from 1978 reflects improved reporting procedures.

Table 6.9 Wessex Region - totals

YEAR	ROD CATCH			NET & FIXED ENGINE CATCH			TOTAL CATCH			
	SALMON NO WEIGHT (LBS)	MIGRATORY TROUT NO WEIGHT (LBS)	LIC	SALMON NO WEIGHT (LBS)	MIGRATORY TROUT NO WEIGHT (LBS)	LIC	SALMON NO WEIGHT (LBS)	MIGRATORY TROUT NO WEIGHT (LBS)	LIC	
1951	683	12820	630	253	4079	94	936	16899	724	1093
1952	392	5830	1666	321	4095	144	713	9925	1810	3027
1953	600	9443	614	672	8422	101	1272	17865	715	1315
1954	1585	23562	712	1064	13611	168	2649	37173	880	1942
1955	1843	31653	957	965	13415	212	2808	45068	1169	2300
1956	1385	23748	632	1432	17137	298	2817	40885	930	2277
1957	865	13433	1135	982	9941	218	1847	23374	1353	2048
1958	885	12732	857	1230	13205	368	2115	25937	1225	2621
1959	991	14600	771	1326	13874	379	2317	28474	1150	2720
1960	925	15144	748	1076	12982	411	2001	28126	1159	2648
1961	801	12010	848	1152	13745	459	1953	25755	1307	3517
1962	1233	18891	887	1651	18904	553	2884	37795	1440	3841
1963	1657	23294	1284	1892	23357	464	3549	46651	1748	3860
1964	1019	16401	2537	1674	20496	571	2693	36897	3108	5406
1965	1067	18507	1325	1446	19115	617	2513	37622	1942	4737
1966	672	10281	1887	1043	13123	618	1715	23404	2505	6255
1967	890	12620	1123	1299	17300	849	2189	29920	1972	6160
1968	752	11530	1150	982	11432	1030	1734	22962	2180	6621
1969	896	11858	783	1495	12809	578	2391	24667	1361	4319
1970	934	11838	631	1434	14794	671	2368	26632	1302	4316
1971	835	10287	652	1140	11388	572	1975	21675	1224	4764
1972	1004	12511	574	1119	11221	579	2123	23732	1153	3804
1973	787	10033	414	1468	15010	632	2255	25043	1046	3643
1974	817	9881	727	940	9413	498	1757	19294	1225	3685
1975	898	12298	1964	1200	12096	626	2098	24394	2590	5592
1976	331	4304	280	1039	10131	692	1370	14435	972	4384
1977	600	7545	678	691	6581	828	1291	14126	1506	5755
1978	510	6585	2775	593	6401	485	1103	12986	3260	6355
1979	580	5588	5989	728	6360	634	1308	11948	6623	12248
1980	1070	12420	4100	968	9907	754	2038	22327	4854	10787
1981	998	12733	2748	932	9665	841	1930	22398	3589	9053
1982	649	8240	1845	630	6009	914	1279	14249	2759	7776
1983	923	11029	2151	704	6301	651	1627	17330	2802	7217
1984	1045	11378	1265	1034	9281	527	2079	20659	1792	4877
1985	916	10182	1668	629	5789	384	1545	15971	2052	5023
1986	1452	14943	2274	1046	9328	359	2498	24271	2633	5638
1987	924	9604	1447	702	5661	410	1626	15265	1857	4828
1988	1146	10416	837	736	6040	505	1882	16456	1342	4701
1989	697	6857	402	593	4992	365	1290	11849	767	3058
1990	517	5532	101	400	3829	484 *	917	9361	585	3167

Key: * Data includes a small number of sea trout taken on the river Parrett, and not recorded in Table 6.7.

Figure 6.2 Declared rod catch of salmon for the River Avon

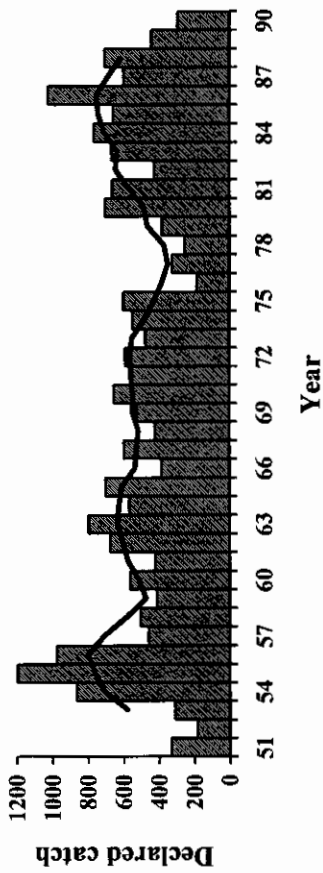


Figure 6.3 Declared rod catch of migratory trout for the River Avon

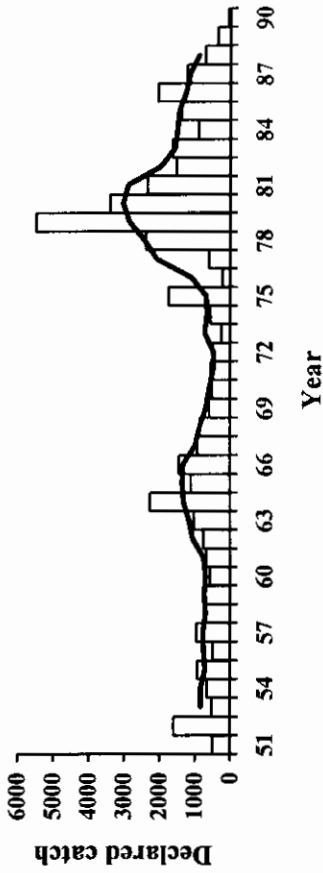


Figure 6.4 Declared rod catch of salmon for the River Stour

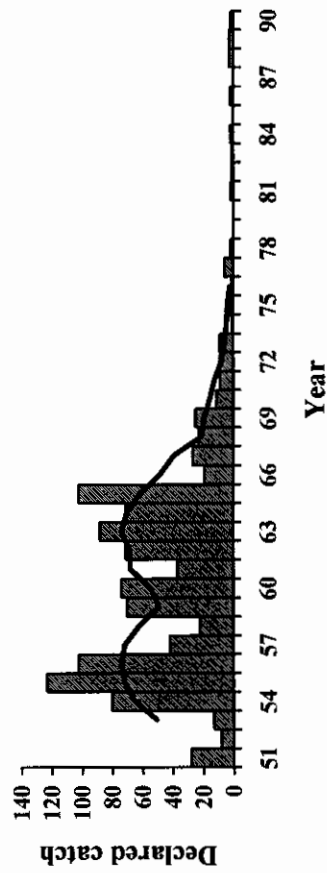


Figure 6.5 Declared rod catch of migratory trout for the River Stour

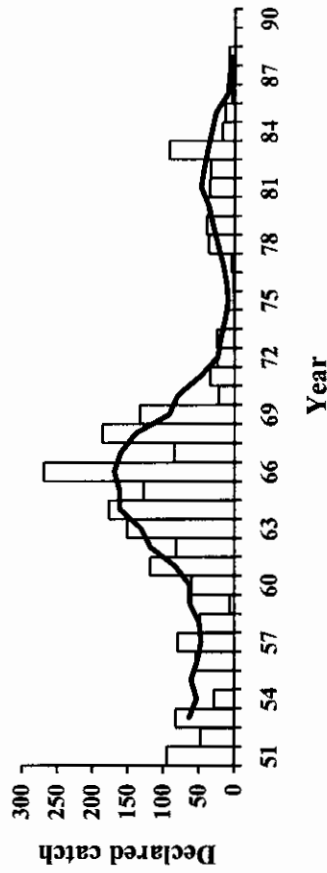


Figure 6.6 Declared net catch of salmon for Mudeford, (Avon and Stour)

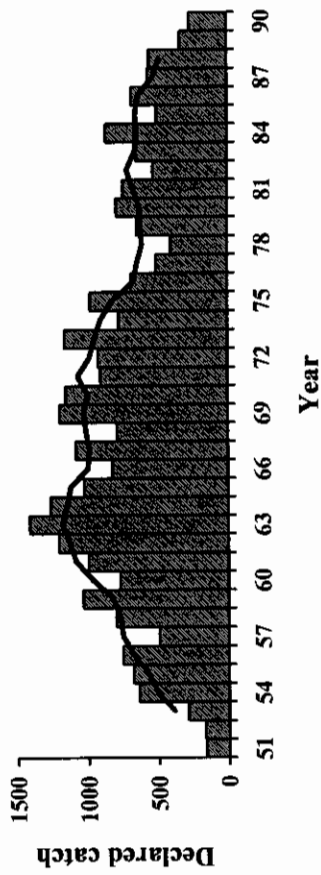


Figure 6.7 Declared net catch of migratory trout for Mudeford, (Avon and Stour)

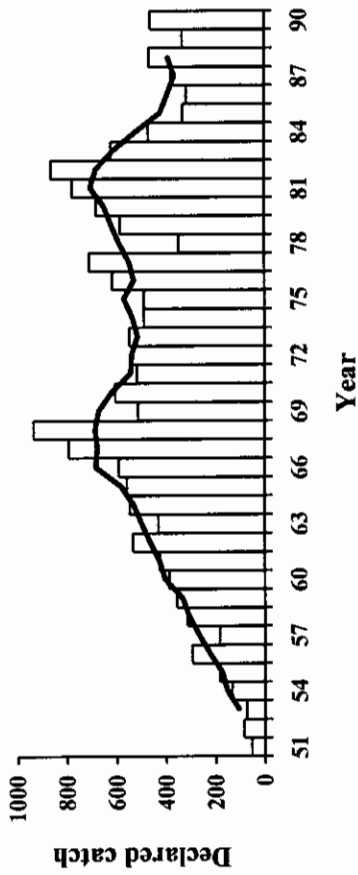


Figure 6.8 Declared rod catch of salmon for the River Piddle

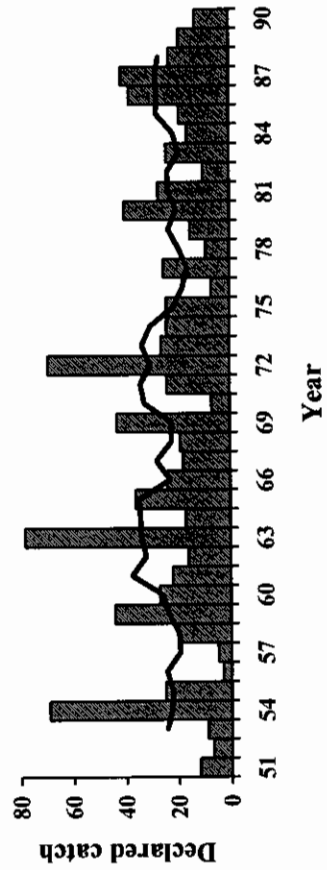


Figure 6.9 Declared rod catch of migratory trout for the River Piddle

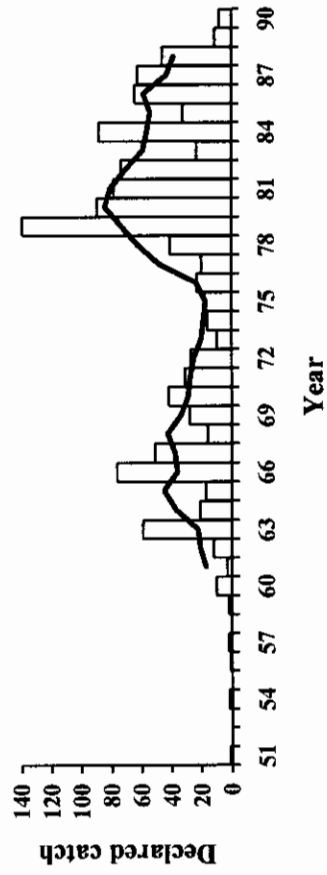


Figure 6.10 Declared rod catch of salmon for the River Frome

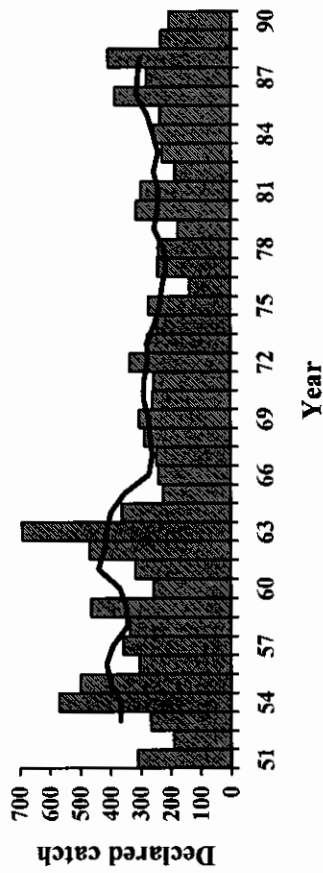


Figure 6.11 Declared rod catch of migratory trout for the River Frome

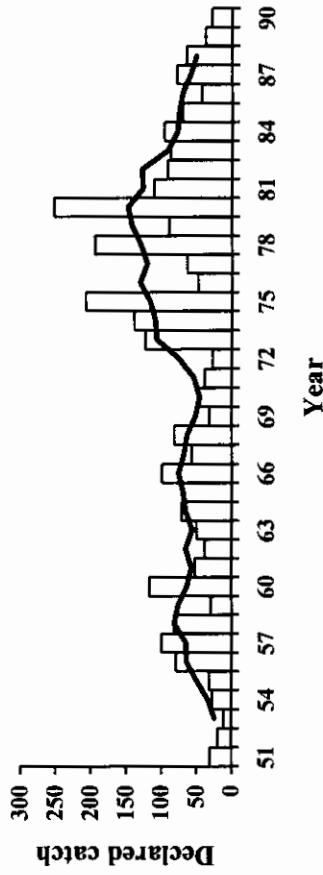


Figure 6.12 Declared net catch of salmon for Poole harbour, (Piddle and Frome)

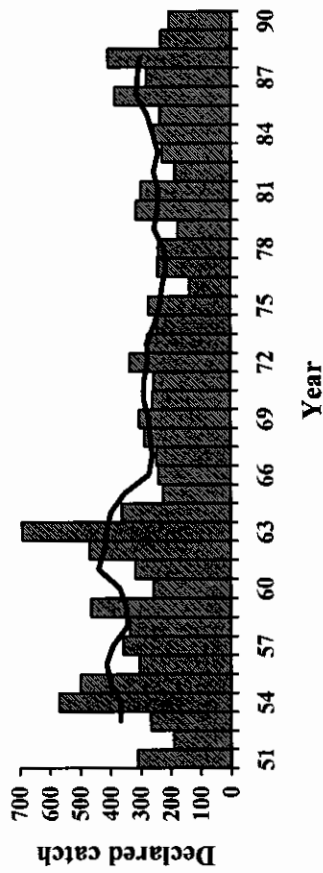


Figure 6.13 Declared net catch of migratory trout for Poole harbour, (Piddle and Frome)

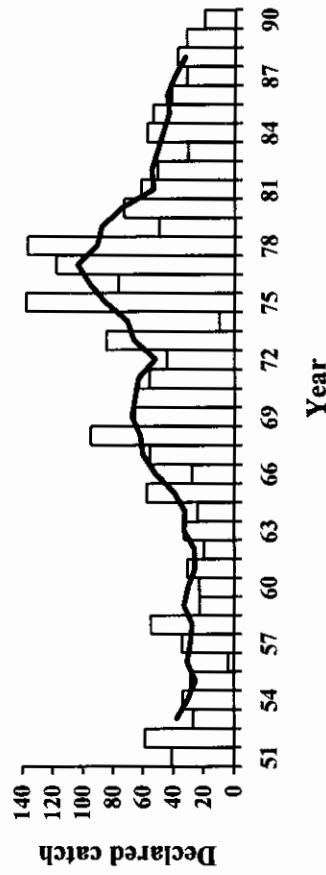


Figure 6.14 Declared net and fixed engine catch of salmon for the River Parrett

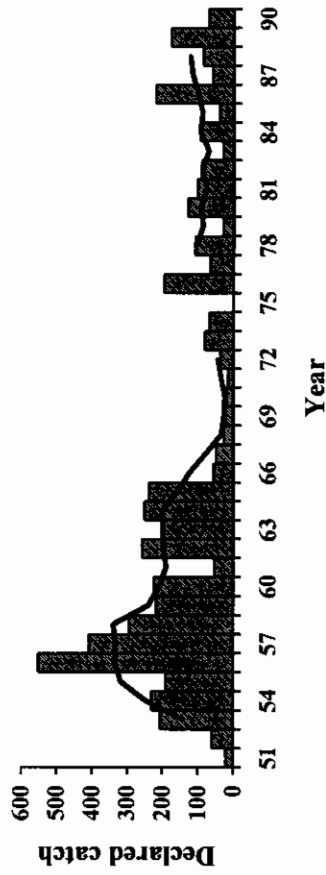


Figure 6.15 Declared rod catch of salmon for the Wessex Region

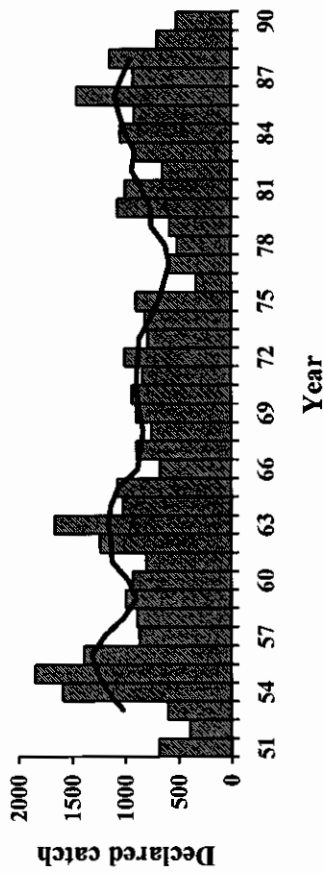


Figure 6.16 Declared rod catch of migratory trout for the Wessex Region

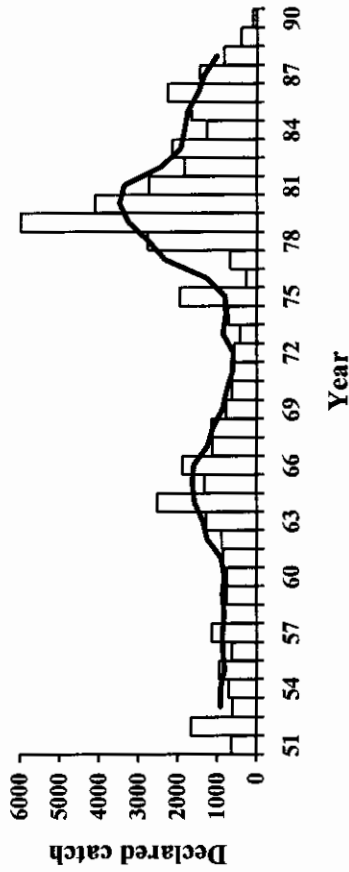


Figure 6.17 Declared net and fixed engine catch of salmon for the Wessex Region

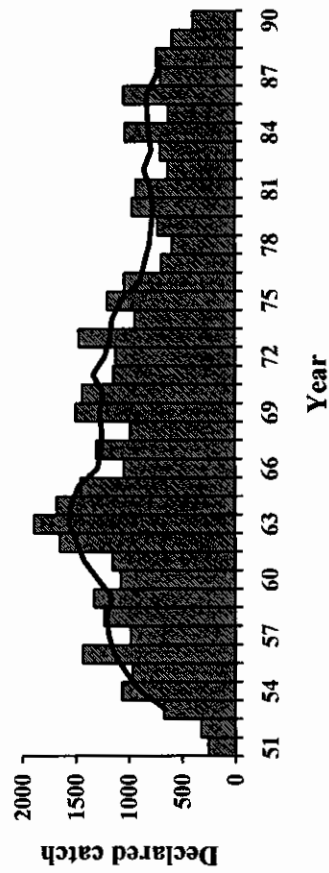
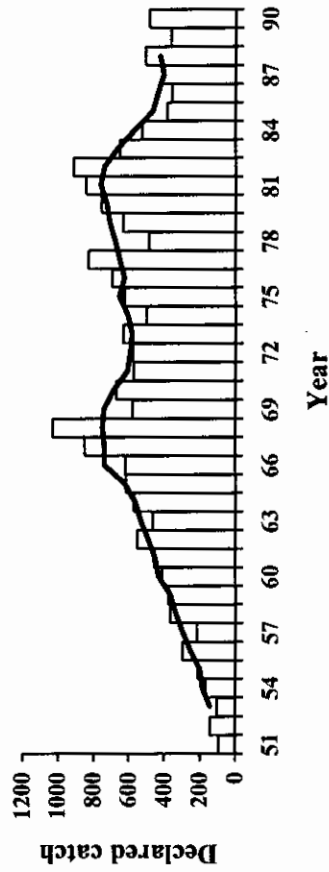


Figure 6.18 Declared net and fixed engine catch of migratory trout for the Wessex Region



7. SOUTH WEST REGION

For the period of this review fisheries in the South West region were under the jurisdiction of the following organisations:

1951-64	Devon River Board Cornwall River Board
1965-73	Devon River Authority Cornwall River Authority
1974-88	South West Water Authority
1989-90	National Rivers Authority – South West Region.

Figure 7.1 illustrates the extent of the South West region and identifies the rivers and fishery areas covered by this review.

7.1 Rod catch

Rod catch data are included in Tables 7.1 to 7.32 and Figures 7.2 to 7.54 and are summarised in Table 7.33 and Figures 7.57 to 7.58.

7.1.1 *Description of the fisheries*

Salmon and sea trout have been widely distributed throughout the rivers of the South West region during the period and have supported a number of important rod fisheries. Data have been collated for about 20 of the more important rivers. In some cases, the catch data for two rivers in close proximity have been aggregated. Thus, data are combined for the Otter and Sid (Table 7.3), the Avon and Erme (Table 7.12) and the Lyn and Heddon (Tables 7.29-7.30). Some other streams and rivers have also supported smaller runs of migratory salmonids, and data for these systems have been aggregated and recorded as 'others'.

7.1.2 *Changes in fishing effort*

Although details of rod licence numbers have not been collated, it is widely believed that, as in other areas, angling effort has increased over the review period, particularly in the earlier years.

The other factor to have affected angling effort in the South West over the period was the alteration of fishing seasons for particular rivers, in order to allow fishing for previously unexploited early- or late-running fish. The first such season change was approved in 1964 for the rivers Fowey and Camel, with the opening of the fishing season deferred until 1 April but the closure extended until 15 December. Subsequently, in the 1970s, further season changes, initially on an experimental basis, were implemented on the rivers Plym, Teign, Yealm, Taw, Torridge, Dart and Avon. The change was discontinued on the River Teign in 1979.

7.1.3 *Stocking*

From the 1950s, both the Cornwall and Devon River Boards implemented stocking programmes in a number of catchments using both Scottish and local wild broodstock. These programmes were continued by the River Authorities but were largely discontinued at the time of formation of the

South West Water Authority in 1974. Subsequently, a greater emphasis was placed on river habitat management to optimise natural spawning and recruitment, although some rehabilitation and mitigation stocking was continued. There is little evidence to indicate whether the stocking programmes had any substantive effect on local stocks.

7.1.4 Reporting procedures

Rod catch data have been collated from the catch returns submitted by anglers, with the exception of data for the Cornwall area in 1951 which were based on bailiff's reports. From 1959, reminders were issued to anglers in the Cornwall area as a result of persistently low rates of reporting by anglers. The reminder system was extended to the whole South West region from 1974, but was later discontinued. Anglers in the Cornwall area were not legally required to submit nil returns until 1973. Reporting procedures have thus varied substantially over the review period, and the proportion of anglers making returns has been very low in many years.

Rod catch data for Cornwall were subject to further reporting and collation anomalies during the 1950s. For 1951 and 1954, only a Cornwall area total was available; these data are reported with those for minor rivers (Tables 7.31 to 7.32). For 1952 to 1953 and 1955 to 1958, data were aggregated for the Tamar district (Tavy + Tamar + Lynher). Data for these years are reported for the River Tamar (Tables 7.17 to 7.18) but include catches on these other rivers. From 1959, individual river catches were recorded.

While the declared rod catches for the South West region included the numbers of fish caught, weight data were often incomplete prior to 1984; these data have therefore been omitted from the tables.

7.2 Net catch

Net catch data are included in Tables 7.2-7.32 and Figures 7.4-7.56 and are summarised in Table 7.33 and Figures 7.59 to 7.60.

7.2.1 Description of the fisheries

Most of the major salmon rivers in the South West region have supported net fisheries during the review period. Most commonly, the licenced method has been seine nets, operated within river estuaries. However, drift nets have also been used in the Camel estuary and off the River Looe. Ancient fixed gears have also operated during the period, on the rivers Avon (fishing weir) and Lyn (fish trap). These instruments operated in fresh water (Appendix 1.)

7.2.2 Changes in fishing methods and fishing effort

Fishing methods have remained largely unchanged throughout the review period. However, in 1976 a byelaw banned the use of monofilament nets in the whole of the South West region. Nets on the Taw and Torridge were granted a 5 year phasing out period following the introduction of this byelaw. It is not clear to what extent the efficiency of licenced fishing gears were affected by this ban.

Fishing effort has fluctuated as a result of a number of regulatory changes introduced during the period. The use of a drift net on the River Looe was not authorised until 1961, and a subsequent byelaw (approved in 1981) prohibited further netting on this river. In 1962, a Net Limitation Order came into force restricting the numbers of seine nets permitted in the Tamar district (Tamar 15,

Tavy 5, Lynher 5, Fowey 4). This NLO has subsequently been renewed and has remained at this level for the remainder of the period. In 1977, an NLO was imposed for the River Camel restricting the number of drift nets to 7, and in 1981 an NLO for the Taw and Torridge reduced the number of licensed seine nets from 36 to 14. In most cases the reduction in the number of licensees to the NLO figure has occurred over a number of years. NLOs have also been in force for other rivers in the region, but these have remained largely unchanged throughout the period.

Experimental season changes have also been authorised at various times during the period. Between 1955 and 1959, the netting season was extended on the rivers Taw and Torridge, the season closing on 24 December instead of 15 November, but for the capture of salmon only. A similar experimental season change on the River Teign between 1974 and 1978, delayed both the opening and closing of the netting season. This was introduced in an attempt to reduce exploitation of spring fish. Additional measures to conserve spring fish were also introduced in the Tamar district in 1962, with a longer weekly close time imposed during the spring (up to 31 May) than subsequently.

Other changes have arisen from the purchase of fishing rights. In 1959, some of the netting rights on the River Tamar were purchased by the Cornwall River Authority and exploitation was subsequently stopped in this area, providing a sanctuary area at the top end of the estuary. In 1976, the South West Water Authority purchased the fishing rights on the River Avon, including the rights for the fixed engine (fishing weir). The fishing weir was not subsequently fished in the period 1977 to 1979, and from 1984 on. The seine nets on the Avon ceased to operate after 1979. More recently, short-term compensation schemes have been implemented on a number of catchments, whereby netsmen have been compensated not to fish for all or part of a season. Such schemes have affected the Taw and Torridge (from 1988), the Camel (from 1989), and the Tamar and Tavy in 1989. However, the latter schemes for the Tamar and Tavy were only implemented for one month in response to prevailing low flow conditions.

7.2.3 Reporting procedures

Data have been collated from the returns made by licenced netsmen and, where possible, have been recorded for each individual river. Exceptions occurred for the Cornwall area in the early part of the period, with only a Cornwall total (Tamar, Tavy, Lynher, Fowey and Camel) net catch available for 1951, and a Tamar district total (Tamar, Tavy and Lynher) between 1952 and 1955. Weight data were also incomplete for net fisheries in the Cornwall area from 1960 to 1964 for salmon and from 1960 to 1973 for sea trout.

During the review period, net returns for the Tamar district were also affected by the issue of dual river fishing licences, which permitted netting on more than one river by some licensees. The rivers affected by these licences were the Tamar, Tavy and, to a lesser extent, the Lynher. Catches made under such licences were allocated to the appropriate river (Tables 7.15 to 7.20). These tables include numbers of single river licences issued, with numbers of dual river licences in parentheses.

In some years certain licensed instruments were not operated, despite having a licence issued. Such instances are annotated in the appropriate tables.

As with all other regions, the extent of under-reported and illegal catches in the South West region cannot be determined. However, there have been many reports of illegal fishing in the region during the period, particularly related to the use of estuarine and coastal fixed nets. The illegal and

under-reported catch is thought to have been substantial in many years. Efforts have been made to reduce this catch; a 1989 byelaw preventing drift netting for sea fish in the Tamar estuary has helped to reduce the illegal catch of salmon and sea trout in this area.

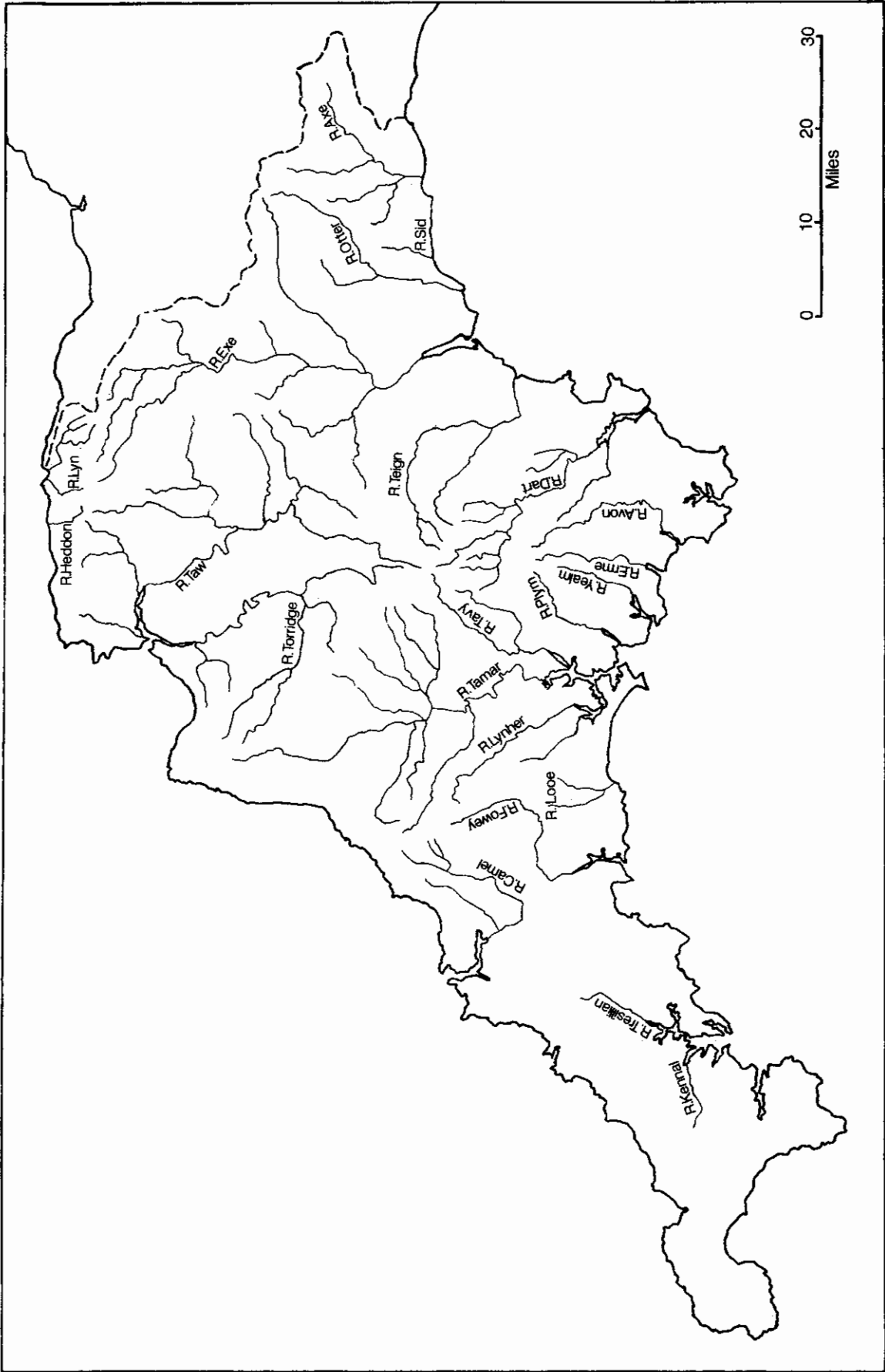


Figure 7.1 South West Region - river systems

Table 7.1 River Axe - salmon

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH		
	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	2	50	504	25	301	75	805
1952	2	105	1029	23	216	128	1245
1953	2	133	1390	28	263	161	1653
1954	2	165	1497	67	-	232	-
1955	2	139	1305	49	-	188	-
1956	2	153	1735	63	-	216	-
1957	2	80	683	22	-	102	-
1958	1	25	223	50	-	75	-
1959	1	112	905	71	-	183	-
1960	1	35	375	53	-	88	-
1961	1	39	344	24	-	63	-
1962	1	144	1135	20	-	164	-
1963	1	161	1597	31	-	192	-
1964	1	57	463	21	-	78	-
1965	1	40	396	11	-	51	-
1966	1	0	0	8	-	8	-
1967	1	55	417	9	-	64	-
1968	1	6	49	21	193	27	242
1969	1	0	0	16	-	16	-
1970	1	16	136	25	-	41	-
1971	1	10	69	3	-	13	-
1972	1	6	54	4	42	10	96
1973	1	12	85	2	-	14	-
1974	1	2	16	13	-	15	-
1975	1	21	162	24	-	45	-
1976	1	16	121	4	-	20	-
1977	3	3	36	2	-	5	-
1978	3	0	0	2	-	2	-
1979	3	2	16	6	-	8	-
1980	2	0	0	7	-	7	-
1981 (a)				6	-	6	-
1982				3	-	3	-
1983				1	-	1	-
1984				1	11	1	11
1985				0	0	0	0
1986				0	0	0	0
1987				0	0	0	0
1988				0	0	0	0
1989				0	0	0	0
1990				0	0	0	0

Key: (a) Netting ceased.

Table 7.2 River Axe - migratory trout

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH		
	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	2	35	146	100	231	135	377
1952	2	31	139	103	273	134	412
1953	2	53	248	191	329	244	577
1954	2	88	364	179	-	267	-
1955	2	85	193	149	-	234	-
1956	2	151	551	216	-	367	-
1957	2	67	237	156	-	223	-
1958	1	25	97	237	-	262	-
1959	1	33	130	254	-	287	-
1960	1	24	70	134	-	158	-
1961	1	18	51	81	-	99	-
1962	1	32	142	37	-	69	-
1963	1	7	22	164	-	171	-
1964	1	15	48	48	-	63	-
1965	1	16	65	105	-	121	-
1966	1	0	0	111	-	111	-
1967	1	17	68	134	-	151	-
1968	1	3	13	116	-	119	-
1969	1	0	0	142	-	142	-
1970	1	4	18	34	-	38	-
1971	1	5	14	60	-	65	-
1972	1	3	5	6	-	9	-
1973	1	30	101	69	-	99	-
1974	1	3	8	38	-	41	-
1975	1	15	53	41	-	56	-
1976	1	9	25	28	-	37	-
1977	3	3	10	50	-	53	-
1978	3	0	0	34	-	34	-
1979	3	0	0	45	-	45	-
1980	2	0	0	77	-	77	-
1981 (a)				142	-	142	-
1982				31	-	31	-
1983				28	-	28	-
1984				38	66	38	66
1985				24	44	24	44
1986				36	64	36	64
1987				129	163	129	163
1988				98	159	98	159
1989				90	97	90	97
1990				49	93	49	93

Table 7.3 Rivers Otter and Sid - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-
1952	-	-	-	-
1953	1	12	7	12
1954	2	-	71	-
1955	-	-	88	-
1956	-	-	20	-
1957	-	-	94	-
1958	-	-	43	-
1959	1	-	57	-
1960	-	-	31	-
1961	1	-	42	-
1962	-	-	15	-
1963	-	-	65	-
1964	3	-	97	-
1965	-	-	56	-
1966	-	-	216	-
1967	-	-	154	-
1968	-	-	49	-
1969	-	-	94	-
1970	-	-	58	-
1971	-	-	59	-
1972	-	-	86	-
1973	-	-	46	-
1974	-	-	44	-
1975	-	-	28	-
1976	-	-	2	-
1977	-	-	43	-
1978	-	-	34	-
1979	-	-	71	-
1980	-	-	63	-
1981	-	-	119	-
1982	-	-	67	-
1983	-	-	65	-
1984	-	-	25	46
1985	-	-	13	22
1986	-	-	9	11
1987	-	-	66	64
1988	-	-	53	75
1989	-	-	32	53
1990	-	-	46	79

Note: The Otter and Sid are relatively small rivers in close geographical proximity; their rod catches have traditionally been aggregated and reported collectively. However, for some years, salmon catches (which have always been negligible) may be recorded under minor rivers (Tables 7.31-7.32).

Table 7.4 River Exe - salmon

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	14	1756	1027	8408	2783	24940
1952	15	1789	386	3744	2175	20790
1953	14	1872	1045	8752	2917	25288
1954	14	2905	1484	-	4389	-
1955	15	2657	1469	-	4126	-
1956	13	2569	1108	-	3677	-
1957	14	2200	936	-	3136	-
1958	13	1544	691	-	2235	-
1959	12	1520	1144	-	2664	-
1960	12	1217	1167	-	2384	-
1961	12	1332	663	-	1995	-
1962	10	1954	521	-	2475	-
1963	14	1493	1521	-	3014	-
1964	15	1238	935	-	2173	-
1965	18	1772	1425	-	3197	-
1966	18	2398	2055	-	4453	-
1967	18	2428	1405	-	3833	-
1968	18	1086	978	8779	2064	18112
1969	18	1480	475	-	1955	-
1970	17	2087	312	-	2399	-
1971	18	2267	294	-	2561	-
1972	18	3285	383	3714	3668	33462
1973	18	2181	228	-	2409	-
1974	18	1005	234	-	1239	-
1975	18	1600	109	-	1709	-
1976	18	896	48	-	944	-
1977	18	575	233	-	808	-
1978	18	810	227	-	1037	-
1979	19	1047	399	-	1446	-
1980	19	984	423	-	1407	-
1981	19	1495	437	-	1932	-
1982	19	1296	252	-	1548	-
1983	18	1537	341	-	1878	-
1984	19	1335	292	1832	1627	9799
1985	19	1993	707	4896	2700	18470
1986	19	2044	672	4032	2716	17286
1987	19	4000	824	4469	4824	26907
1988	19	2750	1030	6268	3780	23418
1989	19	3044	331	1969	3375	20126
1990	19	835	321	1993	1156	7264

Table 7.5 River Exe - migratory trout

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	14	-	-	-	-	-
1952	15	-	-	-	-	-
1953	14	-	-	-	-	-
1954	14	-	-	-	-	-
1955	15	27	-	77	-	-
1956	13	38	-	105	-	-
1957	14	46	10	150	56	-
1958	13	14	39	25	39	-
1959	12	94	83	382	177	-
1960	12	43	119	101	144	-
1961	12	47	121	121	65	-
1962	10	63	268	9	72	-
1963	14	37	109	18	55	-
1964	15	10	41	20	30	-
1965	18	29	68	14	43	-
1966	18	10	26	19	29	-
1967	18	23	58	34	57	-
1968	18	15	59	7	22	-
1969	18	3	11	3	6	-
1970	17	3	9	1	4	-
1971	18	7	21	1	8	-
1972	18	17	59	6	23	-
1973	18	59	158	6	65	-
1974	18	10	34	13	23	-
1975	18	21	70	41	62	-
1976	18	18	65	9	27	-
1977	18	20	78	38	58	-
1978	18	45	150	24	69	-
1979	19	56	167	19	75	-
1980	19	80	268	5	85	-
1981	19	36	115	14	50	-
1982	19	16	49	32	48	-
1983	18	17	49	17	34	-
1984	19	19	60	5	24	67
1985	19	22	55	9	31	81
1986	19	15	51	6	21	69
1987	19	11	24	15	26	53
1988	19	38	121	10	48	139
1989	19	43	139	9	52	150
1990	19	6	22	11	17	33

Table 7.6 River Teign - salmon

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	9	938	120	1318	1058	10507
1952	9	591	45	497	636	5979
1953	9	897	26	283	923	7467
1954	10	1481	143	12230	1624	-
1955	10	1338	125	-	1463	-
1956	10	1456	88	-	1544	-
1957	10	1448	103	-	1551	-
1958	10	1163	40	-	1203	-
1959	10	1075	109	-	1184	-
1960	10	997	189	-	1186	-
1961	10	616	90	-	706	-
1962	10	706	58	-	764	-
1963	10	960	134	-	1094	-
1964	10	962	90	-	1052	-
1965	10	1152	130	-	1282	-
1966	10	1303	201	-	1504	-
1967	10	1539	167	-	1706	-
1968	10	1016	108	1092	1124	9420
1969	10	1484	82	-	1566	-
1970	10	1946	51	-	1997	-
1971	10	1052	48	-	1100	-
1972	10	1267	107	1134	1374	12001
1973	10	1076	54	-	1130	-
1974	10	1265	75	-	1340	-
1975	10	2422	62	-	2484	-
1976	10	1193	60	-	1253	-
1977	10	771	103	-	874	-
1978	10	779	70	-	849	-
1979	10	1006	56	-	1062	-
1980	10	973	81	-	1054	-
1981	10	1364	93	-	1457	-
1982	10	738	93	-	831	-
1983	10	1486	145	-	1631	-
1984	10	869	73	655	942	6775
1985	10	1712	128	952	1840	12482
1986	10	1746	258	2041	2004	14768
1987	10	2532	143	1157	2675	17674
1988	10	1506	303	2357	1809	12128
1989	10	1933	136	1107	2069	13874
1990	10	1046	83	683	1129	8243

Table 7.7 River Teign - migratory trout

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	9	333	592	975	925	1942
1952	9	306	203	305	509	1068
1953	9	554	815	998	1369	2424
1954	10	716	825	-	1541	-
1955	10	653	1346	-	1999	-
1956	10	1149	593	-	1742	-
1957	10	1194	1003	-	2197	-
1958	10	1349	719	-	2068	-
1959	10	1958	4806	-	3130	-
1960	10	1539	1172	-	2469	-
1961	10	1512	930	-	2821	-
1962	10	1622	460	-	2082	-
1963	10	2084	1493	-	3577	-
1964	10	1704	1639	-	3343	-
1965	10	1847	1973	-	3820	-
1966	10	2203	1965	-	4168	-
1967	10	2086	2226	-	4312	-
1968	10	2481	2018	-	4499	-
1969	10	1908	1147	-	3055	-
1970	10	922	2176	-	1518	-
1971	10	305	832	-	837	-
1972	10	332	899	-	996	-
1973	10	656	664	-	1527	-
1974	10	711	871	-	1559	-
1975	10	1392	848	-	2281	-
1976	10	578	869	-	1048	-
1977	10	402	1028	-	1059	-
1978	10	943	657	-	1759	-
1979	10	1118	816	-	2688	-
1980	10	1997	2710	-	2872	-
1981	10	1559	5241	-	3717	-
1982	10	1486	4167	-	2158	-
1983	10	1629	4059	-	1965	-
1984	10	1589	3882	-	1359	-
1985	10	1092	4149	1402	2533	5551
1986	10	808	3179	1596	2148	4775
1987	10	1300	2286	1761	2227	4047
1988	10	1407	3510	1841	3141	5626
1989	10	1407	3362	953	2232	4760
1990	10	936	4182	624	1972	5156
			3011		1261	3635

Table 7.8 River Dart - salmon

YEAR	SEINE NET CATCH			ROD CATCH			TOTAL CATCH		
	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	18	1052	10084	401	4023	1453	14107		
1952	18	840	8186	179	2223	1019	10409		
1953	18	932	8332	185	1973	1117	10305		
1954	18	1283	12382	374	-	1657	-		
1955	18	748	7547	284	-	1032	-		
1956	18	1481	12817	262	-	1743	-		
1957	18	966	8328	314	-	1280	-		
1958	18	926	7932	336	-	1262	-		
1959	18	875	7419	275	-	1150	-		
1960	18	898	8710	360	-	1258	-		
1961	18	1018	10006	150	-	1168	-		
1962	18	1326	12383	178	-	1504	-		
1963	18	1643	14802	321	-	1964	-		
1964	18	1533	13452	291	-	1824	-		
1965	18	1640	14669	366	-	2006	-		
1966	18	1262	12028	475	-	1737	-		
1967	18	1188	10428	340	-	1528	-		
1968	18	541	4715	185	1974	726	6689		
1969	18	654	5255	326	-	980	-		
1970	15	410	3171	128	-	538	-		
1971	18	677	5713	57	-	734	-		
1972	17	908	8194	148	1640	1056	9834		
1973	18	845	7457	99	-	944	-		
1974	18	749	6409	153	-	902	-		
1975	18	1221	10485	132	-	1353	-		
1976	18	1423	11858	47	-	1470	-		
1977	18	748	6893	153	-	901	-		
1978	18	783	7159	164	-	947	-		
1979	18	808	5959	187	-	995	-		
1980	18	1390	12531	198	-	1588	-		
1981	18	1715	15450	172	-	1887	-		
1982	18	744	6649	115	-	859	-		
1983	18	1249	9711	188	-	1437	-		
1984	18	1430	10494	91	758	1521	11252		
1985	18	1936	14846	344	2762	2280	17608		
1986	18	2222	18364	455	3713	2677	22077		
1987	18	2356	15961	188	1338	2544	17299		
1988	18	1956	14927	394	2961	2350	17888		
1989	18	2004	14169	123	1047	2127	15216		
1990	18	1085	8530	67	551	1152	9081		

Table 7.9 River Dart - migratory trout

YEAR	SEINE NET CATCH			ROD CATCH			TOTAL CATCH		
	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	18	266	709	397	706	663	1415		
1952	18	241	657	311	401	552	1058		
1953	18	213	666	520	811	733	1477		
1954	18	364	1113	510	-	874	-		
1955	18	353	1052	747	-	1100	-		
1956	18	417	1207	573	-	990	-		
1957	18	307	930	596	-	903	-		
1958	18	335	1083	823	-	1158	-		
1959	18	568	1658	1421	-	1989	-		
1960	18	526	1625	1074	-	1600	-		
1961	18	659	1919	1300	-	1959	-		
1962	18	828	2572	1373	-	2201	-		
1963	18	849	2417	1247	-	2096	-		
1964	18	701	1746	1496	-	2197	-		
1965	18	696	1903	1462	-	2158	-		
1966	18	647	1604	1203	-	1850	-		
1967	18	670	1825	1203	-	1596	-		
1968	18	537	1243	1065	-	1602	-		
1969	18	344	721	785	-	1129	-		
1970	15	186	487	65	-	251	-		
1971	18	101	242	177	-	278	-		
1972	17	47	104	88	-	135	-		
1973	18	257	651	203	-	460	-		
1974	18	217	544	244	-	461	-		
1975	18	419	948	715	-	1134	-		
1976	18	375	954	328	-	703	-		
1977	18	250	657	516	-	766	-		
1978	18	374	894	561	-	935	-		
1979	18	717	1450	633	-	1350	-		
1980	18	771	1944	343	-	1114	-		
1981	18	845	1853	570	-	1415	-		
1982	18	757	1891	770	-	1527	-		
1983	18	678	1313	545	-	1223	-		
1984	18	777	1662	437	816	1214	2478		
1985	18	505	1175	283	648	788	1823		
1986	18	716	1678	149	234	865	1912		
1987	18	926	1799	631	983	1557	2782		
1988	18	877	2332	683	1224	1560	3556		
1989	18	781	2189	504	1131	1285	3320		
1990	18	579	1995	282	571	861	2566		

Table 7.10 River Avon - salmon - nets and fixed engine

YEAR	SEINE NETS		FISHING WEIR		TOTAL CATCH		
	LIC	NO WEIGHT (LBS)	LIC	NO WEIGHT (LBS)	LIC	NO WEIGHT (LBS)	
1951	2	182	1	12	99	34	281
1952	2	256	1	6	62	3	318
1953	2	48	1	8	76	3	532
1954	2	241	1	50	462	3	291
1955	2	48	1	14	139	3	62
1956	2	25	1	7	66	3	32
1957	2	48	1	4	47	3	52
1958	2	32	1	10	99	3	42
1959	1	43	1	5	43	2	48
1960	1	14	1	4	35	2	18
1961	1	4	1	-	-	2	4
1962	1	51	1	4	32	2	55
1963	1	30	1	19	190	2	49
1964	2	11	1	7	61	3	18
1965	2	37	1	17	154	3	54
1966	2	116	1	16	149	3	132
1967	2	134	1	37	286	3	171
1968	2	59	1	19	206	3	78
1969	2	51	1	11	88	3	62
1970	2	187	1	33	241	3	220
1971	1	204	1	55	470	2	259
1972	1	98	1	32	309	2	130
1973	2	120	1	59	480	3	179
1974	2	44	1	21	193	3	65
1975	2	230	1	8	77	3	238
1976	2	92	1	13	115	3	105
1977	1	103	1	0	0	2	103
1978	1	92	1	0	0	2	92
1979	1	38	1	0	0	2	38
1980			1	17	136	1	17
1981			1	2	11	1	2
1982			1	18	147	1	18
1983			1	22	174	1	22
1984			1	0	0	1	0
1985			1	0	0	1	0
1986			1	0	0	1	0
1987			1	0	0	1	0
1988			1	0	0	1	0
1989			1	0	0	1	0
1990			1	0	0	1	0

Notes: The commercial fishing rights for the river Avon were purchased by South West Water Authority in 1976. Subsequently, the fishing weir was not operated between 1977-79 and from 1984 onwards, although a licence was issued. Seine netting ceased after 1979. Rod catch data appear in Table 7.12.

Table 7.11 River Avon - migratory trout - nets and fixed engine

YEAR	SEINE NETS		FISHING WEIR		TOTAL CATCH		
	LIC	NO WEIGHT (LBS)	LIC	NO WEIGHT (LBS)	LIC	NO WEIGHT (LBS)	
1951	2	28	1	61	138	3	89
1952	2	30	1	38	109	3	68
1953	2	41	1	38	91	3	79
1954	2	35	1	57	122	3	92
1955	2	21	1	53	102	3	74
1956	2	52	1	70	166	3	122
1957	2	81	1	165	299	3	246
1958	2	42	1	46	106	3	88
1959	1	142	1	82	165	2	224
1960	1	22	1	58	154	2	80
1961	1	36	1	138	355	2	174
1962	1	83	1	202	439	2	285
1963	1	27	1	145	317	2	172
1964	2	45	1	146	316	3	191
1965	2	48	1	112	338	3	160
1966	2	77	1	91	257	3	168
1967	2	126	1	119	492	3	245
1968	2	116	1	115	486	3	231
1969	2	115	1	116	448	3	231
1970	2	29	1	80	302	3	109
1971	1	72	1	85	340	2	157
1972	1	11	1	35	138	2	46
1973	2	56	1	137	343	3	193
1974	2	35	1	133	397	3	168
1975	2	74	1	74	203	3	148
1976	2	92	1	78	222	3	170
1977	1	28	1	0	0	2	28
1978	1	79	1	0	0	2	79
1979	1	32	1	0	0	2	32
1980			1	2	12	1	2
1981			1	8	30	1	8
1982			1	4	17	1	4
1983			1	4	19	1	4
1984			1	0	0	1	0
1985			1	0	0	1	0
1986			1	0	0	1	0
1987			1	0	0	1	0
1988			1	0	0	1	0
1989			1	0	0	1	0
1990			1	0	0	1	0

Notes: The commercial fishing rights for the river Avon were purchased by South West Water Authority in 1976. Subsequently, the fishing weir was not operated between 1977-79 and from 1984 onwards, although a licence was issued. Seine netting ceased after 1979. Rod catch data appear in Table 7.12.

Table 7.12 Rivers Avon and Erme - rods

YEAR	SALMON						MIGRATORY TROUT					
	AVON		ERME		AVON & ERME		AVON		ERME		AVON & ERME	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-	2	17	-	-	-	-	57	78
1952	-	-	-	-	-	-	-	-	-	-	14	16
1953	-	-	-	-	4	43	-	-	-	-	198	256
1954	-	-	-	-	5	-	-	-	-	-	146	-
1955	-	-	-	-	6	-	-	-	-	-	313	-
1956	-	-	-	-	8	-	-	-	-	-	207	-
1957	-	-	-	-	3	-	-	-	-	-	377	-
1958	-	-	-	-	17	-	-	-	-	-	305	-
1959	-	-	-	-	4	-	-	-	-	-	339	-
1960	-	-	-	-	2	-	-	-	-	-	244	-
1961	-	-	-	-	3	-	-	-	-	-	245	-
1962	-	-	-	-	2	-	-	-	-	-	318	-
1963	-	-	-	-	5	-	-	-	-	-	326	-
1964	-	-	-	-	8	-	-	-	-	-	425	-
1965	-	-	-	-	6	-	-	-	-	-	570	-
1966	-	-	-	-	18	-	-	-	-	-	529	-
1967	-	-	-	-	33	-	-	-	-	-	439	-
1968	-	-	-	-	12	100	-	-	-	-	407	-
1969	-	-	-	-	3	-	-	-	-	-	320	-
1970	-	-	-	-	27	-	-	-	-	-	237	-
1971	-	-	-	-	6	-	-	-	-	-	145	-
1972	-	-	-	-	2	29	-	-	-	-	68	-
1973	-	-	-	-	3	-	-	-	-	-	167	-
1974	8	-	0	0	8	-	0	0	53	-	114	-
1975	2	-	2	-	4	-	-	-	110	-	350	-
1976	15	-	0	0	15	-	-	-	52	-	208	-
1977	9	-	0	0	9	-	-	-	103	-	214	-
1978	9	-	2	-	11	-	-	-	60	-	296	-
1979	13	-	4	-	17	-	-	-	205	-	262	-
1980	15	-	16	-	31	-	-	-	93	-	150	-
1981	19	-	8	-	27	-	-	-	354	-	453	-
1982	12	-	1	-	13	-	-	-	167	-	219	-
1983	7	-	0	0	7	-	-	-	155	-	174	-
1984	17	143	0	0	17	143	0	0	76	112	83	123
1985	19	134	0	0	19	134	0	0	96	130	142	174
1986	49	392	2	9	51	401	9	256	160	256	195	293
1987	53	373	0	0	53	373	0	0	277	377	301	419
1988	71	520	3	16	74	536	3	340	213	340	273	441
1989	65	445	6	30	71	475	6	388	255	388	278	428
1990	31	227	7	33	38	260	7	132	73	132	82	152

Notes: The Avon and Erme are relatively small rivers in close geographical proximity; their rod catches, up to 1974, were aggregated and reported collectively.

Table 7.13 River Yealm - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-58	----- No data available -----			
1959	-	-	29	-
1960	2	-	30	-
1961	-	-	53	-
1962	-	-	61	-
1963	-	-	5	-
1964	1	-	36	-
1965	3	-	51	-
1966	1	-	66	-
1967	-	-	34	-
1968	1	-	39	-
1969	2	-	43	-
1970	1	-	24	-
1971	2	-	38	-
1972	-	-	26	-
1973	2	-	31	-
1974	5	-	38	-
1975	4	-	51	-
1976	1	-	14	-
1977	-	-	12	-
1978	1	-	17	-
1979	1	-	36	-
1980	1	-	11	-
1981	4	-	106	-
1982	5	-	37	-
1983	1	-	44	-
1984	1	4	39	53
1985	2	11	40	55
1986	0	0	56	86
1987	0	0	33	55
1988	0	0	73	176
1989	1	6	43	77
1990	1	4	19	53

Table 7.14 River Plym - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-58	----- No data available -----			
1959	-	-	314	-
1960	5	-	295	-
1961	-	-	261	-
1962	-	-	291	-
1963	1	-	291	-
1964	6	-	279	-
1965	11	-	239	-
1966	2	-	212	-
1967	4	-	115	-
1968	2	-	109	-
1969	2	-	156	-
1970	4	-	108	-
1971	1	-	79	-
1972	11	-	146	-
1973	30	-	191	-
1974	62	-	159	-
1975	62	-	190	-
1976	157	-	140	-
1977	85	-	293	-
1978	19	-	504	-
1979	39	-	470	-
1980	32	-	294	-
1981	29	-	838	-
1982	42	-	555	-
1983	19	-	618	-
1984	58	558	332	556
1985	8	79	316	483
1986	19	212	289	511
1987	14	126	363	527
1988	26	260	322	493
1989	18	185	144	236
1990	19	172	106	225

Table 7.15 River Tavy - salmon

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)
1951 (a)	-	-	-	-	-	-
1952	(c)	(b)	(b)	(b)	(b)	(b)
1953	(c)	(b)	(b)	(b)	(b)	(b)
1954	(c)	(b)	(a)	(b)	(b)	(b)
1955	(c)	(b)	(b)	(b)	(b)	(b)
1956	(c)	242	1880	(b)	(b)	(b)
1957	(c)	248	2267	(b)	(b)	(b)
1958	(c)	157	1430	(b)	(b)	(b)
1959	(c)	270	2631	78	348	348
1960	(c)	250	2450	80	330	330
1961	(c)	216	2160	39	255	255
1962 (d)	3(8)	535	-	75	610	610
1963	4(7)	689	-	170	859	859
1964	5(6)	821	-	62	883	883
1965	5(6)	349	3426	180	529	529
1966	4(7)	582	5426	147	729	729
1967	3(8)	667	6178	83	750	750
1968	4(7)	336	2741	90	426	426
1969	4(7)	681	4973	110	791	791
1970	4(7)	835	6680	96	931	931
1971	3(7)	1081	8678	49	1130	1130
1972	3(7)	549	4676	134	683	683
1973	3(7)	1090	7891	120	1210	1210
1974	3(7)	694	5190	148	842	842
1975	3(7)	702	5512	110	812	812
1976	3(7)	622	4579	53	675	675
1977	3(6)	425	3373	132	557	557
1978	3(6)	419	3509	39	458	458
1979	3(2)	296	2134	78	374	374
1980	3(2)	397	3744	110	507	507
1981	3(2)	520	4630	123	643	643
1982	3(2)	222	1917	50	272	272
1983	3(2)	279	2176	28	307	307
1984	3(2)	306	2134	43	300	2434
1985	3(2)	260	2011	170	1384	3395
1986	3(2)	340	2674	134	1036	3710
1987	3(2)	521	3380	99	664	4044
1988	4(1)	447	3175	267	1898	714
1989	4(1)	108	871	38	249	146
1990	4(1)	373	2727	26	203	399

Key: (a) Rod catches for 1951 & 1954, and the seine net catch for 1951 were aggregated into a Cornwall area total. Data are included in Tables 7.31-7.32.

(b) Catch data were recorded for the whole Tamar district (Tamar + Tavy + Lynher) and are included in Tables 7.17-7.18.

(c) For 1952-61, seine net licences were issued for the whole Tamar district (Tavy + Tamar + Lynher) and are included in Tables 7.17-7.18.

(d) From 1962, multiple river licences were issued in addition to those for the river Tavy only. These permitted fishing on other rivers (Tamar and/or Lynher) as well as the Tavy.

In the above table the numbers of multiple river licences are given in parentheses. Catches were recorded by river of capture.

Table 7.16 River Tavy - migratory trout

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)
1951 (a)	-	-	-	-	-	-
1952	(c)	(b)	(b)	(b)	(b)	(b)
1953	(c)	(b)	(b)	(b)	(b)	(b)
1954	(c)	(b)	(b)	(a)	(b)	(b)
1955	(c)	(b)	(b)	(b)	(b)	(b)
1956	(c)	317	1050	(b)	(b)	(b)
1957	(c)	202	684	(b)	(b)	(b)
1958	(c)	224	668	(b)	(b)	(b)
1959	(c)	383	1222	1672	2055	2055
1960	(c)	284	973	836	1120	836
1961	(c)	275	962	1545	1820	1820
1962 (d)	3(8)	384	-	1512	1896	1896
1963	4(7)	409	-	1049	1458	1458
1964	5(6)	613	-	1299	1912	1912
1965	5(6)	535	-	738	1273	1273
1966	4(7)	660	-	1140	1403	1403
1967	3(8)	660	-	912	1572	1572
1968	4(7)	453	-	747	1200	1200
1969	4(7)	313	-	802	1115	1115
1970	4(7)	152	-	676	828	828
1971	3(7)	162	-	391	553	553
1972	3(7)	83	-	323	406	406
1973	3(7)	313	-	478	791	791
1974	3(7)	210	-	471	681	681
1975	3(7)	299	-	998	1370	1370
1976	3(7)	293	-	912	1071	1071
1977	3(6)	157	-	775	932	932
1978	3(6)	246	-	686	1178	1178
1979	3(2)	167	-	451	944	944
1980	3(2)	374	-	1138	782	782
1981	3(2)	205	-	659	881	881
1982	3(2)	184	-	622	701	701
1983	3(2)	70	-	241	628	628
1984	3(2)	123	-	348	419	767
1985	3(2)	65	-	240	287	527
1986	3(2)	62	-	220	370	630
1987	3(2)	37	-	119	706	957
1988	4(1)	75	-	203	525	600
1989	4(1)	73	-	247	293	540
1990	4(1)	134	-	540	187	727

Table 7.17 River Tamar - salmon

YEAR	SEINE NET CATCH			ROD CATCH			TOTAL CATCH		
	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)		
1951 (a)	-	-	-	-	-	-	-	-	
1952 (c)	28	1819 (b)	17562	230 (b)	2077	2049	19639	-	
1953 (c)	24	1825 (b)	15613	390 (b)	3314	2215	18927	-	
1954 (c)	26	3121 (b)	28313	- (a)	-	-	-	-	
1955 (c)	29	3747 (b)	36545	459 (b)	4495	4206	41040	-	
1956 (c)	31	2435	21882	873 (b)	-	3308	-	-	
1957 (c)	36	2521	22863	1395 (b)	-	3916	-	-	
1958 (c)	34	1689	15314	1495 (b)	-	2332	-	-	
1959 (c)	33	2090	19800	242	-	2048	-	-	
1960 (c)	31	1641	15500	407	-	1740	-	-	
1961 (c)	31	1577	15770	163	-	2907	-	-	
1962 (d)	15(6)	2628	-	279	-	3156	-	-	
1963	16(5)	2679	-	477	-	2088	-	-	
1964	16(5)	1782	-	306	-	1792	-	-	
1965	15(5)	1208	11093	584	-	3498	-	-	
1966	15(5)	2807	24818	691	-	3426	-	-	
1967	14(6)	2725	22079	701	-	2220	-	-	
1968	15(5)	1770	13739	450	-	2827	-	-	
1969	15(5)	2148	17149	679	-	2903	-	-	
1970	15(5)	2074	16177	829	-	2964	-	-	
1971	14(5)	2263	16362	701	-	3313	-	-	
1972	14(5)	2642	23095	671	-	3042	-	-	
1973	14(5)	2121	16268	921	-	2192	-	-	
1974	14(5)	1232	9344	960	-	3956	-	-	
1975	13(5)	2864	20736	1092	-	1738	-	-	
1976	13(5)	2176	16035	266	-	1325	-	-	
1977	13(5)	1285	9768	453	-	1755	-	-	
1978	12(5)	924	8292	401	-	2422	-	-	
1979	13(2)	1264	8678	491	-	2929	-	-	
1980	13(2)	1253	10939	1169	-	872	-	-	
1981	13(2)	1820	15665	1109	-	1459	-	-	
1982	13(2)	580	4432	292	-	1500	10928	-	
1983	13(2)	1102	7990	357	-	1909	14039	-	
1984	13(2)	1127	7952	373	2976	2035	15644	-	
1985	13(2)	1095	7840	814	6199	2035	12913	-	
1986	13(2)	1142	8565	893	7079	1992	22828	-	
1987	13(2)	1514	9921	478	2992	1714	12604	-	
1988	14(1)	2645	17317	787	5511	1960	12941	-	
1989	14(1)	1370	10172	344	2432	-	-	-	
1990	14(1)	1653	10703	307	2238	-	-	-	

Key: (a) Rod catches for 1951 & 1954, and the seine net catch for 1951 were aggregated into a Cornwall area total. Data are included in Tables 7.31-7.32.

(b) Catch data were recorded for the whole Tamar district (Tamar + Tavvy + Lynher).

(c) For 1952-61, seine net licences were issued for the whole Tamar district (Tamar + Tavvy + Lynher).

(d) From 1962, multiple river licences were issued in addition to those for the river Tamar only. These permitted fishing on other rivers (Tavy and/or Lynher) as well as the Tamar.

In the above table the numbers of multiple river licences are given in parentheses. Catches were recorded by river of capture.

Table 7.18 River Tamar - migratory trout

YEAR	SEINE NET CATCH			ROD CATCH			TOTAL CATCH		
	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)		
1951 (a)	-	-	-	-	-	-	-	-	
1952 (c)	28	141 (b)	361	511 (b)	686	652	1047	-	
1953 (c)	24	159 (b)	522	735 (b)	1023	894	1545	-	
1954 (c)	26	192 (b)	643	- (a)	-	-	-	-	
1955 (c)	29	417 (b)	1361	1521 (b)	2985	1938	4346	-	
1956 (c)	31	520	2229	1337 (b)	-	1857	-	-	
1957 (c)	36	611	2027	2667 (b)	-	3278	-	-	
1958 (c)	34	681	2387	2544 (b)	-	3225	-	-	
1959 (c)	33	577	1952	193	-	770	-	-	
1960 (c)	31	573	1949	188	-	761	-	-	
1961 (c)	31	403	2005	276	-	679	-	-	
1962 (d)	15(6)	372	-	213	-	585	-	-	
1963	16(5)	199	-	339	-	538	-	-	
1964	16(5)	413	-	345	-	758	-	-	
1965	15(5)	423	-	407	-	830	-	-	
1966	15(5)	561	-	353	-	914	-	-	
1967	14(6)	532	-	381	-	913	-	-	
1968	15(5)	461	-	560	-	1021	-	-	
1969	15(5)	416	-	744	-	1160	-	-	
1970	15(5)	358	-	634	-	992	-	-	
1971	14(5)	164	-	404	-	568	-	-	
1972	14(5)	162	-	465	-	627	-	-	
1973	14(5)	228	-	665	-	893	-	-	
1974	14(5)	192	659	451	-	643	-	-	
1975	13(5)	120	402	538	-	658	-	-	
1976	13(5)	174	611	280	-	454	-	-	
1977	13(5)	184	620	358	-	542	-	-	
1978	12(5)	114	376	418	-	532	-	-	
1979	13(2)	119	348	831	-	950	-	-	
1980	13(2)	226	732	352	-	578	-	-	
1981	13(2)	184	561	1105	-	1289	-	-	
1982	13(2)	147	472	777	-	924	-	-	
1983	13(2)	113	433	724	-	837	-	-	
1984	13(2)	209	811	336	417	545	1228	-	
1985	13(2)	85	306	362	496	447	802	-	
1986	13(2)	80	311	320	357	400	668	-	
1987	13(2)	80	300	843	807	923	1107	-	
1988	14(1)	308	758	597	716	905	1474	-	
1989	14(1)	201	650	276	295	477	945	-	
1990	14(1)	162	626	137	227	299	853	-	

Table 7.19 River Lynher - salmon

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO
1951 (a)	-	-	-	-	-	-
1952	(c)	(b)	-	(b)	-	-
1953	(c)	(b)	-	(b)	-	-
1954	(c)	(b)	-	(a)	-	-
1955	(c)	(b)	-	(b)	-	-
1956	(c)	434	4219	(b)	-	-
1957	(c)	382	3373	(b)	-	-
1958	(c)	427	3559	(b)	-	-
1959	(c)	560	5289	41	601	601
1960	(c)	354	3480	38	392	392
1961	(c)	313	3130	27	340	340
1962 (d)	5(2)	564	-	32	596	-
1963	5(2)	371	-	91	462	-
1964	5(1)	294	-	62	356	-
1965	6(1)	229	2065	125	354	-
1966	4(2)	407	3159	90	497	-
1967	4(2)	328	2673	66	394	-
1968	4(2)	279	2126	81	360	-
1969	4(2)	245	2705	124	369	-
1970	4(2)	353	2705	96	449	-
1971	4(2)	293	2205	64	357	-
1972	3(2)	451	3653	245	696	-
1973	3(2)	392	2859	158	550	-
1974	3(2)	412	3190	260	672	-
1975	3(2)	529	4279	177	706	-
1976	3(2)	467	3618	78	545	-
1977	4(1)	296	2370	70	366	-
1978	4(1)	303	2607	47	350	-
1979	5	602	4204	50	652	-
1980	5	525	4623	118	643	-
1981	5	526	4214	98	624	-
1982	5	177	1435	78	255	-
1983	5	150	1111	68	218	-
1984	5	186	1409	46	287	1696
1985	5	265	1982	95	785	2767
1986	5	822	6933	160	1279	8212
1987	5	636	4612	113	767	5379
1988	5	452	2965	153	1016	3981
1989	5	307	2094	15	110	2204
1990	5	258	1777	32	205	1982

Key:

(a) Rod catches for 1951 & 1954, and the seine net catch for 1951 were aggregated into a Cornwall area total. Data are included in Tables 7.31-7.32.

(b) Catch data were recorded for the whole Tamar district (Tamar + Tavvy + Lynher) and are included in Tables 7.17-7.18.

(c) For 1952-61, seine net licenses were issued for the whole Tamar district (Tavy + Tamar + Lynher) and are included in Tables 7.17-7.18.

(d) From 1962, multiple river licenses were issued in addition to those for the river Lynher only. These permitted fishing on other rivers (Tamar and/or Tavvy) as well as the Lynher. In the above table the numbers of multiple river licenses are given in parentheses. Catches were recorded by river of capture.

Table 7.20 River Lynher - migratory trout

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO
1951 (a)	-	-	-	-	-	-
1952	(c)	(b)	-	(b)	-	-
1953	(c)	(b)	-	(b)	-	-
1954	(c)	(a)	-	(b)	-	-
1955	(c)	(b)	-	(b)	-	-
1956	(c)	112	479	(b)	-	-
1957	(c)	61	97	(b)	-	-
1958	(c)	52	176	(b)	-	-
1959	(c)	147	453	214	361	361
1960	(c)	64	205	243	307	307
1961	(c)	95	237	155	250	250
1962 (d)	5(2)	48	277	155	325	325
1963	5(2)	62	-	252	314	314
1964	5(1)	40	-	256	296	296
1965	6(1)	85	-	416	501	501
1966	4(2)	88	-	207	295	295
1967	4(2)	130	-	165	295	295
1968	4(2)	86	-	226	312	312
1969	4(2)	88	-	257	345	345
1970	4(2)	57	-	257	314	314
1971	4(2)	61	-	232	293	293
1972	3(2)	84	-	251	335	335
1973	3(2)	53	-	451	504	504
1974	3(2)	45	134	444	489	489
1975	3(2)	50	192	345	395	395
1976	3(2)	34	123	155	189	189
1977	4(1)	43	161	246	289	289
1978	4(1)	28	110	276	304	304
1979	5	36	123	286	322	322
1980	5	74	257	281	355	355
1981	5	46	164	376	422	422
1982	5	28	110	207	235	235
1983	5	10	42	234	244	244
1984	5	21	68	414	482	482
1985	5	15	55	185	328	328
1986	5	29	104	158	311	311
1987	5	25	93	374	399	399
1988	5	22	86	582	668	668
1989	5	33	119	213	246	246
1990	5	66	247	135	201	201

Table 7.21 River Loos

YEAR	MIGRATORY TROUT			SALMON			
	DRIFT NET CATCH		ROD CATCH	TOTAL CATCH		ROD CATCH	
	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-58			No data available				
1959				302		2	
1960				139			
1961 (a)	1	176		236		1	
1962				159			
1963				132			
1964				138			
1965				332			
1966				175			
1967	1	22		283			
1968	1	46		60			
1969	1	47		126			
1970				101			
1971	1			71			
1972	1	5		56			
1973	1	23		78			
1974				51			
1975				172			
1976				87			
1977	1			76			
1978	1			150			
1979				157			
1980	1			42			
1981 (b)				127			
1982				95			
1983				136		1	
1984				67	75	3	18
1985				165	198	2	13
1986				91	108	2	13
1987				186	234	2	13
1988				101	119	3	22
1989				103	119	2	14
1990				30	46	1	9

Key: (a) Drift netting not permitted prior to 1961.

(b) Drift netting prohibited from 1981.

Notes: No salmon were reported to have been caught by drift net during the period 1961-80.

Table 7.22 River Fowey - salmon

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951 (a)	7	-	-	-	-	-
1952	5	64 618	11	99	75	717
1953	4	88 706	30	191	118	897
1954	4	157 1516	-	-	-	-
1955	4	191 1885	71	695	262	2580
1956	5	140 1314	87	768	227	2082
1957	5	86 697	84	766	170	1463
1958	4	6 61	71	593	77	654
1959	4	136 1219	111	-	247	-
1960	4	46 -	124	-	170	-
1961	5	46 -	77	-	123	-
1962	4	87 -	111	-	198	-
1963	4	33 -	199	-	232	-
1964	4	122 -	207	-	329	-
1965	4	142 1251	257	-	399	-
1966	4	202 1736	203	-	405	-
1967	4	134 1187	238	-	372	-
1968	4	75 663	137	-	212	-
1969	4	79 551	90	-	169	-
1970	4	152 882	232	-	384	-
1971	4	320 1853	184	-	504	-
1972	3	84 746	219	-	303	-
1973	4	95 718	240	-	335	-
1974	4	162 1197	418	-	580	-
1975	4	211 1382	483	-	694	-
1976	4	202 1368	381	-	583	-
1977	4	114 777	283	-	397	-
1978	4	80 574	181	-	261	-
1979	4	100 606	238	-	338	-
1980	4	99 803	397	-	496	-
1981	4	202 1526	297	-	499	-
1982	4	49 404	131	-	180	-
1983	3	76 510	114	-	190	-
1984	4	122 794	277	2427	399	3221
1985	4	34 269	244	2103	278	2372
1986	4	139 809	286	2257	425	3066
1987	4	172 1023	300	2271	472	3294
1988	4	99 602	388	3192	487	3794
1989	4	210 1263	149	1014	359	2277
1990	4	160 1188	153	1168	313	2356

Key: (a) For 1951, net and rod catches for the whole Cornwall area were aggregated and are included in Tables 7.31. & 7.32.

Table 7.23 River Fowey - migratory trout

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951 (a)	7	-	-	-	-	-
1952	5	16 41	280	376	296	417
1953	4	44 145	522	700	566	845
1954	4	88 261	-	-	-	-
1955	4	248 728	1676	2292	1924	3020
1956	5	127 430	817	1218	944	1648
1957	5	119 371	979	1400	1098	1771
1958	4	85 240	1281	1855	1366	2095
1959	4	140 533	2762	-	2902	-
1960	4	68 -	1717	-	1785	-
1961	5	137 -	2804	-	2941	-
1962	4	176 -	2629	-	2805	-
1963	4	55 -	2296	-	2351	-
1964	4	134 -	2559	-	2693	-
1965	4	173 -	1959	-	2132	-
1966	4	112 -	2360	-	2472	-
1967	4	128 -	1362	-	1490	-
1968	4	169 -	1440	-	1609	-
1969	4	59 -	1108	-	1167	-
1970	4	67 -	923	-	990	-
1971	4	45 -	773	-	818	-
1972	3	38 -	1585	-	654	-
1973	4	124 -	1709	-	1709	-
1974	4	108 510	925	-	1033	-
1975	4	139 420	1322	-	1461	-
1976	4	136 441	1521	-	1657	-
1977	4	83 253	1151	-	1234	-
1978	4	63 189	1156	-	1219	-
1979	4	160 430	1987	-	2147	-
1980	4	125 373	1016	-	1141	-
1981	4	91 275	2493	-	2584	-
1982	4	82 307	985	-	1067	-
1983	3	98 304	1512	-	1610	-
1984	4	252 688	782	1082	1034	1770
1985	4	64 1194	804	1021	868	1195
1986	4	99 282	968	1175	1067	1457
1987	4	300 716	1762	2185	2062	2901
1988	4	193 536	1541	2033	1734	2569
1989	4	221 670	472	586	693	1256
1990	4	156 463	229	364	385	827

Table 7.24 River Camel - salmon

YEAR	DRIFT NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951 (a)	6	-	-	-	-	-
1952	7	65	10	90	75	718
1953	3	15	61	475	76	624
1954	2	5	-	-	-	-
1955	5	17	36	340	53	516
1956	4	39	147	1421	186	1717
1957	6	21	82	817	103	977
1958	6	35	138	1024	173	1349
1959	7	32	188	-	220	-
1960	8	96	258	-	354	-
1961	11	54	172	-	226	-
1962	10	52	255	-	307	-
1963	10	36	408	-	444	-
1964	10	101	247	-	348	-
1965	9	15	265	-	280	-
1966	7	9	320	-	329	-
1967	5	15	174	-	189	-
1968	1	3	75	-	78	-
1969	1	5	268	-	273	-
1970	3	3	258	-	261	-
1971	-	-	322	-	-	-
1972	5	181	209	-	390	-
1973	5	148	317	-	465	-
1974	6	176	476	-	652	-
1975	10	255	385	-	640	-
1976	16	282	382	-	664	-
1977	18	630	232	-	862	-
1978	7	232	74	-	306	-
1979	7	131	176	-	307	-
1980	7	183	230	-	413	-
1981	7	350	236	-	586	-
1982	6	341	277	-	618	-
1983	7	225	214	-	433	-
1984	7	219	194	1596	419	3027
1985	7	286	153	1197	439	3324
1986	7	220	222	2154	442	3755
1987	7	110	198	1872	308	2754
1988	7	729	556	4090	1285	8530
1989 (b)	7	0	244	1832	244	1832
1990 (b)	7	0	298	2335	298	2335

Key: (a) For 1951, net and rod catches for the whole Cornwall area were aggregated and are included in tables 7.31-7.32.

(b) Drift net licensees compensated not to fish during the Camel rehabilitation scheme (1989-1991).

Table 7.25 River Camel - migratory trout

YEAR	DRIFT NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951 (a)	6	-	-	-	-	-
1952	7	168	118	159	286	589
1953	3	55	169	208	224	341
1954	2	10	-	-	-	-
1955	5	27	556	918	583	995
1956	4	23	520	803	543	863
1957	6	99	892	1216	991	1522
1958	6	59	1210	1681	1269	1862
1959	7	79	2436	-	2515	-
1960	8	57	1264	-	1321	-
1961	11	82	2447	-	2529	-
1962	10	143	2471	-	2614	-
1963	10	127	1836	-	1963	-
1964	10	93	2580	-	2673	-
1965	9	57	1523	-	1580	-
1966	7	27	1952	-	1979	-
1967	5	17	1189	-	1206	-
1968	1	7	444	-	451	-
1969	1	0	697	-	697	-
1970	3	21	674	-	695	-
1971	-	-	554	-	-	-
1972	5	79	475	-	554	-
1973	5	28	1199	-	1227	-
1974	6	28	1383	-	1411	-
1975	10	93	2029	-	2122	-
1976	16	169	576	-	745	-
1977	18	313	568	-	881	-
1978	7	87	1135	-	1222	-
1979	7	141	1411	-	1552	-
1980	7	135	632	-	767	-
1981	7	176	1484	-	1660	-
1982	6	123	1278	-	1401	-
1983	7	62	1189	-	1251	-
1984	7	132	687	950	819	1404
1985	7	61	247	606	512	853
1986	7	20	75	721	592	796
1987	7	45	146	1717	1496	1863
1988	7	107	483	1496	1225	1979
1989 (b)	7	0	369	520	369	520
1990 (b)	7	0	598	752	598	752

Table 7.26 River Torridge - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951 (a)	526	6079	804	1093
1952	172	2121	354	390
1953	376	4803	913	933
1954	883	-	989	-
1955	626	-	764	-
1956	313	-	778	-
1957	459	-	1121	-
1958	491	-	887	-
1959	448	-	360	-
1960	498	-	971	-
1961	269	-	583	-
1962	349	-	598	-
1963	668	-	1949	-
1964	441	-	2072	-
1965	449	-	1881	-
1966	599	-	2422	-
1967	454	-	1409	-
1968	551	5535	2506	-
1969	208	-	1261	-
1970	196	-	1339	-
1971	184	-	1154	-
1972	261	2610	870	-
1973	191	-	1159	-
1974	156	-	691	-
1975	207	-	524	-
1976	113	-	228	-
1977	328	-	520	-
1978	122	-	379	-
1979	73	-	939	-
1980	196	-	633	-
1981	154	-	424	-
1982	46	-	464	-
1983	53	-	329	-
1984	41	370	60	90
1985	57	430	108	212
1986	65	622	349	489
1987	30	256	633	919
1988	106	824	226	456
1989	29	223	44	99
1990	40	315	145	214

Key: (a) The catch for 1951 is for the Taw and Torridge combined, and is included in Table 7.26 only.

Table 7.27 River Taw - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951 (a)	-	-	-	-
1952	253	3005	560	681
1953	250	2597	606	915
1954	676	-	1288	-
1955	971	-	1200	-
1956	431	-	1270	-
1957	603	-	1385	-
1958	603	-	1342	-
1959	571	-	670	-
1960	502	-	1224	-
1961	454	-	995	-
1962	463	-	1454	-
1963	635	-	1901	-
1964	373	-	2363	-
1965	361	-	3726	-
1966	849	-	3423	-
1967	604	-	2598	-
1968	428	4572	3142	-
1969	308	-	1666	-
1970	437	-	1849	-
1971	271	-	1384	-
1972	452	4630	1138	-
1973	264	-	1698	-
1974	202	-	1666	-
1975	264	-	1028	-
1976	133	-	437	-
1977	476	-	550	-
1978	261	-	521	-
1979	365	-	2237	-
1980	795	-	1247	-
1981	412	-	1082	-
1982	192	-	820	-
1983	197	-	838	-
1984	101	1045	592	860
1985	320	2817	458	869
1986	416	3937	583	948
1987	155	1310	1437	2077
1988	381	3027	645	1336
1989	160	1323	204	514
1990	120	979	175	337

Table 7.28 Rivers Taw and Torridge - nets

YEAR	LIC	SEINE NETS		MIGRATORY TROUT WEIGHT (LBS)
		SALMON NO	SALMON WEIGHT (LBS)	
1951	36	3101	30302	1805
1952	36	2624	25517	3028
1953	36	2608	26266	1721
1954	36	3208	31678	2625
1955	36	4248	43021	3006
1956	36	3882	38530	2629
1957	36	4040	37182	1745
1958	36	3415	33719	2416
1959	36	2486	23184	2587
1960	36	3399	31085	2269
1961	36	2540	24618	4704
1962	36	3167	27590	3962
1963	36	2539	25300	3835
1964	36	3120	27457	5000
1965	36	1744	16933	4574
1966	36	2557	25145	5765
1967	36	2038	18382	7191
1968	36	1915	17696	4703
1969	36	2428	20761	2579
1970	36	2040	16598	1724
1971	34	2417	19742	3161
1972	34	2428	22951	2731
1973	36	2936	25013	5553
1974	36	1954	17114	4891
1975	36	3363	27063	6192
1976	36	2877	25570	4658
1977	36	1898	15654	3020
1978	36	1570	14884	2929
1979	36	1805	12686	6113
1980	36	2492	23693	5376
1981	14	2367	23739	4114
1982	22	1398	11932	3576
1983	22	1777	14211	4626
1984	17	1799	13228	5981
1985	17	1579	13569	2925
1986	16	1750	15948	1547
1987	14	1833	13695	5740
1988	14	465	3935	1419
1989	14	910	6475	698
1990	14	0	0	0

Key: (a) Netting effort reduced by imposition of a new net limitation order.
 (b) Taw/Torridge rehabilitation scheme introduced - netmen compensated to reduce fishing effort in 1988-89, and to stop fishing completely in 1990.

Table 7.29 Rivers Lyn and Heddon - salmon

YEAR	FISH TRAP CATCH			ROD CATCH (RIVER LYN)		ROD CATCH (LYN + HEDDON)	
	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	1	35	315	-	-	-	-
1952	1	80	400	-	-	-	-
1953	-	-	-	-	-	30	266
1954	1	2	19	-	-	46	-
1955	1	15	119	-	-	20	-
1956	1	55	460	-	-	49	-
1957	1	68	535	-	-	52	-
1958	1	82	699	-	-	105	-
1959	1	66	579	-	-	39	-
1960	1	46	364	-	-	93	-
1961	1	42	352	-	-	72	-
1962	1	69	507	-	-	156	-
1963	1	89	821	-	-	135	-
1964	1	71	541	-	-	48	-
1965	1	55	517	-	-	253	-
1966	1	91	772	-	-	309	-
1967	1	149	1266	-	-	170	-
1968	1	49	445	-	-	145	1240
1969	1	39	250	-	-	135	-
1970	1	103	740	-	-	216	-
1971	1	48	392	-	-	236	-
1972	1	96	671	-	-	414	2939
1973	1	94	767	259	-	-	-
1974	1	53	273	147	-	-	-
1975	1	110	754	94	-	-	-
1976	1	67	511	71	-	-	-
1977	1	27	159	129	-	-	-
1978	1	68	449	142	-	-	-
1979	1	26	168	75	-	-	-
1980	1	22	159	71	-	-	-
1981	1	98	681	91	-	-	-
1982	1	148	972	69	-	-	-
1983	1	117	737	82	-	-	-
1984	1	56	364	41	276	-	-
1985	1	87	571	110	661	-	-
1986	1	77	624	130	966	-	-
1987	1	154	873	94	562	-	-
1988	1	14	112	110	712	-	-
1989	1	205	1124	206	988	-	-
1990	1	82	637	211	1462	-	-

Note: The Lyn and Heddon are relatively small rivers in close geographical proximity and catches have traditionally been aggregated. However, from 1973 catches for the river Lyn have been reported separately, and the relatively minor contribution made by the river Heddon has been aggregated with minor rivers (Tables 7.31-7.32).

Table 7.30 Rivers Lyn and Heddon - migratory trout

YEAR	FISH TRAP CATCH			ROD CATCH (RIVER LYN)		ROD CATCH (LYN + HEDDON)	
	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	1	21	79	-	-	-	-
1952	1	10	50	-	-	-	-
1953	-	-	-	-	-	37	57
1954	1	29	91	-	-	97	-
1955	1	36	140	-	-	63	-
1956	1	32	179	-	-	74	-
1957	1	34	183	-	-	33	-
1958	1	18	69	-	-	46	-
1959	1	17	75	-	-	26	-
1960	1	10	47	-	-	17	-
1961	1	8	31	-	-	29	-
1962	1	18	76	-	-	94	-
1963	1	21	91	-	-	106	-
1964	1	11	54	-	-	217	-
1965	1	7	17	-	-	599	-
1966	1	20	59	-	-	428	-
1967	1	29	130	-	-	86	-
1968	1	21	89	-	-	193	-
1969	1	14	65	-	-	69	-
1970	1	0	0	-	-	49	-
1971	1	12	36	-	-	65	-
1972	1	29	95	-	-	33	-
1973	1	14	40	42	-	-	-
1974	1	23	78	120	-	-	-
1975	1	31	121	117	-	-	-
1976	1	41	163	80	-	-	-
1977	1	36	125	94	-	-	-
1978	1	14	54	48	-	-	-
1979	1	97	293	81	-	-	-
1980	1	33	104	70	-	-	-
1981	1	112	407	68	-	-	-
1982	1	76	367	122	-	-	-
1983	1	49	196	65	-	-	-
1984	1	158	533	51	137	-	-
1985	1	73	302	172	377	-	-
1986	1	106	421	92	227	-	-
1987	1	106	390	66	139	-	-
1988	1	46	218	137	218	-	-
1989	1	134	615	72	179	-	-
1990	1	32	159	111	306	-	-

Table 7.31 South West Region minor rivers - salmon

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH		
	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951 (a)	36	3237	29749	716	6602	3953	36351
1952	-	-	-	-	-	-	-
1953	-	-	-	-	-	-	-
1954 (a)	-	1129	8845	1129	8845	1129	8845
1955	-	-	-	-	-	-	-
1956	-	-	-	-	-	-	-
1957	-	-	-	-	-	-	-
1958	-	-	-	-	-	-	-
1959	-	-	-	228	-	228	-
1960	-	-	-	280	-	280	-
1961	-	-	-	169	-	169	-
1962	-	-	-	7	-	7	-
1963	-	-	-	124	-	124	-
1964	-	-	-	94	-	94	-
1965	-	-	-	8	-	8	-
1966	-	-	-	121	-	121	-
1967	-	-	-	57	249	57	249
1968	-	-	-	30	-	30	-
1969	-	-	-	15	-	15	-
1970	-	-	-	-	-	-	-
1971	-	-	-	-	-	-	-
1972	-	-	-	-	-	-	-
1973	-	-	-	-	-	-	-
1974	-	-	-	-	-	-	-
1975	-	-	-	2	-	2	-
1976	-	-	-	-	-	-	-
1977	-	-	-	-	-	-	-
1978	-	-	-	-	-	-	-
1979	-	-	-	-	-	-	-
1980	-	-	-	-	-	-	-
1981	-	-	-	1	-	1	-
1982	-	-	-	2	-	2	-
1983	-	-	-	0	-	0	-
1984	-	-	-	0	0	0	0
1985	-	-	-	0	0	0	0
1986	-	-	-	0	0	0	0
1987	-	-	-	0	0	0	0
1988	-	-	-	1	6	1	6
1989	-	-	-	1	8	1	8
1990	-	-	-	0	0	0	0

Key: (a) All catches for 1951, and the rod catch for 1954, have been aggregated for the whole Cornwall area (Tavy, Tamar, Lynher, Fowey and Camel), however seine net licence numbers for 1951 are for the Tamar district only (Tavy + Tamar + Lynher). Rod data for 1951 were derived from bailliffs' reports.

Table 7.32 South West Region minor rivers - migratory trout

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH		
	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951 (a)	36	230	283	865	1313	1095	1596
1952	-	-	-	-	-	-	-
1953	-	-	-	-	-	-	-
1954 (a)	-	2031	2271	2031	2271	2031	2271
1955	-	-	-	-	-	-	-
1956	-	-	-	-	-	-	-
1957	-	-	-	-	-	-	-
1958	-	-	-	-	-	-	-
1959	-	-	-	513	-	513	-
1960	-	-	-	394	-	394	-
1961	-	-	-	778	-	778	-
1962	-	-	-	80	-	80	-
1963	-	-	-	373	-	373	-
1964	-	-	-	441	-	441	-
1965	-	-	-	288	-	288	-
1966	-	-	-	274	-	274	-
1967	-	-	-	279	-	279	-
1968	-	-	-	187	-	187	-
1969	-	-	-	105	-	105	-
1970	-	-	-	65	-	65	-
1971	-	-	-	33	-	33	-
1972	-	-	-	13	-	13	-
1973	-	-	-	66	-	66	-
1974	-	-	-	18	-	18	-
1975	-	-	-	34	-	34	-
1976	-	-	-	16	-	16	-
1977	-	-	-	34	-	34	-
1978	-	-	-	41	-	41	-
1979	-	-	-	33	-	33	-
1980	-	-	-	19	-	19	-
1981	-	-	-	116	-	116	-
1982	-	-	-	71	-	71	-
1983	-	-	-	113	-	113	-
1984	-	-	-	32	40	32	40
1985	-	-	-	44	51	44	51
1986	-	-	-	56	66	56	66
1987	-	-	-	61	68	61	68
1988	-	-	-	31	35	31	35
1989	-	-	-	13	18	13	18
1990	-	-	-	12	9	12	9

Key: (a) All catches for 1951, and the rod catch for 1954, have been aggregated for the whole Cornwall area (Tavy, Tamar, Lynher, Fowey and Camel), however seine net licence numbers for 1951 are for the Tamar district only (Tavy + Tamar + Lynher). Rod data for 1951 were derived from bailliffs' reports.

Table 7.33 South West Region - totals

YEAR	ROD CATCH		NET & FIXED ENGINE CATCH		TOTAL CATCH				
	SALMON NO WEIGHT (LBS)	MIGRATORY TROUT NO WEIGHT (LBS)	LIC	SALMON NO WEIGHT (LBS)	MIGRATORY TROUT NO WEIGHT (LBS)	SALMON NO WEIGHT (LBS)	MIGRATORY TROUT NO WEIGHT (LBS)		
1951	2817	2815	132	10203	96956	2779	6193	13020	5594
1952	1309	2454	124	8008	76786	2359	5664	9317	4813
1953	2426	4713	113	8426	76708	2878	7404	10852	7591
1954	4809	6136	116	12618	117533	4204	9939	17427	10340
1955	4116	8423	123	13162	128467	4926	13450	17278	13349
1956	3429	6405	123	12918	115070	5637	18007	16347	12042
1957	4053	9313	131	12112	106436	4731	15014	16165	14044
1958	4037	9462	126	9511	85155	5346	15747	13548	14808
1959	3552	12817	124	9270	82831	6807	18286	19624	19624
1960	4058	9832	123	8997	-	5537	-	13055	15369
1961	2374	13157	128	7797	-	8290	-	10171	21447
1962	2506	12051	123	11287	-	7933	-	13793	19984
1963	4920	13842	128	10742	-	7857	-	15662	21699
1964	3195	16310	130	10119	-	8925	-	13314	25235
1965	4434	16339	132	8400	75949	8602	-	12834	24941
1966	6089	17055	128	11750	106605	9864	-	17839	26919
1967	4505	12726	126	11437	97175	11750	-	15942	24476
1968	3294	13315	123	7154	60672	9213	-	10448	22528
1969	2843	9525	123	9305	74163	6002	-	12148	15527
1970	2908	7690	120	10239	77229	3603	-	13147	11293
1971	2422	6152	117	10687	84348	4180	-	13109	10332
1972	3260	5330	119	12027	107420	3656	-	15287	8986
1973	2888	9005	124	11169	92005	7531	-	14057	16536
1974	3317	7718	124	7769	63156	6606	18463	11086	14324
1975	3211	9485	127	13536	103589	8919	20376	16747	18404
1976	1809	5684	133	10326	83182	6655	21171	12135	12339
1977	2688	6195	137	6875	55636	4539	12588	9563	10734
1978	1761	7342	126	6060	53038	4922	12156	7821	12264
1979	2251	11845	123	7125	48601	8756	20206	20601	20601
1980	3859	6518	122	8335	75101	9193	28360	12194	15711
1981	3289	12351	97	10459	92471	7376	21884	13748	19727
1982	1660	9012	104	5711	46457	6479	19981	7371	15491
1983	1816	8548	103	8014	58764	7356	17881	9830	15904
1984	1652	13256	100	7455	51893	9261	26081	9107	65149
1985	3173	24423	100	9247	68319	4907	15834	12420	9745
1986	3763	29742	99	10502	81499	3482	10291	14265	111241
1987	2691	18170	97	13828	89302	8570	18596	16519	107472
1988	4579	32680	98	11063	74394	4364	13220	15642	107074
1989	1868	12982	98	10091	67092	3591	11251	11959	80074
1990	1717	12577	98	5492	38393	2071	7063	7209	50970
									4667
									11536

Notes: The absence of weight data for many fisheries in some years precludes the compilation of regional totals for catches before 1984. From 1989, net catches have been reduced following the introduction of schemes to compensate netmen to either cease or reduce fishing effort. Details are given in the text.

Figure 7.2 Declared rod catch of salmon for the River Axe

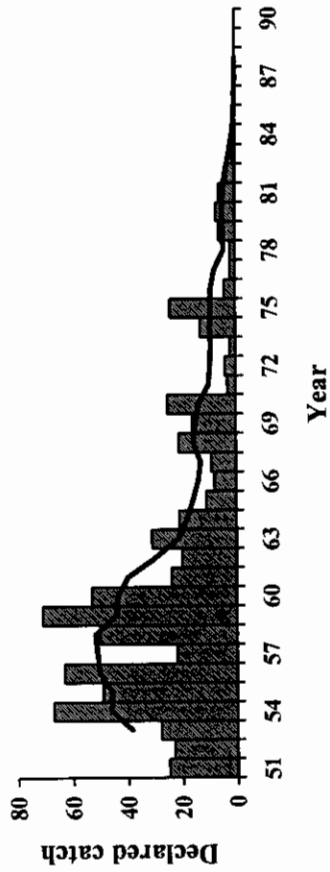


Figure 7.3 Declared rod catch of migratory trout for the River Axe

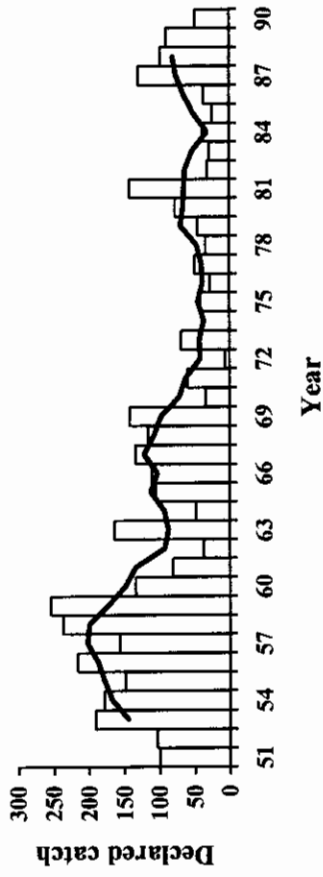


Figure 7.4 Declared net catch of salmon for the River Axe

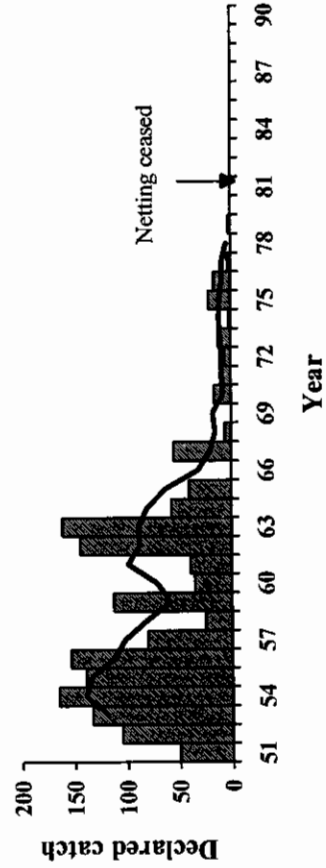
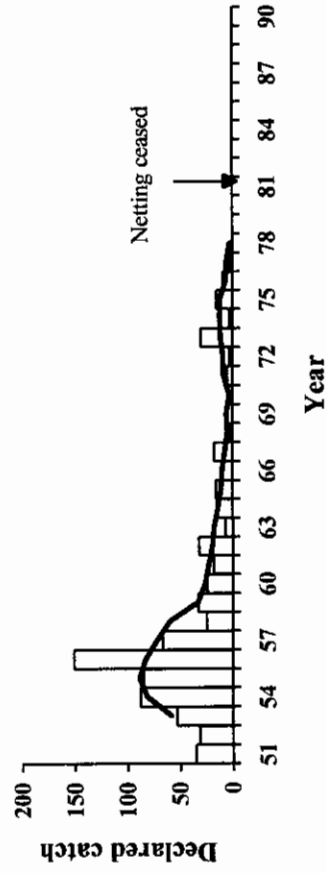


Figure 7.5 Declared net catch of migratory trout for the River Axe



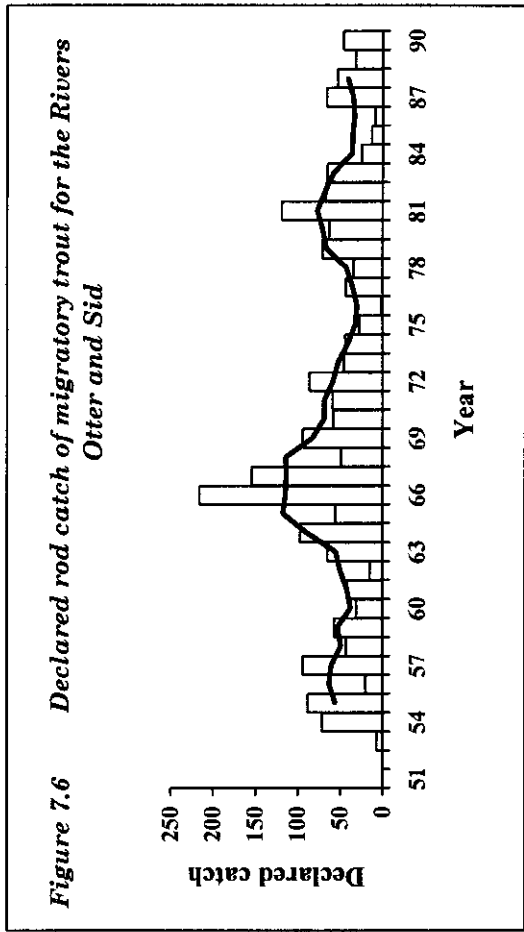


Figure 7.7 Declared rod catch of salmon for the River Exe

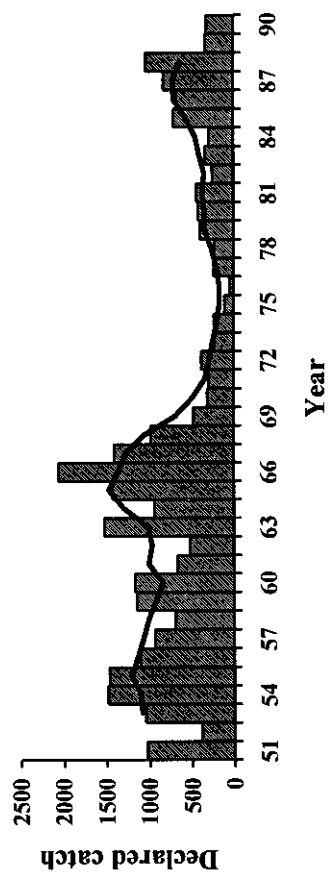


Figure 7.8 Declared rod catch of migratory trout for the River Exe

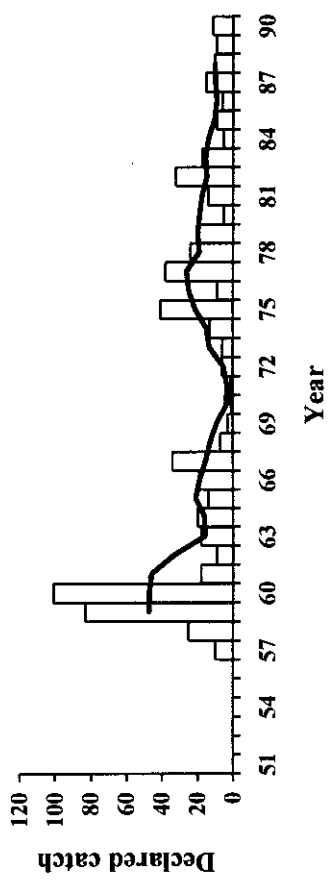


Figure 7.9 Declared net catch of salmon for the River Exe

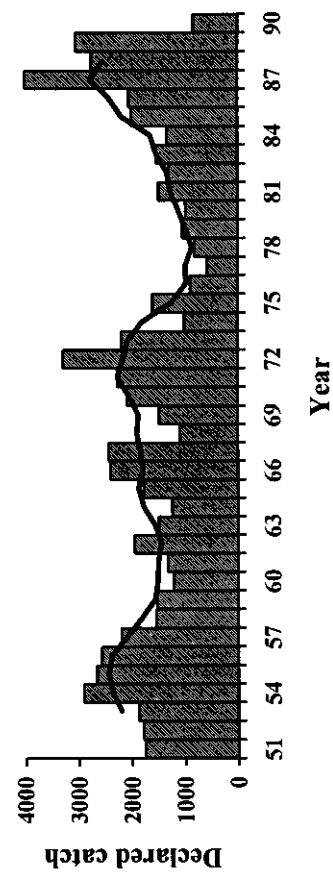


Figure 7.10 Declared net catch of migratory trout for the River Exe

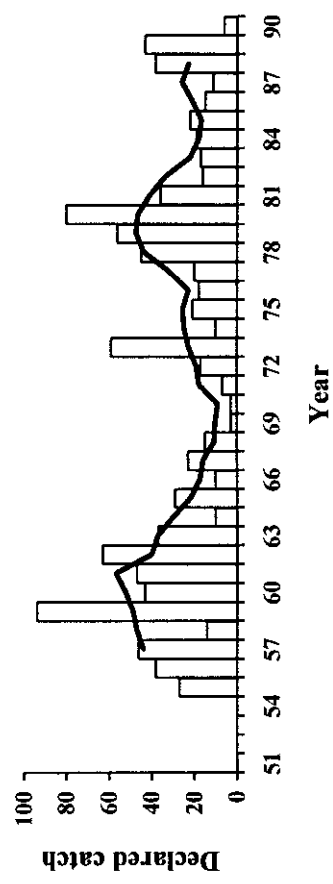


Figure 7.11 Declared rod catch of salmon for the River Teign

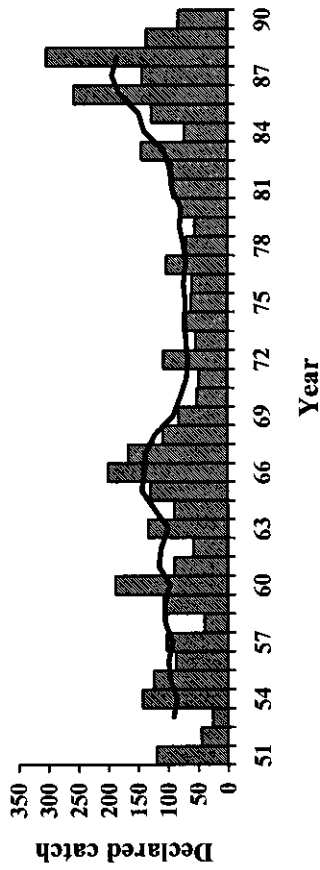


Figure 7.12 Declared rod catch of migratory trout for the River Teign

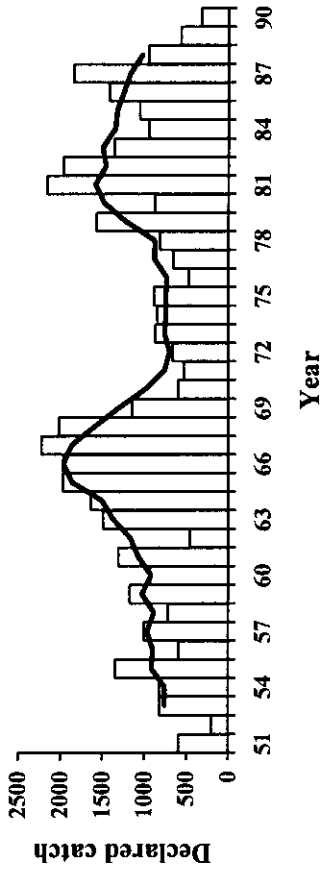


Figure 7.13 Declared net catch of salmon for the River Teign

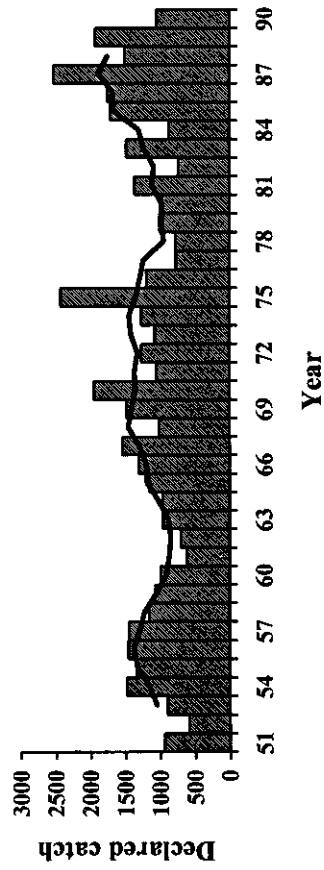


Figure 7.14 Declared net catch of migratory trout for the River Teign

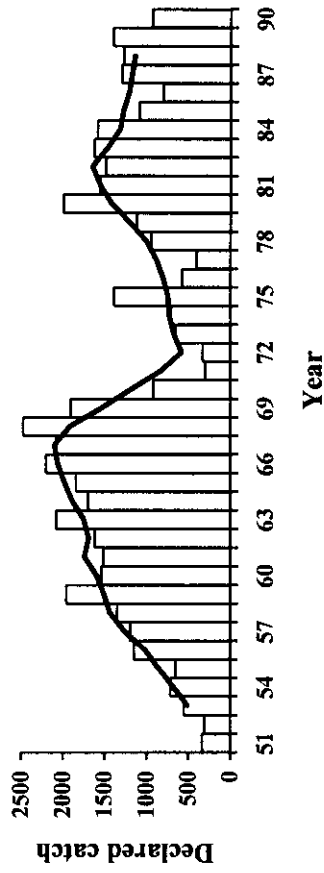


Figure 7.15 Declared rod catch of salmon for the River Dart

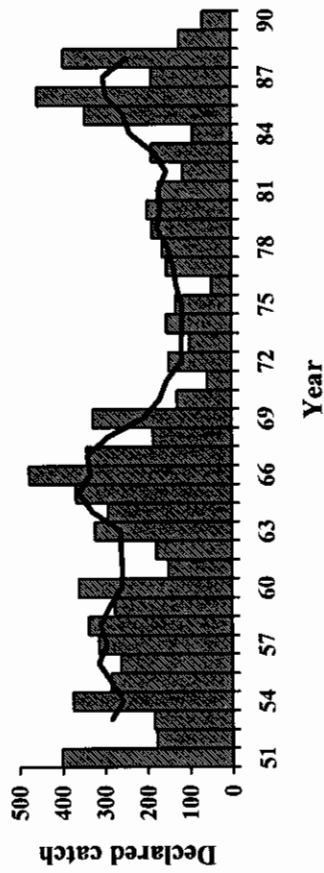


Figure 7.16 Declared rod catch of migratory trout for the River Dart

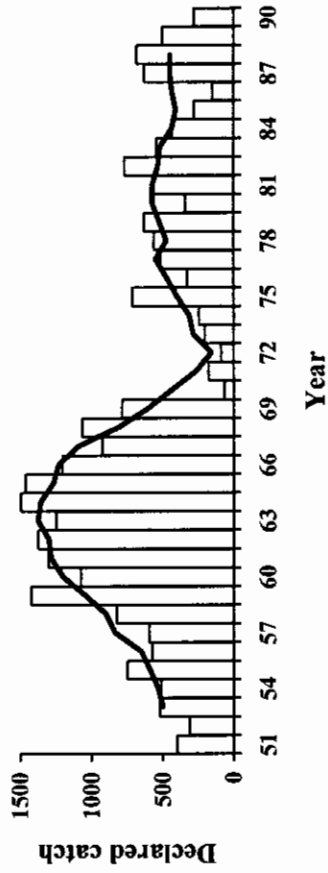


Figure 7.17 Declared net catch of salmon for the River Dart

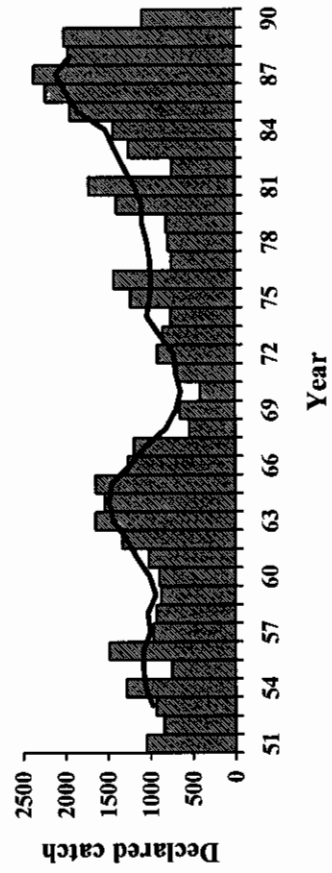


Figure 7.18 Declared net catch of migratory trout for the River Dart

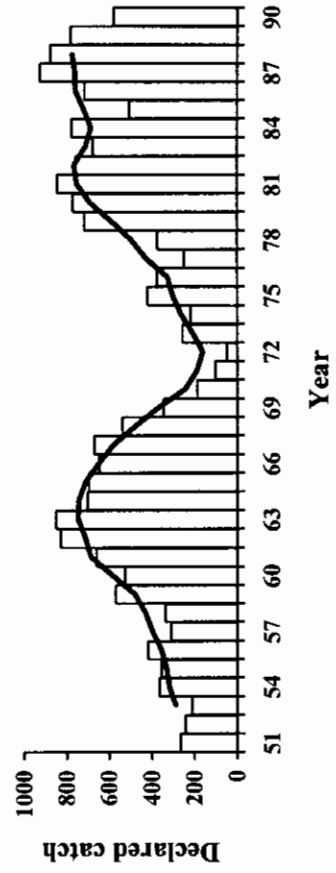


Figure 7.19 Declared rod catch of salmon for the Rivers Avon and Erme

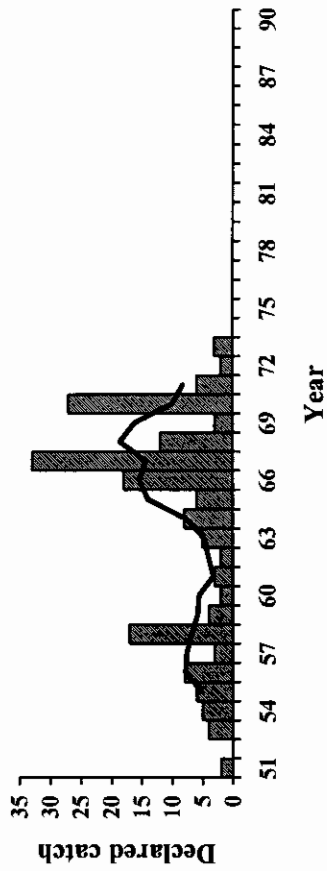


Figure 7.20 Declared rod catch of migratory trout for the Rivers Avon and Erme

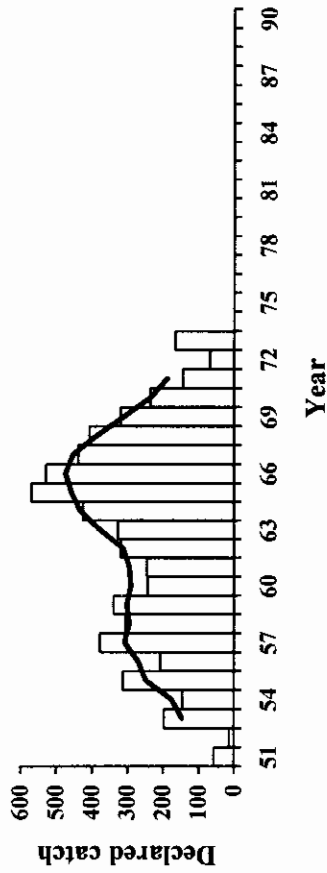


Figure 7.21 Declared net and fixed engine catch of salmon for the River Avon

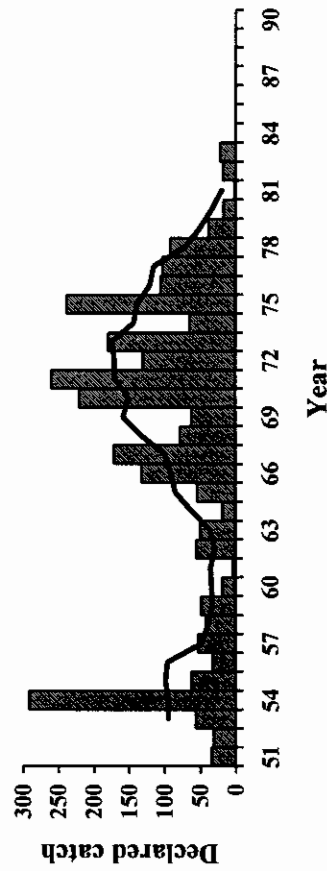
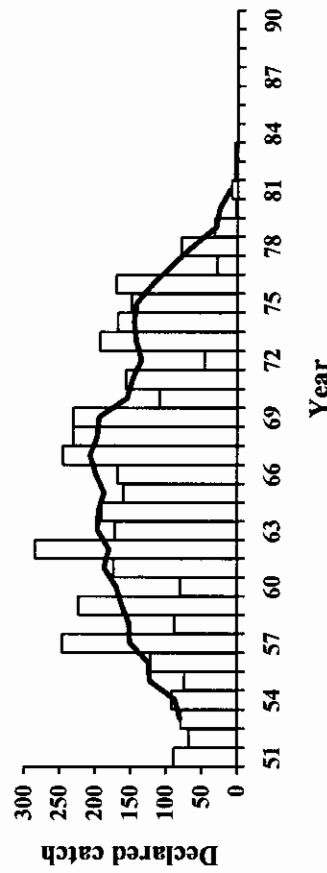


Figure 7.22 Declared net and fixed engine catch of migratory trout for the River Avon



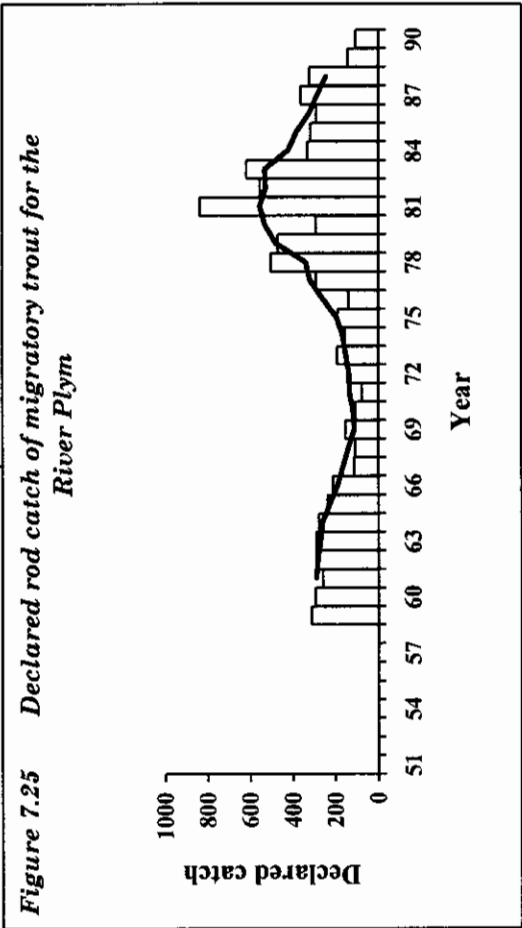
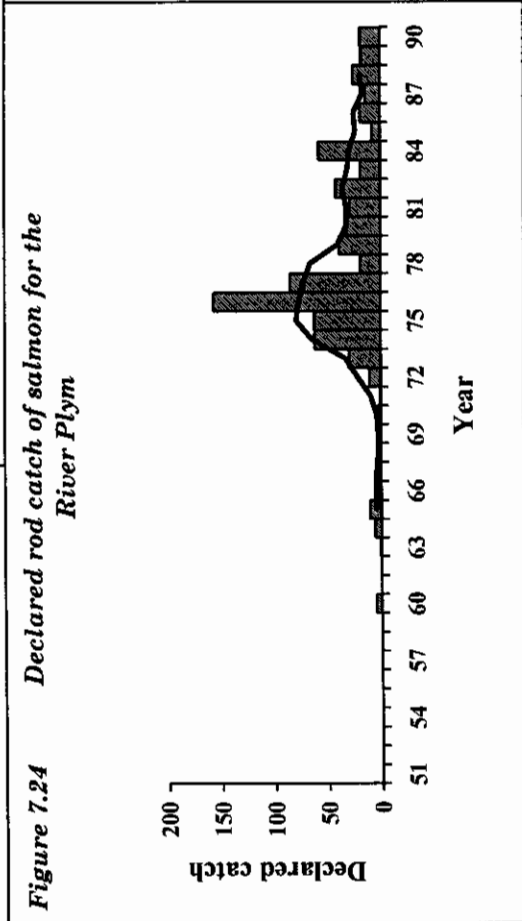
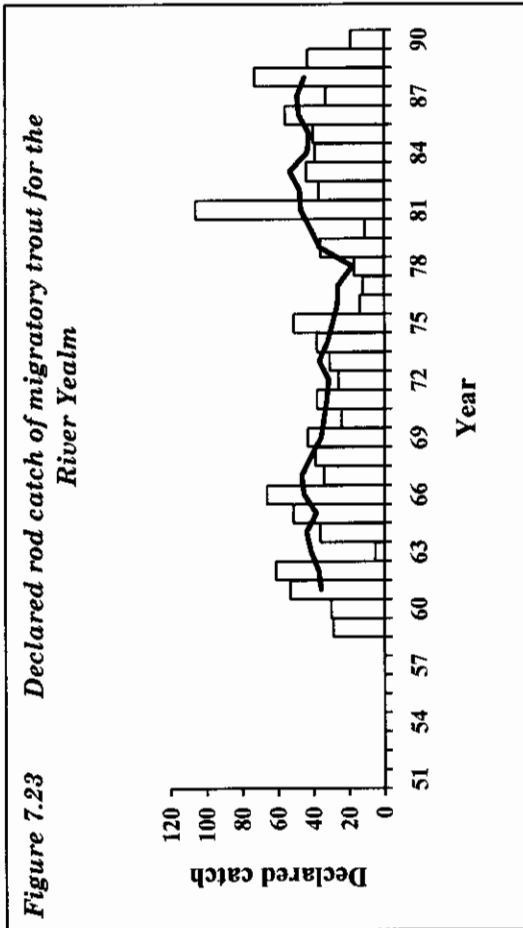


Figure 7.26 Declared rod catch of salmon for the River Tavy

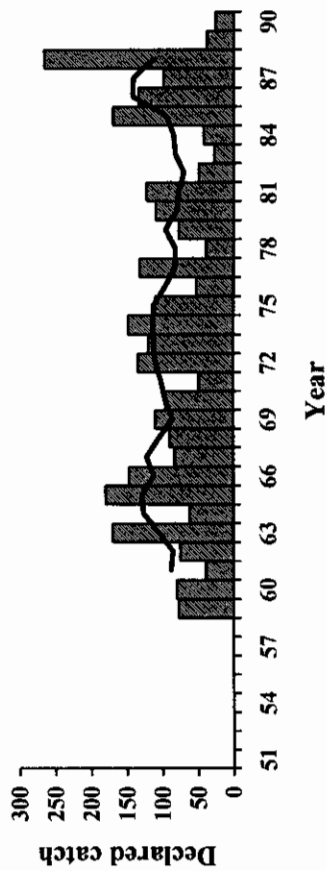


Figure 7.27 Declared rod catch of migratory trout for the River Tavy

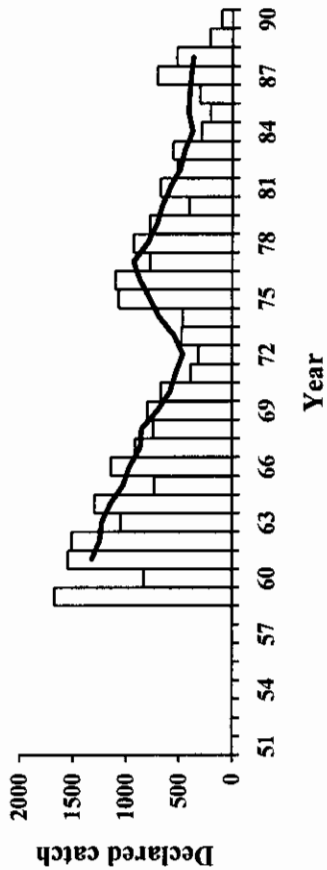


Figure 7.28 Declared net catch of salmon for the River Tavy



Figure 7.29 Declared net catch of migratory trout for the River Tavy

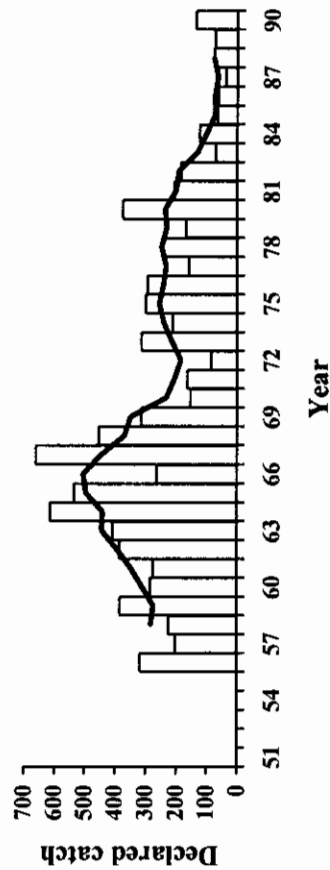


Figure 7.30 Declared rod catch of salmon for the River Tamar

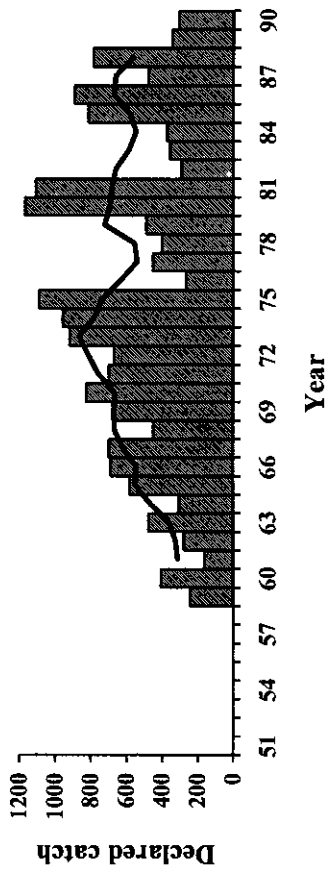


Figure 7.31 Declared rod catch of migratory trout for the River Tamar

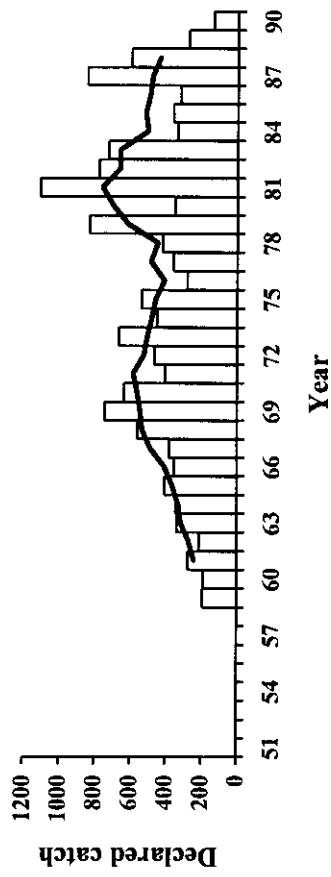


Figure 7.32 Declared net catch of salmon for the River Tamar

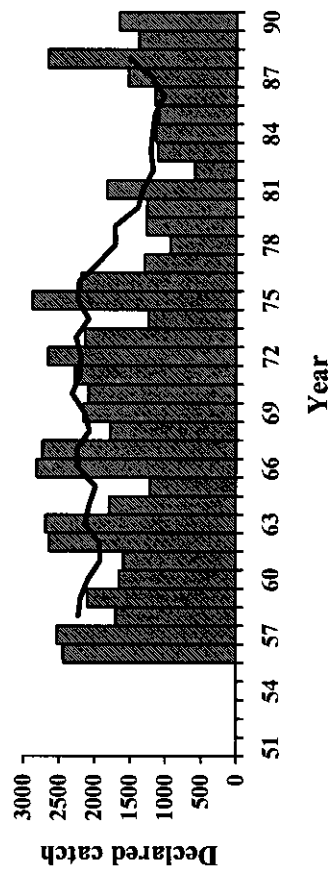


Figure 7.33 Declared net catch of migratory trout for the River Tamar

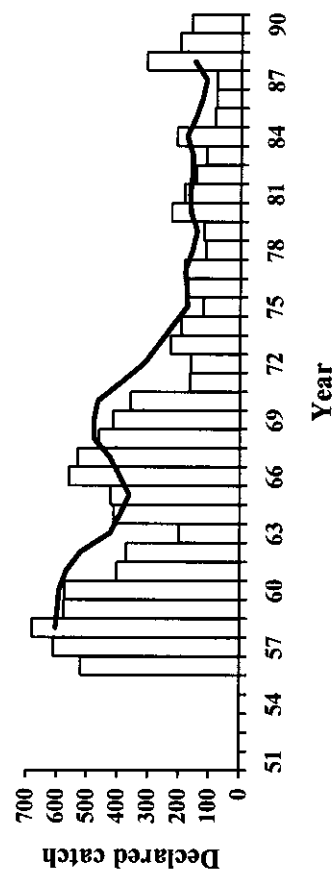


Figure 7.34 Declared rod catch of salmon for the River Lynher

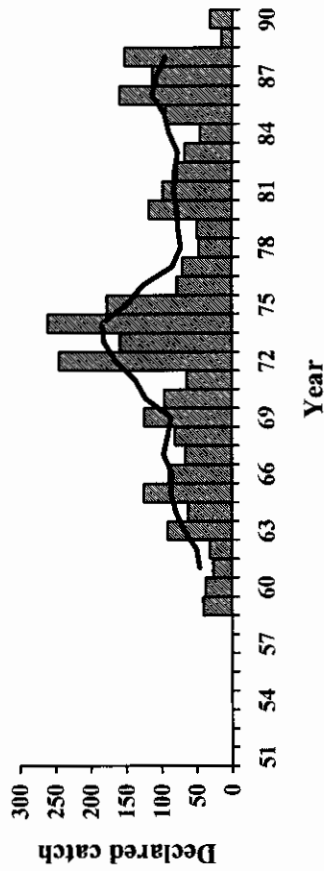


Figure 7.35 Declared rod catch of migratory trout for the River Lynher

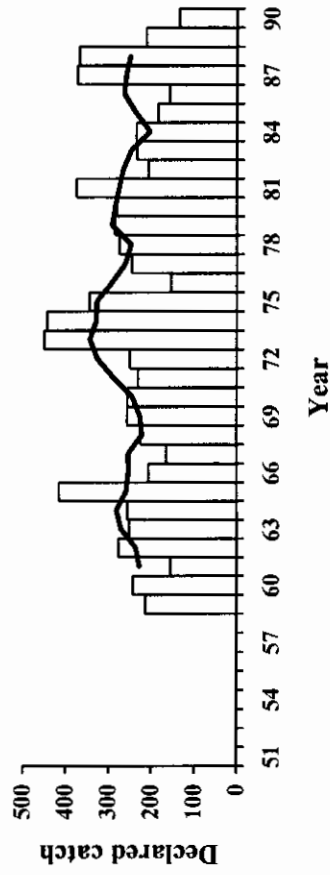


Figure 7.36 Declared net catch of salmon for the River Lynher



Figure 7.37 Declared net catch of migratory trout for the River Lynher

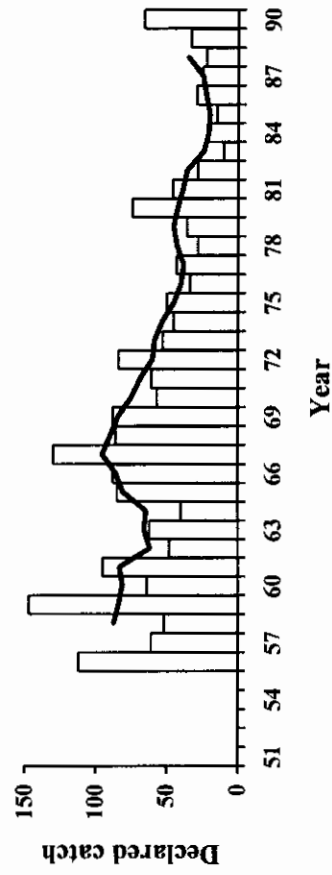


Figure 7.38 *Declared rod catch of migratory trout for the River Looe*

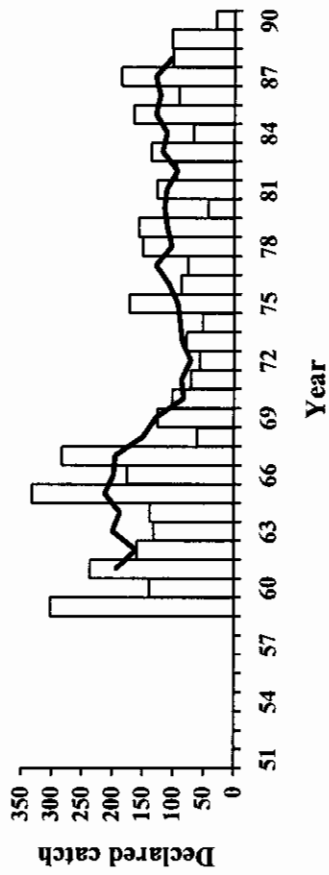


Figure 7.39 Declared rod catch of salmon for the River Fowey

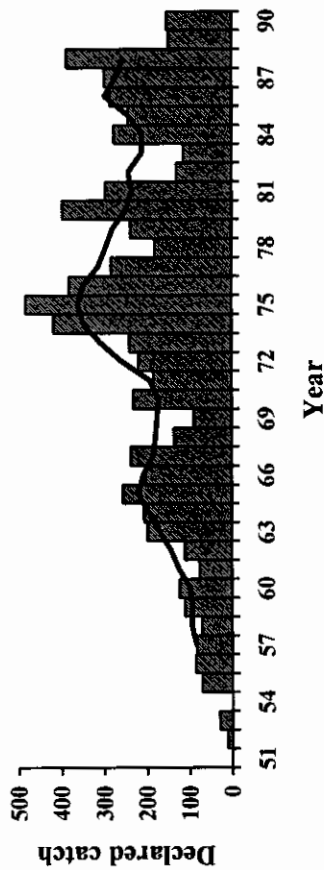


Figure 7.40 Declared rod catch of migratory trout for the River Fowey

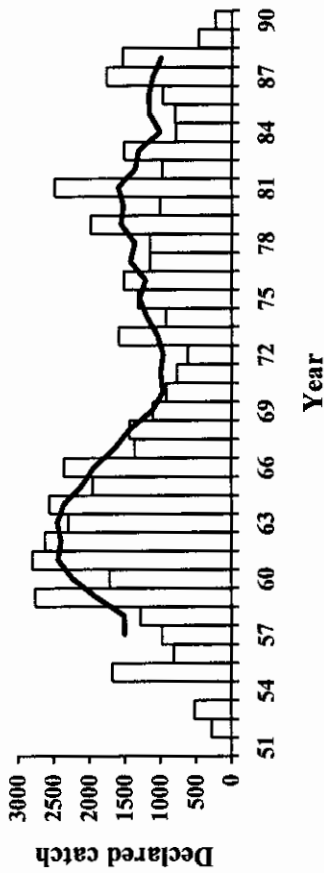


Figure 7.41 Declared net catch of salmon for the River Fowey

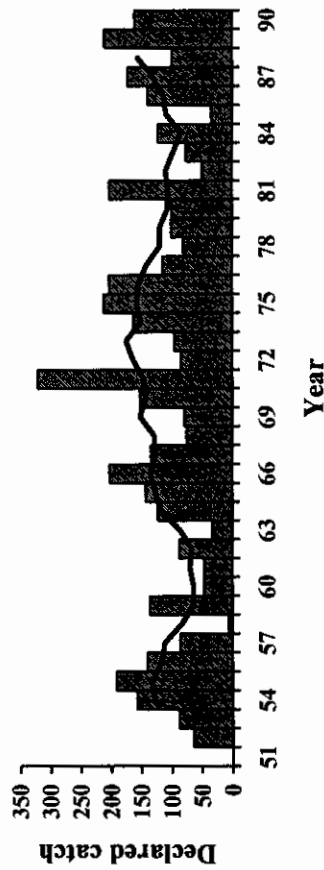


Figure 7.42 Declared net catch of migratory trout for the River Fowey

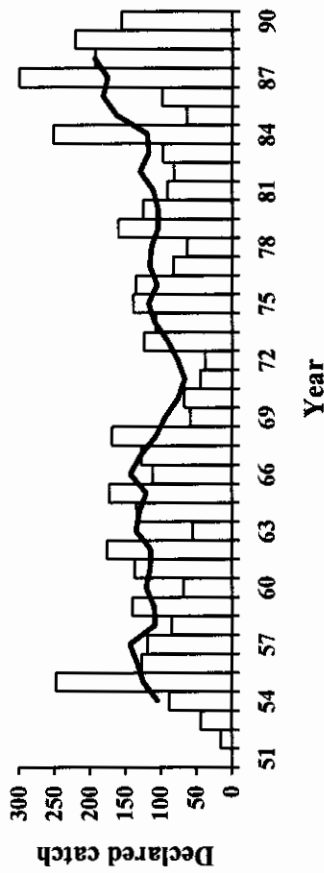


Figure 7.43 Declared rod catch of salmon for the River Camel

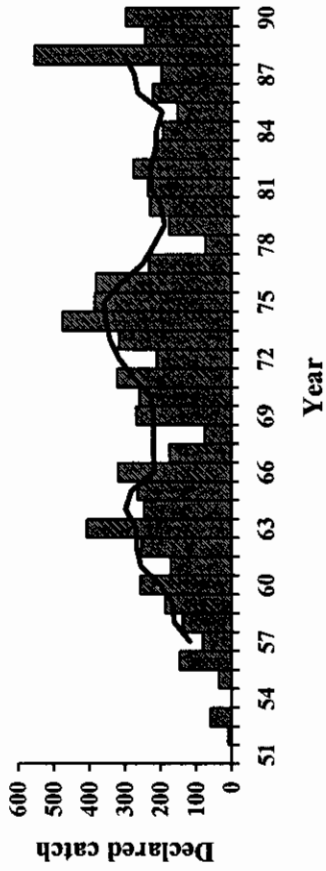


Figure 7.44 Declared rod catch of migratory trout for the River Camel

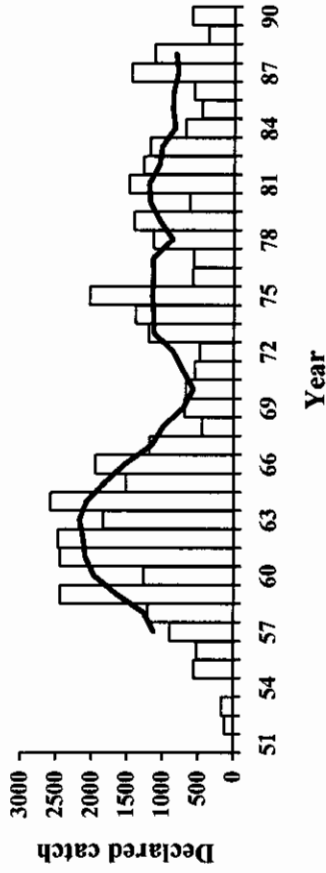


Figure 7.45 Declared net catch of salmon for the River Camel

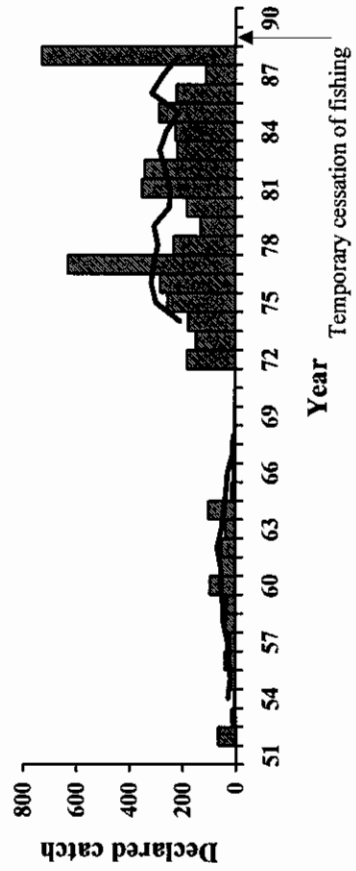


Figure 7.46 Declared net catch of migratory trout for the River Camel



Figure 7.47 Declared rod catch of salmon for the River Torridge

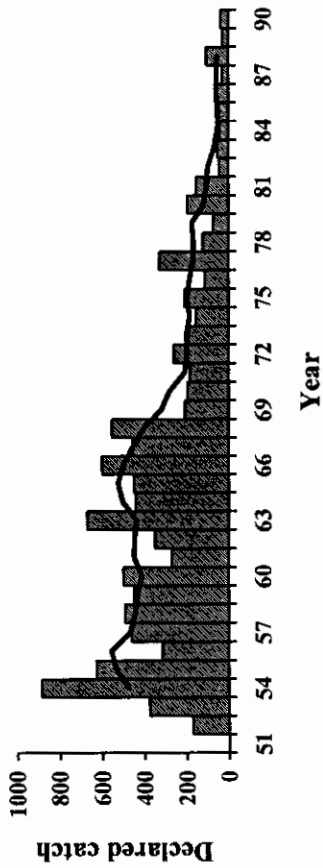


Figure 7.48 Declared rod catch of migratory trout for the River Torridge

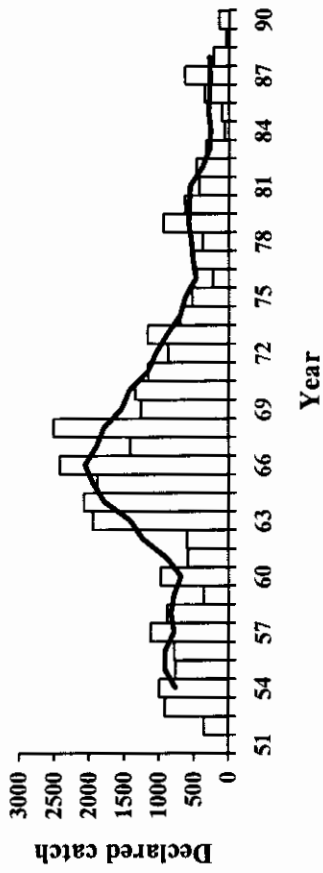


Figure 7.49 Declared rod catch of salmon for the River Taw

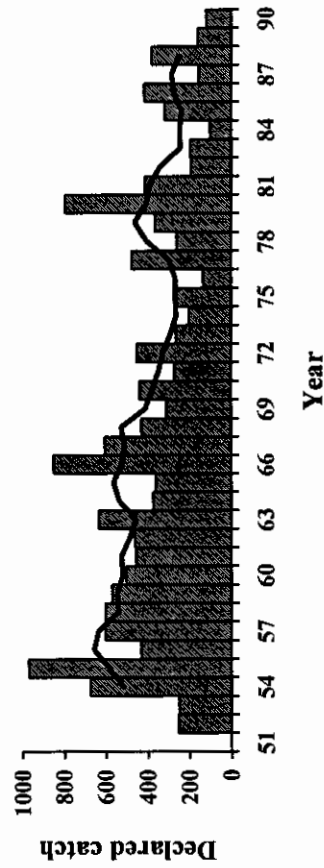


Figure 7.50 Declared rod catch of migratory trout for the River Taw

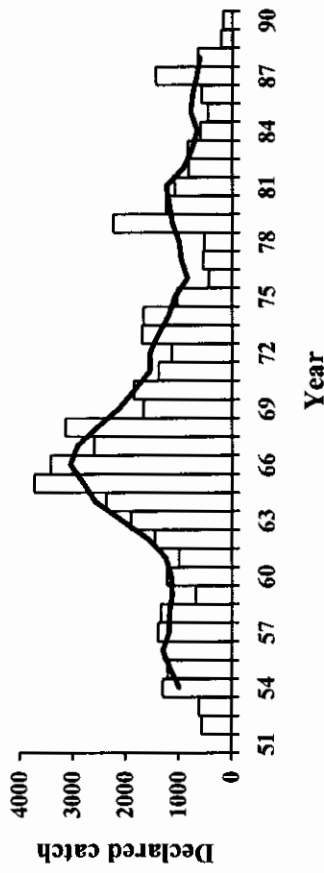


Figure 7.51 Declared net catch of salmon for the Rivers Taw and Torridge

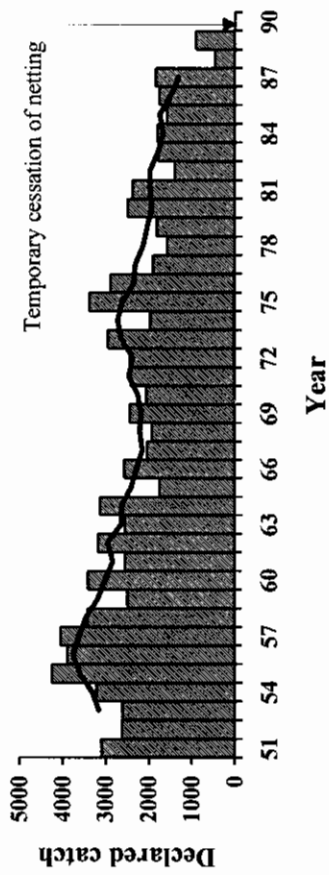


Figure 7.52 Declared net catch of migratory trout for the Rivers Taw and Torridge

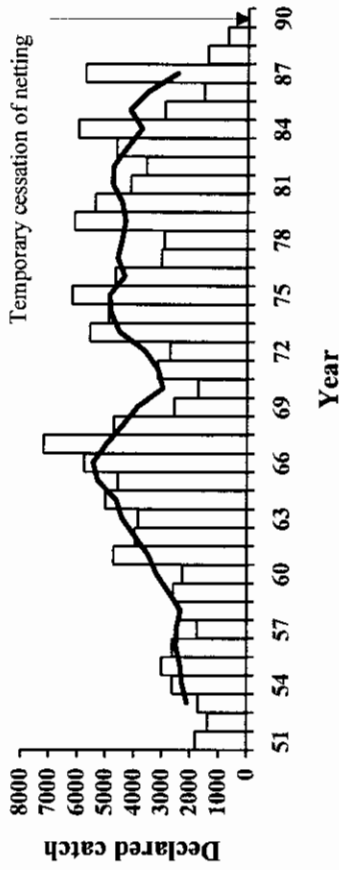


Figure 7.53 Declared rod catch of salmon for the River Lyn

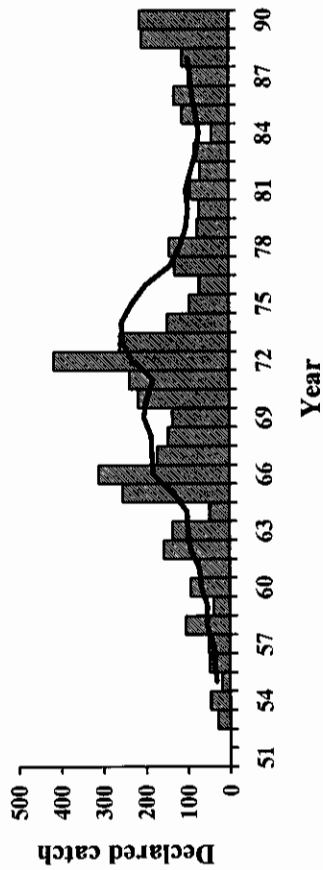


Figure 7.54 Declared rod catch of migratory trout for the River Lyn

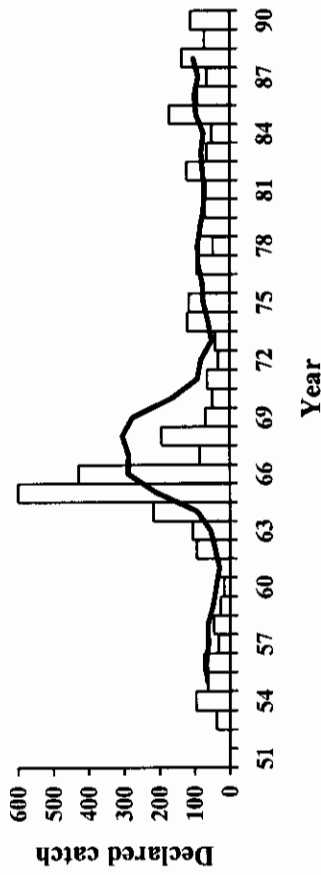


Figure 7.55 Declared fixed engine catch of salmon for the River Lyn

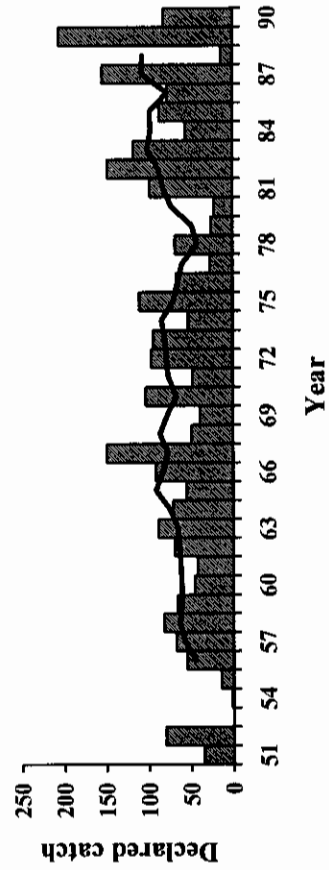
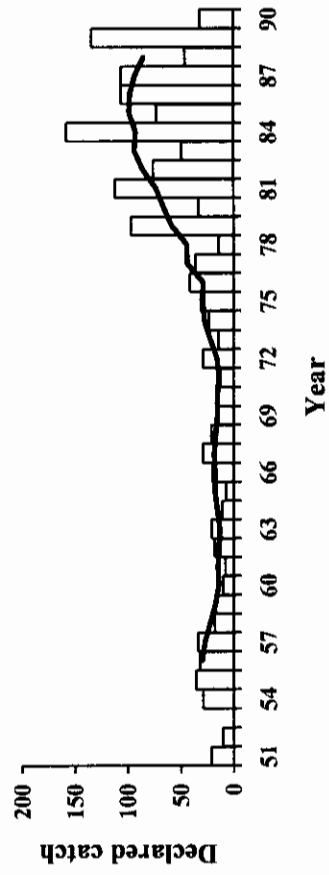


Figure 7.56 Declared fixed engine catch of migratory trout for the River Lyn



Note: The Lyn and Heddon catches have traditionally been aggregated. However since 1973 they have been reported separately (Tables 7.29 - 7.31)

Figure 7.57 Declared rod catch of salmon for the South West Region

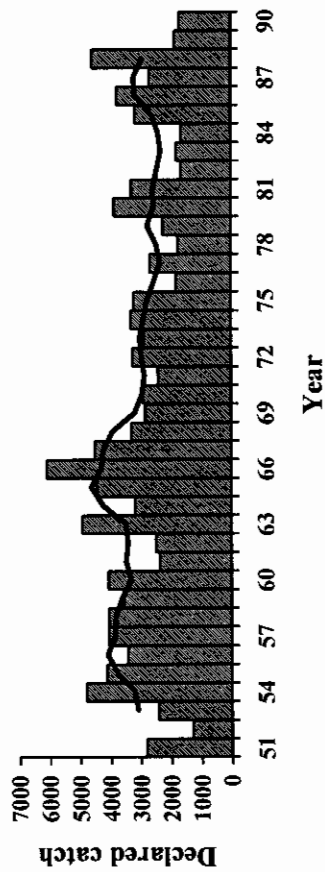


Figure 7.58 Declared rod catch of migratory trout for the South West Region

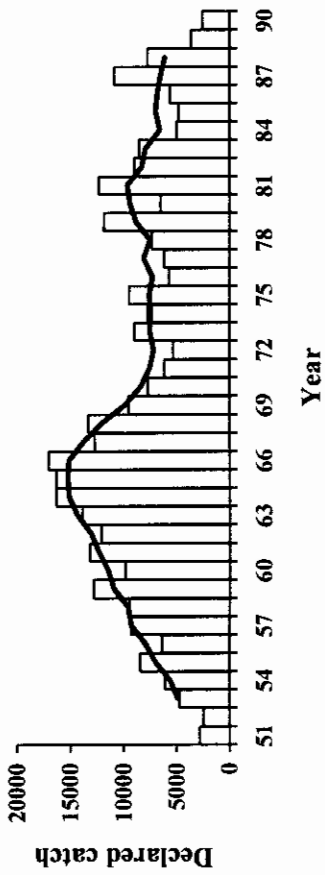


Figure 7.59 Declared net and fixed engine catch of salmon for the South West Region

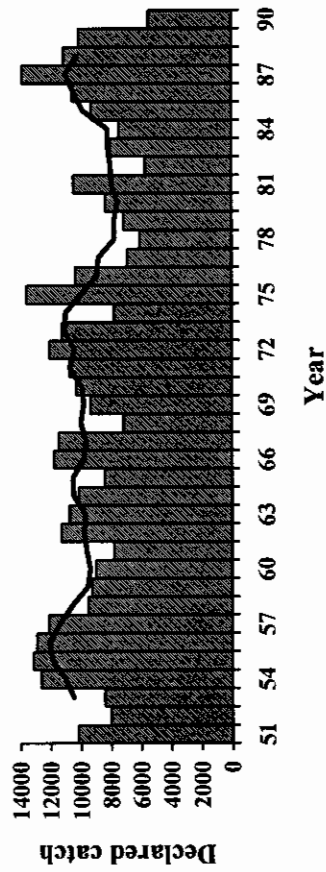
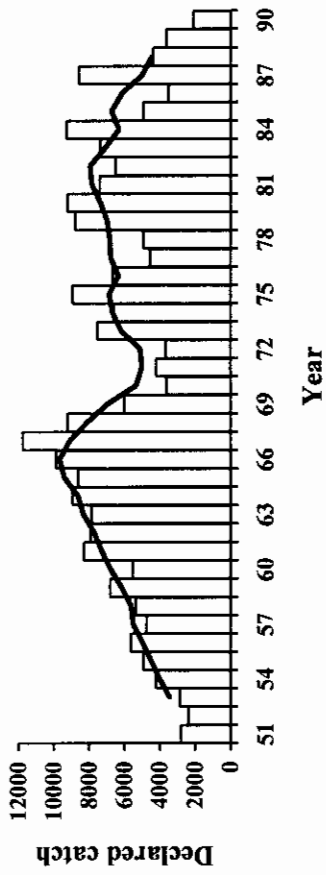


Figure 7.60 Declared net and fixed engine catch of migratory trout for the South West Region



8. SEVERN-TRENT REGION

For the period of this review fisheries in the Severn-Trent region were under the jurisdiction of the following organisations:

1951-64	Severn River Board Trent River Board
1965-73	Severn River Authority Trent River Authority
1974-88	Severn-Trent Water Authority
1989-90	National Rivers Authority – Severn-Trent region

Figure 8.1 illustrates the extent of the Severn-Trent region and identifies the fishery areas covered by this review.

8.1 Rod catch

Rod catch data for the Severn are presented in Table 8.1 and Figure 8.2.

8.1.1 *Description of the fisheries*

The Severn-Trent region has only one river supporting runs of salmon, the Severn. Sea trout are rarely caught in this river, and no attempt has been made to collate these sporadic occurrences. Between 1957 and 1964, MAFF co-ordinated a smolt tagging programme on the rivers Usk, Wye and Severn, in collaboration with the local River Boards. The results of this study revealed considerable mixing of these stocks within the various net and fixed engine fisheries operating in the Bristol Channel. However, only limited mixing of stocks was recorded for the rod fisheries. Salmon tagged during this investigation were also among the first to indicate that exploitation of fish from England and Wales took place in the West Greenland drift net fishery.

The River Trent has historically supported runs of salmon and sea trout, however, it was too polluted during most of the review period to sustain runs of migratory salmonids. Occasional sightings of salmon and sea trout in the river have been reported, and a small number of fish have been caught (2 in 1966, 1 in 1982 and 7 in 1989). These data have not been tabulated for this review.

8.1.2 *Changes in fishing effort*

No rod licence data have been presented in this review. However, data collected by the NRA indicate an increase in licence sales over the period, with sales in the 1950s being notably lower than in the rest of the period.

8.1.3 *Stocking*

A hatchery-based stocking programme commenced on the Severn in 1955, initially using ova from foreign stocks. The scale of the programme was reduced after the formation of the Severn-Trent Water Authority, but a single hatchery has continued to provide fish for stocking.

8.1.4 *Reporting procedures*

Data were derived from anglers' returns, as in other regions. Reporting procedures were believed to have been relatively consistent throughout the period, although the proportion of anglers making

returns has varied. In 1963, about 30% of anglers submitted catch returns, but, in more recent times, levels of reporting have been significantly higher (eg 85% in 1989 and 65% in 1990).

8.2 Net catch

Net and fixed engine catch and licence data are presented in Tables 8.1 and 8.2 and Figure 8.3.

8.2.1 Description of the fisheries

A variety of fishing methods, both nets and fixed engines, have been employed in the Severn estuary during the period. A number of seine nets (between 1 and 13) have been operated, mostly in the Newnham area, and a larger number (48 to 110) of lave nets (Appendix 1). The lave nets used on the Severn have been licensed on both a full- and part-season basis. Two other fishing instruments have been operated in the Severn estuary: putcher ranks and stop boats. Catches for both methods have traditionally been aggregated under fixed engines. Descriptions of the two fishing methods appear in Appendix 1.

8.2.2 Changes in fishing methods and fishing effort

The nets and fixed engines used in the River Severn have been in operation, largely unchanged, for many years. Some putchers are now made of plastic-coated steel wire instead of woven wood, but no significant change in fishing efficiency is thought to have occurred as a consequence. No other notable changes in fishing methods have occurred. However, the number of licences issued has shown some variation. Numbers of seine nets were reduced between 1954 and 1963 and lave net numbers have fluctuated considerably from year to year. Data for the numbers of fixed engines were incomplete in the early period, although from 1962, year to year changes have been relatively minor, but with a moderate increase from 1981.

8.2.3 Reporting procedures

During the review period, data have been collated from the netsmen's catch returns, with a very high proportion of netsmen submitting returns throughout. Data for the putcher ranks and stop net boats have been aggregated and reported as fixed engines, otherwise data have been available by method of capture.

Minor changes in reporting procedures resulted in no weight breakdowns by method of capture being available in the years 1961 and 1962. Thereafter, mean weights of the different size classes of the catch were used to derive an estimate of the catch weight.

The total number of fixed engine ranks was not available between 1951 and 1958 and 1960 to 1961, although full details of the numbers of individual putts, putchers, leaders and stop nets were recorded for these periods. A breakdown of all the fixed engine 'components' for the whole review period are included in Table 8.2.

Some of the putcher ranks operated in the Severn estuary, have been owned by the River Wye fishery authority, and were leased from them on an annual basis. Catches made by these instruments have been recorded with the rest of the Severn catch throughout the review period.

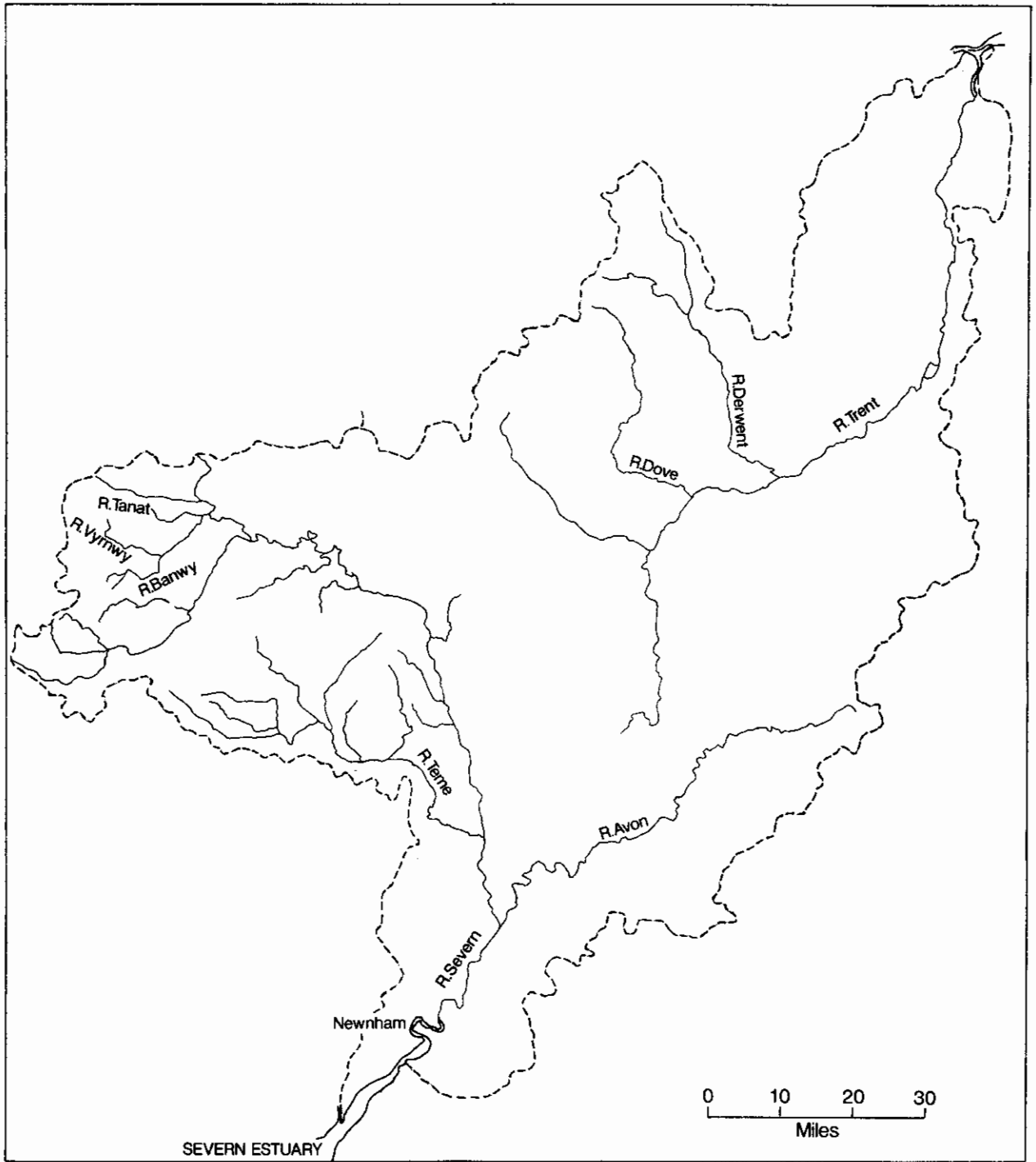


Figure 8.1 Severn Trent Region - river systems

Table 8.1 River Severn - salmon

YEAR	LAVE NETS (a)		SEINE NETS		FIXED ENGINE RANKS (b)		TOTAL (NETS & FIXED ENGINES)		ROD CATCH		TOTAL CATCH	
	LIC	NO	LIC	NO	LIC	NO	LIC	NO	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	51	1050	5	351	-	2029	-	3430	542	8286	3972	51704
1952	61	1012	6	380	-	2160	-	3552	557	8984	4109	52970
1953	48	1199	4	434	-	2060	-	3693	455	7444	4148	55816
1954	59	1387	2	299	-	2385	-	4071	763	11958	4834	65596
1955	65	1038	1	59	-	1369	-	2466	1038	16988	3504	52288
1956	71	1821	2	76	-	2496	-	4393	707	11264	5100	68338
1957	75	1708	2	77	-	2424	-	4209	796	11956	5005	64068
1958	75	1460	4	145	-	1926	-	3531	1070	17314	4601	61756
1959	85	1709	2	219	-	2185	-	4113	1014	16077	5127	69671
1960	89	1505	2	62	-	2011	-	3578	754	13660	4332	60798
1961	76	1060	2	127	-	1605	-	2792	768	11673	3560	48248
1962	80	1541	2	190	-	2746	-	4477	743	9887	5220	58393
1963	76	949	2	122	-	2190	-	3261	751	10923	4012	50660
1964	72	822	2	294	-	1999	-	3115	417	6228	3532	42120
1965	60	1136	3	274	-	2250	-	3660	415	6291	4075	49310
1966	54	780	4	459	-	1956	-	3195	1024	13576	4219	49646
1967	68	1226	4	407	-	2075	-	3708	1602	23850	5310	70244
1968	57	744	4	180	-	1137	-	2061	501	5181	2562	29378
1969	52	760	4	462	-	1393	-	2615	435	5853	3050	38007
1970	63	1076	4	757	-	1607	-	3440	467	5908	3907	41842
1971	59	1328	5	651	-	1650	-	3629	816	9363	4445	47456
1972	69	1369	5	638	-	2460	-	4467	2071	25866	6538	72470
1973	78	1536	5	850	-	1501	-	3887	1395	16290	5282	57677
1974	72	1063	5	735	-	1354	-	3152	682	7218	3834	38103
1975	85	1248	5	1178	-	1407	-	3833	1359	15579	5192	59321
1976	92	1138	5	413	-	1643	-	3194	543	6051	3737	41497
1977	104	795	6	647	-	1151	-	2593	1371	16250	3964	43341
1978	99	895	5	129	-	1303	-	2327	929	10843	3256	37064
1979	84	384	5	100	-	920	-	1404	536	5870	1940	25630
1980	99	1135	6	281	-	1788	-	3204	1121	10868	4325	41820
1981	95	1119	6	358	-	2537	-	4014	1821	19534	5835	63436
1982	85	612	7	163	-	963	-	1738	775	9117	2513	27162
1983	81	911	7	574	-	1214	-	2699	973	11219	3672	32668
1984	85	1085	13	435	-	1856	-	3376	546	6381	3922	38632
1985	82	664	9	108	-	1651	-	2471	1256	14398	3679	39099
1986	72	752	8	296	-	2252	-	3300	1254	14374	4554	47490
1987	66	722	7	181	-	2060	-	2963	929	10582	3892	40565
1988	59	617	7	146	-	2748	-	3511	1338	12492	4849	41908
1989	52	1040	6	502	-	2822	-	4364	78	7458	5015	45552
1990	64	880	9	319	-	3198	-	4397	357	3926	4754	47329

Key: (a) Lave net licences are issued for both full- and half-seasons, catches are not reported separately.

(b) Various instruments make up the fixed engine ranks used in the river Severn, full details are given in Table 8.2.

* Denotes changes from data published elsewhere by MAFF.

Note: Migratory trout are rarely caught in the river Severn. Catches have not been recorded.

Table 8.2 River Severn - fixed engine licences

YEAR	FIXED ENGINE 'COMPONENTS'				TOTAL FIXED ENGINE RANKS
	PUTTS	PUTCHERS	LEADERS	STOP NETS	
1951	197	5561	12	4	-
1952	191	5561	12	4	-
1953	197	5561	12	3	-
1954	193	5152	12	3	-
1955	207	5352	13	2	-
1956	215	5352	15	2	-
1957	186	5022	14	3	-
1958	183	6072	14	2	-
1959	181	5221	14	3	-
1960	178	5181	14	3	-
1961	82	5252	11	3	-
1962	27	5047	5	3	18
1963	11	4602	5	3	14
1964	45	4749	5	3	16
1965	19	4970	5	2	16
1966	19	4320	4	2	16
1967	10	4197	3	3	16
1968	10	3905	3	2	15
1969	10	3997	3	2	16
1970	8	4047	3	0	15
1971	8	3810	3	2	18
1972	8	4227	3	2	18
1973	21	3757	4	4	16
1974	17	3867	0	4	18
1975	31	3770	0	4	16
1976	15	4240	0	4	19
1977	12	5640	0	3	18
1978	10	6150	0	3	18
1979	10	5965	0	2	18
1980	3	5815	0	3	16
1981	6	6906	0	2	18
1982	0	6500	0	2	18
1983	1	6100	17	1	19
1984	3	5050	5	2	19
1985	2	4781	19	0	16
1986	2	4561	18	0	16
1987	2	4011	18	0	16
1988	0	4671	18	0	16
1989	0	5085	13	0	20
1990	0	4849	18	1	16

Figure 8.2 Declared rod catch of salmon for the River Severn

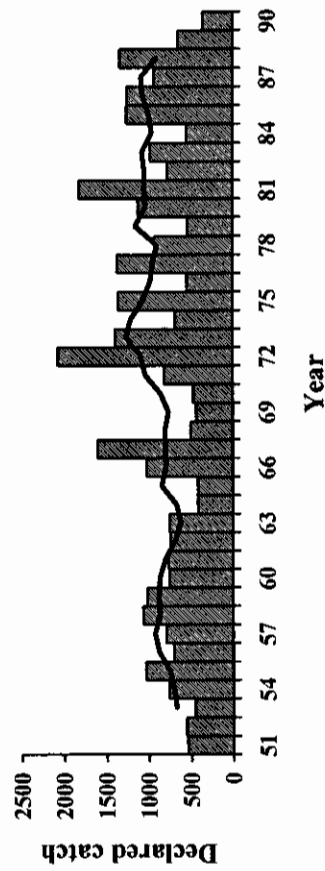
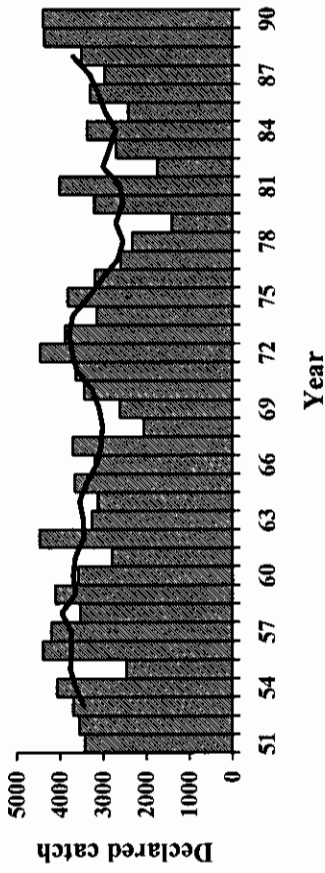


Figure 8.3 Declared net catch of salmon for the River Severn



9. WELSH REGION

For the period of this review fisheries in the Welsh region were under the jurisdiction of the following organisations:

1951-64	Wye River Board Usk River Board Glamorgan River Board South West Wales River Board Gwynedd River Board Dee and Clwyd River Board
1965-73	Wye River Authority Usk River Authority Glamorgan River Authority South West Wales River Authority Gwynedd River Authority Dee and Clwyd River Authority
1974-88	Welsh National Water Development Authority, later Welsh Water Authority
1989-90	National Rivers Authority – Welsh region.

A review of historical catches (1952-79) in the Welsh region has already been published (Welsh Water, 1981). The data presented in this review, however, cover a longer time-span, and include some corrections from the previously published data.

Figure 9.1 illustrates the extent of the Welsh region and identifies the rivers and fishery areas covered by this review.

9.1 Rod catch

Rod catch data for the Welsh region are included in Tables 9.1 to 9.62 and Figures 9.2 to 9.93 and are summarised in Table 9.63 and Figures 9.96 to 9.97.

9.1.1 *Description of the fisheries*

The Welsh region has a large number of rivers supporting runs of migratory salmonids and normally accounts for approximately half of the declared annual rod catch of salmon and sea trout in England and Wales. Both species are widespread throughout the region, with the exception of some rivers running through the industrialised south-east area, which have generally been too polluted to support runs of fish during the review period. However, even some of these rivers were showing signs of recovery towards the end of the period. Although catches of sea trout on the Wye, Usk and Dee are low, on the latter two rivers stocks are likely to be significant. For example, on the Dee in 1992, 911 sea trout were captured at Chester Weir Trap. In some smaller rivers sea trout predominate.

The Welsh region has a few large rivers, most notably the Wye, Usk, Tywi, Teifi and Dee but is otherwise characterised by a large number of relatively short 'spatey' rivers.

9.1.2 Changes in fishing effort

In their review of historic catches in the Welsh region (Welsh Water, 1981) an attempt was made to derive an index of rod fishing effort from licence sales. This was based on a scale of relative effort indices for each licence category. These data confirmed an increase in angling effort over the review period and were also used by Welsh Water Authority to provide estimates of catch per unit of effort (CPUE).

Byelaw changes have altered rod fishing seasons during the review period for some rivers in the region. In 1957, the season was extended for part of the River Wye, with the closing date moving from 1 to 26 October. In 1956, the rod close season was also changed in the Gwynedd area.

9.1.3 Stocking

Stocking programmes were initiated in most of the fishery districts in the Welsh region at some time during the review period. Records of stocking are well documented in various Welsh Water Authority Reports for the period 1974 to 1985 and prior to 1974 in various River Authority annual reports. However, it is generally not clear what impact these initiatives had upon the various stocks affected. In some instances, tagging programmes were run in conjunction with stocking. The best documented of these was the smolt tagging programme at Cynrig hatchery on the River Usk. These fish were reared by the Central Electricity Generating Board from 1966 to mitigate for smolts lost on the intake screens at Uskmouth power station. The tagging studies revealed exploitation of Usk stocks at Greenland and off the west coast of Ireland, as well as in a number of home-water net fisheries around the Bristol Channel and in local rod fisheries. Occasional tagged fish were also recovered from other locations such as the River Dee and Scotland. Tag return rates were low and showed marked annual variation. In addition, wild smolts from the Usk, Wye and Severn were also tagged for a period (as reported in Section 8.1.1).

9.1.4 Reporting procedures

Data have largely been derived from anglers' catch returns, but some exceptions have occurred during the period. Varying procedures have applied in different areas of the Welsh region:

For the River Wye, accurate catch records maintained by the fishery owners have been more complete than the rod catches declared by anglers. These data have therefore been used in compiling this review.

In the Glamorgan area, catches of migratory salmonids were infrequent, particularly during the early part of the review period. The proportion of anglers making catch returns has been very low, and data for this area were derived from bailiffs' reports in many early years. In addition, sea trout rod returns were not required from anglers before 1953.

In the South West Wales area, the reported rod catches were supplemented with data from bailiffs' reports, as levels of reporting by anglers were frequently low. Prior to 1956, catch data were aggregated either for the whole area (1951), or for the Tywi and Teifi districts (1952 to 1955). However, data for this period were regarded as unreliable and have not been included in the tables. Sea trout catch returns were not required from anglers in the South West Wales area before 1972.

In the Gwynedd area, data have been derived solely from anglers' returns, although some changes in reporting procedures have occurred. Prior to 1956, rod catches were aggregated into five regional

sub-totals, although data were not available for one of these regions (Ogwen, Aber and N. Anglesey) in 1951. After 1956, data were generally recorded by river of capture, but weight data were not always complete. Catches for certain smaller rivers were aggregated with larger rivers in the vicinity; such occurrences have been annotated accordingly in the tables.

For the Dee and Clwyd area, the data presented have been derived from a mixture of catch returns and the routine weekly reports submitted by bailiffs. Until 1976, data for the River Clwyd were derived entirely from such reports, and were frequently adjusted to allow for undeclared and unseen catches. In addition, the weight of fish caught was often estimated from the mean weights of landed fish. Data for the River Dee were also obtained from bailiff reports in many earlier years. Rod caught sea trout were first reported for the Dee in 1975, however, catches of this species have always represented only a very minor component of the Dee catch.

Various regional changes in rod licences occurred during the period, and in 1976 the rod licensing structure for the whole Welsh region was changed. The effect of these changes on the levels of reporting and accuracy of the data is not known. Reminders were first issued throughout the region in 1976. From this time, improved reporting rates by anglers were noted. Catches throughout the region were based entirely on anglers' returns from 1976, with the continued exception of the Wye, for which the owners returns were still used.

9.2 Net catch

Catch data for nets and fixed engines are included in Tables 9.2 to 9.61 and Figures 9.2 to 9.95 and are summarised in Table 9.63 and Figures 9.98 to 9.99.

9.2.1 Description of the fisheries

A wide variety of fishing techniques have been employed for taking salmon in the Welsh region, some of which are unique to the area and have local names. A number of the fisheries have operated outside estuary mouths, along the coast, and are believed to have exploited fish from a number of stocks.

Seine (draft) nets have been the most commonly used fishing method during the period, and have been utilised in many rivers in the South West Wales and Gwynedd areas and in the Dee.

Drift nets have operated in the Bristol Channel off the River Usk and, for a short spell at the start of the review period, also off the River Rhymney. Drift nets, known locally as sling nets, have also operated in the Clwyd estuary, mostly in the vicinity of Rhyl. Armoured drift, or trammel, nets have also been used, both on the Dee estuary and in the Bristol Channel off the mouth of the River Wye. The latter nets were called tuck nets. Coracle nets, short trammels operated from coracles, were used on the rivers Tywi, Taf and Teifi during the period. This method of operation is unique to Wales.

Other netting methods used in Wales include: wade nets along parts of the South West Wales coast and in the vicinity of the River Taf, lave (dip) nets on the Wye, and compass (stop) nets on the River Wye and in the estuary of the rivers East and West Cleddau.

A variety of fixed engines have also been used for taking salmon in the Welsh region. These have included putcher ranks on both the rivers Wye and Usk in the Bristol Channel, and fixed traps in the Gwynedd area, on the River Conwy. Descriptions of the various net and fixed engines used in Wales, and their mode of operation, are included in Appendix 1.

9.2.2 Changes in fishing methods and fishing effort

There are not thought to have been any significant changes in fishing methods or effort on the River Wye prior to the cessation of netting by all methods, except lave nets, in 1985.

On the River Usk, the number of licensed drift nets has fallen over the period. In 1951, the NLO stood at 16 nets, although this was subsequently reduced to 8, following confirmation of a new NLO in 1957. The number of nets remained at this level for the rest of the period. Further byelaws have also affected fishing on the Usk: in 1954, a byelaw was confirmed permitting an increase in the length of drift nets from 100 to 300 yards, and in 1962 the annual close season was increased for both putchers and drift nets, the season closing on 15 August instead of 1 September. The weekly close time for drift nets was also extended from 48 to 60 hours at this time. The Usk putcher ranks have operated to the east of the Usk estuary, in the Bristol Channel and, like the drift nets, have undoubtedly exploited fish from a number of stocks. The number of putcher ranks peaked at 5 between 1959 and 1961, and subsequently declined, reducing to 1 rank only for the years 1978 to 1979 and 1986 to 1990. The construction and mode of operation of the putcher ranks are not thought to have varied significantly over the review period, however, drift net efficiency is likely to have improved with the advent of synthetic netting twines in the 1960s.

No major changes in fishing methods are believed to have occurred in the South West Wales area during the review period. The numbers of netting licences issued on the rivers Tywi, Teifi and Taf have remained fairly constant, but elsewhere changes in fishing patterns were noted. On the estuary of the East and West Cleddau rivers (Daucleddau) seine nets operated for only part of the period, between 1965 and 1973, although catches were only reported in some of these years. On the River Nevern, seine netting only occurred in 1959, 1963 and from 1977 on. In addition, substantial variation was noted in the number of licences issued for the South West Coastal fishery over the period. The number of seine net licences issued for this fishery rose sharply in 1974, although fell again towards the end of the period. The number of wade nets also fluctuated widely, showing a more marked increase from 1984.

There appear to have been few changes in fishing methods and effort in the Gwynedd area over the review period. The number of net and fixed engine licences has remained fairly constant, with probably the most notable reduction occurring on the River Conwy, where seine net licences have fallen from 9 in the 1950s to 6 or under from 1962, and one of the two fixed engines on this river was not used after 1973. On the River Dwyryd, the single seine net ceased to be operated from 1984. Seine nets used on the River Dyfi utilised monofilament yarns from the late 1970s, and netting efficiency is thought to have increased as a result.

In the Dee and Clwyd area, commercial licence numbers have remained fairly constant over the period, however, as for the River Dyfi, monofilament yarns were used in the Clwyd sling nets from the early 1970s. The efficiency of these nets was believed to have increased from this time.

The use of monofilament and monoplies nets was banned throughout the Welsh region, under the terms of a byelaw approved in January 1983. On the rivers Dyfi and Clywd where monofilament nets were extensively used, netsmen were allowed a 'phasing out' period and did not need to replace such nets until the start of the 1987 season.

9.2.3 Reporting procedures

Data presented in these tables have largely been derived from netsmen's returns, with the notable exception of the Wye district. Netting rights on the River Wye were owned by the Authority

throughout the review period, and fishing was carried out chiefly by Authority personnel. Catches have thus been accurately reported. Some of the Wye district fishing rights located in the Severn estuary have been leased to the Severn-Trent region. Catches for these instruments have been recorded with catches for the River Severn and are not included here. No significant changes in reporting procedures are thought to have occurred in the Wye district during the period. However, all nets and fixed engines, with the exception of lave nets, ceased to operate on the River Wye from the 1985 season.

For the Usk, net and fixed engine catches were not available by method of capture before 1953, and data for sea trout were not given before 1954. Data were derived from netsmen's returns. In the South West Wales area, there were some reporting anomalies in the early part of the period. For 1951, catches were aggregated for the whole area and for 1952 to 1955 for the Tywi and Teifi districts. However, data for these years were believed to be unreliable and, as for the rod data, have not been included in the tables.

In the Gwynedd area, net data were derived from netsmen's catch returns. Changes in reporting procedures before 1956 applied to both net and rod fisheries and details are given in Section 9.1.4. In addition, between 1952 and 1966, net catches for N. Anglesey were aggregated and recorded with the River Ogwen and data for the Caernarvonshire area were only available as a district total until 1967 (excepting 1963).

Net catch data for the River Dee have been based entirely on catch returns, although comparison with bailiff reports suggests the former were inaccurate, particularly in the early part of the review period. Data for sea trout for the Dee were incomplete prior to 1968, however, relatively few fish of this species are caught on this river. For the period 1951 to 1966 inclusive, net catch data for the River Clwyd were aggregated and reported for salmon and sea trout combined. These data have not been included in the tables.

It is widely believed that catch reporting procedures have improved towards the end of the review period in the Welsh region. From 1983, netsmen were required to make monthly catch returns, within 7 days of the end of each month, instead of the previous annual catch return at the end of each season.

The tables have been annotated, where appropriate, to record the above reporting anomalies.

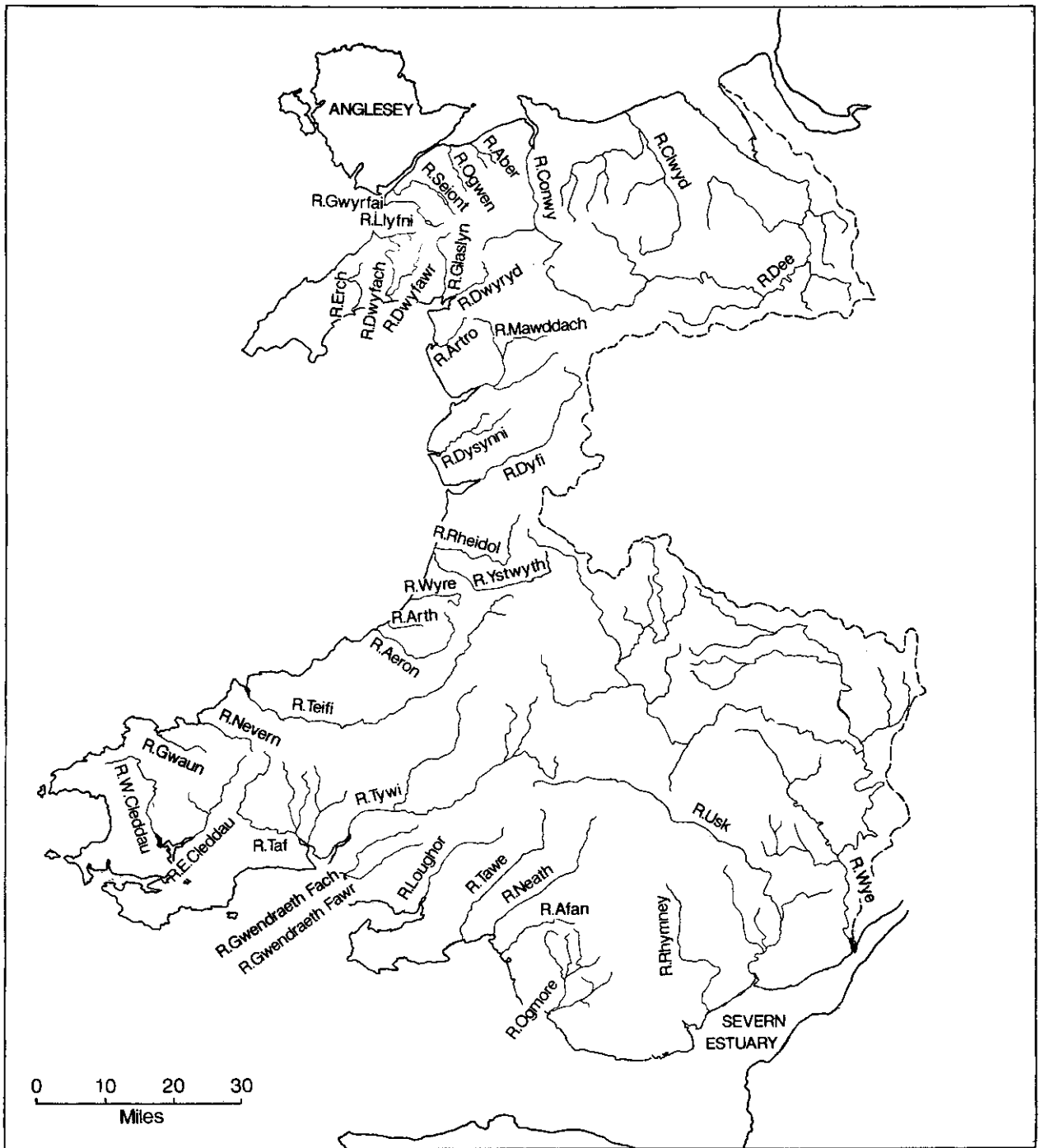


Figure 9.1 *Welsh Region - river systems*

Table 9.1 River Wye - salmon

YEAR	TRAMMEL (TUCK) NETS		STOP NETS		LAVE NETS		TOTAL (NETS & FIXED ENGINES)		ROD CATCH (a)		TOTAL CATCH	
	LIC	NO	LIC	NO	LIC	NO	LIC	NO	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	1	230	9	1110	9	32	19	1372	4116	60429	5488	74603
1952	1	237	9	733	9	40	19	1010	4523	68870	5533	80696
1953	1	154	9	727	9	20	19	901	3071	48868	3972	58927
1954	2	350	9	752	9	38	20	1140	4774	65792	5914	79220
1955	2	247	9	286	9	39	20	572	4045	62222	4617	69241
1956	2	265	9	516	9	58	20	839	2082	26178	2921	45782
1957	2	319	7	1089	7	33	18	1441	2733	35589	4174	50733
1958	2	449	7	696	9	25	18	1170	3619	51352	4789	62623
1959	2	169	7	592	9	42	18	803	2845	40400	3648	49381
1960	2	251	7	626	9	10	18	887	2677	39377	3564	49264
1961	2	77	7	207	9	8	18	292	2056	32742	2348	35824
1962	1	156	7	502	9	9	17	667	3158	43153	3825	48115
1963	1	206	7	286	9	10	17	582	4505	60301	5007	65145
1964	1	134	7	432	9	16	17	582	3667	52180	4249	58023
1965	1	108	7	301	9	19	17	428	4171	58222	4599	61746
1966	1	198	7	280	9	12	17	490	6991	96876	7481	101937
1967	1	310	6	282	9	16	16	608	7864	124696	8472	130181
1968	1	153	4	65	9	15	14	233	3902	51061	4135	53280
1969	1	422	4	276	9	21	14	719	4673	60728	5392	66455
1970	1	147	4	792	9	11	14	950	3955	48565	4905	56766
1971	1	218	4	674	9	18	14	910	5094	58324	6004	65752
1972	1	300	4	487	9	21	14	808	7433	96488	8241	103047
1973	1	351	4	809	9	50	14	1210	5542	75147	6752	85758
1974	1	170	4	965	9	32	14	1167	5758	62346	6925	72253
1975	1	249	6	1555	10	147	17	1951	6796	80790	8747	97538
1976	1	150	6	863	10	87	17	1100	2096	27400	3196	38349
1977	2	559	6	435	10	63	18	1057	5182	58892	6239	68740
1978	2	452	6	320	10	45	18	817	5050	66557	5867	75535
1979	2	149	4	61	10	17	16	227	2135	25037	2362	26925
1980	2	456	5	166	10	26	17	648	4195	43054	4843	49650
1981	2	569	6	271	10	22	18	862	5693	68325	6535	77191
1982	2	223	6	196	10	19	18	436	2228	26917	2666	31277
1983	1	135	6	236	7	35	14	406	2460	28144	2866	31445
1984	1	144	5	333	9	18	15	495	1263	16571	1758	21765
1985 (b)					9	2	9	2	3613	37544	3615	37588
1986					8	10	8	10	3832	43177	3842	43263
1987 *					9	11	9	11	3214	33135	3225	33256
1988 *					9	19	9	19	6454	57453	6473	57607
1989					9	0	9	0	2300	23710	2300	23710
1990					9	31	9	31	1757	18816	1788	19122

Note: During the review period, a number of Wye district fixed engines were fished in the Severn estuary. Catches for these instruments (the Beachley stop net (1951-68), and 2 to 3 putcher ranks (1951-82)), were reported to the river Severn authorities and are included in Table 8.1.

(a) In contrast to all other rivers, rod data for the Wye are from fishery owner's returns, not angler's returns; the former are considered to be more complete.

(b) All nets and fixed engines, except lave nets, were prohibited on the river Wye from 1985.

(c) Incomplete catch return.

* Denotes years in which data differ from that published elsewhere by MAFF.

Table 9.2 River Wye - migratory trout

YEAR	ROD CATCH	
	NO	WEIGHT (LBS)
1951-75	--	No catch recorded --
1976	4	8
1977	0	0
1978	13	127
1979	9	39
1980	0	0
1981	0	0
1982	0	0
1983	16	46
1984	17	40
1985	68	342
1986	29	115
1987	54	137
1988	58	300
1989	12	62
1990	29	51

Note: Few, if any, migratory trout were caught by nets or fixed engines during the review period, and no returns have been made.

Table 9.3 River Usk - salmon

YEAR	NET & FIXED ENGINE CATCH										ROD CATCH		TOTAL CATCH		
	DRIFT NETS		PUTTS/PUTCHERS				NETS + FIXED ENGINES				NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)						
1951	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1952	16	1067	-	3	708	-	19	1775	20896	1393	17113	3168	38009		
1953	16	1122	10417	3	576	5362	19	1698	15779	835	9423	2533	25202		
1954	15	1198	12346	3	503	4892	18	1701	17238	1530	16132	3231	33370		
1955	15	1194	12656	4	505	5606	19	1699	18262	1070	12171	2769	30433		
1956	15	594	5940	3	388	3298	18	982	9238	781	7580	1763	16818		
1957	8	544	5712	3	359	3361	11	903	9073	469	5060	1372	14133		
1958	8	521	5553	4	282	2397	12	803	7950	889	9064	1692	17014		
1959	8	601	6579	5	405	4122	13	1006	10701	565	6215	1571	16916		
1960	8	562	5244	5	519	5415	13	1081	10659	374	4114	1455	14773		
1961	8	466	5190	5	372	3721	13	838	8911	327	3597	1165	12508		
1962	8	737	7186	4	666	5661	12	1403	12847	923	9691	2326	22538		
1963	8	647	6794	4	630	6143	12	1277	12937	895	10061	2172	22998		
1964	8	956	8504	4	643	5902	12	1599	14406	775	8738	2374	23144		
1965	8	876	8281	4	849	8333	12	1725	16614	1412	13468	3137	30082		
1966	8	775	8202	4	1110	12214	12	1885	20416	1953	22670	3638	43086		
1967	8	631	6271	4	823	7138	12	1454	13409	1185	14275	2639	27684		
1968	8	721	7777	4	737	7350	12	1458	15127	975	9055	2433	24182		
1969	8	1063	11207	4	1208	11062	12	2271	22269	587	6368	2858	28637		
1970	8	1004	9877	4	1004	8236	12	2008	18113	729	6951	2737	25064		
1971	8	971	9200	4	1044	8911	12	2015	18111	1054	9901	3069	28012		
1972	8	1326	13932	2	972	9324	10	2298	23256	1153	12819	3451	36075		
1973	8	1158	11168	2	903	8365	10	2061	19533	805	8292	2866	27825		
1974	8	1332	14864	2	763	6982	10	2095	21846	830	7424	2925	29270		
1975	8	1264	13106	2	786	6869	10	2050	19975	498	5129	2548	25104		
1976	8	871	7679	2	350	3278	10	1221	10957	160	1669	1381	12626		
1977	8	767	6816	2	286	2571	10	1053	9387	377	3612	1430	12999		
1978	8	954	9696	1	429	4290	9	1383	13986	478	5025	1861	19011		
1979	8	799	7506	1	212	1692	9	1011	9198	345	3245	1356	12443		
1980	8	1267	12225	3	692	5838	11	1959	18063	799	7136	2758	25199		
1981	8	1774	17487	3	1517	16596	11	3291	34083	874	8635	4165	42718		
1982	8	962	9213	3	469	4920	11	1431	14133	447	4140	1878	18273		
1983	8	757	6818	3	286	3511	11	1043	10329	481	4507	1524	14836		
1984	8	689	7090	3	0 *	0	11	689	7090	155	1384	844	8474		
1985	8	1656	17185	3	0 *	0	11	1656	17185	831	6647	2487	23832		
1986	8	1290	12449	1	665	6812	9	1955	19261	561	4914	2516	24175		
1987	8	1579	12877	1	526	4841	9	2105	17718	328	2758	2433	20476		
1988	8	1807	16127	1	762	6157	9	2569	22284	1385	10516	3954	32800		
1989	8	1893	18578	1	534	5377	9	2427	23955	326	3106	2753	27061		
1990	8	1827	21885	1	326	4004	9	2153	25889	265	2172	2418	28061		

Key: * Denotes incomplete returns.

Table 9.4 River Usk - migratory trout

YEAR	NET & FIXED ENGINE CATCH										ROD CATCH		TOTAL CATCH		
	DRIIFT NETS		PUTTS/PUTCHERS				NETS + FIXED ENGINES				NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)						
1951	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1952	16	-	-	3	-	-	19	-	-	-	26	112	-	-	-
1953	16	-	-	3	-	-	19	-	-	-	9	42	-	-	-
1954	15	19	160	3	54	225	18	73	385	18	18	64	91	449	449
1955	15	7	63	4	79	340	19	86	403	43	43	149	129	552	552
1956	15	56	476	3	97	485	18	153	961	7	7	23	160	984	984
1957	8	11	93	3	31	186	11	42	279	7	7	28	49	307	307
1958	8	5	50	4	38	114	12	43	164	46	46	107	89	271	271
1959	8	7	70	5	44	194	13	51	264	6	6	-	57	-	-
1960	8	10	90	5	30	120	13	40	210	16	16	48	56	258	258
1961	8	12	72	5	47	146	13	59	218	34	34	119	93	337	337
1962	8	19	114	4	73	365	12	92	479	32	32	112	124	591	591
1963	8	39	312	4	41	205	12	80	517	18	18	47	98	564	564
1964	8	61	427	4	16	64	12	77	491	32	32	94	109	585	585
1965	8	28	257	4	8	53	12	36	310	43	43	137	79	447	447
1966	8	16	156	4	12	78	12	28	234	55	55	125	83	359	359
1967	8	29	222	4	26	120	12	55	342	45	45	123	100	465	465
1968	8	57	454	4	58	307	12	115	761	18	18	39	133	800	800
1969	8	28	240	4	74	442	12	102	682	35	35	67	137	749	749
1970	8	17	131	4	26	126	12	43	257	14	14	48	57	305	305
1971	8	12	92	4	53	277	12	65	369	32	32	91	97	460	460
1972	8	35	212	2	82	327	10	117	539	26	26	108	143	647	647
1973	8	23	143	2	20	76	10	43	219	-	-	-	-	-	-
1974	8	81	603	2	25	100	10	106	703	-	-	-	-	-	-
1975	8	28	112	2	23	71	10	51	183	-	-	-	-	-	-
1976	8	48	287	2	65	261	10	113	548	10	10	18	123	566	566
1977	8	38	255	2	22	79	10	60	334	38	38	59	98	393	393
1978	8	42	262	1	18	63	9	60	325	21	21	61	81	386	386
1979	8	75	409	1	57	217	9	132	626	28	28	73	160	699	699
1980	8	66	387	3	49	187	11	115	574	30	30	61	145	635	635
1981	8	91	589	3	26	107	11	117	696	38	38	96	155	792	792
1982	8	48	330	3	16	76	11	64	406	55	55	131	119	537	537
1983	8	15	72	3	6	29	11	21	101	43	43	98	64	199	199
1984	8	49	351	3	0*	0	11	49	351	89	89	146	138	497	497
1985	8	64	342	3	0*	0	11	64	342	95	95	291	159	633	633
1986	8	66	428	1	12	73	9	78	501	68	68	207	146	708	708
1987	8	69	366	1	7	31	9	76	397	31	31	77	107	474	474
1988	8	51	267	1	9	29	9	60	296	56	56	163	116	459	459
1989	8	84	578	1	16	73	9	100	651	95	95	212	195	863	863
1990	8	90	644	1	1	7	9	91	651	64	64	99	155	750	750

Key: * Denotes incomplete returns.

Table 9.5 River Rhymney

YEAR	DRIFT NETS				YEAR	RODS			
	SALMON		MIGRATORY TROUT			SALMON		MIGRATORY TROUT	
	LIC	NO	WEIGHT (LBS)	NO		WEIGHT (LBS)	NO	WEIGHT (LBS)	
1951					1951-84				
1952	1	13	156	-					
1953	1	26	273	1					
1954	1	36	460	-					
1955	1	33	335	-	1985	0	0	6	5
1956	1	23	233	5	1986	0	0	7	11
1957	1	29	319	7	1987	1	-	8	10
1958	1	31	310	-	1988	0	0	14	28
1959	2	58	638	6	1989	0	0	11	11
1960	1	36	378	5	1990	0	0	6	8
1961	1	41	410	-					
1962-90									

Table 9.6 River Taff - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
	1951-82			
1983	0		3	4
1984	2		84	95
1985	15		135	242
1986	12		257	410
1987	38		227	507
1988	114		208	480
1989	4		22	39
1990	72		85	209

Table 9.7 River Ognore - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-
1952	-	-	-	-
1953	-	-	81	243
1954	-	-	10	22
1955	2	20	33	94
1956	2	27	102	212
1957	2	19	176	384
1958	18	68	242	474
1959-62	-	-	-	-
1963	1	14	44	79
1964-66	-	-	-	-
1967	1	9	148	353
1968	1	3	50	70
1969-70	-	-	-	-
1971	-	-	230	309
1972-74	-	-	-	-
1975	1	-	81	122
1976	-	-	61	121
1977	8	54	125	277
1978	4	21	141	208
1979	1	6	291	593
1980	14	114	272	628
1981	4	15	161	424
1982	9	56	207	515
1983 *	3	20	252	469
1984 *	6	46	352	693
1985 *	41	361	803	2418
1986 *	37	245	634	1543
1987 *	24	159	1061	2436
1988 *	39	265	974	2558
1989	11	75	221	650
1990	19	108	393	1032

Table 9.8 River Afan - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-79	-	-	-	-
1980	0	0	10	17
1981	0	0	10	11
1982	0	0	3	7
1983	0	0	0	0
1984	0	0	7	15
1985	0	0	97	175
1986	1	6	133	224
1987	0	0	268	469
1988	1	4	214	448
1989	0	0	32	60
1990	1	5	155	271

----- No data available -----

Key:
Note: * Denotes years in which data differ from that published elsewhere by MAFF. From 1980, the catch data for the Ognore include catches made on the Eweny.

Table 9.9 River Neath - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-74	----- No data available -----			
1975	-	-	21	-
1976	-	-	9	20
1977	12	85	21	53
1978	-	-	18	48
1979	4	31	67	181
1980	1	13	37	107
1981	4	28	36	110
1982	4	22	48	144
1983	10	70	41	172
1984	4	23	30	65
1985	15	106	85	273
1986	5	45	74	187
1987	33	115	346	720
1988	52	318	565	1462
1989	12	57	91	428
1990	25	174	186	417

Table 9.10 River Tawe - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-74	----- No data available -----			
1975	-	-	-	-
1976	5	19	80	139
1977	18	118	77	141
1978	14	93	685	977
1979	20	68	585	802
1980	32	243	365	641
1981	65	565	385	917
1982	33	200	443	762
1983	41	317	490	1132
1984	47	249	719	1283
1985	107	813	658	1415
1986	32	227	469	915
1987	55	403	1011	1929
1988	91	708	525	1087
1989	25	163	317	860
1990	85	633	450	1041

Table 9.11 River Loughor - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-55	----- No data available -----			
1956	2	8	-	-
1957-61	----- No data available -----			
1962	4	32	-	-
1963	5	47	-	-
1964	2	11	-	-
1965	8	70	-	-
1966	16	136	-	-
1967	15	136	-	-
1968	21	189	-	-
1969	8	67	-	-
1970	7	66	-	-
1971	13	96	-	-
1972	9	71	71	-
1973	5	47	90	-
1974	-	-	280	-
1975	20	162	120	-
1976	3	21	14	32
1977	13	109	57	191
1978	9	63	27	62
1979	14	88	103	267
1980	12	79	162	388
1981	9	59	204	664
1982	7	45	125	285
1983	15	130	96	332
1984	5	34	88	156
1985	25	204	287	771
1986	12	160	-	-
1987	9	51	428	902
1988	26	170	407	1065
1989	7	44	87	322
1990	9	62	156	401

Table 9.12 Gwendraeth Fawr and Fach - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-79	----- No data available -----			
1980	-	-	107	87
1981	1	10	58	72
1982	1	3	33	33
1983	1	-	76	98
1984	0	0	33	65
1985	5	37	114	185
1986	0	0	258	325
1987	0	0	518	745
1988	6	22	776	1127
1989	0	0	93	128
1990	2	9	69	86

Table 9.13 River Tywi - salmon

YEAR	NET CATCH										ROD CATCH		TOTAL CATCH	
	SEINE NETS			CORACLE NETS			TOTAL NET CATCH				NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC				
1951-55	No reliable data available													
1956	9	227	2295	14	164	1637	23	391	3932	917	8969	1308	12901	
1957	9	144	1425	14	161	1652	23	305	3077	421	4002	726	7079	
1958	8	136	1333	14	250	2267	22	386	3600	688	6282	1074	9882	
1959	8	225	2458	14	124	1284	22	349	3742	228	2306	577	6048	
1960	9	167	1649	14	190	1841	23	357	3490	617	6204	974	9694	
1961	7	128	1266	14	126	1366	21	254	2632	431	4319	685	6951	
1962	7	100	951	14	149	1374	21	249	2325	1049	9507	1298	11832	
1963	6	149	1412	13	218	1716	19	367	3128	1407	13855	1774	16983	
1964	8	177	1687	13	249	2270	21	426	3957	1034	9871	1460	13828	
1965	8	153	1498	12	232	2010	20	385	3508	1541	14900	1926	18408	
1966	9	249	2461	12	303	2801	21	552	5262	1601	16726	2153	21988	
1967	9	294	2938	12	324	3142	21	618	6080	1710	17398	2328	23478	
1968	9	126	1211	12	185	1828	21	311	3039	748	6721	1059	9760	
1969	8	221	1914	12	257	2509	20	478	4423	575	5539	1053	9962	
1970	9	189	1608	12	188	1653	21	377	3261	742	6535	1119	9796	
1971	9	192	1804	12	225	1790	21	417	3594	901	7742	1318	11336	
1972	9	271	2488	12	383	3422	21	654	5910	1348	13860	2002	19770	
1973	9	309	2998	14	332	3027	23	641	6025	946	8699	1587	14724	
1974	9	197	1718	12	226	2001	21	423	3719	1674	14638	2097	18357	
1975	9	333	2593	12	319	2927	21	652	5520	1767	15174	2419	20694	
1976	9	181	1462	11	119	1097	20	300	2559	358	3218	658	5777	
1977	9	247	1823	12	148	1316	21	395	3139	1083	8793	1478	11932	
1978	9	218	1890	12	224	2328	21	442	4218	1083	10585	1525	14803	
1979	9	205	1511	12	149	1192	21	354	2703	1094	8468	1448	11171	
1980	9	213	1895	12	137	1346	21	350	3241	960	8681	1310	11922	
1981	9	248	2459	12	183	1682	21	431	4141	915	8601	1346	12742	
1982	9	73	680	12	50	471	21	123	1151	829	6958	952	8109	
1983	9	247	1826	12	80	848	21	327	2674	1033	8293	1360	10967	
1984	9	70	593	11	54	304	20	124	897	602	4548	726	5445	
1985	9	118	1310	11	25	229	20	143	1539	943	8499	1086	10038	
1986	9	67	666	11	72	794	20	139	1460	568	5170	707	6630	
1987	8	90	772	9	59	547	17	149	1319	757	6274	906	7593	
1988	6	263	1329	9	53	507	15	316	1836	1446	12101	1762	13937	
1989	8	217	1537	10	57	549	18	274	2086	544	3935	818	6021	
1990	9	118	1096	10	44	439	19	162	1535	471	4023	633	5558	

Notes: Catches for 1951-55 were aggregated into regional totals, but the data are considered unreliable and have not been included here.

Table 9.14 River Tywi - migratory trout

YEAR	NET CATCH						TOTAL NET CATCH		ROD CATCH		TOTAL CATCH		
	SEINE NETS		CORACLE NETS		TOTAL NET CATCH		LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)							
1951-55	No reliable data available												
1956	9	1132	3500	14	2039	5578	23	3171	9078	-	-	-	-
1957	9	698	2276	14	2124	5540	23	2822	7816	-	-	-	-
1958	8	825	2386	14	2487	6680	22	3312	9066	-	-	-	-
1959	8	492	1759	14	917	3174	22	1409	4933	-	-	-	-
1960	9	484	1549	14	1915	5920	23	2399	7469	-	-	-	-
1961	7	776	2276	14	2025	6496	21	2801	8772	-	-	-	-
1962	7	436	1417	14	2337	7361	21	2773	8778	-	-	-	-
1963	6	312	1062	13	1275	3517	19	1587	4579	-	-	-	-
1964	8	559	1487	13	1672	4492	21	2231	5979	-	-	-	-
1965	8	733	2360	12	1671	4299	20	2404	6659	-	-	-	-
1966	9	769	2679	12	1708	5480	21	2477	8159	-	-	-	-
1967	9	946	3628	12	1925	6678	21	2871	10306	-	-	-	-
1968	9	1082	4220	12	1785	7191	21	2867	11411	-	-	-	-
1969	8	711	2674	12	1470	5255	20	2181	7929	-	-	-	-
1970	9	322	1021	12	892	2661	21	1214	3682	-	-	-	-
1971	9	583	1943	12	992	2830	21	1575	4773	-	-	-	-
1972	9	713	2514	12	1823	5181	21	2536	7695	3485	-	6021	-
1973	9	871	3162	14	1834	5477	23	2705	8639	4383	-	7088	-
1974	9	1391	4154	12	2097	7197	21	3488	11351	4625	-	8113	-
1975	9	951	2983	12	1574	5131	21	2525	8114	4711	-	7236	-
1976	9	1720	5511	11	1779	6391	20	3499	11902	1223	1859	4722	13761
1977	9	1010	3612	12	1553	5177	21	2563	8789	2530	6985	5093	15774
1978	9	827	2199	12	1432	4207	21	2259	6406	2139	4566	4398	10972
1979	9	1258	3505	12	1950	5250	21	3208	8755	4523	11143	7731	19898
1980	9	1869	5810	12	2072	6409	21	3941	12219	4480	10412	8421	22631
1981	9	1451	4790	12	1649	5653	21	3100	10443	4862	13427	7962	23870
1982	9	1005	3280	12	1279	4241	21	2284	7521	4915	10657	7199	18178
1983	9	1476	4171	12	1243	3395	21	2719	7566	6312	13829	9031	21395
1984	9	1280	4045	11	836	3210	20	2116	7255	5909	12520	8025	19775
1985 *	9	810	2608	11	919	3036	20	1729	5644	5078	14088	6807	19732
1986	9	600	2531	11	894	3164	20	1494	5695	3945	8997	5439	14692
1987	8	640	1914	9	575	2026	17	1215	3940	9580	19006	10795	22946
1988 *	6	829	2822	9	819	3183	15	1648	6005	7134	16047	8782	22052
1989	8	1113	4985	10	1166	5540	18	2279	10525	3907	12566	6186	23091
1990	9	685	3452	10	867	4819	19	1552	8271	2243	6415	3795	14686

Notes: Catches for 1951-55 were aggregated into regional totals, but the data are considered unreliable and have not been included here.

Sea trout rod returns were not required before 1972.

Key: * Denotes years in which data differ from that published elsewhere by MAFF.

Table 9.15 River Taf - salmon

YEAR	CORACLE NETS						NET CATCH						ROD CATCH		TOTAL CATCH				
	LIC		NO		WEIGHT (LBS)		LIC		NO		WEIGHT (LBS)		LIC		NO		WEIGHT (LBS)		
1951-55	No reliable data available																		
1956	2	-	-	-	-	-	2	-	-	-	-	2	51	452	-	452	-	-	-
1957	2	-	-	-	-	-	2	-	-	-	-	49	447	-	447	-	-	-	-
1958	2	2	20	-	-	-	2	2	20	-	-	46	417	48	437	-	-	-	-
1959	2	-	-	-	-	-	2	-	-	-	-	30	430	-	430	-	-	-	-
1960	2	-	-	-	-	-	2	-	-	-	-	62	583	-	583	-	-	-	-
1961	2	-	-	-	-	-	2	-	-	-	-	39	375	-	375	-	-	-	-
1962	2	-	-	-	-	-	2	-	-	-	-	128	1141	-	1141	-	-	-	-
1963	1	-	-	-	-	-	1	-	-	-	-	217	1952	-	1952	-	-	-	-
1964	1	-	-	-	-	-	1	-	-	-	-	187	1756	-	1756	-	-	-	-
1965	2	7	65	-	-	-	1	-	-	-	-	147	1427	154	1492	-	-	-	-
1966	2	14	160	-	-	-	1	-	-	-	-	271	2773	285	2933	-	-	-	-
1967	2	17	154	-	-	287	1	31	287	-	-	252	2495	300	2936	-	-	-	-
1968	1	-	-	-	-	-	1	-	-	-	-	111	1194	-	1194	-	-	-	-
1969	2	-	-	-	-	-	1	-	-	-	-	49	449	-	449	-	-	-	-
1970	2	-	-	-	-	-	1	-	-	-	-	82	747	-	747	-	-	-	-
1971	2	39	329	-	-	-	1	-	-	-	-	238	2038	277	2367	-	-	-	-
1972	2	-	-	-	-	-	1	2	18	-	-	191	1833	193	1851	-	-	-	-
1973	1	9	75	-	-	-	1	-	-	-	-	104	971	113	1046	-	-	-	-
1974	2	49	408	-	-	-	1	-	-	-	-	282	282	331	-	-	-	-	-
1975	2	26	222	-	-	-	1	2	15	-	-	173	1543	201	1780	-	-	-	-
1976	2	9	95	-	-	-	1	-	-	-	-	81	691	90	786	-	-	-	-
1977	2	23	200	-	-	-	1	1	8	-	-	192	1644	216	1852	-	-	-	-
1978	2	12	105	-	-	-	1	5	53	-	-	50	480	67	638	-	-	-	-
1979	2	11	109	-	-	-	1	-	-	-	-	148	1104	159	1213	-	-	-	-
1980	2	15	128	-	-	-	1	4	25	-	-	258	2131	277	2284	-	-	-	-
1981	2	18	189	-	-	-	1	-	-	-	-	150	1268	168	1457	-	-	-	-
1982	2	9	98	-	-	-	1	2	15	-	-	134	944	145	1057	-	-	-	-
1983	2	10	206	-	-	-	1	5	46	-	-	156	1156	171	1408	-	-	-	-
1984	2	1	20	-	-	-	1	0	0	-	-	25	205	26	225	-	-	-	-
1985	2	26	247	-	-	-	1	0	0	-	-	129	946	155	1193	-	-	-	-
1986	1	4	62	-	-	-	1	2	20	-	-	107	908	113	990	-	-	-	-
1987	1	3	62	-	-	-	1	0	0	-	-	77	626	80	688	-	-	-	-
1988	1	6	46	-	-	-	1	0	0	-	-	165	1283	171	1329	-	-	-	-
1989	1	0	0	-	-	-	1	0	0	-	-	24	187	24	187	-	-	-	-
1990	1	9	73	-	-	-	1	0	0	-	-	35	258	44	331	-	-	-	-

Notes: Catches for 1951-55 were aggregated into regional totals, but the data are considered unreliable and have not been included here.

Table 9.16 River Taf - migratory trout

YEAR	CORACLE NETS			NET CATCH			TOTAL NET CATCH			ROD CATCH		TOTAL CATCH	
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-55	No reliable data available												
1956	2	-	-	-	-	-	2	-	-	-	-	-	-
1957	2	-	-	-	-	-	2	-	-	-	-	-	-
1958	2	63	167	-	-	-	2	63	167	-	-	-	-
1959	2	-	-	-	-	-	2	-	-	-	-	-	-
1960	2	-	-	-	-	-	2	-	-	-	-	-	-
1961	2	-	-	-	-	-	2	-	-	-	-	-	-
1962	2	-	-	-	-	-	2	-	-	-	-	-	-
1963	1	-	-	-	-	-	1	-	-	-	-	-	-
1964	1	-	-	1	-	-	2	-	-	-	-	-	-
1965	2	60	172	1	-	-	3	60	172	-	-	-	-
1966	2	60	173	1	-	-	3	60	173	-	-	-	-
1967	2	101	341	1	8	23	3	109	364	-	-	-	-
1968	1	-	-	1	-	-	2	-	-	-	-	-	-
1969	2	-	-	1	-	-	3	-	-	-	-	-	-
1970	2	-	-	-	-	-	2	-	-	-	-	-	-
1971	2	104	239	1	10	23	3	114	262	-	-	-	-
1972	2	-	-	1	-	-	3	-	-	174	-	-	-
1973	1	44	108	1	-	-	2	44	108	196	-	240	-
1974	2	253	763	-	-	-	2	253	763	542	-	795	-
1975	2	86	248	1	-	-	3	86	248	330	-	416	-
1976	2	147	461	1	-	-	3	147	461	86	215	233	676
1977	2	82	289	1	-	-	3	82	289	87	254	169	543
1978	2	71	224	1	-	-	3	71	224	119	282	190	506
1979	2	82	244	1	-	-	3	82	244	225	518	307	762
1980	2	132	382	1	-	-	3	132	382	466	779	598	1161
1981	2	237	833	1	-	-	3	237	833	513	1198	750	2031
1982	2	262	834	1	10	42	3	272	876	580	1072	852	1948
1983	2	148	482	1	9	34	3	157	516	491	881	648	1397
1984	2	41	163	1	1	4	3	42	167	198	353	240	520
1985	2	191	690	1	1	4	3	192	694	325	714	517	1408
1986	1	94	304	1	2	8	2	96	312	463	877	559	1189
1987	1	64	196	1	2	4	2	66	200	427	732	493	932
1988	1	131	454	1	5	15	2	136	469	497	1054	633	1523
1989	1	90	761	1	3	11	2	93	772	98	216	191	988
1990	1	56	291	1	0	0	2	56	291	108	205	164	496

Notes: Catches for 1951-55 were aggregated into regional totals, but the data are considered unreliable and have not been included here. Sea trout rod returns were not required before 1972.

Table 9.17 South West coastal nets - salmon

YEAR	WADE NETS			SEINE NETS			TOTAL		
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)
1951-55	No reliable data available								
1956	8	108	569	3	19	95	11	127	664
1957	9	18	123	4	6	27	13	24	150
1958	5	1	5	4	12	64	9	13	69
1959	5	7	62	2	1	20	7	8	82
1960	5	8	75	3	1	2	8	9	77
1961	2	2	18	2	-	-	4	2	18
1962	4	2	18	1	-	-	5	2	18
1963	2	-	-	1	-	-	3	-	-
1964	2	-	-	1	-	-	3	-	-
1965	5	-	-	1	-	-	6	-	-
1966	10	-	-	2	3	23	12	3	23
1967	1	1	9	5	56	583	6	57	592
1968	3	3	19	5	62	446	8	65	465
1969	3	10	74	5	6	65	8	16	138
1970	2	10	74	3	-	-	5	10	74
1971	2	11	88	3	5	40	5	16	128
1972	3	-	-	1	7	75	4	7	75
1973	4	-	-	2	7	50	6	7	50
1974	7	-	-	10	33	301	17	33	301
1975	7	5	14	14	183	1612	21	188	1626
1976	12	19	91	15	80	660	27	99	751
1977	9	-	-	17	76	667	26	76	667
1978	8	-	-	14	42	357	22	42	357
1979	5	-	-	2	17	158	7	17	158
1980	11	1	7	7	22	178	18	23	185
1981	12	7	52	15	30	277	27	37	329
1982	11	4	32	10	7	75	21	11	107
1983	8	0	0	7	1	4	15	1	4
1984 (a)	14	33	179	7	44	390	21	77	569
1985	22	26	117	11	3	18	33	29	135
1986	23	12	59	8	31	322	31	43	381
1987	22	24	117	7	33	315	29	57	432
1988	23	37	240	8	9	93	31	46	333
1989	13	7	18	7	16	68	20	23	86
1990	21	45	368	4	6	75	25	51	443

Note: Catches for 1951-55 were aggregated into regional totals, but the data are considered unreliable and have not been included here.

Key: (a) Incomplete catch returns for waide nets.

Table 9.18 South West coastal nets - migratory trout

YEAR	WADE NETS			SEINE NETS			TOTAL		
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)
1951-55	No reliable data available								
1956	8	26	86	3	131	391	11	157	477
1957	9	7	21	4	42	93	13	49	114
1958	5	9	33	4	94	170	9	103	203
1959	5	1	2	2	33	93	7	34	95
1960	5	5	8	3	38	59	8	43	67
1961	2	1	5	2	39	39	4	40	44
1962	4	-	-	1	1	1	5	1	1
1963	2	1	10	1	1	9	3	2	19
1964	2	-	-	1	-	-	3	-	-
1965	5	-	-	1	8	10	6	8	10
1966	10	-	-	2	46	81	12	46	81
1967	1	13	20	5	247	466	6	260	486
1968	3	4	13	5	312	871	8	316	884
1969	3	5	11	5	18	54	8	23	65
1970	2	6	14	3	22	46	5	28	60
1971	2	3	9	3	34	104	5	37	113
1972	3	4	8	1	14	41	4	18	49
1973	4	-	-	2	24	74	6	24	74
1974	7	24	70	10	63	130	17	87	200
1975	7	30	70	14	255	590	21	285	660
1976	12	48	132	15	192	411	27	240	543
1977	9	53	131	17	68	219	26	121	350
1978	8	13	33	14	190	483	22	203	516
1979	5	4	7	2	26	99	7	30	106
1980	11	73	226	7	74	216	18	147	442
1981	12	158	325	15	182	705	27	340	1030
1982	11	45	132	10	56	188	21	101	320
1983	8	213	602	8	50	154	16	263	756
1984 (a)	14	158	644	7	159	666	21	317	1310
1985	22	88	238	11	50	150	33	138	388
1986	23	102	333	8	156	664	31	258	997
1987	22	171	472	7	131	348	29	302	820
1988	23	113	417	8	143	509	31	256	926
1989	13	67	101	7	146	271	20	213	372
1990	21	85	344	4	72	432	25	157	776

Table 9.19 Daucedddau (E and W Cleddau) - salmon - nets

YEAR	SEINE NETS		STOP (COMPASS) NETS		TOTAL NET CATCH		
	LIC	NO	LIC	NO	LIC	NO	
1951-55			No reliable data available				
1956			8	99	804	8	99
1957			8	232	1807	8	232
1958			8	90	715	8	90
1959			8	201	1498	8	201
1960			8	240	2004	8	240
1961			8	95	866	8	95
1962			8	130	972	8	130
1963			8	102	835	8	102
1964			8	155	1219	8	155
1965			8	86	726	12	86
1966	4	-	8	80	687	12	80
1967	3	5	8	131	1121	11	136
1968	3	3	8	53	477	11	56
1969	3	5	8	72	596	11	77
1970	4	-	7	99	903	11	99
1971	4	-	8	85	664	12	85
1972	2	-	8	43	327	10	43
1973	2	-	8	106	797	10	106
1974			8	96	696	8	96
1975			7	124	895	7	124
1976			8	80	610	8	80
1977			8	54	431	8	54
1978			8	40	354	8	40
1979			8	54	371	8	54
1980			8	62	595	8	62
1981			8	45	305	8	45
1982			8	21	152	8	21
1983			8	37	189	8	37
1984			8	17	126	8	17
1985			8	55	328	8	55
1986			8	28	231	8	28
1987			8	73	529	8	73
1988			7	23	154	7	23
1989			6	52	300	6	52
1990			6	8	46	6	8

Note: Catches for 1951-55 were aggregated into regional totals, but the data are considered unreliable and have not been included here.

Table 9.20 Daucedddau (E and W Cleddau) - migratory trout - nets

YEAR	SEINE NETS		STOP (COMPASS) NETS		TOTAL NET CATCH		
	LIC	NO	LIC	NO	LIC	NO	
1951-55			No reliable data available				
1956			8	15	55	8	15
1957			8	6	30	8	6
1958			8	10	35	8	10
1959			8	43	138	8	43
1960			8	25	97	8	25
1961			8	19	72	8	19
1962			8	22	80	8	22
1963			8	22	112	8	22
1964			8	31	81	8	31
1965	4	-	8	16	50	12	16
1966	3	-	9	13	38	12	13
1967	3	1	8	12	40	11	13
1968	3	-	8	17	61	11	17
1969	3	-	8	-	-	11	-
1970	4	-	7	6	18	11	6
1971	4	-	8	14	39	12	14
1972	2	-	8	-	-	10	-
1973	2	-	8	19	68	10	19
1974			8	6	22	8	6
1975			7	8	18	7	8
1976			8	8	30	8	8
1977			8	5	18	8	5
1978			8	7	24	8	7
1979			8	8	26	8	8
1980			8	11	35	8	11
1981			8	16	53	8	16
1982			8	3	11	8	3
1983			8	7	27	8	7
1984			8	14	53	8	14
1985			8	14	35	8	14
1986			8	7	22	8	7
1987			8	28	64	8	28
1988			7	14	29	7	14
1989			6	9	22	6	9
1990			6	2	4	6	2

Table 9.21 River East Cleddau - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-55	----- No reliable data available -----			
1956	142	1137	-	-
1957	-	-	-	-
1958	-	-	-	-
1959	29	277	-	-
1960	83	702	-	-
1961	44	357	-	-
1962	107	925	-	-
1963	101	839	-	-
1964	178	1521	-	-
1965	135	1231	-	-
1966	240	2256	-	-
1967	147	1239	-	-
1968	96	789	-	-
1969	18	126	-	-
1970	44	354	-	-
1971	86	690	-	-
1972	54	472	265	-
1973	48	351	214	-
1974	-	-	505	-
1975	290	2076	287	-
1976	65	508	143	229
1977	62	508	170	231
1978	31	264	294	374
1979	105	645	354	479
1980	39	334	171	246
1981	58	488	329	493
1982	70	521	585	820
1983	83	613	654	756
1984	29	172	897	1014
1985	78	610	561	742
1986	57	487	669	853
1987	48	283	1406	1707
1988 *	81	591	728	1127
1989	36	195	265	363
1990	13	103	277	377

Notes:

Catches for 1951-55 were aggregated into regional totals, but the data are considered unreliable and have not been included here.

Sea trout rod catch returns not required before 1972.

* Denotes year in which data differ from that published elsewhere by MAFF.

Table 9.22 River West Cleddau - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-55	----- No reliable data available -----			
1956	71	568	-	-
1957	58	481	-	-
1958	79	646	-	-
1959	29	270	-	-
1960	41	364	-	-
1961	37	330	-	-
1962	21	186	-	-
1963	33	304	-	-
1964	56	508	-	-
1965	29	233	-	-
1966	67	626	-	-
1967	76	643	-	-
1968	12	101	-	-
1969	5	45	-	-
1970	24	198	-	-
1971	59	473	-	-
1972	34	324	42	-
1973	3	24	78	-
1974	-	-	152	-
1975	62	498	374	-
1976	17	173	105	242
1977	54	399	124	167
1978	33	267	305	413
1979	23	169	203	285
1980	21	158	112	129
1981	38	321	224	294
1982	56	450	425	589
1983	21	170	195	256
1984	11	81	341	395
1985	37	310	305	370
1986	30	237	297	362
1987	18	169	894	1011
1988 *	61	446	494	630
1989	25	133	181	262
1990	4	31	88	130

Table 9.23 River Gwaun - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-79				
1980	0	0	8	4
1981	0	0	1	1
1982	0	0	5	4
1983	0	0	6	13
1984	0	0	2	2
1985	0	0	36	50
1986	0	0	26	29
1987	0	0	27	37
1988	1	8	41	58
1989	0	0	17	25
1990	1	8	8	9

Table 9.24 River NeVERN - salmon

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-55			No reliable data available			
1956			14	99	14	99
1957			-	-	-	-
1958			-	-	-	-
1959	2	11 115	2	13	13	128
1960			-	-	-	-
1961			43	441	43	441
1962			58	510	58	510
1963	1	4 31	73	701	77	732
1964			27	238	27	238
1965			22	202	22	202
1966			6	54	6	54
1967			51	493	51	493
1968			22	197	22	197
1969			3	24	3	24
1970			-	-	-	-
1971			52	474	52	474
1972			9	93	9	93
1973			9	104	9	104
1974			-	-	-	-
1975			15	127	15	127
1976			8	54	8	54
1977	2	63 542	23	197	86	739
1978	1	14 152	26	203	40	355
1979	2	168 1156	13	106	181	1262
1980	2	89 849	43	394	132	1243
1981	2	22 193	18	198	40	391
1982	1	16 71	16	137	32	208
1983	2	23 159	23	217	46	376
1984	2	64 681	22	168	86	849
1985	2	5 49	14	95	19	144
1986	1	7 40	20	165	27	205
1987	1	42 311	19	141	61	452
1988	1	19 130	38	291	57	421
1989	1	14 115	37	284	51	399
1990	1	1 11	22	198	23	209

Notes: Catches for 1951-55 were aggregated into regional totals, but the data are considered unreliable and have not been included here.
Catch returns for sea trout were not required before 1972.

Table 9.25 River NeVERN - migratory trout

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-55			No reliable data available			
1956			-	-	-	-
1957			-	-	-	-
1958			-	-	-	-
1959	2	-	-	-	-	-
1960			-	-	-	-
1961			-	-	-	-
1962			-	-	-	-
1963	1	2 6	-	-	-	-
1964			-	-	-	-
1965			-	-	-	-
1966			-	-	-	-
1967			-	-	-	-
1968			-	-	-	-
1969			-	-	-	-
1970			-	-	-	-
1971			-	-	-	-
1972			55	-	55	-
1973			128	-	128	-
1974			101	-	101	-
1975			181	-	181	-
1976			54	62	54	62
1977	2	81 241	94	127	175	368
1978	1	40 150	132	196	172	346
1979	2	126 407	116	170	242	577
1980	2	120 390	173	161	293	551
1981	2	33 115	155	198	188	313
1982	1	16 71	357	462	373	533
1983	2	62 202	487	592	549	794
1984	2	149 589	380	498	529	1087
1985	2	69 214	245	344	314	558
1986	1	8 31	204	313	212	344
1987	1	18 55	413	489	431	544
1988	1	0 0	976	1197	976	1197
1989	1	12 46	390	540	402	586
1990	1	4 15	275	366	279	381

Table 9.26 River Teifi - salmon

YEAR	NET CATCH						TOTAL NET CATCH		ROD CATCH		TOTAL CATCH		
	SEINE NETS		CORACLE NETS		LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)
1951-55	No reliable data available												
1956	8	1070	10771	14	203	2225	22	1273	12996	325	3482	1598	16478
1957	6	789	7706	16	219	2327	22	1008	10033	159	1451	1167	11484
1958	7	964	10132	11	283	3062	18	1247	13194	288	2909	1535	16103
1959	6	1012	10024	12	173	1851	18	1185	11875	128	1454	1313	13329
1960	6	1308	13722	12	140	1644	18	1448	15366	227	2395	1675	17761
1961	6	472	5493	11	133	1582	17	605	7075	232	2540	837	9615
1962	7	721	6459	10	172	1878	17	893	8187	515	5045	1408	13232
1963	7	1396	14252	10	301	4122	17	1697	18374	896	9591	2593	27965
1964	6	876	8614	12	150	1556	18	1026	10170	557	5768	1583	15938
1965	6	698	6885	10	228	2467	16	926	9352	615	6534	1541	15886
1966	6	1567	16301	9	272	2930	15	1839	19231	477	5646	2316	24877
1967	6	712	7711	8	246	2755	14	958	10466	551	6505	1509	16971
1968	6	216	2421	6	76	885	12	292	3306	131	1353	423	4659
1969	6	507	4389	7	110	1085	13	617	5474	116	1012	733	6486
1970	6	802	7666	6	23	222	12	825	7888	242	2168	1067	10056
1971	6	713	6559	5	33	417	11	746	6976	340	2925	1086	9901
1972	5	816	7910	7	66	653	12	882	8563	456	4699	1338	13262
1973	4	677	6497	7	142	936	11	819	7433	320	3132	1139	10565
1974	6	434	3851	9	78	740	15	512	4591	709	6188	1221	10779
1975	5	564	5225	10	158	1532	15	722	6757	838	7221	1560	13978
1976	5	298	2753	12	86	801	17	384	3554	331	3038	715	6592
1977	5	367	3451	14	138	1216	19	505	4667	603	5461	1108	10128
1978	6	451	4751	14	132	1601	20	583	6352	536	5367	1119	11719
1979	6	122	1053	12	75	617	18	197	1670	545	4348	742	6018
1980	6	274	2731	12	85	838	18	359	3569	545	4958	904	8527
1981	6	204	2109	16	81	744	22	285	2853	679	6380	964	9233
1982	6	243	2479	15	61	547	21	304	3026	517	4543	821	7569
1983	6	460	3978	15	66	492	21	526	4470	807	6863	1333	11333
1984	6	265	2544	15	33	373	21	298	2917	282	2372	580	5289
1985	6	109	1047	14	29	229	20	138	1276	850	7502	988	8778
1986	5	482	4385	11	68	602	16	550	4987	857	7522	1407	12509
1987	5	315	2414	10	62	483	15	377	2897	934	8155	1311	11052
1988	5	96	604	9	49	397	14	145	1001	1889	16085	2034	17086
1989	4	80	628	8	48	373	12	128	1001	331	2579	459	3580
1990	5	193	1744	10	166	1239	15	359	2983	536	5049	895	8032

Notes: Catches for 1951-55 were aggregated into regional totals, but the data are considered unreliable and have not been included here.

Table 9.27 River Teifi - migratory trout

YEAR	NET CATCH										ROD CATCH		TOTAL CATCH	
	SEINE NETS			CORACLE NETS			TOTAL NET CATCH				NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC				
1951-55	No reliable data available													
1956	8	411	1567	14	331	1223	22	742	2790	-	-	-	-	-
1957	6	298	1151	16	215	721	22	513	1872	-	-	-	-	-
1958	7	326	1245	11	204	659	18	530	1904	-	-	-	-	-
1959	6	442	1587	12	243	770	18	685	2357	-	-	-	-	-
1960	6	382	1607	12	149	466	18	531	2073	-	-	-	-	-
1961	6	487	1712	11	361	1137	17	848	2849	-	-	-	-	-
1962	7	529	1981	10	405	1432	17	934	3413	-	-	-	-	-
1963	7	253	1282	10	295	1194	17	548	2476	-	-	-	-	-
1964	6	370	1357	12	289	896	18	659	2253	-	-	-	-	-
1965	6	312	1093	10	435	1111	16	747	2204	-	-	-	-	-
1966	6	491	1768	9	601	1904	15	1092	3672	-	-	-	-	-
1967	6	733	2722	8	758	2631	14	1491	5353	-	-	-	-	-
1968	6	398	1554	6	470	1746	12	868	3300	-	-	-	-	-
1969	6	186	721	7	389	1411	13	575	2132	-	-	-	-	-
1970	6	254	830	6	146	473	12	400	1303	-	-	-	-	-
1971	6	454	1586	5	160	564	11	614	2150	-	-	-	-	-
1972	5	430	1481	7	343	1140	12	773	2621	-	-	-	-	-
1973	4	333	1115	7	424	1117	11	757	2232	1582	2355	1530	2078	2285
1974	6	378	1220	9	511	1722	15	889	2942	1478	2235	1568	2152	4406
1975	5	363	1239	10	670	2210	15	1033	3449	2609	3498	2572	3887	8750
1976	5	428	1498	12	717	2273	17	1145	3771	2579	3612	2630	3776	11123
1977	5	391	1891	14	643	2140	19	1034	4031	967	2112	2504	3902	7384
1978	6	283	970	14	434	1284	20	717	2254	1530	2564	2497	3505	6825
1979	6	766	2799	12	691	2064	18	1457	4863	2609	3498	2572	3887	8750
1980	6	1096	3939	12	1094	3408	18	2190	7347	2579	3612	2630	3776	11123
1981	6	478	1897	16	472	1585	22	950	3482	967	2112	2504	3902	7384
1982	6	449	1786	15	450	1534	21	899	3320	1530	2564	2497	3505	6825
1983	6	594	2299	15	466	1393	21	1060	3692	2786	3846	2786	3712	7404
1984	6	790	3494	15	672	2474	21	1462	5968	2649	3554	2649	3554	9522
1985	6	319	1135	14	247	747	20	566	1882	2558	3124	2498	3433	5456
1986	5	161	683	11	146	520	16	307	1203	2498	3433	2498	3433	4636
1987	5	343	1085	10	264	776	15	607	1861	4999	6799	4999	6799	8660
1988	5	327	979	9	365	1479	14	692	2458	3554	4246	3554	5366	7824
1989	4	259	888	8	308	1206	12	567	2094	1236	1803	1236	2075	4169
1990	5	134	668	10	443	2090	15	577	2758	813	1390	813	1356	4114

Notes: Catches for 1951-55 were aggregated into regional totals, but the data are considered unreliable and have not been included here.
Sea trout rod catch returns not required before 1972.

Table 9.28 River Aeron - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-71	----- No data available -----			
1972	-	-	797	-
1973	-	-	410	-
1974	-	-	896	-
1975	11	74	409	-
1976	10	43	263	361
1977	13	111	432	605
1978	11	75	454	652
1979	8	47	678	811
1980	9	51	686	849
1981	27	199	794	1249
1982	5	40	942	1077
1983	9	49	328	428
1984	9	44	694	897
1985	34	193	1216	2001
1986	8	71	695	810
1987	20	147	985	1085
1988	52	302	1032	1213
1989	4	22	204	258
1990	2	9	190	256

Table 9.29 River Arth - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-79	----- No data available -----			
1980	0	0	60	114
1981	0	0	48	87
1982	0	0	52	90
1983	0	0	11	16
1984	1	3	15	20
1985	0	0	117	122
1986	0	0	28	27
1987	3	22	157	240
1988	4	23	79	103
1989	0	0	6	9
1990	0	0	0	0

Table 9.30 River Wyre - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-79	----- No data available -----			
1980	0	0	3	6
1981	8	68	5	5
1982	0	0	0	0
1983	6	28	7	11
1984	3	24	1	2
1985	23	249	79	142
1986	8	91	8	12
1987	12	116	81	107
1988	5	22	101	146
1989	0	0	7	11
1990	3	22	15	36

Table 9.31 River Ystwyth - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-69	----- No data available -----			
1970	14	100	-	-
1971	-	-	-	-
1972	-	-	-	-
1973	-	-	-	-
1974	-	-	543	-
1975	2	10	145	-
1976	2	21	17	46
1977	27	172	219	323
1978	19	142	331	468
1979	13	61	399	573
1980	11	55	495	1093
1981	9	60	512	987
1982	31	140	559	934
1983	61	420	697	1846
1984	8	44	105	150
1985	24	165	524	994
1986	9	61	248	572
1987	22	153	626	866
1988	56	362	437	754
1989	14	99	96	191
1990	24	163	55	126

Notes: Sea trout rod catch returns not required before 1972.
 Salmon catches for 1962-63 were aggregated with the river Rheidol (Table 9.32).

Table 9.32 River Rheidol - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-55	----- No data available -----			
1956	1	10	-	-
1957	-	-	-	-
1958	-	-	-	-
1959	1	11	-	-
1960	-	-	-	-
1961	-	-	-	-
1962	16	118	-	-
1963	12	120	-	-
1964	12	105	-	-
1965	94	658	-	-
1966	134	1313	-	-
1967	110	880	-	-
1968	34	280	-	-
1969	42	265	-	-
1970	81	542	-	-
1971	120	864	-	-
1972	123	1035	715	-
1973	133	1216	624	-
1974	161	-	1003	-
1975	102	746	1102	-
1976	43	277	1159	1571
1977	79	531	734	1211
1978	55	529	685	975
1979	41	216	1017	1547
1980	17	113	524	708
1981	15	105	502	860
1982	22	140	888	1676
1983	60	364	962	1350
1984	24	141	660	1279
1985	54	395	532	1013
1986	73	562	625	1080
1987	106	690	814	1164
1988	126	919	819	1583
1989	81	514	410	873
1990	48	351	176	337

Notes: Sea trout rod catch returns not required before 1972.
 Catches for 1962-63 also include data for the river Ystrwyth (Table 9.31).

Table 9.33 River Dyfi - salmon

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)
1951	-	-	-	-	-	-
1952	-	-	156	-	156	-
1953	-	-	276	-	276	-
1954	-	129	215	-	344	-
1955	-	107	253	-	360	-
1956	6	149	682	-	831	-
1957	6	126	561	-	687	-
1958	6	149	1110	10090	1259	-
1959	6	170	378	-	548	-
1960	6	145	451	3608	596	-
1961	6	152	302	2567	454	-
1962	6	130	650	-	780	-
1963	6	115	703	-	818	-
1964	6	121	177	-	298	-
1965	6	64	751	-	815	-
1966	6	171	427	-	598	-
1967	6	133	390	1233	523	-
1968	6	121	124	-	245	-
1969	6	143	270	-	413	-
1970	6	201	785	-	986	-
1971	6	213	740	-	953	-
1972	6	221	585	-	806	-
1973	6	132	523	-	655	-
1974	6	67	705	4845	772	5532
1975	6	239	497	3490	736	5402
1976	6	172	211	1469	383	2690
1977	6	21	164	386	2904	3068
1978	6	122	1120	330	2618	3738
1979	6	102	671	382	2540	3211
1980	6	65	715	285	2176	2891
1981	6	90	903	266	2165	356
1982	6	39	451	179	1226	1677
1983	6	186	1447	293	2252	3699
1984	6	81	688	263	1914	2602
1985 *	6	53	419	441	3431	3850
1986	6	85	926	229	1865	2791
1987	6	23	185	416	2998	3183
1988	5	56	573	634	4636	5209
1989	6	152	1329	223	1574	2903
1990	6	68	642	301	2275	2917

Notes: Prior to 1956 catches for the Gwynedd area were usually aggregated; individual river data for this period are incomplete. The sea trout catches for 1963 and 1965-66 are thought to be over-estimates.
 Key: * Denotes year in which data differ from that published elsewhere by MAFF.

Table 9.34 River Dyfi - migratory trout

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)
1951	-	-	-	-	-	-
1952	-	-	919	-	919	-
1953	-	-	1764	-	1764	-
1954	-	758	1003	-	1761	-
1955	-	1255	3640	-	3047	-
1956	6	1302	827	-	4942	-
1957	6	827	2290	-	3131	-
1958	6	995	921	-	3285	-
1959	6	921	1380	-	1842	-
1960	6	669	3825	-	2049	-
1961	6	869	7500	-	4694	-
1962	6	827	10500	-	8327	-
1963	6	391	1793	-	10891	-
1964	6	499	7781	-	8280	-
1965	6	468	9150	-	9618	-
1966	6	796	10486	-	11282	-
1967	6	887	3627	-	4610	-
1968	6	665	3728	-	4393	-
1969	6	612	3441	-	4053	-
1970	6	380	1281	-	2003	-
1971	6	861	2981	-	3132	-
1972	6	1126	4021	-	4060	-
1973	6	1697	2889	7032	4586	-
1974	6	1320	5702	2640	3960	14157
1975	6	1233	4749	1638	2871	8577
1976	6	1527	5102	1265	2792	8483
1977	6	522	1702	1913	2435	6707
1978	6	994	3533	2419	3413	8079
1979	6	1920	7186	2318	4238	13068
1980	6	1512	4837	2330	3842	10624
1981	6	1577	5935	2402	3979	12369
1982	6	1494	6604	1963	3457	11482
1983	6	1558	6791	1434	2992	10220
1984	6	2648	11415	966	3614	13463
1985 *	6	587	2033	1287	1874	5655
1986	6	987	4694	1720	2707	8640
1987	6	1047	3212	2993	3440	9270
1988	5	1520	5611	2603	4123	12948
1989	6	1739	7769	1074	2813	10576
1990	6	453	3020	891	1344	5533

Table 9.35 River Dysynni - salmon

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)
1951	-	-	-	-	-	-
1952	-	-	11	-	11	-
1953	-	-	15	-	15	-
1954	-	10	27	-	37	-
1955	-	6	15	-	21	-
1956	1	1	8	-	9	-
1957	1	5	18	-	23	-
1958	2	12	30	240	42	240
1959	2	8	17	128	25	128
1960	2	9	18	126	27	126
1961	2	9	12	96	21	96
1962	1	10	35	-	45	-
1963	1	5	31	-	36	-
1964	1	4	74	-	78	-
1965	1	21	97	-	118	-
1966	2	33	101	-	134	-
1967	2	19	34	-	53	-
1968	2	11	25	-	36	-
1969	2	34	14	-	48	-
1970	2	57	47	-	104	-
1971	2	41	240	218	70	458
1972	2	45	290	84	84	-
1973	2	23	21	173	44	-
1974	2	31	44	305	75	520
1975	2	43	15	97	58	367
1976	2	34	8	65	42	275
1977	2	45	25	183	70	517
1978	2	33	15	108	48	371
1979	2	16	17	52	33	128
1980	2	15	14	78	29	181
1981	2	36	15	88	51	300
1982	2	19	125	94	32	219
1983	1	30	215	68	40	283
1984	2	12	90	29	16	119
1985	2	2	9	121	19	130
1986	2	15	90	64	24	154
1987	2	16	97	73	29	170
1988	2	21	117	220	54	337
1989	2	33	218	49	39	267
1990	2	22	139	134	42	273

Notes: Prior to 1956 catches for the Gwynedd area were usually aggregated; individual river data for this period are incomplete. One of the Dysynni seine nets is privately owned and operates in freshwater; the other net is public and operates in the estuary.

Table 9.36 River Dysynni - migratory trout

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)	NO WEIGHT (LBS)
1951	-	-	-	-	-	-
1952	-	-	200	-	200	-
1953	-	-	364	-	364	-
1954	-	433	540	-	973	-
1955	-	448	450	-	898	-
1956	1	235	340	-	575	-
1957	1	243	384	-	627	-
1958	2	119	800	-	919	-
1959	2	275	270	-	545	-
1960	2	214	200	-	414	-
1961	2	177	200	-	377	-
1962	1	189	450	-	639	-
1963	1	157	1900	-	2057	-
1964	1	201	536	-	737	-
1965	1	151	1094	-	1245	-
1966	2	235	1225	-	1460	-
1967	2	241	458	-	699	-
1968	2	291	508	-	799	-
1969	2	113	749	-	862	-
1970	2	136	410	-	546	-
1971	2	226	904	-	691	-
1972	2	186	752	-	668	-
1973	2	214	522	838	736	-
1974	2	155	672	1340	865	2012
1975	2	245	1243	425	670	2029
1976	2	311	1567	183	345	1912
1977	2	285	1328	180	285	1613
1978	2	96	381	154	303	684
1979	2	265	1054	208	296	1350
1980	2	296	1113	173	244	1357
1981	2	281	1208	143	206	1414
1982	2	182	756	115	220	976
1983	1	192	1008	201	279	1287
1984	2	101	564	101	130	694
1985	2	57	216	147	256	472
1986	2	23	115	192	234	349
1987	2	195	798	460	754	1552
1988	2	272	1144	398	690	1834
1989	2	157	880	242	423	1303
1990	2	93	708	276	529	1237

Notes: Prior to 1956 catches for the Gwynedd area were usually aggregated; individual river data for this period are incomplete. One of the Dysynni seine nets is privately owned and operates in freshwater; the other net is public and operates in the estuary.

Table 9.37 River Mawddach - salmon

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-
1952	-	11	41	-	52	-
1953	-	-	76	-	76	-
1954	-	5	137	-	142	-
1955	-	5	175	-	180	-
1956	3	21	253	-	274	-
1957	2	5	128	288	133	-
1958	3	26	249	-	275	-
1959	3	155	52	468	207	-
1960	3	31	340	-	371	-
1961	3	100	122	-	222	-
1962	3	136	537	-	673	-
1963	3	26	432	-	458	-
1964	3	35	-	-	35	-
1965	3	28	-	-	28	-
1966	3	21	776	-	797	-
1967	3	68	685	-	753	-
1968	3	27	375	-	402	-
1969	3	34	314	-	348	-
1970	3	14	538	-	552	-
1971	3	17	136	-	571	-
1972	3	34	573	-	607	-
1973	3	18	363	-	381	-
1974	3	4	540	4356	544	4390
1975	3	186	566	4549	752	5634
1976	3	39	305	2241	344	2566
1977	3	13	108	2215	324	2323
1978	3	23	218	2302	285	2520
1979	3	0	0	1748	258	1748
1980	3	5	40	1750	226	1790
1981	3	30	263	1860	254	2123
1982	3	6	39	1019	155	1058
1983	3	17	121	1914	281	2035
1984	3	8	55	1027	149	1082
1985*	3	1	9	966	132	975
1986	3	23	150	1951	245	2101
1987	2	2	286	2229	288	2238
1988	3	4	365	2712	369	2745
1989	2	37	265	2458	368	2723
1990	3	20	152	2480	324	2632

Notes: Prior to 1956, catches for the Gwynnedi area were usually aggregated; individual river data for this period are incomplete.

Prior to 1976, rod catches of migratory trout were compiled from bailiffs' estimates. The data for 1964-67 are thought to be over-estimates.

Key: * Denotes years in which data differ from that published elsewhere by MAFF.

Table 9.38 River Mawddach - migratory trout

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-
1952	-	-	2040	-	2040	-
1953	-	-	2153	-	2153	-
1954	-	-	1135	-	1135	-
1955	-	-	2104	-	2104	-
1956	3	3	2800	-	2803	-
1957	2	2	2032	-	2034	-
1958	3	12	1984	-	1996	-
1959	3	11	497	-	508	-
1960	3	9	2363	-	2372	-
1961	3	13	3840	-	3853	-
1962	3	33	6360	-	6393	-
1963	3	17	84	-	5337	-
1964	3	29	13051	-	13080	-
1965	3	33	15700	-	15733	-
1966	3	26	16210	-	16236	-
1967	3	52	14257	228	14309	-
1968	3	27	5567	-	5594	-
1969	3	35	5026	-	5061	-
1970	3	4	6944	-	6948	-
1971	3	79	4537	-	4616	-
1972	3	20	79	-	4594	-
1973	3	18	-	-	2524	-
1974	3	23	151	3725	2506	7230
1975	3	95	342	7079	4606	4629
1976	3	72	310	2436	1414	1509
1977	3	15	76	2339	940	1012
1978	3	13	58	2594	1381	1396
1979	3	5	24	1590	910	923
1980	3	12	29	2408	1312	1317
1981	3	55	254	2456	1437	1449
1982	3	4	26	2382	1226	1281
1983	3	34	181	2371	1109	1113
1984	3	7	29	2498	1018	1052
1985*	3	3	11	1585	620	627
1986	3	11	53	834	452	455
1987	2	0	0	2604	1375	1386
1988	3	13	46	2352	1306	1306
1989	2	23	117	3351	1548	1561
1990	3	5	26	2811	1205	1228
				1177	532	1203

Table 9.39 River Arthro - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-
1952	-	-	650	-
1953	-	-	1000	-
1954	-	-	1360	-
1955	-	-	786	-
1956	-	-	890	-
1957	1	-	937	-
1958	-	-	1052	-
1959	-	-	106	-
1960	-	-	152	-
1961	-	-	250	-
1962	2	-	901	-
1963	1	-	488	-
1964	-	-	568	-
1965	3	-	696	-
1966	5	-	962	-
1967	1	-	471	-
1968	-	-	434	-
1969	-	-	213	-
1970	1	-	207	-
1971	13	-	491	-
1972	9	-	310	-
1973	9	-	46	72
1974	36	248	180	433
1975	1	7	113	139
1976	0	0	17	26
1977	1	6	39	56
1978	1	5	32	39
1979	3	6	157	168
1980	5	15	192	232
1981	1	7	108	160
1982	4	13	128	155
1983	1	2	124	217
1984	0	0	33	43
1985	11	76	150	406
1986	15	66	230	320
1987	12	85	201	300
1988	6	33	214	291
1989	3	22	140	214
1990	7	35	48	88

Notes: Before 1956, catches for the Gwynedd area were aggregated and individual river data were incomplete. Sea trout catch data for 1952-61 are believed to be estimates.

Table 9.40 River Duwyryd - salmon

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-
1952	1	38	9	-	47	-
1953	1	32	4	-	36	4
1954	1	10	22	-	32	-
1955	1	36	10	-	46	-
1956	1	48	24	-	72	-
1957	1	24	36	-	60	-
1958	1	12	342	-	50	-
1959	1	17	93	-	28	-
1960	1	13	146	-	30	-
1961	1	8	85	-	18	-
1962	1	2	-	-	11	-
1963 (a)	1	-	59	-	59	-
1964	-	-	64	-	64	-
1965	-	-	47	-	47	-
1966	1	12	103	-	115	-
1967	1	4	82	-	82	-
1968	1	4	67	-	71	-
1969	1	8	11	94	19	-
1970	1	6	123	-	129	-
1971	1	4	157	1121	161	1149
1972	1	12	62	-	74	-
1973	1	2	36	264	38	-
1974	1	8	87	605	95	645
1975	1	6	64	418	70	463
1976	1	30	74	248	74	502
1977	1	10	59	381	69	449
1978	1	27	28	246	55	410
1979	1	18	25	140	43	313
1980 (b)	1	0	38	253	38	253
1981	1	26	40	257	66	462
1982	1	0	35	287	35	287
1983 (a)	1	-	48	331	48	331
1984	-	-	12	66	12	66
1985	-	-	33	237	33	237
1986	-	-	45	338	45	338
1987	-	-	31	212	31	212
1988	-	-	59	276	59	276
1989	-	-	25	181	25	181
1990	-	-	37	251	37	251

Key:
(a) No return received.
(b) Net not operated.

Table 9.41 River Duwyryd - migratory trout

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-
1952	1	-	56	-	-	-
1953	1	-	200	-	-	-
1954	1	101	619	-	720	-
1955	1	67	675	-	742	-
1956	1	108	1030	-	1138	-
1957	1	69	919	-	988	-
1958	1	46	1048	-	1094	-
1959	1	21	250	-	271	-
1960	1	29	158	-	187	-
1961	1	6	200	-	206	-
1962	1	1	203	-	204	-
1963 (a)	1	1	275	-	275	-
1964	-	-	484	-	484	-
1965	-	-	317	-	317	-
1966	1	21	712	-	733	-
1967	1	22	446	-	468	-
1968	1	22	521	-	543	-
1969	1	10	259	500	269	-
1970	1	4	394	-	398	-
1971	1	5	259	-	264	-
1972	1	14	108	-	602	-
1973	1	0	302	-	302	-
1974	1	11	77	438	272	515
1975	1	9	85	283	186	368
1976	1	9	53	193	135	246
1977	1	5	40	213	108	253
1978	1	51	148	106	118	254
1979	1	42	92	158	121	250
1980 (b)	1	0	0	306	207	306
1981	1	55	176	233	225	409
1982	1	0	0	207	134	207
1983 (a)	1	-	-	134	83	105
1984	-	-	-	51	51	95
1985	-	-	-	78	78	219
1986	-	-	-	219	339	339
1987	-	-	-	217	503	503
1988	-	-	-	209	324	324
1989	-	-	-	213	331	331
1990	-	-	-	138	196	196

Table 9.42 River Glaslyn - salmon

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-
1952	-	27	52	-	79	-
1953	-	4	59	-	63	-
1954	-	5	57	-	62	-
1955	-	6	40	-	46	-
1956	2	14	82	-	96	-
1957	2	6	77	-	83	-
1958	2	53	85	787	138	-
1959	2	10	41	369	51	-
1960	2	7	21	150	28	-
1961	2	10	30	270	40	-
1962	2	2	72	-	74	-
1963	2	10	77	-	87	-
1964	2	7	136	-	143	-
1965	2	84	157	-	241	-
1966	2	76	223	-	299	-
1967	2	48	114	-	162	-
1968	2	66	57	-	123	-
1969	2	44	31	-	75	-
1970	2	30	164	-	194	-
1971	2	57	362	-	192	-
1972	2	66	458	-	212	-
1973	2	70	101	837	171	-
1974	2	134	570	562	204	1132
1975	2	58	350	570	141	920
1976	2	73	408	371	120	779
1977	2	43	259	578	127	837
1978	2	47	257	426	100	683
1979	2	47	253	137	74	390
1980	2	6	38	273	46	311
1981	2	19	146	41	60	416
1982	2	20	162	228	53	390
1983	1	22	127	192	51	319
1984	2	39	320	46	45	366
1985	2	7	49	412	69	461
1986	2	18	110	476	77	586
1987	2	10	53	589	83	642
1988	1	21	121	538	106	659
1989	2	35	225	556	111	781
1990	2	19	170	551	92	721

Note: Prior to 1956, catches for the Gwynedd area were usually aggregated; individual river data for this period are incomplete.

Table 9.43 River Glaslyn - migratory trout

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-
1952	-	23	1042	-	1065	-
1953	-	38	2040	-	2078	-
1954	-	10	2076	-	2086	-
1955	-	74	1496	-	1570	-
1956	2	175	2370	-	2545	-
1957	2	49	1927	-	1976	-
1958	2	128	2240	4512	2368	-
1959	2	149	1059	2383	1208	-
1960	2	23	1030	-	1053	-
1961	2	46	880	1320	926	-
1962	2	38	1151	-	1189	-
1963	2	50	1522	-	1572	-
1964	2	35	1671	-	1706	-
1965	2	92	2357	-	2449	-
1966	2	64	1942	-	2006	-
1967	2	262	868	-	1130	-
1968	2	412	1064	-	1476	-
1969	2	55	811	1622	866	-
1970	2	26	672	-	698	-
1971	2	280	1164	-	843	-
1972	2	89	445	-	1448	-
1973	2	158	1289	-	1447	-
1974	2	267	1095	1044	1281	2139
1975	2	140	710	1397	790	2107
1976	2	239	1009	670	753	1679
1977	2	282	1061	514	853	1891
1978	2	154	540	482	636	1353
1979	2	246	936	470	716	1543
1980	2	260	1116	694	954	2003
1981	2	226	859	887	586	1355
1982	2	329	1438	367	696	2020
1983	1	271	1250	435	706	1910
1984	2	640	2978	403	1043	3531
1985	2	82	304	307	389	791
1986	2	159	750	239	398	1167
1987	2	139	498	728	867	1664
1988	1	152	730	1166	938	2024
1989	2	280	1279	408	688	1947
1990	2	70	375	544	614	1237

Table 9.44 Rivers Dwyfawr and Dwyfach - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-
1952	-	-	-	-
1953	-	-	-	-
1954	12	-	4470	-
1955	8	-	1331	-
1956	23	-	2971	-
1957	11	-	2465	-
1958	12	-	2539	-
1959	-	-	1089	-
1960	7	-	1221	-
1961	9	-	1125	-
1962	19	-	2096	-
1963	79	-	2969	-
1964	95	-	4099	-
1965	61	-	4254	-
1966	31	-	4202	-
1967	63	-	2272	-
1968	17	-	2660	-
1969	20	-	2331	-
1970	77	-	4279	-
1971	66	503	2705	-
1972	61	-	4365	-
1973	76	618	2090	3732
1974	181	1268	2889	3637
1975	117	-	2703	3785
1976	56	377	689	1107
1977	70	488	1497	2292
1978	54	309	1314	1741
1979	108	568	2390	3331
1980	69	418	1786	2782
1981	73	481	2639	3682
1982	58	388	1634	2727
1983	46	341	1698	2337
1984	31	238	491	809
1985 *	86	645	991	1578
1986 *	69	407	1337	1756
1987 *	82	621	1758	2463
1988	102	725	1743	2751
1989	32	223	717	1254
1990	67	518	692	1063

Note: Prior to 1956, catches for the Gwynedd area were usually aggregated; individual river data for this period are incomplete.

Key: * Denotes years in which data differ from that published elsewhere by MAFF.

Table 9.45 River Erch - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-65	----- No data available -----			
1966	-	-	244	-
1967	10	-	271	-
1968	2	-	132	-
1969	-	-	34	-
1970	4	-	231	-
1971	2	-	89	-
1972	-	-	143	-
1973	1	9	102	-
1974	-	-	136	208
1975	6	21	25	95
1976	-	-	39	109
1977	3	13	28	53
1978	3	6	56	93
1979	8	35	34	56
1980	1	10	85	150
1981	4	14	66	148
1982	3	12	27	60
1983	3	14	47	119
1984	3	19	32	101
1985	2	10	51	151
1986	1	3	63	93
1987	5	21	63	97
1988	1	6	39	71
1989	2	10	6	9
1990	0	0	9	23

Table 9.46 Caernarvonshire area - salmon - nets

YEAR	DWYFAWR DISTRICT SEINE NETS			DARON DISTRICT SEINE NETS			N.CAERN DISTRICT SEINE NETS			AREA TOTAL SEINE NETS		
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-	-	-	-	2	118	693
1952	-	-	-	-	-	-	-	-	-	2	8	94
1953	-	-	-	-	-	-	-	-	-	4	62	531
1954	-	-	-	-	-	-	-	-	-	6	80	415
1955	-	-	-	-	-	-	-	-	-	4	20	160
1956	-	-	-	-	-	-	-	-	-	5	44	129
1957	-	-	-	-	-	-	-	-	-	5	98	572
1958	-	-	-	-	-	-	-	-	-	5	85	493
1959	-	-	-	-	-	-	-	-	-	6	86	581
1960	-	-	-	-	-	-	-	-	-	5	21	133
1961	-	-	-	-	-	-	-	-	-	5	45	234
1962	-	-	-	-	-	-	-	-	-	5	28	138
1963	3	18	191	2	25	228	2	4	30	7	47	449
1964	-	-	-	-	-	-	-	-	-	5	70	449
1965	-	-	-	-	-	-	-	-	-	5	56	363
1966	-	-	-	-	-	-	-	-	-	5	72	527
1967	3	87	749	2	18	101	-	-	-	6	120	949
1968	3	19	193	2	34	81	1	15	99	5	53	274
1969	3	11	136	1	5	33	1	25	191	5	41	360
1970	3	106	910	1	4	33	2	6	35	6	116	978
1971	2	72	490	1	0	0	2	24	143	5	96	633
1972	2	51	324	2	0	0	2	9	0	6	60	-
1973	2	127	-	-	-	-	2	0	0	4	127	-
1974	2	42	323	2	16	180	2	8	52	6	66	555
1975	2	74	546	2	19	117	2	3	19	6	96	682
1976	2	66	404	2	20	154	2	2	9	6	88	567
1977	2	21	138	2	9	104	2	14	63	6	44	305
1978	1	27	245	2	0	0	2	4	27	5	31	272
1979	2	28	201	2	0	0	2	2	16	4	28	201
1980	2	37	342	2	0	0	2	2	16	6	39	358
1981	2	32	236	1	1	6	2	0	0	5	33	242
1982	2	16	140	2	3	19	1	0	0	5	19	159
1983	2	64	469	1	3	17	1	3	26	4	70	512
1984 (a)	2	13	112	2	0	0	2	0	0	6	13	112
1985 (b)	3	6	29	2	0	0	2	9	37	7	15	66
1986	2	76	703	1	10	31	1	13	82	3	89	785
1987	2	27	254	1	0	0	1	7	60	4	44	345
1988	2	18	159	1	0	0	1	0	0	4	18	159
1989	2	105	939	1	0	0	1	0	0	3	105	939
1990	2	147	1695	1	0	0	1	0	0	2	147	1695

Key: (a) Incomplete returns in the S.Caernarvonshire and N.Caernarvonshire districts.
 (b) Two licences were allocated but not taken up in the S.Caernarvonshire district.
 Note: Before 1967, excluding 1963, net catches were aggregated as district totals only.

Table 9.47 Caernarvonshire area - migratory trout - nets

YEAR	DWYFAWR DISTRICT SEINE NETS			DARON DISTRICT SEINE NETS			N.CAERN DISTRICT SEINE NETS			AREA TOTAL SEINE NETS		
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-	-	-	-	2	154	735
1952	-	-	-	-	-	-	-	-	-	2	159	790
1953	-	-	-	-	-	-	-	-	-	4	169	852
1954	-	-	-	-	-	-	-	-	-	6	426	1604
1955	-	-	-	-	-	-	-	-	-	4	266	1207
1956	-	-	-	-	-	-	-	-	-	5	425	1666
1957	-	-	-	-	-	-	-	-	-	5	578	2293
1958	-	-	-	-	-	-	-	-	-	5	382	1689
1959	-	-	-	-	-	-	-	-	-	6	387	1820
1960	-	-	-	-	-	-	-	-	-	5	50	253
1961	-	-	-	-	-	-	-	-	-	5	176	831
1962	-	-	-	-	-	-	-	-	-	5	240	788
1963	3	179	856	2	191	896	2	0	0	7	370	1752
1964	-	-	-	-	-	-	-	-	-	5	603	2150
1965	-	-	-	-	-	-	-	-	-	5	347	1303
1966	-	-	-	-	-	-	-	-	-	5	695	2840
1967	3	399	1634	2	3	7	1	0	0	6	402	1641
1968	3	771	2635	2	0	0	2	0	0	5	771	2635
1969	3	371	1704	1	0	0	1	41	124	5	412	1828
1970	3	261	963	1	9	42	2	32	97	6	302	1102
1971	2	345	1179	1	0	0	2	31	124	5	376	1303
1972	2	252	960	2	0	0	2	23	-	6	275	-
1973	2	353	-	2	0	0	2	0	0	4	353	-
1974	2	379	2056	2	21	63	2	25	104	6	425	2223
1975	2	322	1189	2	3	23	2	4	12	6	329	1224
1976	2	481	1540	2	20	84	2	0	0	6	501	1624
1977	2	250	1021	2	11	81	2	29	90	6	290	1192
1978	1	240	869	2	0	0	2	15	49	5	255	918
1979	2	535	2242	2	18	72	2	15	81	4	553	2314
1980	2	611	2532	2	15	53	2	0	0	6	641	2666
1981	2	362	1781	1	21	95	2	0	0	5	383	1876
1982	2	513	2204	2	12	58	1	0	0	5	525	2262
1983	2	508	2176	1	45	211	1	15	83	4	568	2470
1984 (a)	2	649	3067	2	0	0	2	27	137	6	676	3204
1985 (b)	3	34	143	2	0	0	2	24	75	7	58	218
1986	2	285	1484	2	0	0	1	11	44	3	296	1528
1987	5	216	961	1	4	7	1	8	33	7	228	1001
1988	2	291	1358	1	0	0	1	0	0	4	291	1358
1989	2	204	1160	1	0	0	3	204	1160	3	204	1160
1990	2	43	267	2	0	0	2	43	267	2	43	267

Key: (a) Incomplete returns in the S.Caernarvonshire and N.Caernarvonshire districts.

(b) Two licences were allocated but not taken up in the S.Caernarvonshire district. Before 1967, excluding 1963, net catches were aggregated as district totals only.

Table 9.48 River Llyfni - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-
1952	-	-	-	-
1953	-	-	-	-
1954	35	-	1500	-
1955	-	-	-	-
1956	-	-	-	-
1957	-	-	-	-
1958	3	-	1864	-
1959	-	-	-	-
1960	-	-	-	-
1961	-	-	-	-
1962	-	-	-	-
1963	-	-	-	-
1964	-	-	-	-
1965	-	-	-	-
1966	132	1122	5299	7949
1967	143	1216	1192	2368
1968	90	704	861	1722
1969	74	496	1397	1537
1970	160	1056	2076	2906
1971	98	823	609	1096
1972	-	-	795	1590
1973	92	691	1095	1095
1974	61	379	963	727
1975	80	563	1087	1523
1976	19	132	134	232
1977	53	319	162	212
1978	28	190	182	345
1979	38	188	902	1248
1980	47	294	302	402
1981	43	312	833	989
1982	22	117	633	778
1983	33	211	575	718
1984	13	77	141	225
1985	42	267	399	516
1986	24	160	1070	1218
1987	28	208	511	459
1988	54	375	803	1153
1989	29	181	131	172
1990	12	84	57	108

Key: * Denotes year in which data differ from that published elsewhere by MAFF.

Table 9.49 River Gwyrfai - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-
1952	-	-	-	-
1953	-	-	-	-
1954	40	-	-	-
1955	-	-	-	-
1956	-	-	-	-
1957	-	-	-	-
1958	37	-	-	-
1959	-	-	-	-
1960	-	-	-	-
1961	-	-	-	-
1962	-	-	-	-
1963	-	-	-	-
1964	-	-	-	-
1965	-	-	-	-
1966	35	298	1489	2234
1967	36	306	740	1480
1968	33	264	280	560
1969	9	60	175	193
1970	96	634	214	300
1971	36	302	195	351
1972	48	384	118	236
1973	33	214	202	-
1974	47	310	226	223
1975	39	283	84	150
1976	5	23	10	17
1977	49	192	42	97
1978	28	110	26	37
1979	7	42	66	108
1980	10	53	34	70
1981	11	89	57	87
1982	12	73	33	67
1983	22	149	96	186
1984	3	19	7	25
1985	13	55	70	135
1986	9	48	32	57
1987	23	160	123	195
1988	36	240	53	154
1989 *	1	10	9	15
1990	8	62	5	11

Table 9.50 River Seiont - salmon

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	4	470	65	455	535	3901
1952	4	277	100	756	377	3558
1953	3	134	156	1326	290	2905
1954	4	232	193	1820	425	2922
1955	4	275	74	676	349	2735
1956	4	359	134	1139	493	3738
1957	5	370	210	1845	580	4458
1958	5	691	234	1856	925	6191
1959	5	665	34	306	699	4770
1960	5	561	87	783	648	4269
1961	5	483	130	1040	613	4185
1962	5	969	536	3752	1505	9566
1963	4	640	406	3203	1046	7162
1964	4	686	902	7216	1588	11625
1965	4	869	801	6408	1670	11248
1966	4	1311	469	3987	1780	13497
1967	4	1243	420	3570	1663	12683
1968	4	566	146	1163	712	4228
1969	4	468	44	294	512	3194
1970	4	512	191	1251	703	4285
1971	4	493	76	639	569	3849
1972	4	397	21	168	418	2777
1973	4	441	185	1682	626	4913
1974	4	502	229	1839	731	5095
1975	4	493	57	419	550	3879
1976	4	147	52	402	199	1328
1977	4	219	107	723	326	2286
1978	4	221	55	440	276	2334
1979	4	139	38	277	177	1191
1980	4	120	66	443	186	1317
1981	4	326	43	318	369	3154
1982	4	258	183	1292	441	3274
1983	4	261	103	852	364	2984
1984	4	158	51	366	209	1715
1985	4	86	49	362	135	1090
1986	4	273	63	227	336	2634
1987	3	245	82	675	327	2474
1988	4	221	305	2469	526	4001
1989	4	174	72	503	246	1720
1990	3	157	84	661	241	1794

Notes: The river Seiont seine net fishery operates in the Menai Strait and exploits fish from more than one stock, catch data are thought to include fish from the river Gwyrfai (Table 9.49) in particular. Fish from other local rivers are also likely to have been included with the Seiont catch. Prior to 1966, rod catch data for most years were aggregated for the rivers Llyfni (Table 9.48), Gwyrfai (Table 9.49) and Seiont, and are included above.

Table 9.51 River Seiont - migratory trout

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	4	194	545	1090	739	1963
1952	4	180	2500	2500	2680	3050
1953	3	64	1941	3882	2005	4059
1954	4	42	4900	7625	4942	7813
1955	4	47	147	188	947	1947
1956	4	84	3323	4984	3407	5292
1957	5	74	279	4352	2986	4631
1958	5	71	350	5988	4862	6338
1959	5	60	280	4791	1639	3438
1960	5	96	441	3998	2080	4439
1961	5	76	347	1814	1890	3520
1962	5	161	723	2127	2288	3382
1963	4	74	349	1805	1879	3289
1964	4	259	1211	7257	7516	14681
1965	4	214	954	8191	8405	17336
1966	4	186	859	5417	5603	-
1967	4	230	1119	3089	3319	-
1968	4	157	710	3392	3549	-
1969	4	129	518	620	749	-
1970	4	56	244	991	1047	-
1971	4	118	534	813	931	1997
1972	4	106	464	2060	2166	3902
1973	4	201	952	1710	1911	2662
1974	4	471	1996	662	1133	2776
1975	4	485	2167	687	1172	2985
1976	4	280	1292	171	451	1521
1977	4	354	1447	234	588	1759
1978	4	170	776	170	340	1118
1979	4	452	1612	412	864	2081
1980	4	271	1132	446	717	1783
1981	4	366	776	666	1032	2087
1982	4	425	1803	643	1068	2708
1983	4	423	2065	862	1285	3052
1984	4	445	1850	186	631	2108
1985	4	190	679	337	527	1118
1986	4	216	948	290	506	1367
1987	3	58	183	476	534	919
1988	4	138	452	489	627	1146
1989	4	132	723	127	259	924
1990	3	85	399	216	202	615

Table 9.52 River Ogwen - salmon

YEAR	SEINE NET CATCH			ROD CATCH			TOTAL CATCH		
	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-	-	-	-
1952	1	30	360	87	670	117	1030	-	-
1953	4	17	181	110	1155	127	1336	-	-
1954	3	17	146	159	1561	176	1707	-	-
1955	3	134	1117	117	936	251	2053	-	-
1956	3	114	788	375	3375	489	4163	-	-
1957	2	214	1704	309	2935	523	4639	-	-
1958	2	340	2170	380	3610	720	5780	-	-
1959	2	351	2604	36	360	387	2964	-	-
1960	2	159	1177	167	1503	326	2680	-	-
1961	2	147	921	163	1467	310	2388	-	-
1962	2	383	2409	174	1745	557	4154	-	-
1963	2	286	2305	251	2483	537	4788	-	-
1964	2	198	1443	291	2971	489	4414	-	-
1965	2	169	1165	173	1384	342	2549	-	-
1966	2	142	1154	134	-	276	-	-	-
1967	2	416	3274	227	-	643	-	-	-
1968	2	224	1964	140	-	364	-	-	-
1969	2	278	1978	22	-	300	-	-	-
1970	2	148	815	190	-	338	-	-	-
1971	2	184	1220	65	-	249	-	-	-
1972	2	104	536	103	927	207	1463	-	-
1973	2	70	535	181	1570	251	2105	-	-
1974	2	34	275	273	2385	307	2660	-	-
1975	2	67	353	109	806	176	1159	-	-
1976	2	72	406	75	535	147	941	-	-
1977	2	55	400	113	731	168	1131	-	-
1978	2	104	658	59	428	163	1086	-	-
1979	2	73	562	55	379	128	941	-	-
1980	2	71	554	69	451	140	1005	-	-
1981	2	112	1057	39	302	151	1359	-	-
1982	2	101	877	51	333	152	1210	-	-
1983	2	147	1254	73	535	220	1789	-	-
1984	2	263	1900	79	533	342	2433	-	-
1985	2	104	802	83	540	187	1342	-	-
1986	2	303	2654	122	798	425	3452	-	-
1987	2	139	1069	146	1139	285	2208	-	-
1988	2	156	1102	197	1442	353	2544	-	-
1989	2	117	970	151	1069	268	2039	-	-
1990	2	171	1777	87	589	258	2366	-	-

Notes: No data were reported for the Ogwen district in 1951. Seine net data for the period 1952-66 include small catches made in N. Anglesey (Table 9.55). Similarly, the rod data for the period 1952-73 include small catches made in the river Aber (Table 9.54).

Table 9.53 River Ogwen - migratory trout

YEAR	SEINE NET CATCH			ROD CATCH			TOTAL CATCH		
	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-	-	-	-
1952	1	1	-	-	-	1500	1500	1500	1500
1953	4	8	45	-	-	358	716	366	761
1954	3	11	51	-	-	606	1212	617	1263
1955	3	114	416	-	-	820	1640	934	2056
1956	3	156	751	-	-	1050	2100	1206	2851
1957	2	240	1017	-	-	957	1165	1197	2182
1958	2	298	838	-	-	598	1196	896	2034
1959	2	171	759	-	-	539	808	710	1567
1960	2	157	266	-	-	453	906	610	1172
1961	2	90	359	-	-	369	553	459	912
1962	2	164	602	-	-	423	1019	587	1621
1963	2	295	1276	-	-	657	1517	952	2793
1964	2	302	1126	-	-	472	1787	774	2913
1965	2	476	1741	-	-	401	802	877	2543
1966	2	186	680	-	-	603	600	789	1280
1967	2	314	1204	-	-	534	1068	848	2272
1968	2	300	1394	-	-	516	1032	816	2426
1969	2	178	562	-	-	207	414	385	976
1970	2	62	221	-	-	384	774	446	995
1971	2	183	721	-	-	351	877	534	1598
1972	2	118	376	-	-	325	650	443	1026
1973	2	110	584	-	-	367	522	477	1106
1974	2	20	85	-	-	427	1057	447	1142
1975	2	71	162	-	-	222	427	293	589
1976	2	87	268	-	-	116	250	203	518
1977	2	68	277	-	-	170	245	238	522
1978	2	42	176	-	-	120	152	162	328
1979	2	104	418	-	-	203	300	307	718
1980	2	43	195	-	-	123	211	166	406
1981	2	59	324	-	-	206	298	265	622
1982	2	110	534	-	-	98	173	208	707
1983	2	85	374	-	-	306	444	391	818
1984	2	283	1206	-	-	178	291	461	1497
1985	2	114	474	-	-	194	258	308	732
1986	2	198	1115	-	-	148	225	346	1340
1987	2	110	450	-	-	259	399	369	849
1988	2	155	641	-	-	128	242	283	883
1989	2	47	227	-	-	49	117	96	344
1990	2	67	377	-	-	59	95	126	472

Table 9.54 River Aber - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	----- No data available -----			
1952-73	(a)	(a)	(a)	(a)
1974	23	187	90	214
1975	5	37	7	17
1976	1	4	0	0
1977	1	-	0	0
1978	20	134	0	0
1979	6	48	0	0
1980	1	9	3	6
1981	0	0	4	7
1982	1	5	5	10
1983	6	46	4	12
1984	1	3	10	13
1985	0	0	2	2
1986	4	28	4	10
1987	0	0	2	3
1988	1	9	4	7
1989	0	0	36	45
1990	1	10	7	10

Key: (a) Catches for 1952-73 were aggregated and included with the river Ogwen (Tables 9.52-9.53).

Table 9.55 North Anglesey - nets

YEAR	SALMON		MIGRATORY TROUT	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	----- No data available -----			
1952-62	(a)	(a)	(a)	(a)
1963	2	0	25	129
1964	-	-	-	-
1965	-	-	-	-
1966	-	-	-	-
1967	2	49	83	258
1968	-	-	-	-
1969	-	-	-	-
1970	2	0	36	160
1971	2	42	27	130
1972	2	0	37	147
1973	2	0	-	-
1974	2	0	17	87
1975	2	0	22	122
1976	2	0	26	126
1977	2	0	23	110
1978	2	0	17	90
1979	2	0	27	130
1980	2	0	11	51
1981	2	0	16	53
1982	2	0	31	166
1983	2	0	19	83
1984	2	0	39	163
1985	2	0	11	40
1986	1	0	12	55
1987	2	0	24	97
1988	2	0	11	35
1989	2	0	14	51
1990	1	0	2	4

Key: (a) Catches for the period 1952-66 (except 1963) were aggregated and included with the river Ogwen (Tables 9.52-9.53).

Table 9.56 River Conwy - salmon

YEAR	NET & FIXED ENGINE CATCH										ROD CATCH		TOTAL CATCH	
	SEINE NETS			FIXED ENGINES			NETS + FIXED ENGINES				NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC				
1951	3	362	2727	-	-	-	3	362	2727	628	5024	990	7751	
1952	9	-	-	1	-	-	10	266	2255	908	5879	1174	8134	
1953	9	-	-	1	-	-	10	225	2028	711	5652	936	7680	
1954	9	-	-	1	-	-	10	172	1116	685	5824	857	6940	
1955	9	-	-	2	-	-	11	315	2310	824	8778	1139	11088	
1956	9	-	-	2	-	-	11	498	3193	1159	9842	1657	13035	
1957	9	-	-	2	-	-	11	335	2214	1171	9368	1506	11582	
1958	9	-	-	2	-	-	11	305	2642	1302	10416	1607	13058	
1959	9	-	-	2	-	-	11	332	2185	523	4445	855	6630	
1960	8	-	-	2	-	-	10	348	2549	731	5848	1079	8397	
1961	7	-	-	2	-	-	9	231	1987	542	4607	773	6594	
1962	6	-	-	2	-	-	8	349	2473	919	6825	1268	9298	
1963	6	-	-	2	-	-	8	290	2226	793	6690	1083	8916	
1964	6	-	-	2	-	-	8	619	3936	1047	7439	1666	11375	
1965	5	-	-	2	-	-	7	300	2030	997	5707	1297	7737	
1966	6	437	3138	2	67	483	8	341	2622	871	7403	1212	10025	
1968	6	-	-	2	-	-	8	214	1823	556	4448	770	6271	
1969	6	-	-	2	-	-	8	177	1355	450	3575	627	4930	
1970	6	109	734	2	58	380	8	167	1114	807	5558	974	6672	
1971	6	142	1038	2	32	226	8	174	1264	651	5533	825	6797	
1972	6	83	637	2	47	370	8	130	1007	633	5380	763	6387	
1973	6	157	1160	2	0	0	8	157	1160	623	4782	780	5942	
1974	6	87	615	1	13	104	7	100	719	835	6157	935	6876	
1975	6	146	1096	1	43	361	7	189	1457	795	6360	984	7817	
1976	6	154	1255	1	5	43	7	159	1298	397	2936	556	4234	
1977	6	175	1099	1	26	191	7	201	1290	568	4351	769	5641	
1978	6	61	506	1	38	246	7	99	752	502	4434	601	5186	
1979	6	58	384	1	6	51	7	64	435	266	2060	330	2495	
1980	6	91	634	1	8	75	7	99	709	380	3214	479	3923	
1981	5	112	808	1	7	62	6	119	870	405	3681	524	4551	
1982	6	170	1344	1	9	77	7	179	1421	401	3267	580	4688	
1983	6	336	2551	1	0	0	7	336	2551	478	3614	814	6165	
1984	6	253	1861	1	0	0	7	253	1861	272	2000	525	3861	
1985 *	6	106	761	1	37	315	7	143	1076	401	3133	544	4209	
1986	6	148	1221	1	23	216	7	171	1437	472	3847	643	5284	
1987	4	95	644	1	11	88	5	106	732	413	3344	519	4076	
1988	6	143	1017	1	24	159	7	167	1176	733	5710	900	6886	
1989	6	186	1530	1	0	0	7	186	1530	342	2390	528	3920	
1990	5	86	844	1	6	35	6	92	879	428	3375	520	4254	

Note: Over the review period net & fixed engine catches were not always available by method of capture.

Key: * Denotes year in which data differ from that published elsewhere by MAFF.

Table 9.57 River Conroy - migratory trout

YEAR	NET & FIXED ENGINE CATCH						ROD CATCH		TOTAL CATCH	
	SEINE NETS			FIXED ENGINES			NETS + FIXED ENGINES		NO	WEIGHT (LBS)
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO		
1951	3	-	-	-	-	-	3	-	-	-
1952	9	-	-	1	-	-	10	18	72	1308
1953	9	-	-	1	-	-	10	13	53	1578
1954	9	-	-	1	-	-	10	10	39	1165
1955	9	-	-	2	-	-	11	24	92	1477
1956	9	-	-	2	-	-	11	60	251	2421
1957	9	-	-	2	-	-	11	58	271	1886
1958	9	-	-	2	-	-	11	62	337	1268
1959	9	-	-	2	-	-	11	53	256	1111
1960	8	-	-	2	-	-	10	65	402	1256
1961	7	-	-	2	-	-	9	33	209	2073
1962	6	-	-	2	-	-	8	91	504	1842
1963	6	-	-	2	-	-	8	94	606	2517
1964	6	-	-	2	-	-	8	236	1076	2905
1965	5	-	-	2	-	-	7	82	495	1088
1966	6	-	-	2	-	-	8	77	383	697
1967	6	101	514	2	10	39	8	111	553	762
1968	6	-	-	2	-	-	8	79	409	1214
1969	6	-	-	2	-	-	8	27	158	499
1970	6	26	115	2	11	40	8	37	155	449
1971	6	44	163	2	7	42	8	51	205	362
1972	6	35	162	2	7	45	8	42	207	775
1973	6	40	146	2	0	0	8	40	146	408
1974	6	51	182	1	33	175	7	84	357	543
1975	6	67	311	1	1	8	7	68	319	714
1976	6	91	453	1	0	0	7	91	453	191
1977	6	73	349	1	0	0	7	73	349	463
1978	6	21	86	1	0	0	7	21	86	266
1979	6	58	400	1	0	0	7	58	400	475
1980	6	93	252	1	6	16	7	99	268	496
1981	5	58	176	1	2	4	6	60	180	411
1982	6	85	303	1	0	0	7	85	303	323
1983	6	119	405	1	0	0	7	119	405	422
1984	6	212	780	1	0	0	7	212	780	230
1985 *	6	61	183	1	0	0	7	61	183	390
1986	6	78	302	1	0	0	7	78	302	608
1987	4	113	309	1	0	0	5	113	309	794
1988	6	115	344	1	0	0	7	115	344	479
1989	6	69	295	1	0	0	7	69	295	224
1990	5	30	150	1	0	0	6	30	150	276

Note: Over the review period net & fixed engine catches were not always available by method of capture.

Key: * Denotes year in which data differ from that published elsewhere by MAFF.

Table 9.58 River Clwyd - salmon

YEAR	SLING NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951			168	1512	-	-
1952			85	700	-	-
1953			119	1163	-	-
1954			207	1656	-	-
1955			141	973	-	-
1956			181	1267	-	-
1957			340	2846	-	-
1958			384	3200	-	-
1959			372	3407	-	-
1960			455	3959	-	-
1961			503	4296	-	-
1962			386	3485	-	-
1963			424	3766	-	-
1964			362	3015	-	-
1965			421	3415	-	-
1966			492	4114	-	-
1967			316	2718	-	-
1968			131	1123	828	4957
1969			91	777	863	4604
1970			124	1079	847	5392
1971			201	1624	1206	7215
1972			391	2993	1609	9824
1973			217	1736	1092	6135
1974			230	1723	1334	7657
1975			208	1408	1436	6959
1976			182	1460	1085	6068
1977			86	652	598	3581
1978			225	933	1476	8019
1979			62	442	934	4973
1980			112	773	1221	6778
1981			88	658	1127	6661
1982			65	417	594	3877
1983			99	680	422	2548
1984			103	619	447	2495
1985			145	822	440	2343
1986			160	992	420	2579
1987			207	1349	466	2740
1988			280	1964	547	3573
1989			97	593	186	1173
1990			103	688	166	1142

Notes: For the period 1951-66 sling (drift) net data for the Clwyd were reported for salmon and sea trout combined and have not been included here. Catches for 1967 were thought to be unreliable and have also been excluded.

Rod catch data were derived entirely from bailiff's reports until 1976.

Table 9.59 River Clwyd - migratory trout

YEAR	SLING NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951			320	640	-	-
1952			350	650	-	-
1953			-	-	-	-
1954			450	675	-	-
1955			384	-	-	-
1956			648	-	-	-
1957			-	-	-	-
1958			1000	-	-	-
1959			1009	-	-	-
1960			-	-	-	-
1961			-	-	-	-
1962			-	-	-	-
1963			3000	-	-	-
1964			-	-	-	-
1965			-	-	-	-
1966			-	-	-	-
1967			1303	-	-	-
1968			528	1488	875	-
1969			629	1945	1080	3014
1970			1447	2215	1986	4755
1971			8	3355	523	1388
1972			8	2384	610	1225
1973			8	2760	612	1287
1974			8	4078	418	3984
1975			8	4417	1176	5123
1976			8	2934	558	3908
1977			8	4070	740	5179
1978			8	5042	490	5747
1979			8	6254	1058	7802
1980			8	7827	704	9085
1981			8	7430	768	8697
1982			8	3276	891	4609
1983			8	2906	1514	5027
1984			8	5476	1447	8009
1985			8	3216	1744	5928
1986			8	2575	1654	5284
1987			6	1711	1548	4515
1988			7	3122	1071	2012
1989			6	395	596	2723
1990			4	1380	368	1995

Notes: For the period 1951-66 sling (drift) net data for the Clwyd were reported for salmon and sea trout combined and have not been included here. Catches for 1967 were thought to be unreliable and have also been excluded.

Rod catch data were derived entirely from bailiff's reports until 1976.

Table 9.60 River Dee - salmon

YEAR	NET CATCH						TOTAL		ROD CATCH		TOTAL CATCH		
	TRAMMEL NETS		SEINE NETS		TOTAL		LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)							
1951	-	-	-	-	-	-	-	-	-	-	1601	-	-
1952	4	532	5170	34	1783	17085	38	2315	22255	1106	3421	-	-
1953	4	324	3240	33	799	7990	37	1123	11230	553	1676	7000	18230
1954	4	352	3565	35	1357	14022	39	1709	17587	994	2703	13518	31105
1955	4	299	2564	35	1182	12719	39	1481	15283	1006	2487	14547	29830
1956	4	504	4215	35	1126	10740	39	1630	14955	352	1982	6274	21229
1957	4	683	5154	35	1427	12581	39	2110	17735	1248	3358	15442	33177
1958	4	634	4837	34	910	7691	38	1544	12528	1261	2805	16141	28669
1959	4	822	6842	30	1810	15821	34	2632	22663	841	3473	8823	31486
1960	4	1141	9888	31	1868	17232	35	3009	27120	1526	4535	19218	46338
1961	4	727	5912	31	2032	20976	35	2739	26888	1156	3915	15245	42133
1962	4	983	7284	31	2338	19336	35	3321	26620	1020	4341	12158	38778
1963	4	1010	8323	33	2214	20583	37	3224	28906	1315	4539	15369	44275
1964	4	1256	9776	32	2999	25253	36	4255	35029	1057	5312	12736	47765
1965	4	828	6874	32	2518	22046	36	3346	28920	1514	4860	17380	46300
1966	4	1236	9426	33	3231	28041	37	4647	37467	1896	6363	22417	59884
1967	4	1490	11435	32	3159	26880	36	4649	38315	1180	5829	14668	52983
1968	4	460	3753	31	1521	13866	35	1981	17619	775	2756	8328	25947
1969	4	307	2577	31	1349	20146	35	1656	22723	609	2265	7141	29864
1970	4	358	2218	28	1519	10726	32	1877	12944	884	2761	12964	21935
1971	4	538	3778	30	1951	14886	34	2489	18664	772	3261	6928	25592
1972	4	695	5553	30	1957	19068	34	2652	24621	1221	3873	12964	37585
1973	4	415	3671	30	1823	17063	34	2238	20734	899	3137	10712	31446
1974	4	513	3609	29	1945	15167	33	2458	18776	782	3240	7475	26251
1975	4	468	3714	30	2319	20957	34	2787	24671	904	3691	9353	34024
1976	4	297	2276	30	2505	19527	34	2802	21803	406	3208	4089	25892
1977	4	121	1007	30	1981	18565	34	2102	19572	665	2767	6372	25944
1978	4	247	1497	30	1883	16129	34	2130	17626	639	2769	6762	24388
1979	4	135	971	29	1019	8837	33	1154	9808	507	1661	4917	14725
1980	4	332	2618	30	1510	12909	34	1842	15527	580	2422	5395	20922
1981	4	421	3848	30	1808	17815	34	2229	21663	707	2936	7468	29131
1982	4	335	2954	29	621	4803	33	956	7757	582	1538	6057	13814
1983	4	264	2086	27	800	6561	31	1064	8647	522	1586	5405	14052
1984	4	265	1814	30	746	5701	34	1011	7515	273	1284	2535	10050
1985*	4	268	2161	30	437	3274	34	705	5435	486	1191	4214	9649
1986	4	261	2586	30	795	6839	34	1056	9425	739	1795	7297	16722
1987	4	333	3347	21	541	3975	25	874	7322	633	1507	6625	13947
1988*	4	320	2551	26	616	4418	30	936	6969	1019	1955	9394	16363
1989	4	381	3265	24	831	6283	28	1212	9548	273	1485	2385	11933
1990	4	235	2870	22	609	5020	26	844	7890	427	1271	4085	11975

* Denotes years in which data differ from that published elsewhere by MAFF.

Key:

Table 9.61 River Dee - migratory trout

YEAR	COMMERCIAL CATCH												ROD CATCH		TOTAL CATCH	
	TRAMMEL NETS			SEINE NETS			TOTAL			NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	
	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)	LIC	NO	WEIGHT (LBS)							
1951	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1952	4	-	-	34	-	-	38	-	-	-	-	-	-	-	-	
1953	4	-	-	33	-	-	37	93	202	-	-	-	-	-	-	
1954	4	12	54	35	101	164	39	113	218	-	-	-	-	-	-	
1955	4	-	-	35	-	-	39	-	-	-	-	-	-	-	-	
1956	4	-	-	35	-	-	39	-	-	-	-	-	-	-	-	
1957	4	-	-	35	-	-	39	105	472	-	-	-	-	-	-	
1958	4	-	-	34	-	-	38	-	-	-	-	-	-	-	-	
1959	4	-	-	30	-	-	34	-	-	-	-	-	-	-	-	
1960	4	-	-	31	-	-	35	-	-	-	-	-	-	-	-	
1961	4	-	-	31	-	-	35	208	733	-	-	-	-	-	-	
1962	4	-	-	31	-	-	35	117	385	-	-	-	-	-	-	
1963	4	63	255	33	92	299	37	155	554	-	-	-	-	-	-	
1964	4	59	239	32	113	351	36	172	590	-	-	-	-	-	-	
1965	4	63	242	32	190	641	36	253	883	-	-	-	-	-	-	
1966	4	-	-	33	-	-	37	395	1384	-	-	-	-	-	-	
1967	4	-	-	32	-	-	36	234	823	-	-	-	-	-	-	
1968	4	61	266	31	75	238	35	136	504	-	-	-	-	-	-	
1969	4	14	61	31	23	92	35	37	153	-	-	-	-	-	-	
1970	4	26	90	28	37	129	32	63	219	-	-	-	-	-	-	
1971	4	35	127	30	47	150	34	82	277	-	-	-	-	-	-	
1972	4	73	301	30	83	283	34	156	584	-	-	-	-	-	-	
1973	4	61	251	30	76	271	34	137	522	-	-	-	-	-	-	
1974	4	67	315	29	92	316	33	159	631	-	-	-	-	-	-	
1975	4	53	219	30	119	417	34	172	636	-	-	-	-	-	-	
1976	4	45	181	30	108	394	34	153	575	28	131	200	706	-	-	
1977	4	24	96	30	26	110	34	50	206	82	50	235	256	-	-	
1978	4	23	87	30	67	314	34	90	401	22	96	112	497	-	-	
1979	4	14	55	29	62	239	33	76	294	58	198	134	492	-	-	
1980	4	77	245	30	101	382	34	178	627	43	80	221	707	-	-	
1981	4	23	87	30	68	263	34	91	350	36	60	127	410	-	-	
1982	4	40	27	29	66	189	33	106	216	58	150	164	366	-	-	
1983	4	17	60	27	116	486	31	133	546	161	266	294	812	-	-	
1984	4	16	70	30	169	853	34	185	923	92	168	277	1091	-	-	
1985 *	4	15	68	30	92	355	34	107	423	140	254	247	677	-	-	
1986	4	58	406	30	90	478	34	148	884	155	437	303	1321	-	-	
1987	4	78	276	21	77	236	25	155	512	124	236	279	748	-	-	
1988	4	49	194	26	128	534	30	177	728	145	304	322	1032	-	-	
1989	4	27	139	24	80	368	28	107	507	76	143	183	650	-	-	
1990	4	9	40	22	31	139	26	40	179	84	165	124	344	-	-	

Notes: Only small numbers of sea trout are taken on the river Dee and catches have been unreliably reported at times during the review period.
Rod catch data for sea trout were not reported before 1975.

* Denotes year in which data differ from that published elsewhere by MAFF.

Table 9.62 Welsh Region - minor rivers - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-
1952	-	-	-	-
1953	-	-	81	243
1954	-	-	10	22
1955	2	20	33	94
1956	2	27	102	212
1957	-	-	176	384
1958	-	-	242	474
1959	-	-	84	182
1960	6	39	336	635
1961	7	53	341	712
1962	3	22	224	631
1963	1	14	44	79
1964	12	61	253	404
1965	7	50	96	150
1966	1	10	68	169
1967	1	8	148	353
1968	1	3	50	70
1969	-	-	11	8
1970	-	-	24	63
1971	-	-	230	309
1972	6	51	327	696
1973	36	288	552	850
1974	-	-	805	-
1975	4	-	641	-
1976	110	925	371	777
1977	219	1700	942	2111
1978	236	2208	981	1830
1979	204	1868	1309	2214
1980	258	2279	854	1582
1981	167	1552	1176	2387
1982	85	659	741	1314
1983	81	706	628	1203
1984	49	392	128	150
1985	36	200	205	362
1986	27	316	337	602
1987	25	214	403	673
1988	46	239	280	1189
1989	10	82	152	298
1990	17	150	91	199

Notes: Data includes catches from various small rivers and those of unspecified origin. From 1983, data for a number of these smaller rivers have been reported separately in this review. As a result, these data for minor rivers differ from those published elsewhere by MAFF.

Table 9.63 Welsh Region - totals

YEAR	ROD CATCH		MIGRATORY TROUT		NET & FIXED ENGINE CATCH		MIGRATORY TROUT		TOTAL CATCH		
	SALMON	NO WEIGHT (LBS)	LIC	SALMON	NO WEIGHT (LBS)	SALMON	NO WEIGHT (LBS)	SALMON	NO WEIGHT (LBS)	SALMON	NO WEIGHT (LBS)
1951	-	-	-	-	-	-	-	-	-	-	-
1952	8471	10155	-	-	-	-	-	-	-	-	-
1953	5985	10517	-	-	-	-	-	-	-	-	-
1954	9087	19215	-	-	-	-	-	-	-	-	-
1955	7782	12324	-	-	-	-	-	-	-	-	-
1956	7663	20349	-	-	-	-	-	-	-	-	-
1957	8001	16139	180	6612	6791	6612	6791	6612	14275	27140	27140
1958	10752	21192	172	7235	5684	7235	5684	5684	15236	21823	21823
1959	6162	8520	165	6959	6174	6959	6174	6174	17711	27366	27366
1960	7907	9921	164	8047	4276	8047	4276	4276	14209	12796	12796
1961	6195	13707	162	8361	4355	8361	4355	4355	16268	14276	14276
1962	10341	22115	154	6071	5461	6071	5461	5461	12266	19168	19168
1963	12717	29549	150	8674	5683	8674	5683	5683	19015	27798	27798
1964	10712	37806	151	8592	3869	8592	3869	3869	21309	33418	33418
1965	13203	43387	148	9783	5334	9783	5334	5334	20495	43140	43140
1966	17452	49611	152	11509	6397	11509	6397	6397	21697	48774	48774
1967	16495	30727	162	11088	7637	11088	7637	7637	28961	56008	56008
1968	8592	20916	158	6379	7390	6379	7390	7390	27583	38364	38364
1969	8035	16437	158	7833	4940	7833	4940	4940	14971	28306	28306
1970	10111	20359	152	8120	3336	8120	3336	3336	15868	21377	21377
1971	11552	14725	152	9008	5572	9008	5572	5572	18231	23695	23695
1972	14708	26542	155	9633	6228	9633	6228	6228	20560	20297	20297
1973	11311	22293	152	9006	7195	9006	7195	7195	24341	32770	32770
1974	13557	27826	163	8883	8849	8883	8849	8849	20317	29488	29488
1975	14125	22131	171	11107	91594	11107	91594	33135	22440	195769	36675
1976	5097	52409	179	7712	61501	7712	61501	28848	25232	233532	30064
1977	10546	102494	184	6492	55881	6492	55881	32568	12809	113910	18747
1978	9937	111330	178	7426	64865	7426	64865	6957	17038	158375	21693
1979	6520	59086	158	4552	34877	4552	34877	22048	17363	176195	21212
1980	9152	85398	175	6880	58174	6880	58174	35741	11072	93963	33139
1981	10734	114847	175	6880	58174	6880	58174	12407	16032	143572	33107
1982	6285	60743	187	9050	85359	9050	85359	9854	19784	200206	32466
1983	7381	68673	179	4481	39546	4481	39546	7820	10766	100289	29441
1984	3802	36001	165	4834	40252	4834	40252	8566	12215	108925	32127
1985	8876	80272	177	3947	33260	3947	33260	10937	7749	69261	29323
1986	8498	83027	183	3465	30917	3465	30917	5097	12341	111189	25965
1987	8193	74189	169	5031	46099	5031	46099	5098	13529	129126	26406
1988	16043	133395	149	4535	36391	4535	36391	4878	12728	110580	40605
1989	5454	47414	155	5010	39329	5010	39329	6591	21053	172724	37272
1990	5370	48532	141	5058	44364	5058	44364	6440	10512	91778	19643
			143	4377	46217	4377	46217	3588	9747	94749	13618
											41426

Notes: Net and fixed engine catch totals up to and including 1967 exclude data for the river Clwyd. For many years prior to 1976, incomplete weight data for certain fishery areas have precluded the collation of regional totals.

Figure 9.2 Rod catch of salmon for the River Wye
(from fishery owner's returns)

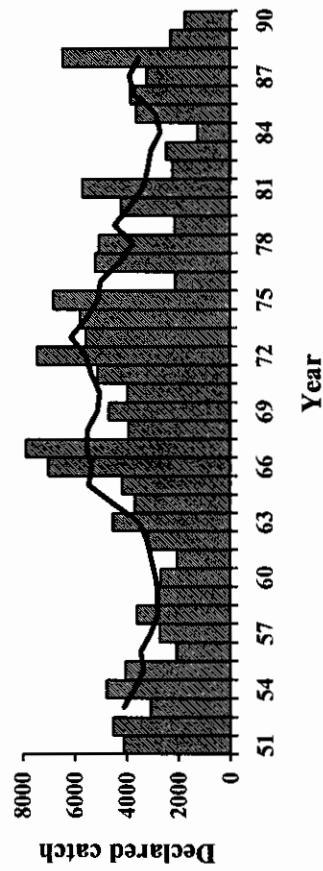


Figure 9.3 Declared net and fixed engine catch of
salmon for the River Wye

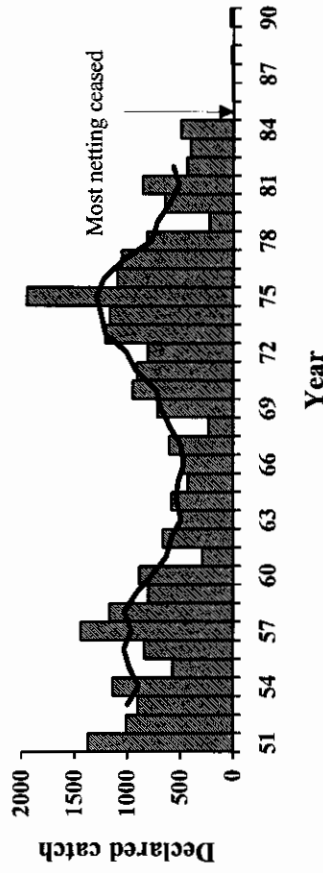


Figure 9.4 Declared rod catch of salmon for the River Usk

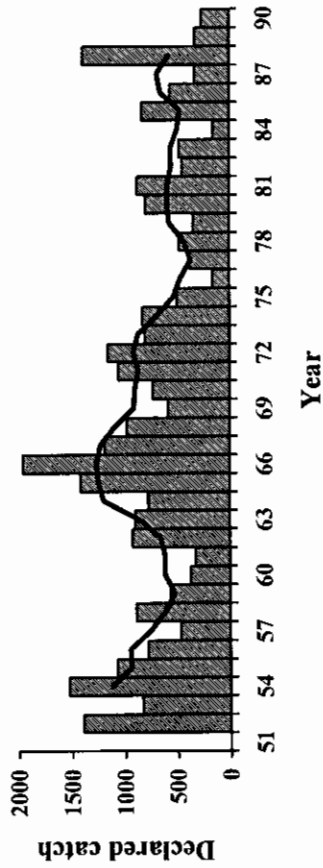


Figure 9.5 Declared rod catch of migratory trout for the River Usk

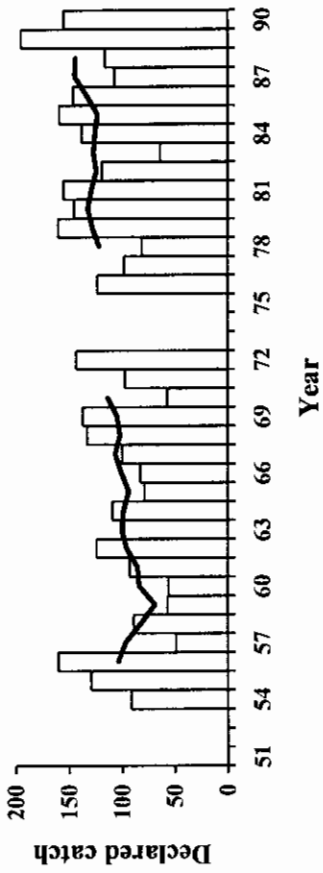


Figure 9.6 Declared net and fixed engine catch of salmon for the River Usk

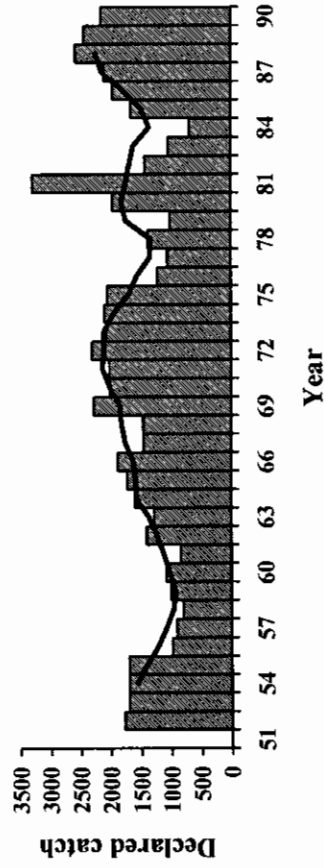


Figure 9.7 Declared net and fixed engine catch of migratory trout for the River Usk

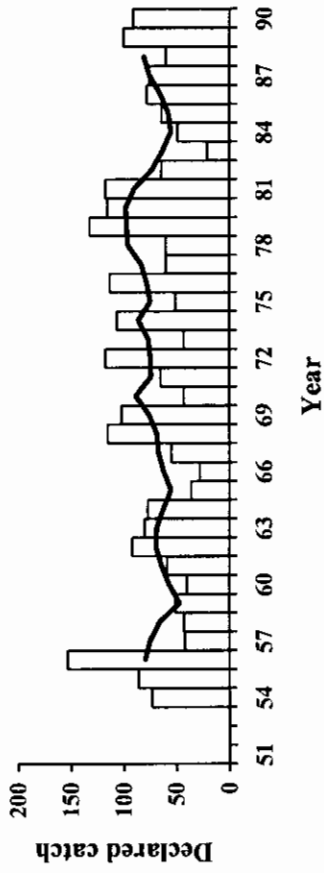


Figure 9.8 Declared rod catch of salmon for the River Ogmore

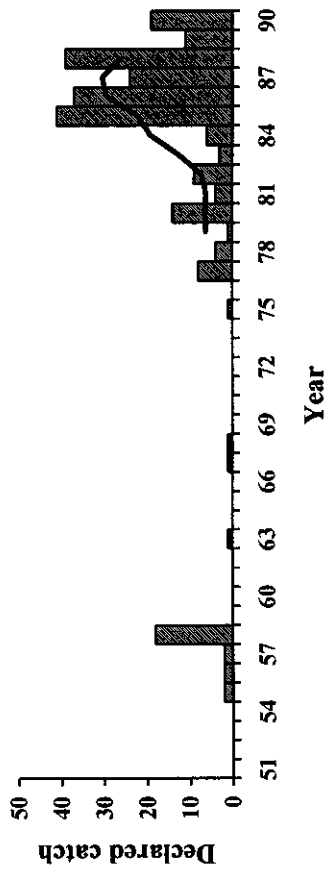


Figure 9.9 Declared rod catch of migratory trout for the River Ogmore

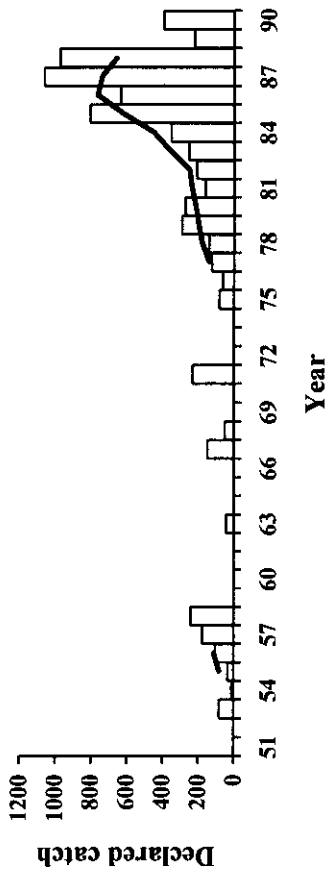


Figure 9.10 Declared rod catch of salmon for the River Neath

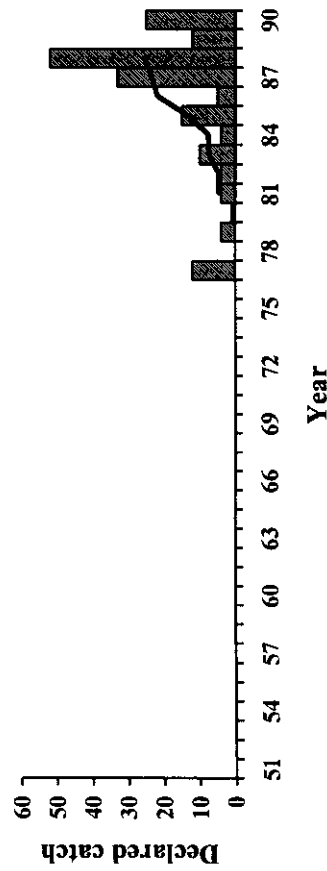


Figure 9.11 Declared rod catch of migratory trout for the River Neath

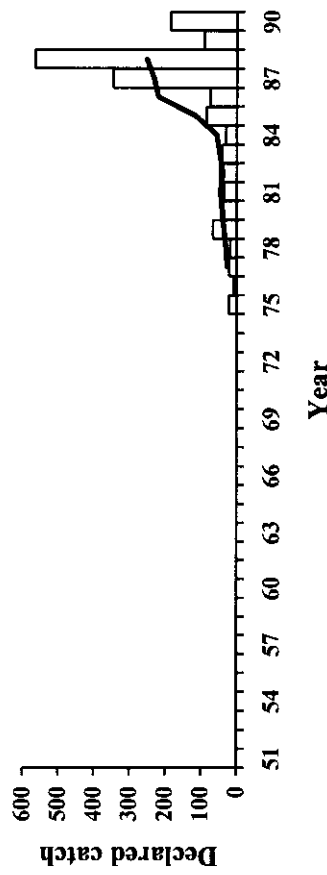


Figure 9.12 Declared rod catch of salmon for the River Tawe

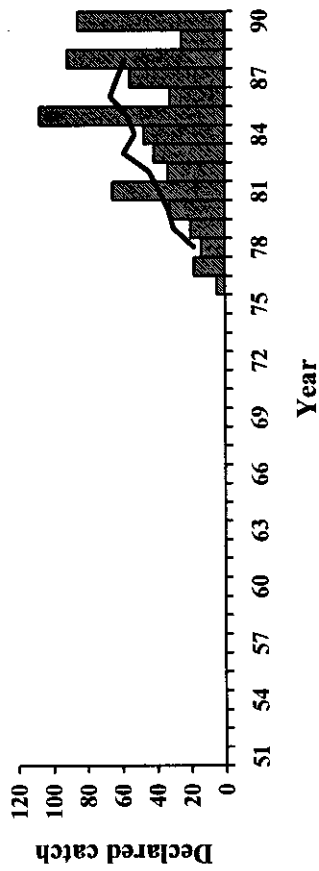


Figure 9.13 Declared rod catch of migratory trout for the River Tawe

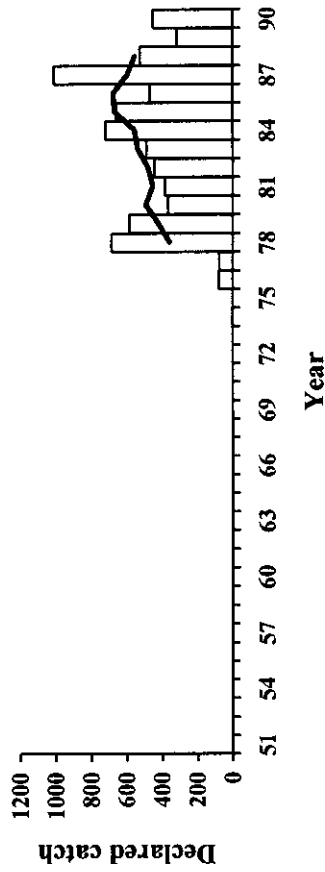


Figure 9.14 Declared rod catch of salmon for the River Loughor

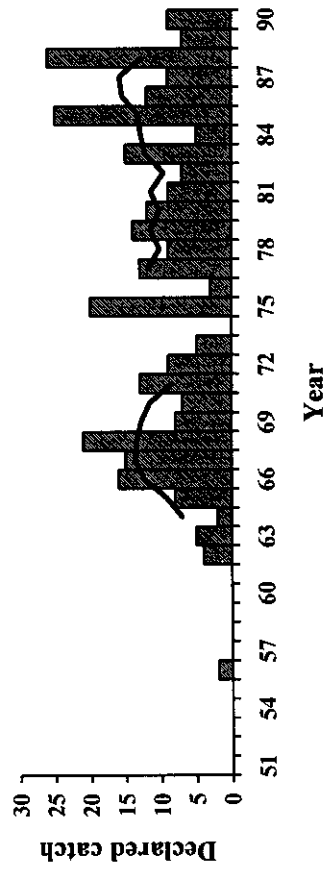


Figure 9.15 Declared rod catch of migratory trout for the River Loughor

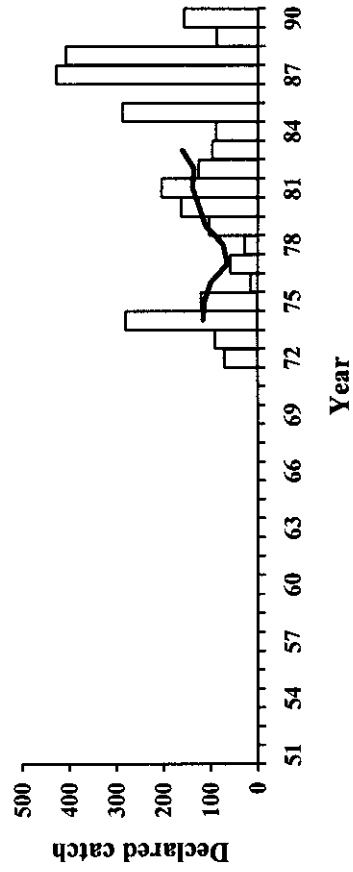


Figure 9.16 Declared rod catch of salmon for the River Tywi

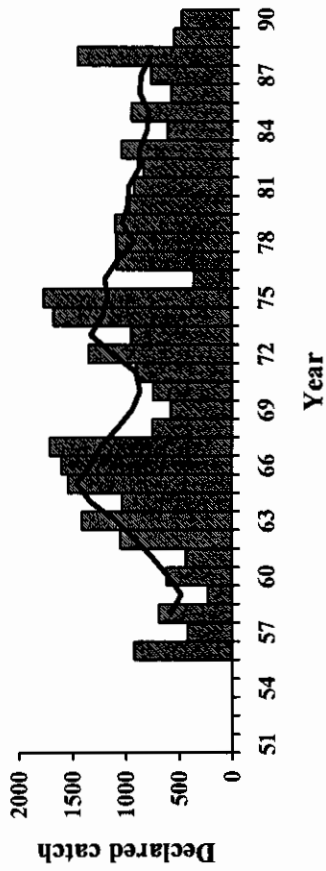


Figure 9.17 Declared rod catch of migratory trout for the River Tywi

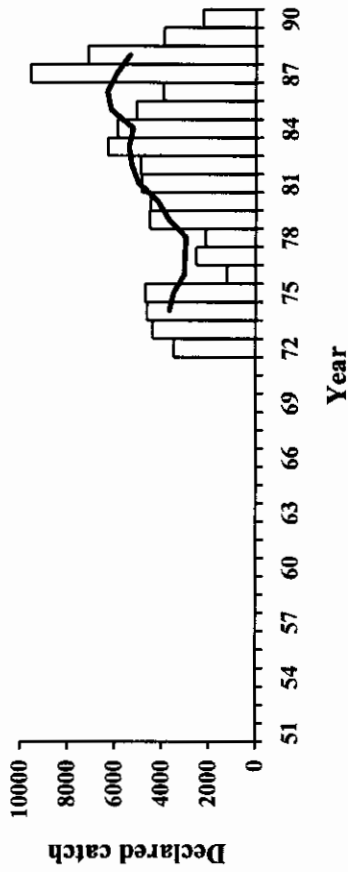


Figure 9.18 Declared net catch of salmon for the River Tywi

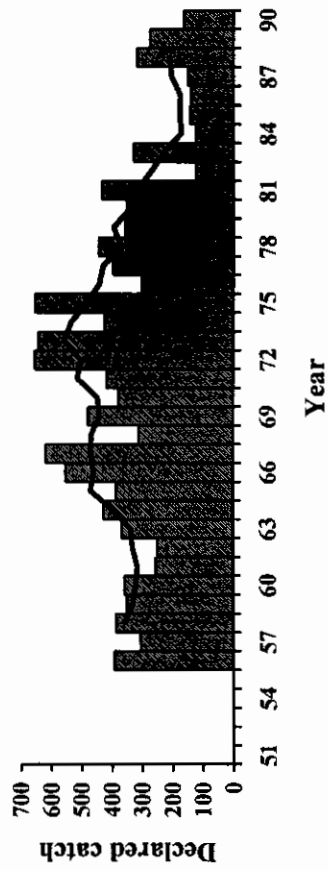


Figure 9.19 Declared net catch of migratory trout for the River Tywi

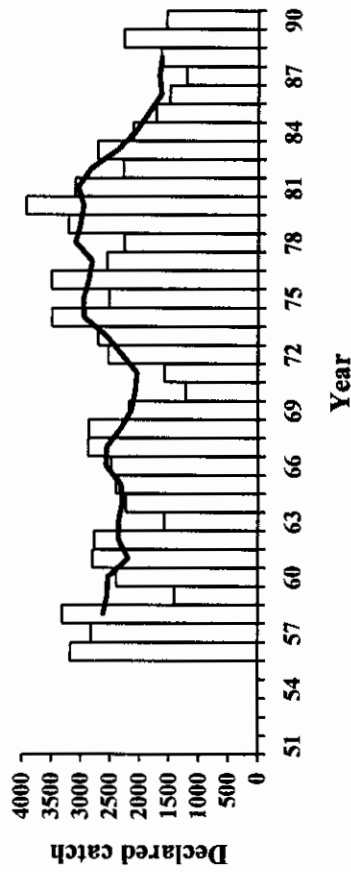


Figure 9.20 Declared rod catch of salmon for the River Taf

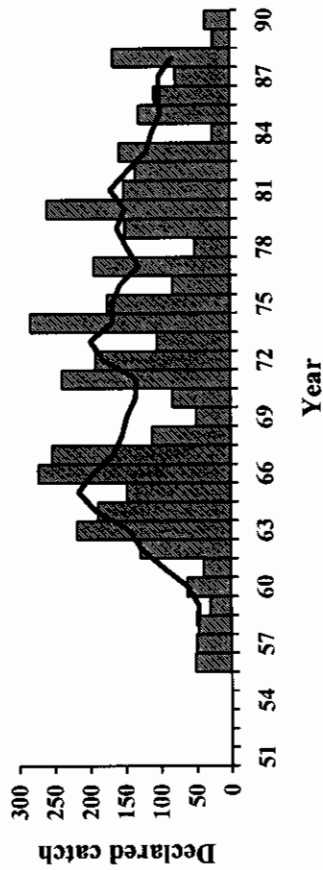


Figure 9.21 Declared rod catch of migratory trout for the River Taf

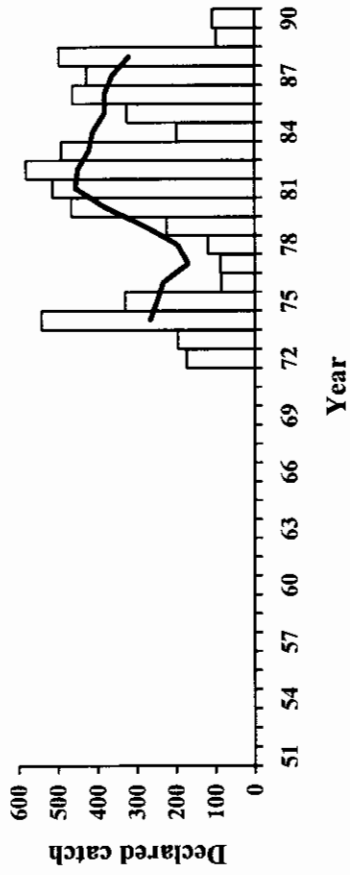


Figure 9.22 Declared net catch of salmon for the River Taf

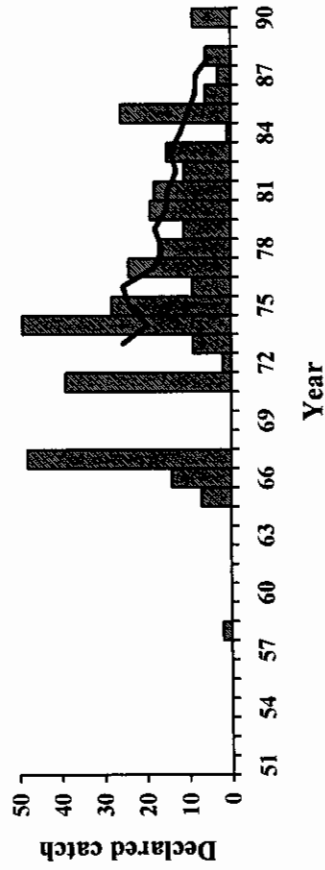


Figure 9.23 Declared net catch of migratory trout for the River Taf

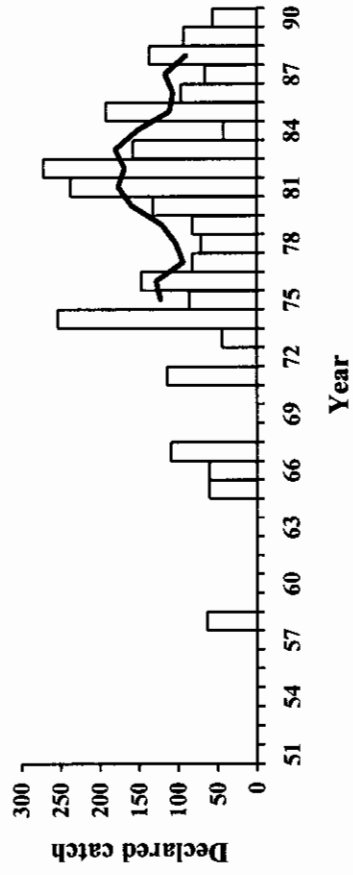


Figure 9.24 Declared net catch of salmon for the South West coastal area

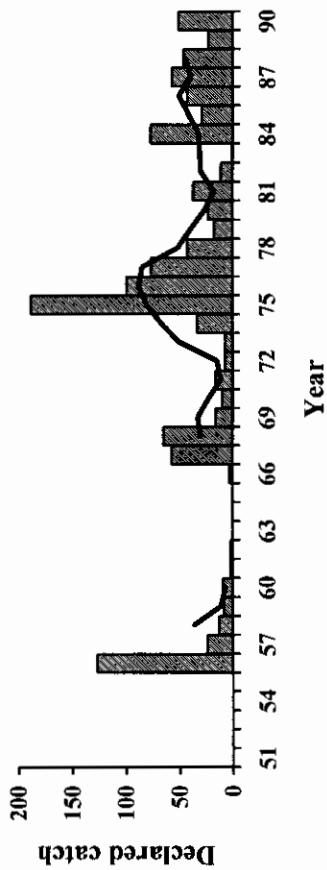


Figure 9.25 Declared net catch of migratory trout for the South West coastal area

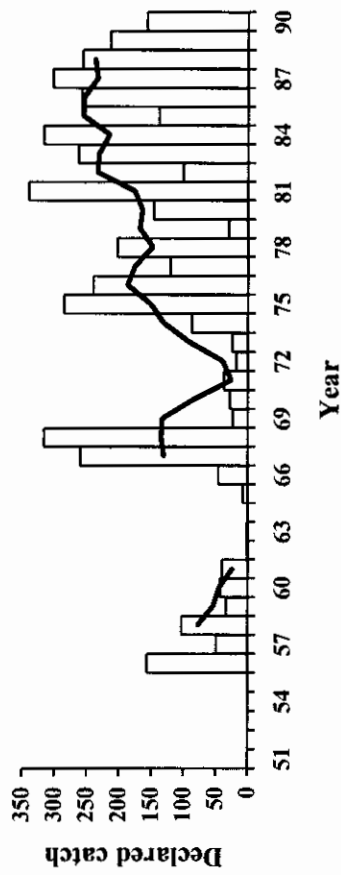


Figure 9.26 Declared net catch of salmon for the Dauceddau estuary

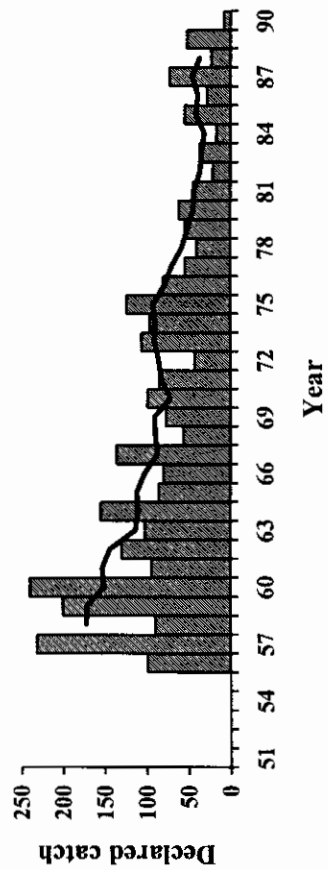


Figure 9.27 Declared net catch of migratory trout for the Dauceddau estuary

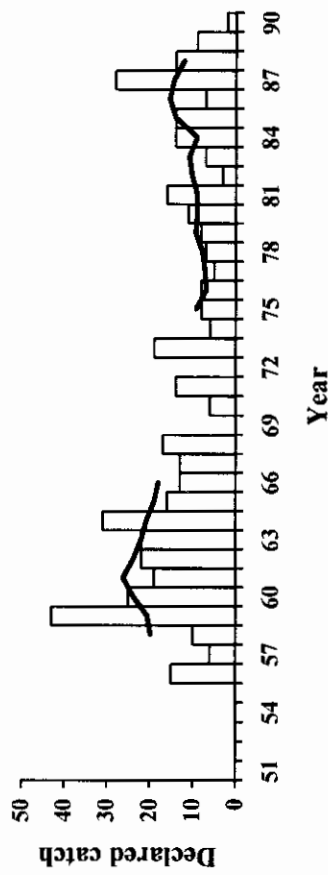


Figure 9.28 Declared rod catch of salmon for the River E. Cleddau

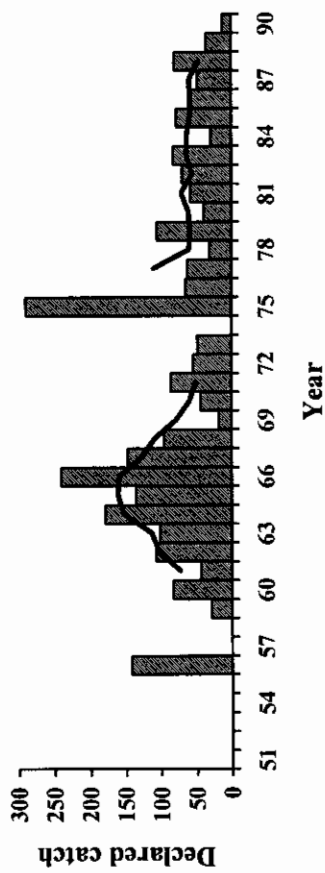


Figure 9.29 Declared rod catch of migratory trout for the River E. Cleddau

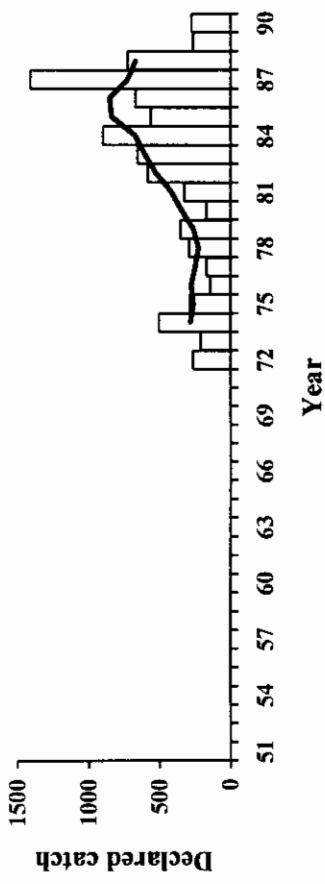


Figure 9.30 Declared rod catch of salmon for the River W. Cleddau

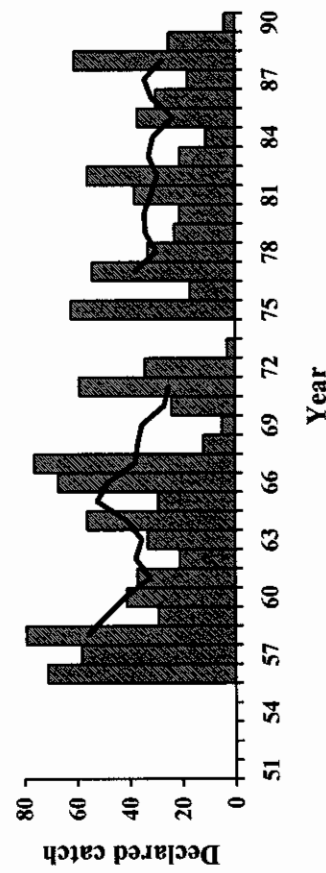


Figure 9.31 Declared rod catch of migratory trout for the River W. Cleddau

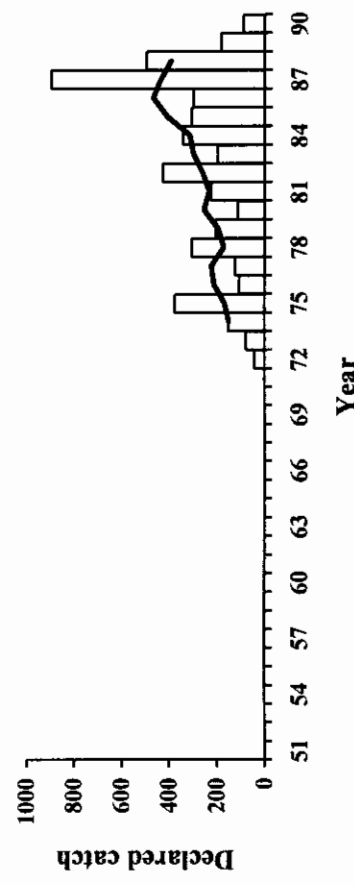


Figure 9.32 Declared rod catch of salmon for the River NeVERN

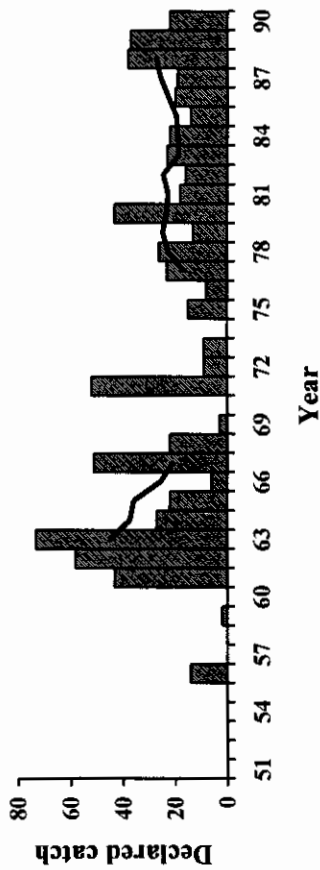


Figure 9.33 Declared rod catch of migratory trout for the River NeVERN

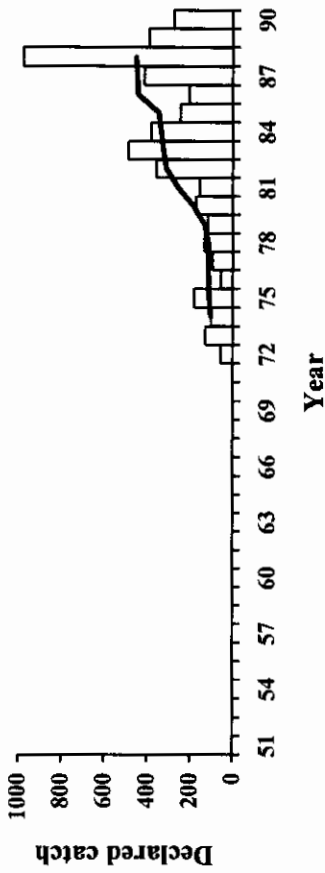


Figure 9.34 Declared net catch of salmon for the River NeVERN

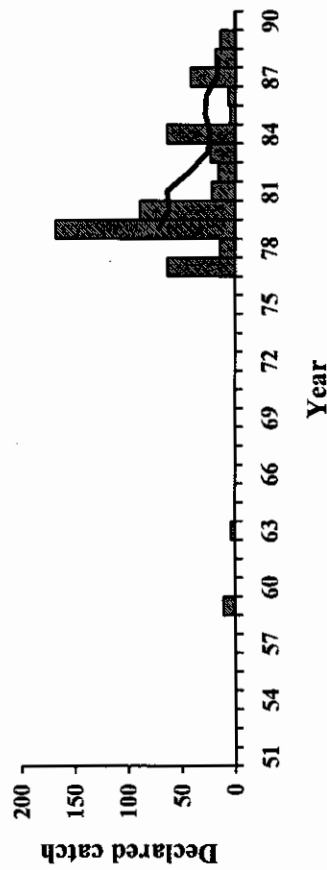


Figure 9.35 Declared net catch of migratory trout for the River NeVERN

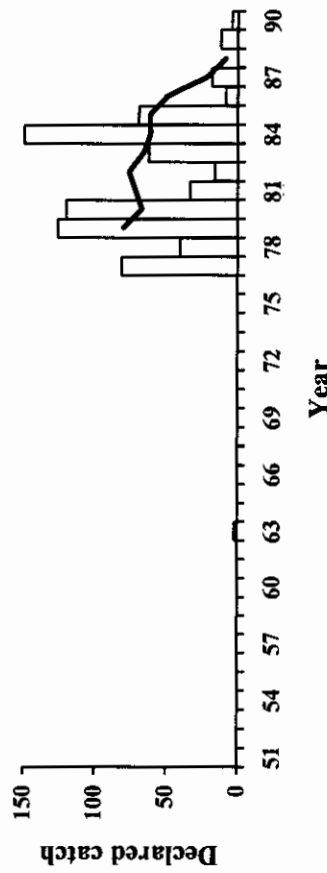


Figure 9.36 Declared rod catch of salmon for the River Teifi

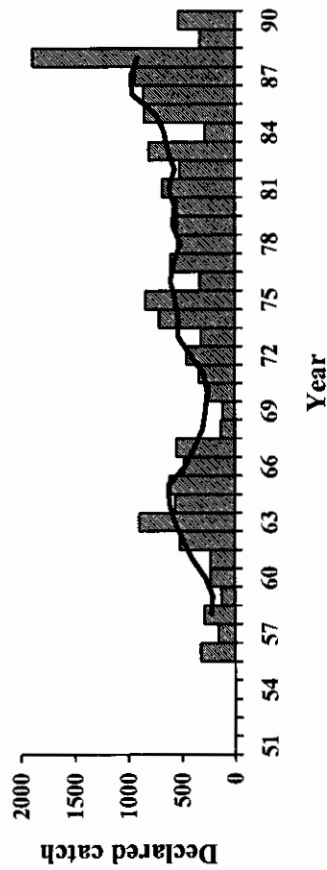


Figure 9.37 Declared rod catch of migratory trout for the River Teifi

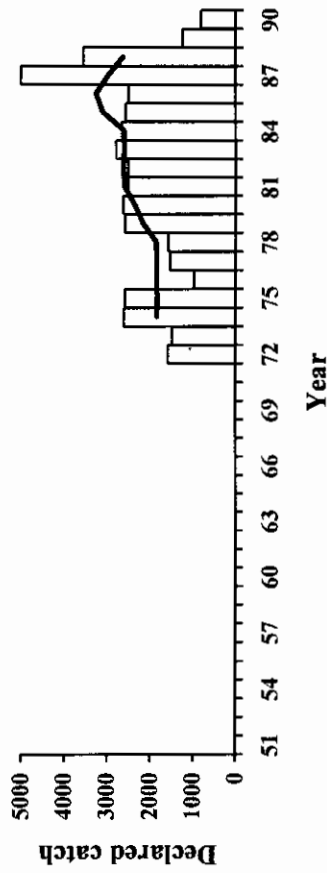


Figure 9.38 Declared net catch of salmon for the River Teifi

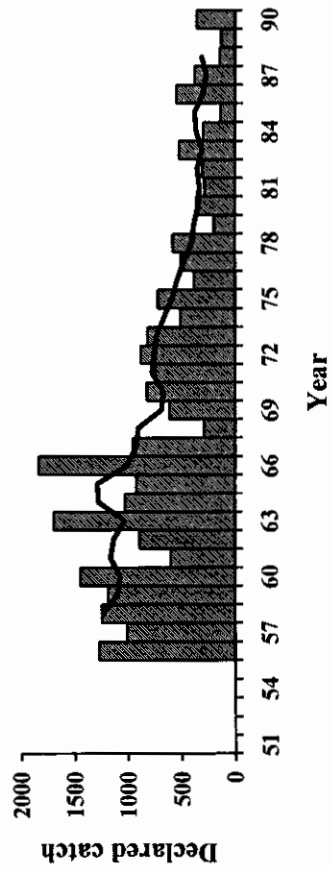


Figure 9.39 Declared net catch of migratory trout for the River Teifi

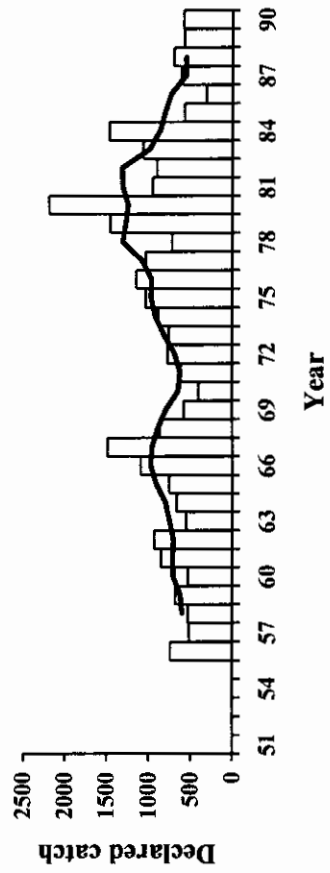


Figure 9.40 Declared rod catch of salmon for the River Aeron

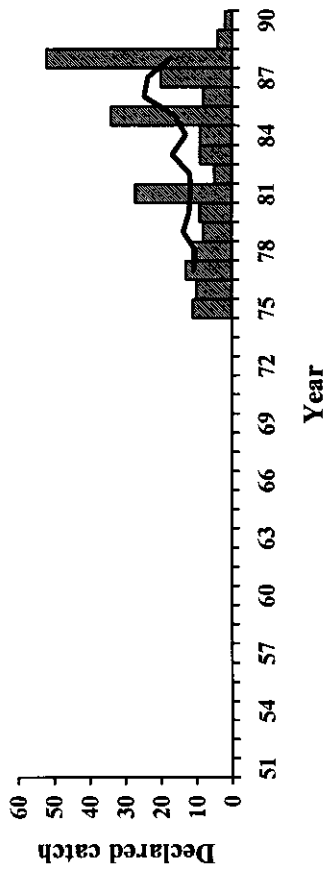


Figure 9.41 Declared rod catch of migratory trout for the River Aeron

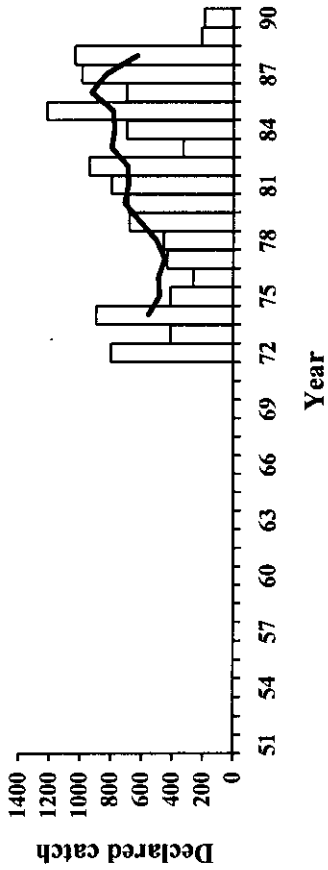


Figure 9.42 Declared rod catch of salmon for the River Ystwyth

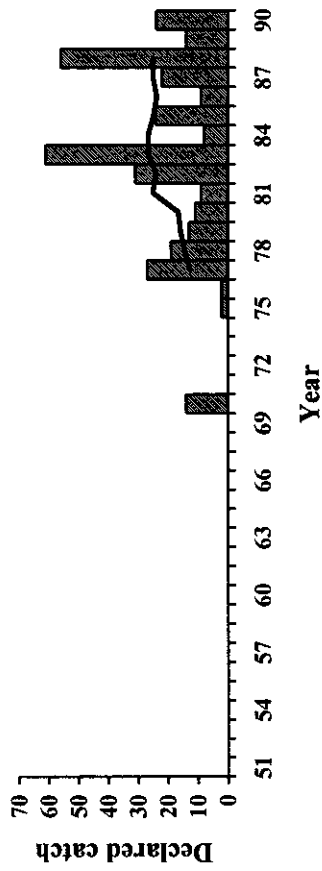


Figure 9.43 Declared rod catch of migratory trout for the River Ystwyth

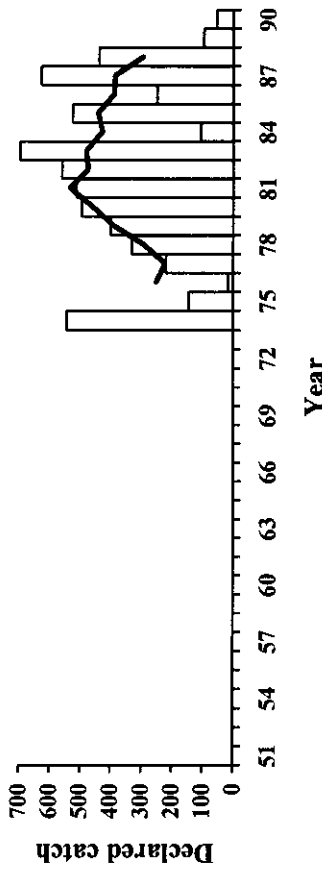


Figure 9.44 Declared rod catch of salmon for the River Rheidol

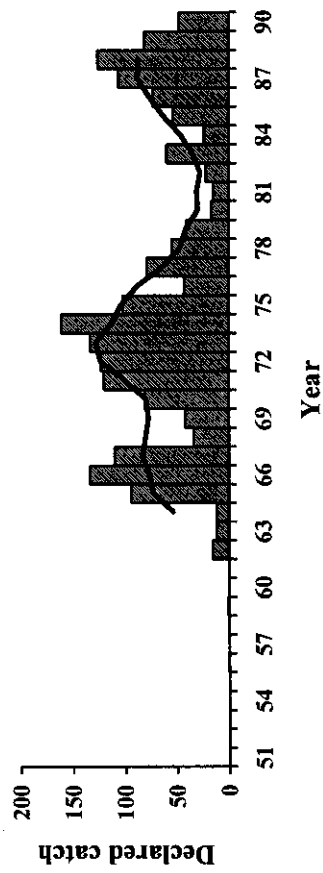


Figure 9.45 Declared rod catch of migratory trout for the River Rheidol

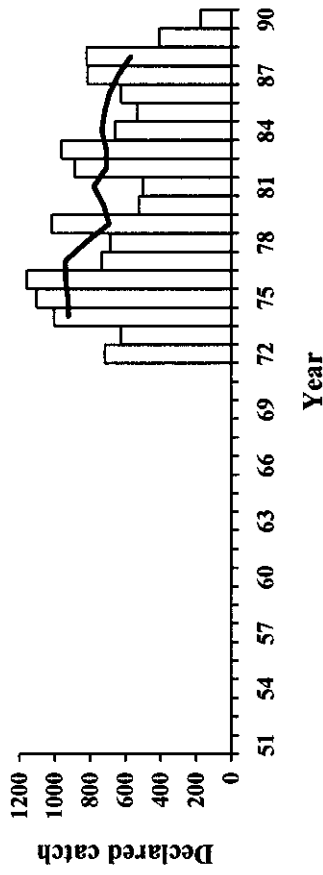


Figure 9.46 Declared rod catch of salmon for the River Dyfi

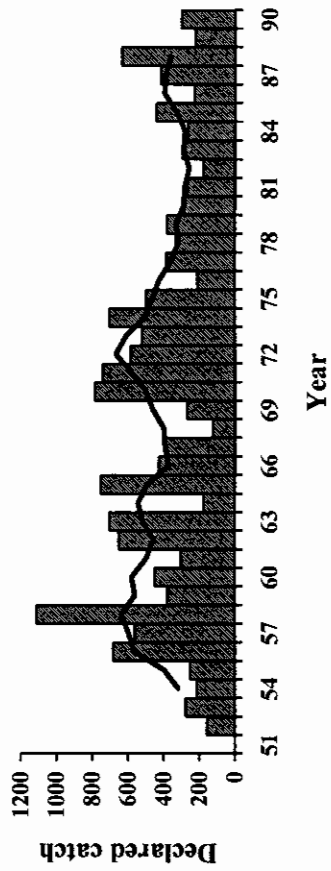


Figure 9.47 Declared rod catch of migratory trout for the River Dyfi

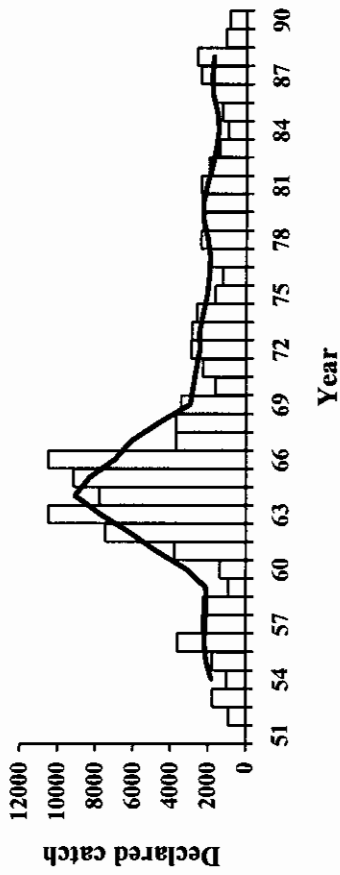


Figure 9.46 Declared rod catch of salmon for the River Dyfi

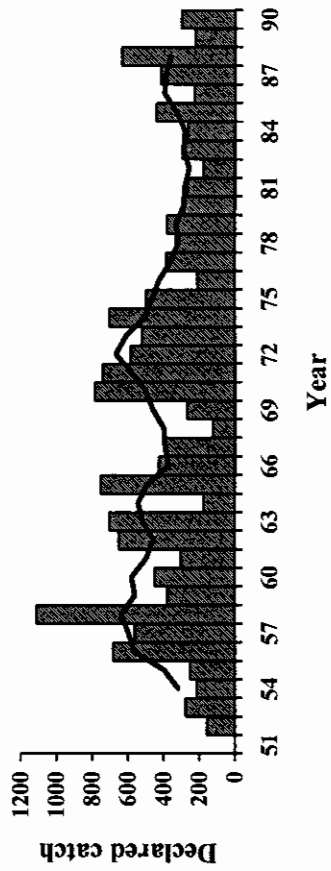


Figure 9.48 Declared net catch of salmon for the River Dyfi

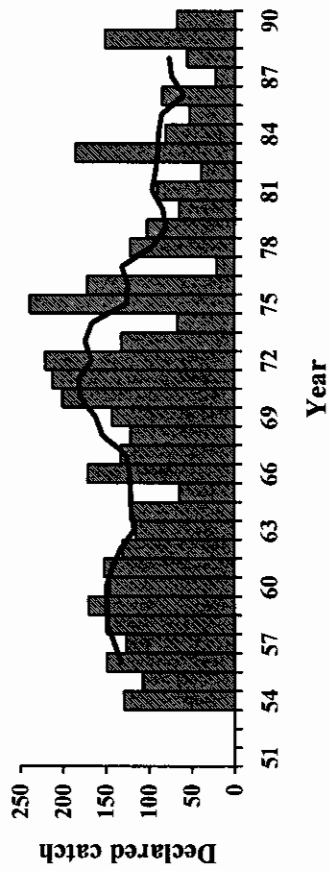


Figure 9.49 Declared net catch of migratory trout for the River Dyfi

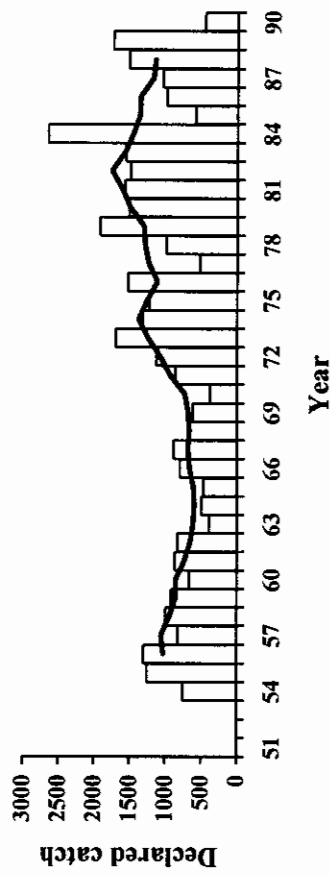


Figure 9.50 Declared rod catch of salmon for the River Dysynni

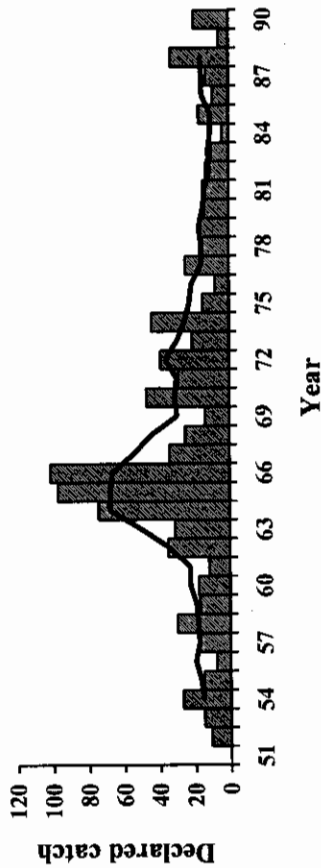


Figure 9.51 Declared rod catch of migratory trout for the River Dysynni

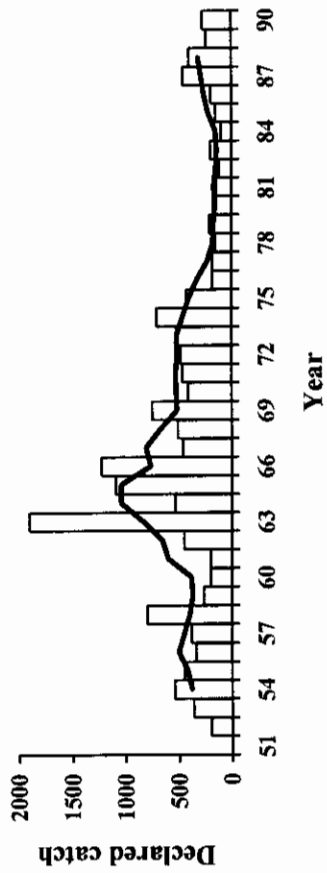


Figure 9.52 Declared net catch of salmon for the River Dysynni

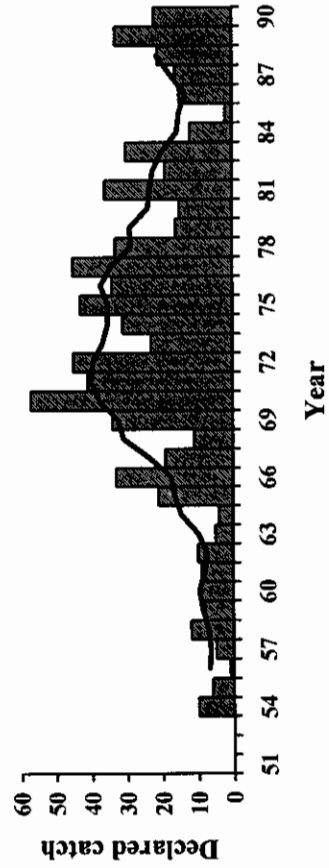


Figure 9.53 Declared net catch of migratory trout for the River Dysynni

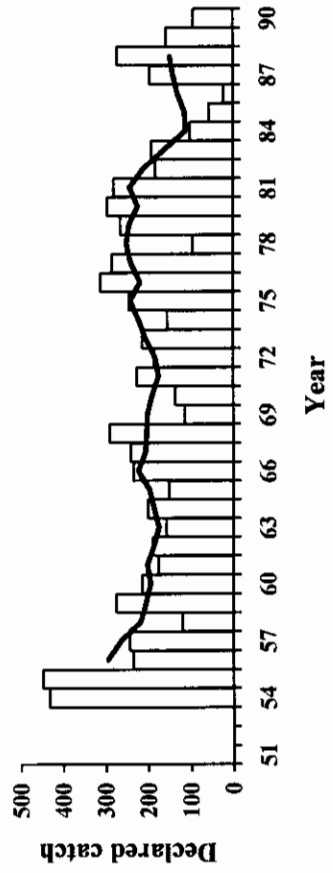


Figure 9.54 Declared rod catch of salmon for the River Mawddach

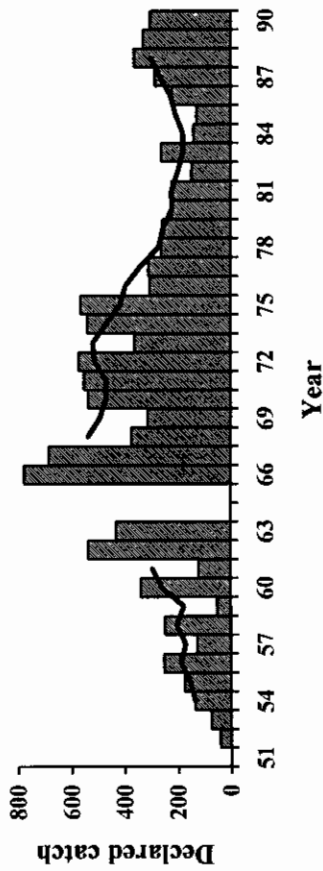


Figure 9.55 Declared rod catch of migratory trout for the River Mawddach

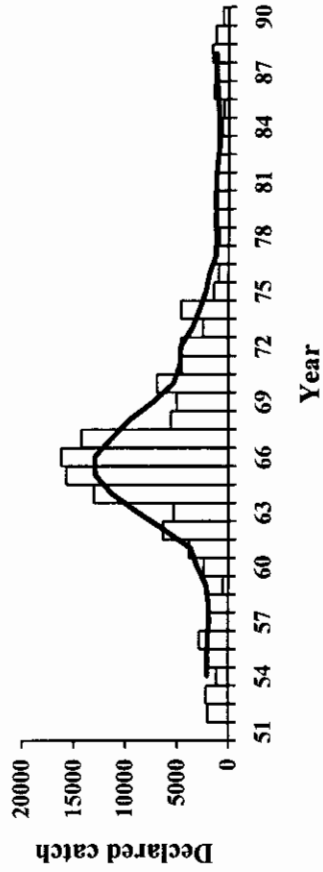


Figure 9.56 Declared net catch of salmon for the River Mawddach

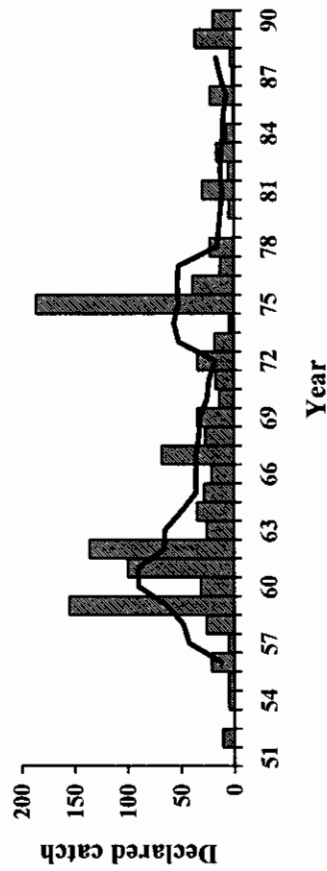
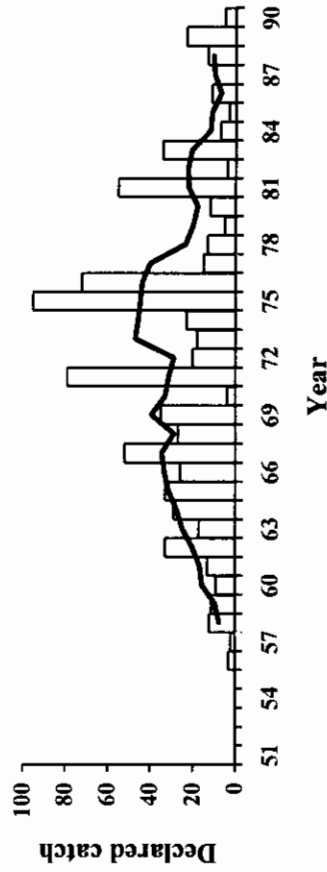


Figure 9.57 Declared net catch of migratory trout for the River Mawddach



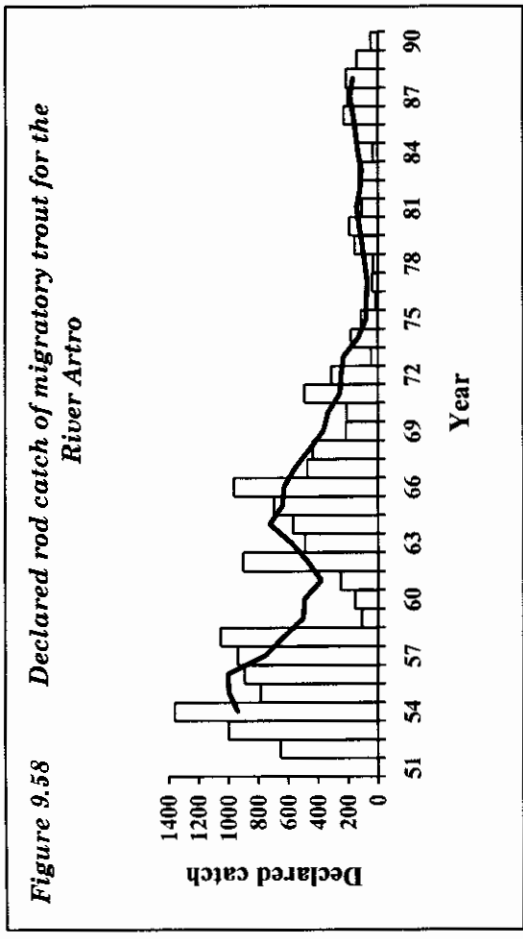


Figure 9.59 Declared rod catch of salmon for the River Dwyryd

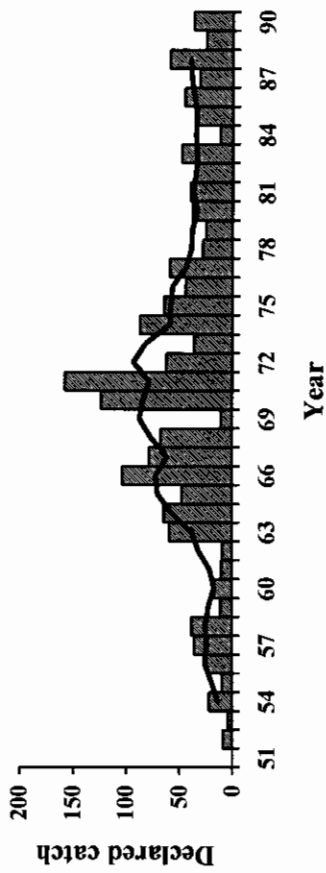


Figure 9.60 Declared rod catch of migratory trout for the River Dwyryd

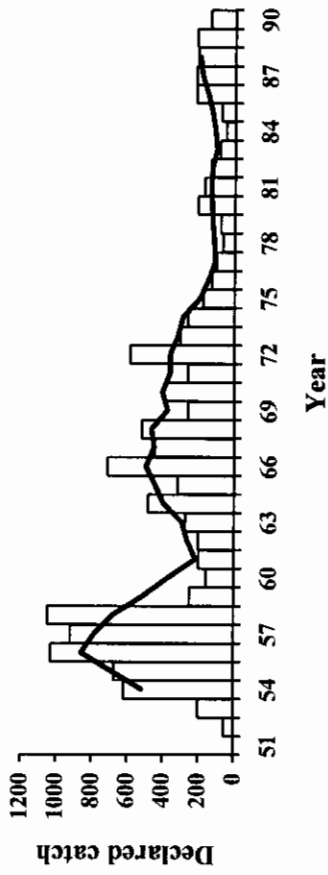


Figure 9.61 Declared net catch of salmon for the River Dwyryd

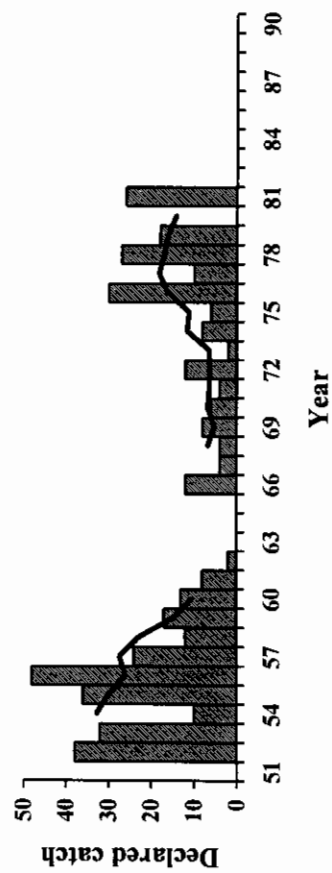


Figure 9.62 Declared net catch of migratory trout for the River Dwyryd

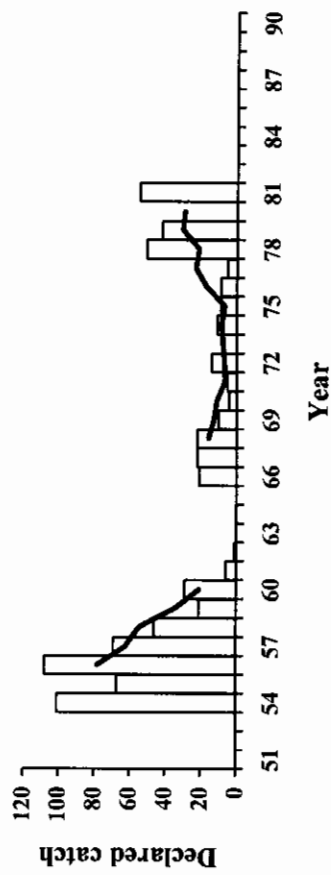


Figure 9.63 Declared rod catch of salmon for the River Glaslyn

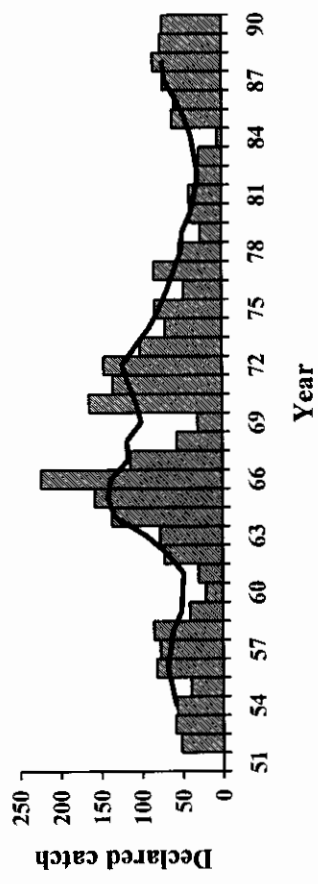


Figure 9.64 Declared rod catch of migratory trout for the River Glaslyn

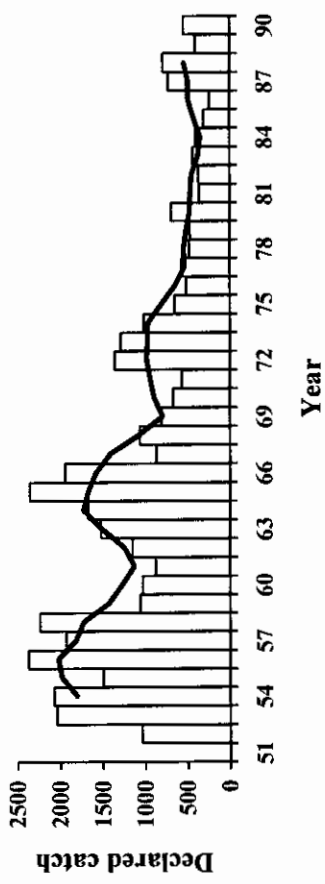


Figure 9.65 Declared net catch of salmon for the River Glaslyn

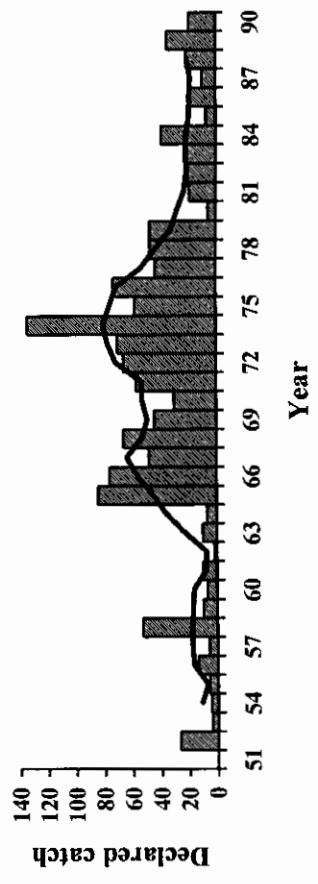


Figure 9.66 Declared net catch of migratory trout for the River Glaslyn

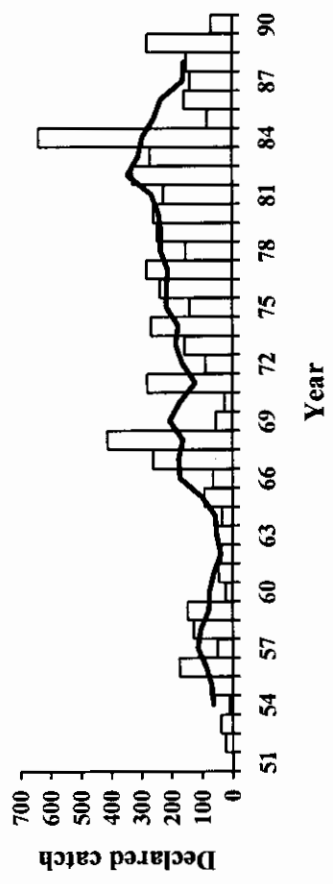


Figure 9.67 Declared rod catch of salmon for the Rivers Dwyfawr and Dwyfach

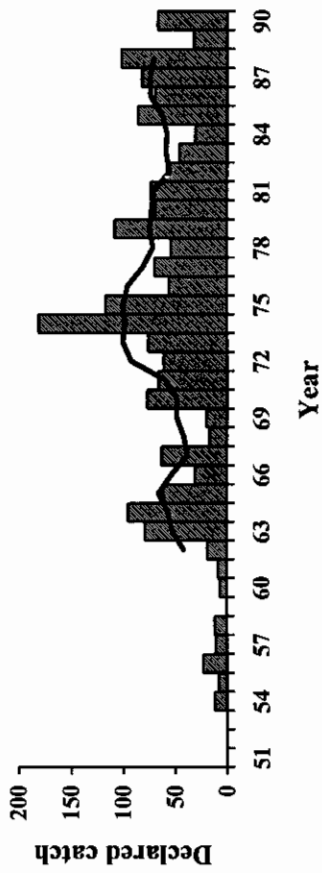


Figure 9.68 Declared rod catch of migratory trout for the Rivers Dwyfawr and Dwyfach

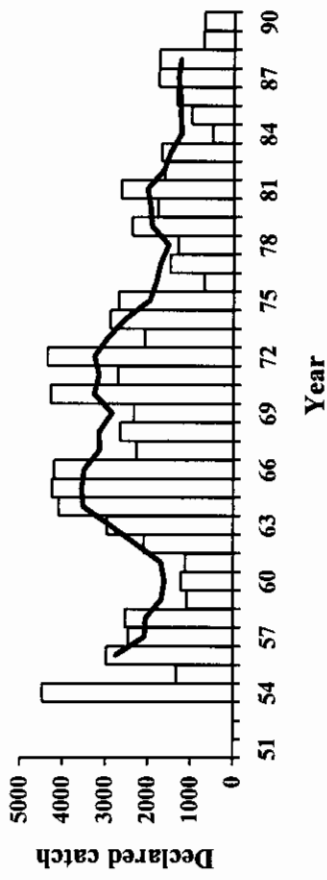


Figure 9.69 Declared rod catch of migratory trout for the River Erch

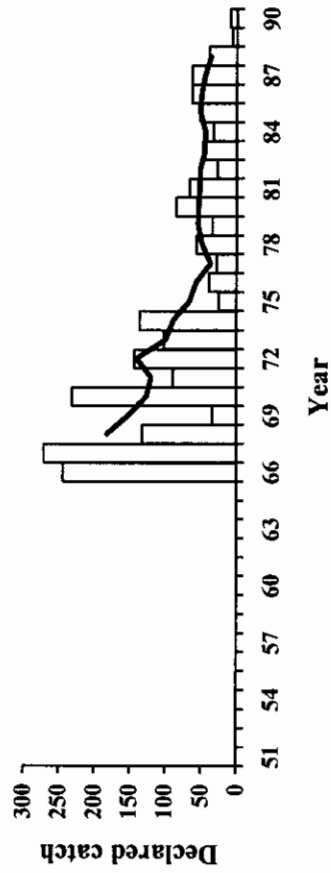


Figure 9.70 Declared net catch of salmon for the Caernarvonshire area



Figure 9.71 Declared net catch of migratory trout for the Caernarvonshire area

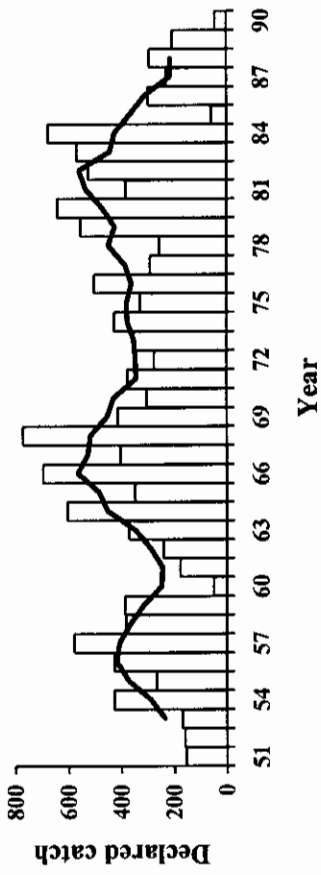


Figure 9.72 Declared rod catch of salmon for the River Llyfni

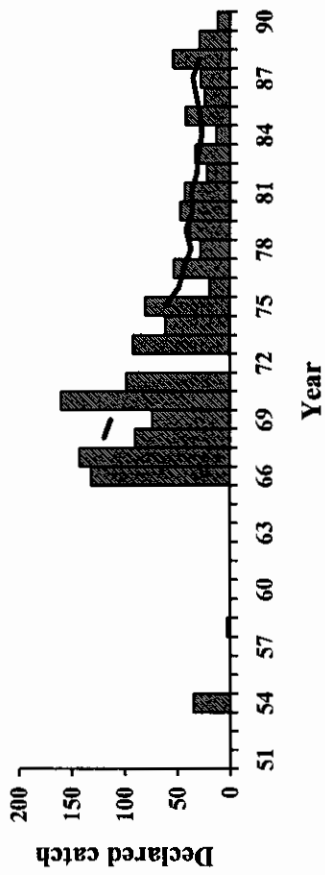


Figure 9.73 Declared rod catch of migratory trout for the River Llyfni

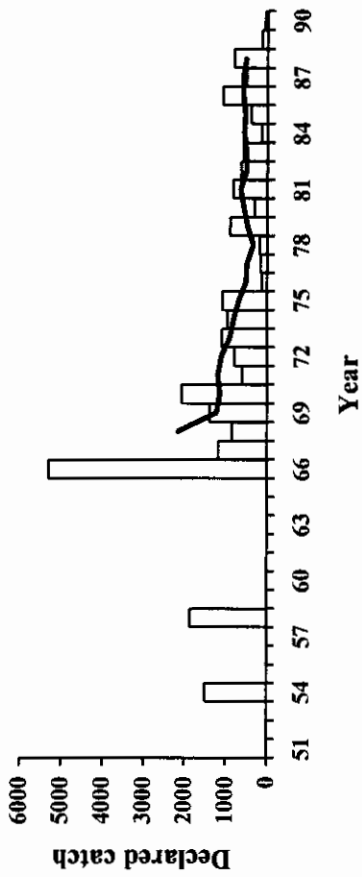


Figure 9.74 Declared rod catch of salmon for the River Gwyrfai

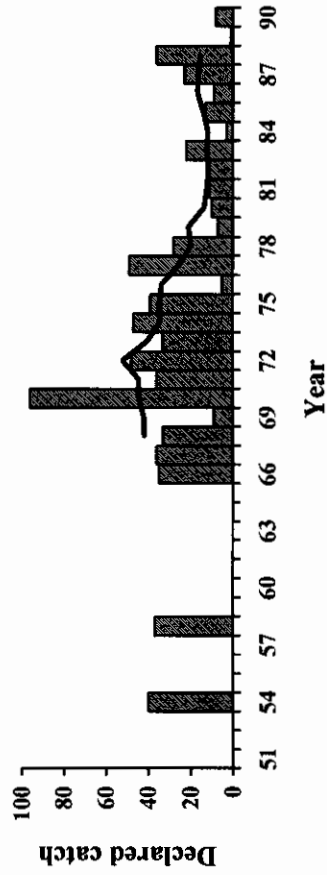


Figure 9.75 Declared rod catch of migratory trout for the River Gwyrfai

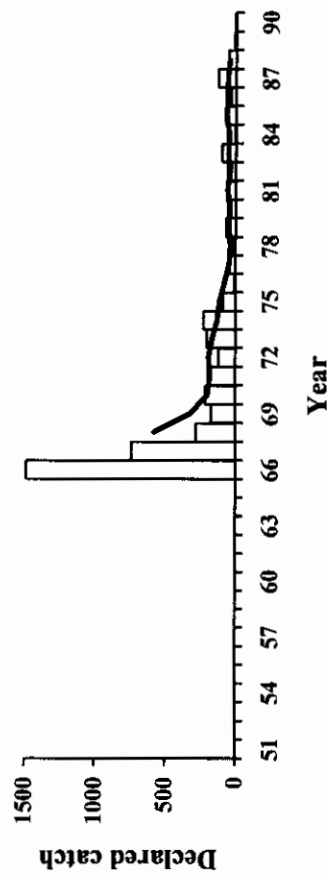


Figure 9.76 Declared rod catch of salmon for the River Seiont

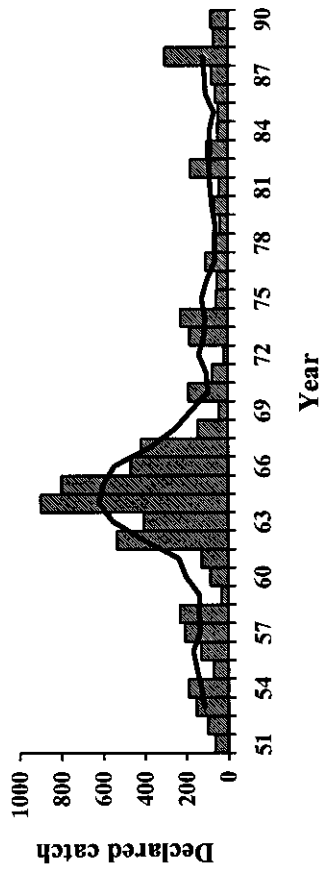


Figure 9.77 Declared rod catch of migratory trout for the River Seiont

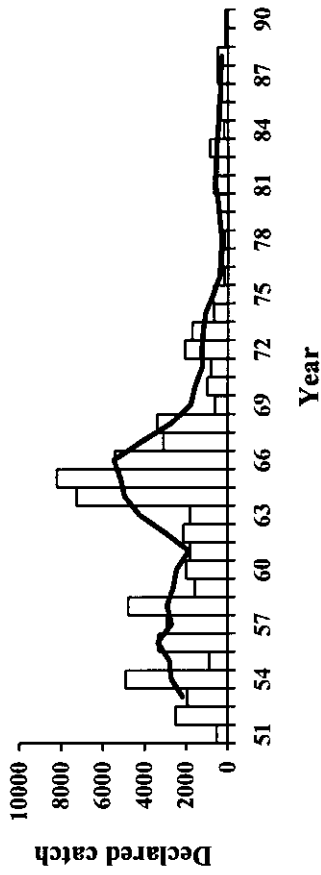


Figure 9.78 Declared net catch of salmon for the River Seiont

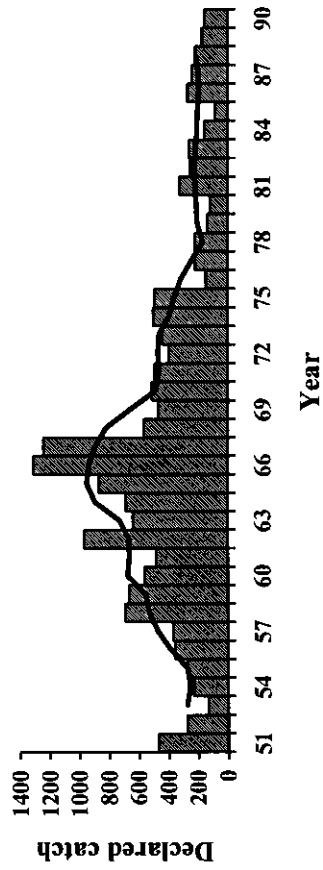


Figure 9.79 Declared net catch of migratory trout for the River Seiont

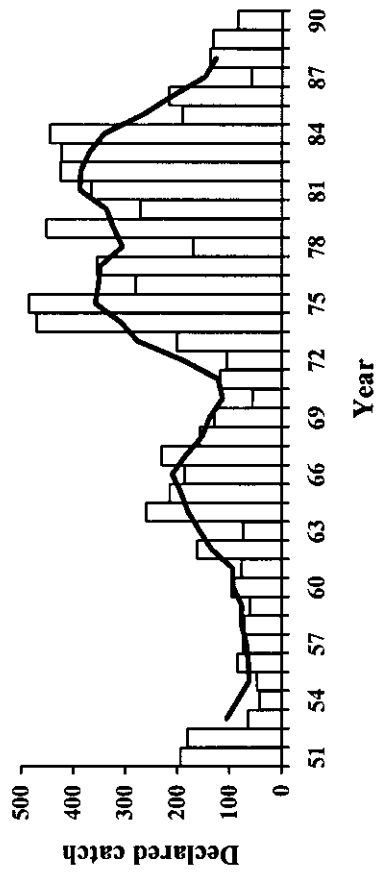


Figure 9.80 Declared rod catch of salmon for the River Ogwen

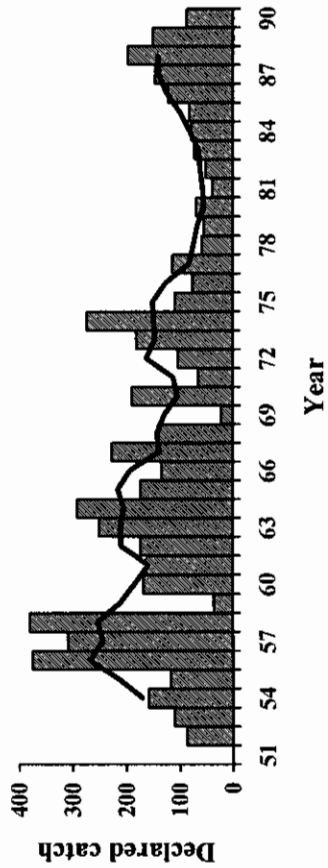


Figure 9.81 Declared rod catch of migratory trout for the River Ogwen

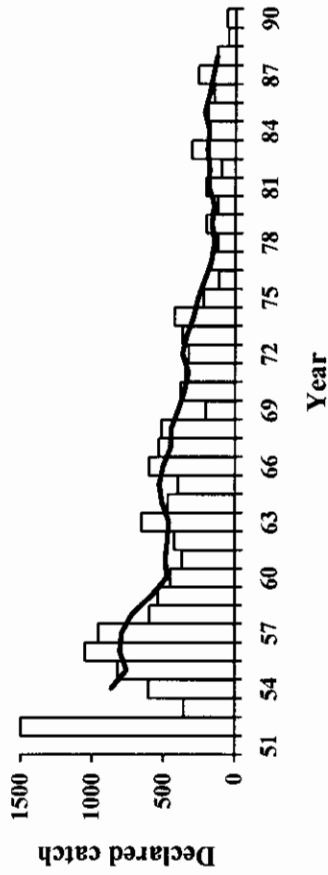


Figure 9.82 Declared net catch of salmon for the River Ogwen

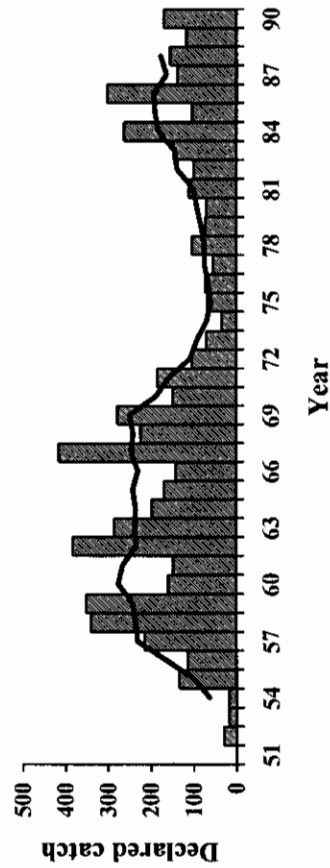


Figure 9.83 Declared net catch of migratory trout for the River Ogwen

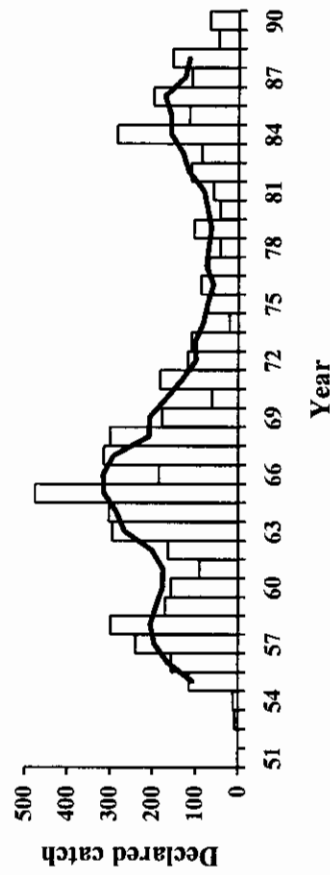


Figure 9.84 Declared rod catch of salmon for the River Conwy

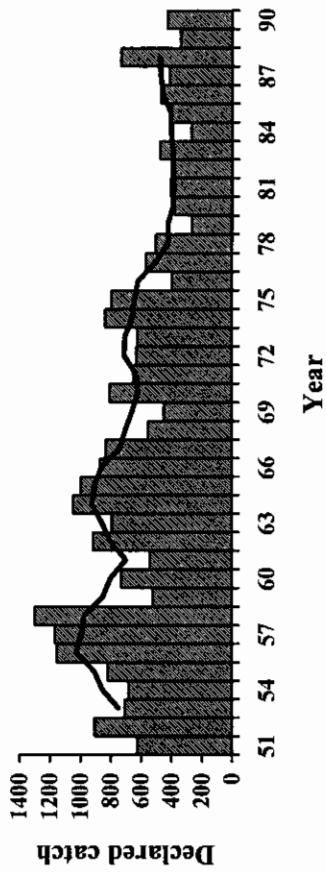


Figure 9.85 Declared rod catch of migratory trout for the River Conwy

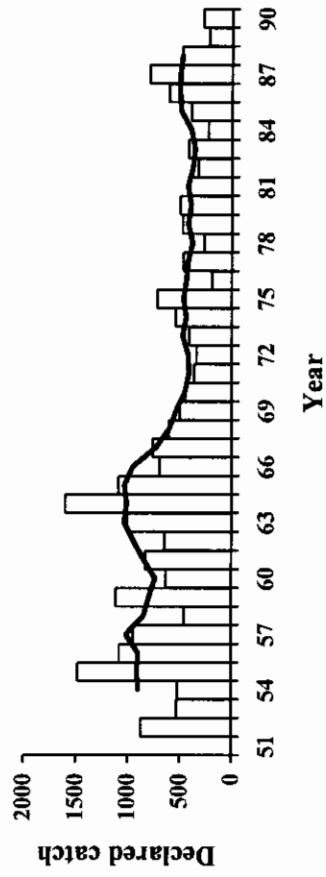


Figure 9.86 Declared net and fixed engine catch of salmon for the River Conwy

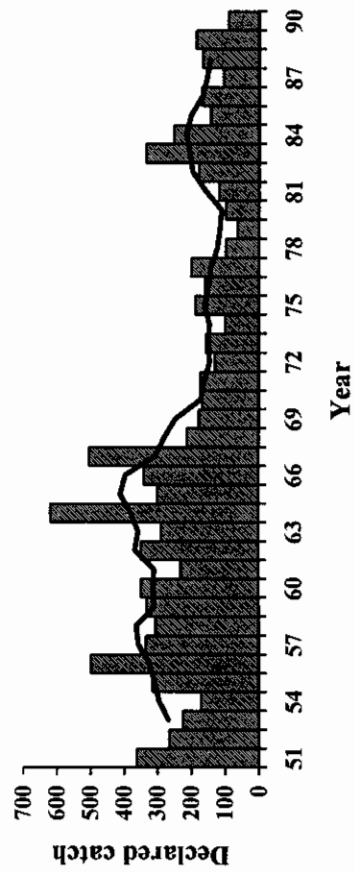


Figure 9.87 Declared net and fixed engine catch of migratory trout for the River Conwy

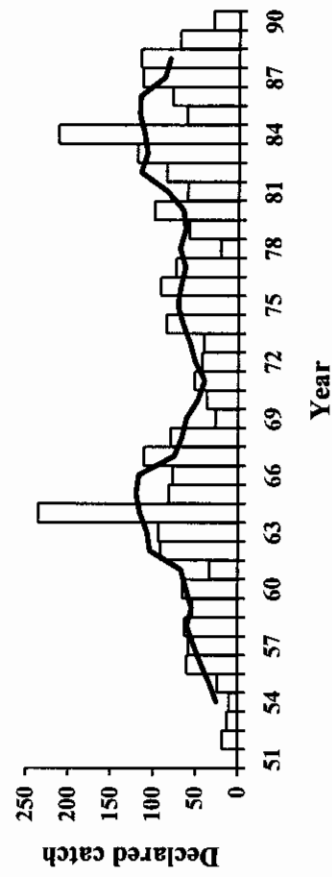


Figure 9.88 Declared rod catch of salmon for the River Clwyd

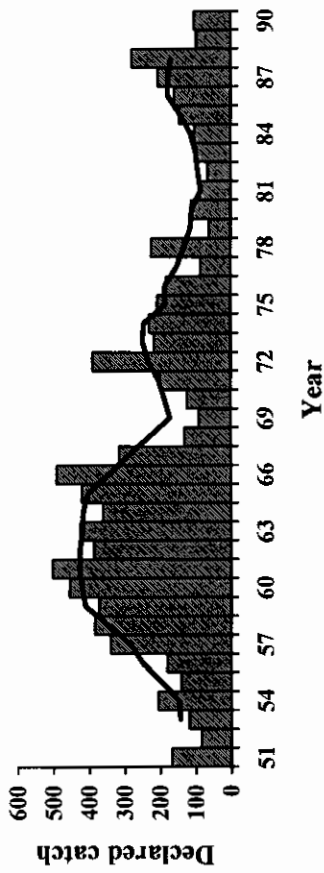


Figure 9.89 Declared rod catch of migratory trout for the River Clwyd

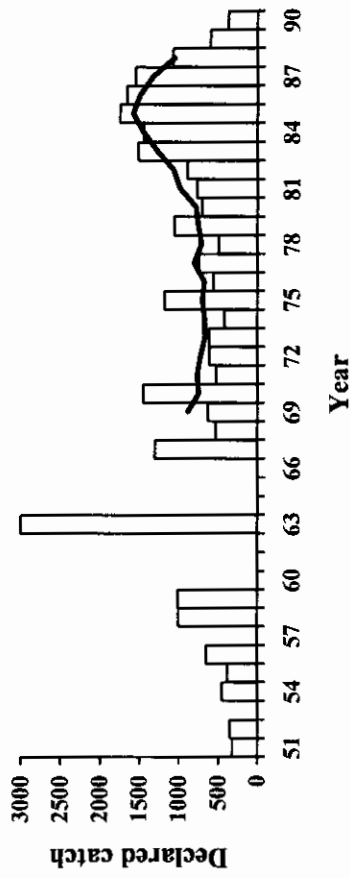


Figure 9.90 Declared net catch of salmon for the River Clwyd

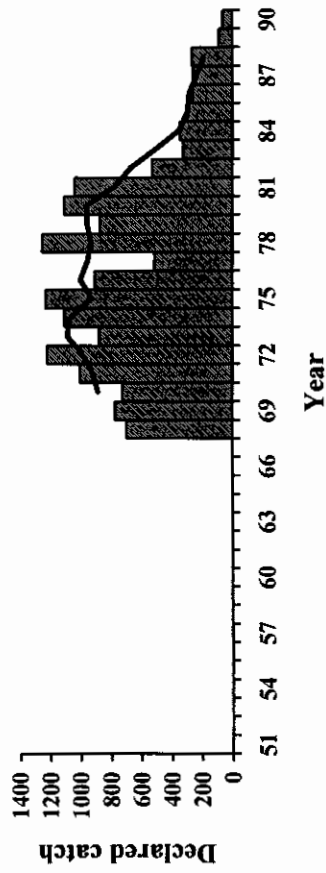


Figure 9.91 Declared net catch of migratory trout for the River Clwyd

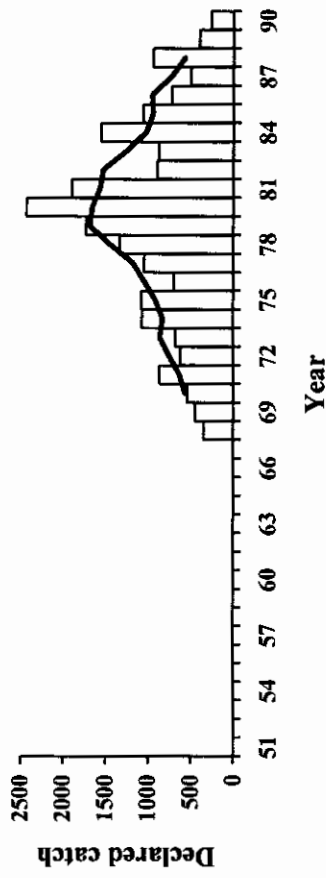


Figure 9.92 Declared rod catch of salmon for the River Dee

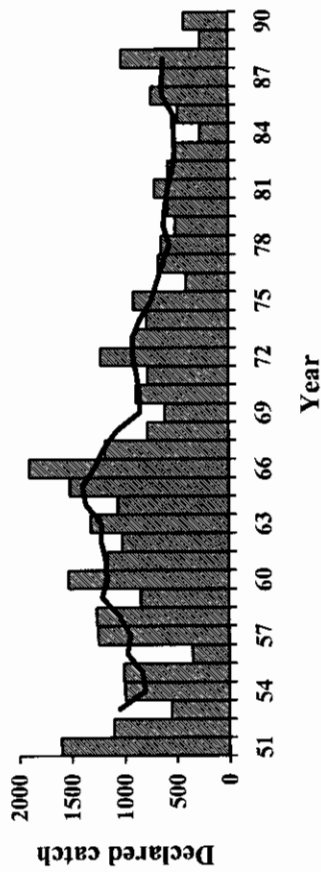


Figure 9.93 Declared rod catch of migratory trout for the River Dee

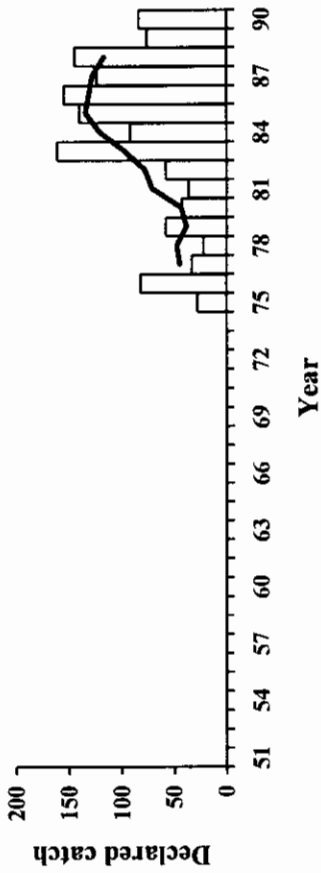


Figure 9.94 Declared net catch of salmon for the River Dee

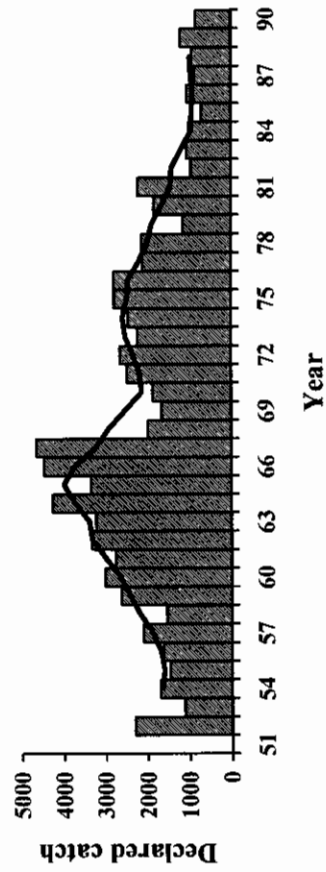


Figure 9.95 Declared net catch of migratory trout for the River Dee

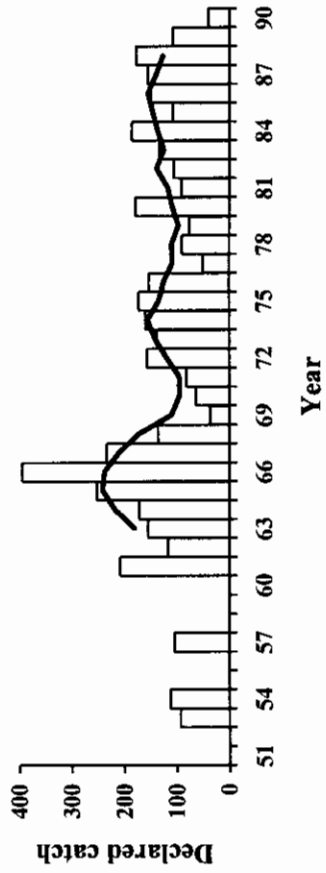


Figure 9.96 Declared rod catch of salmon for the Welsh Region

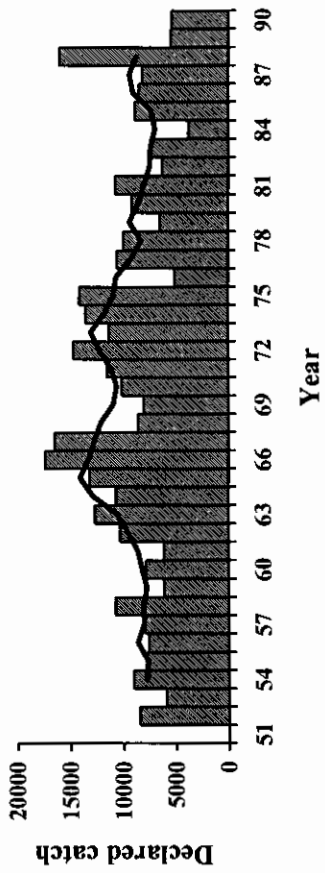


Figure 9.97 Declared rod catch of migratory trout for the Welsh Region

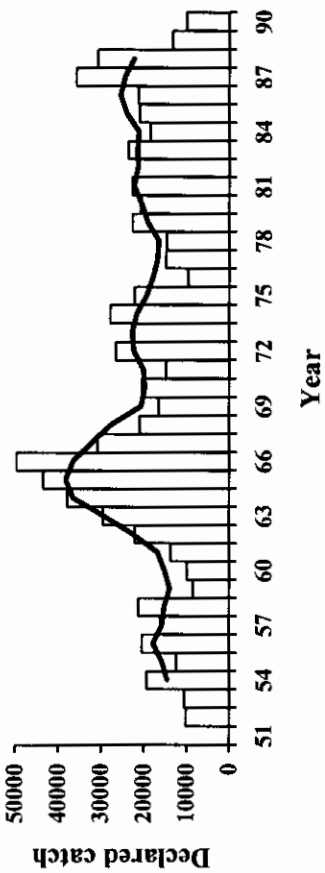


Figure 9.98 Declared net and fixed engine catch of salmon for the Welsh Region

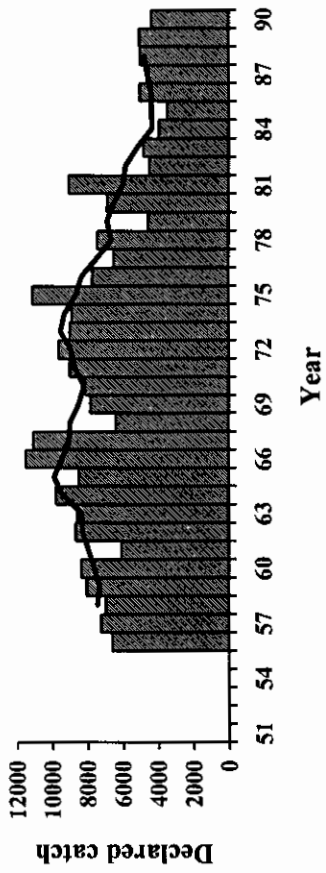
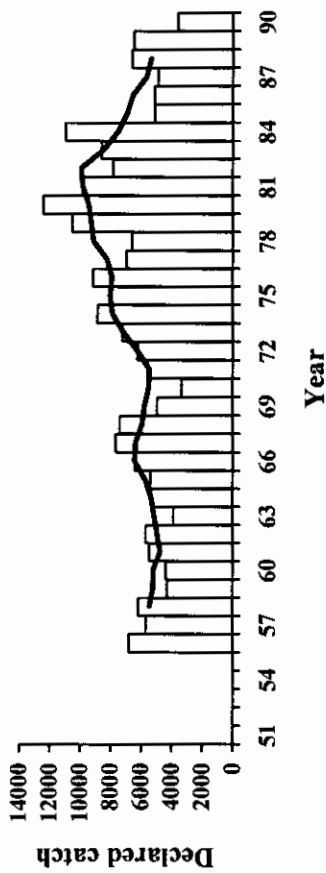


Figure 9.99 Declared net and fixed engine catch of migratory trout for the Welsh Region



10. NORTH WEST REGION

For the period of this review fisheries in the North West region were under the jurisdiction of the following organisations:

1951-64	Mersey and Weaver River Board Lancashire River Board Cumberland River Board
1965-73	Mersey and Weaver River Authority Lancashire River Authority Cumberland River Authority
1974-88	North West Water Authority
1989-90	National Rivers Authority – North West region.

Figure 10.1 illustrates the extent of the North West region and identifies the rivers and fishery areas covered by this review.

10.1 Rod catch

Rod catch data are included in Tables 10.1 to 10.29 and Figures 10.2 to 10.35 and are summarised in Table 10.30 and Figures 10.38 to 10.39.

10.1.1 Description of the fisheries

The rivers in the southern part of the North West region, the area formerly under the jurisdiction of the Mersey and Weaver River Board and River Authority, did not support self-sustaining runs of migratory salmonids during the review period. However, salmon and sea trout were widespread in the rivers in the rest of the region. In common with other west coast areas, many of the rivers supporting runs of migratory salmonids in the North West are relatively short and spatey.

10.1.2 Changes in fishing effort

In common with other areas the number of rod licences issued has increased over the review period, suggesting an increase in fishing effort.

10.1.3 Stocking

Salmon stocking programmes were initiated in both the Lancashire River Board area (from 1952) and the Cumberland River Board area (from 1959) and have continued throughout much of the review period.

10.1.4 Reporting procedures

Catch data have been derived entirely from the returns submitted by anglers. However, reminders were not issued at any time before 1990, and the proportion of anglers submitting catch returns has been consistently low for this region. Changes in reporting procedures have also taken place during the period. In the Cumbrian area, a byelaw was approved in 1955 making catch returns compulsory, from 1956, for salmon caught in public as well as private waters. However, the same byelaw removed the need for returns to be made in respect of migratory trout. Returns of migratory trout for the Cumbrian area were not subsequently required until 1976 and so data for this species are

limited to some years in the early 1950s and from 1976 to 1990. Catches of both species were reported in the Lancashire area throughout the period. An improved rod catch return form was introduced in Cumbria in 1966 and is thought to have improved the accuracy and rate of reporting in this area thereafter.

Some aggregation of rod catch data has also occurred during the period. For the years 1955 to 1957 for salmon, and 1953 to 1957 for sea trout, catches taken in the rivers Kent, Leven and Duddon were combined and are reported for the River Kent (Tables 10.8 to 10.9); the tables have been annotated accordingly. From 1958, catches were reported by river of capture. Similarly, for the periods 1953 to 1961, and 1965 to 1967 inclusive, salmon rod catches for the rivers Annas, Esk (Cumbrian), Irt, Calder and Ehen were aggregated. Data for these rivers have thus been reported in Tables 10.21 to 10.22 for South and West Cumbria. For 1962 to 1964 and from 1968, catches were reported by individual river.

10.2 Net catch

Net and fixed engine catches are included in Tables 10.1 to 10.28 and Figures 10.2 to 10.37 and are summarised in Table 10.30 and Figures 10.40 to 10.41.

10.2.1 Description of fisheries

As in the Welsh region, a wide variety of nets and fixed engines have been used in the North West, some of which are unique to the region (Appendix 1).

Seine nets have been operated in the estuaries of the Lune and Duddon and in the Solway Firth (Eden and Esk) throughout the period, and a single seine net was also licenced in the Border Esk between 1952 to 1955 and 1966 to 1973.

Drift nets (known locally as whammel or hang nets) have operated in the vicinity of the rivers Ribble and Lune throughout the period. The nets permitted on the Ribble have a relatively large mesh (3½ inches knot to knot) and take mainly large salmon. Elsewhere, drift nets have operated off the River Derwent (1963 to 1967 only), in the Solway (up to 1970) and off the Cumbrian coast (from 1971 on).

Dip, or lave, nets have been the only netting methods permitted in the estuaries of the rivers Kent and Leven and have operated, in varying numbers, throughout the period.

Haaf or heave nets, which are unique to the North West area, have been used in a number of estuaries. These hand-held nets have been used in the Lune estuary and the Solway throughout the period, and in the estuary of the River Ellen from 1981. More lave nets have been used in the North West over the period than any other instrument, with between 26 and 52 licences issued for the River Lune, and between 103 and 237 for the Solway.

In addition to the licensed nets, two types of ancient fixed engine have been used to take salmon in the region, both unique to the North West. Cribs (or Coops) are types of fixed in-scale traps usually operated in freshwater. Such instruments have been operated on the River Eden throughout the period and on the River Derwent until 1984. The other type of fixed engine is known as the fishing baulk or garth. In the early part of the period (1951 to 1960), between 1 and 3 fishing baulks were operated in the estuary of the Lune, but these later fell into disuse. A further baulk has operated throughout the period on the Cumbrian Esk at Ravenglass.

10.2.2 Changes in fishing methods and fishing effort

While there are believed to have been few changes in the fishing methods used over the review period, the numbers of licences issued, and therefore presumably fishing effort, have varied considerably. These changes have been itemised for each area.

In Lancashire, the numbers of licences issued have varied less than in Cumbria. Throughout the period, the numbers of drift nets on the Ribble (6) and seine nets on the Duddon (3) have remained constant. The numbers of lave nets on the rivers Kent and Leven have also remained reasonably steady, with numbers remaining at 6 and 8 respectively between 1963 and 1982. However, more pronounced changes in licence numbers have occurred on the River Lune. The number of haaf net licences fell from 52 in 1951 to 46 from 1955 to 1979, and was further reduced to 26 from 1980. Seine and drift nets also operated throughout the period on the Lune, with some fluctuation in numbers, although licence numbers have been restricted to 1 seine and 10 drift nets from 1980. As already reported, a number of fishing baulks were also operative in the Lune area in the early part of the review period but gradually fell into disrepair. The last such operative baulk, the Cockersands Abbey baulk, was acquired by the Lancashire River Board in 1956 and was subsequently operated by them for a few years. However, this baulk also fell into disuse and, following negotiation of a cessation to the local vicar's rights to fish after new and full moons (the rights governing the use of this baulk being bound up in antiquity), was not licensed or operated again after 1960.

Changes in licence numbers have occurred in most of the Cumbrian net fisheries during the period. Drift (hang) netting was practised in the area from the early 1950s, with nets operating primarily in the Solway. Numbers of such nets rose to 6 in 1961. An NLO was introduced in 1963, limiting the number of drift nets in public waters in the Solway to 4. The number of drift nets operating in this area declined thereafter. At the same time (1963), drift netting commenced in the Derwent district, and continued until 1967, although a 1963 byelaw restricted the use of such nets off the mouths of the rivers Derwent and Ellen. From 1971, drift netting in the whole Cumbrian area was restricted to 4 nets, to be operated in public waters under the Authority's jurisdiction, and this continued for the remainder of the review period. In practice, these 4 nets have operated primarily around Workington and Maryport (3 nets) and in the Solway (1 net).

Other changes in fishing effort were noted in the Solway during the review period. The number of seine nets operating on the tidal Eden fell from a peak of 5 (1957 to 1959) to 1 by 1984, and these nets were not used again after 1987. Haaf net numbers have fluctuated widely, with extremes of 103 in 1981 and 237 in 1986. From 1988, the number of licences has been limited to 165. The mesh size of the haaf nets was regulated by byelaws from 1962. In addition, from the early 1970s, they were allowed to operate throughout the Cumbrian area and not just in the Eden district. In practice, however, it is thought that this latter change did not result in any significant changes in the actual areas fished. In the freshwater Eden, the number of coops in operation varied over the period between 3 (1951 to 1975, and 1989) and 2 (1976 to 1988, and 1990). At times during the period (1952 to 1955 and 1966 to 1973) a single seine net also operated, in freshwater, in part of the Border Esk. This was not fished after 1973.

The only other change in fishing patterns to have affected the Cumbrian area during the period, was the advent of haaf netting on the River Ellen. This started in 1981, when four nets were used, but was subsequently restricted to a single net from 1983 to 1990.

The fishing baulk on the Cumbrian Esk operated throughout the review period.

10.2.3 Reporting procedures

The net and fixed engine catch data presented in the tables have been derived entirely from catch returns. Where possible, data have been recorded for each river or fishery by method, however, a number of departures from this format were necessary. On the River Lune, catches were generally not available by method of capture before 1972, and similarly, Eden and Esk (Solway) catches were recorded only as a net and fixed engine total in most years. In addition, catch data for some of the nets and fixed engines fished in the Cumbrian area were aggregated and recorded as a total catch for South and West Cumbria. (Tables 10.21 to 10.22). Such aggregation of data was necessary as a number of the ancient privileged fixed engines operating in this area were covered by confidentiality agreements forbidding disclosure of catches. The fisheries included in the South and West Cumbria totals have been: the River Esk fishing baulk (1951 to 1990), the river Derwent crib (1951 to 1983) and drift nets (1963 to 1967), the Cumbrian coastal drift nets (1971 to 1973) and the River Ellen haaf nets (1981 to 1990). Data for the Cumbrian coastal drift nets were reported separately from 1974 on. Although licences were issued, no data were available for the South and West Cumbria area for 1951 to 1952.

As with the rod fisheries, there was no requirement to submit catch returns in respect of migratory trout in the Cumbrian area from 1955. Some migratory trout catch data were available for the early 1950s and catch returns were required from 1978. A byelaw approved in 1955 also made it compulsory for netsmen operating in public waters to declare their salmon catches. This was targeted particularly at the Solway haaf netsmen who, prior to 1955, had not had to make catch returns.

A further minor reporting anomaly was noted from River Board reports for the net fishery in the rivers Kent and Leven. Prior to 1957, catches were reported as being taken by haaf nets and thereafter by lave nets. However, it is understood that no change in fishing practice occurred at this time and that hand-held lave (dip) nets have always been the approved method on these rivers. For 1962, the numbers of lave nets for the two rivers were only available as a combined figure; Tables 10.8 to 10.11 have been annotated accordingly.

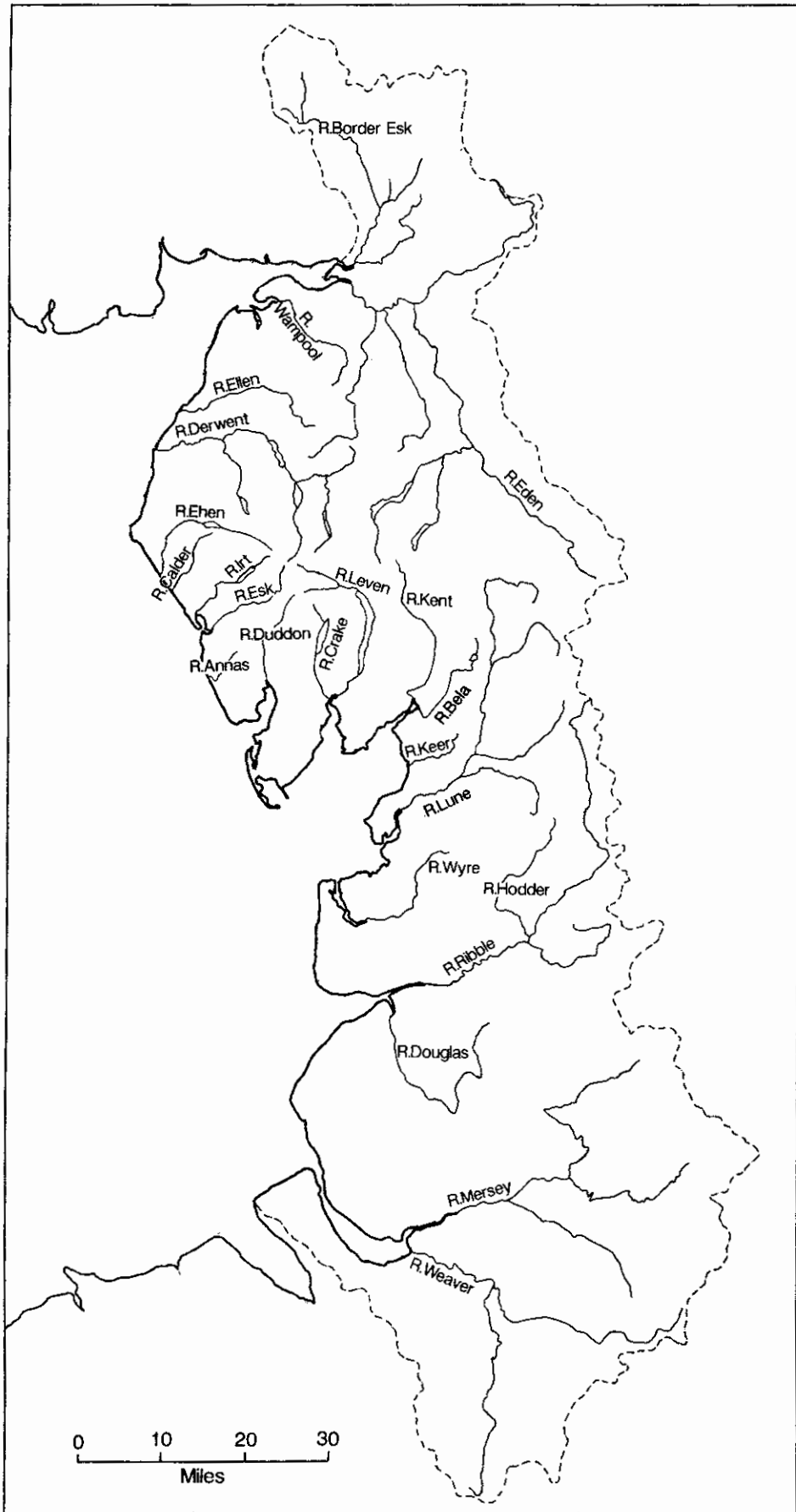


Figure 10.1 North West Region - river systems

Table 10.1 River Ribble - salmon

YEAR	DRIFT NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	6	1204	48	606	1252	15001
1952	6	1166	101	1074	1267	14905
1953	6	291	87	3174	378	4012
1954	6	641	227	2383	868	9399
1955	6	346	51	670	397	4524
1956	6	106	82	662	188	1724
1957	6	360	144	1457	504	5139
1958	6	358	339	2850	697	6064
1959	6	476	38	415	514	5807
1960	6	441	121	1170	562	5877
1961	6	146	98	1166	244	2804
1962	6	523	143	1119	666	5854
1963	6	992	318	3175	1310	13424
1964	6	745	193	2006	938	9845
1965	6	645	200	1939	845	9390
1966	6	845	362	3376	1207	12286
1967	6	1314	173	1649	1487	15120
1968	6	849	126	1217	975	11244
1969	6	756	47	473	803	8346
1970	6	654	227	1820	881	8034
1971	6	260	108	860	368	3483
1972	6	429	146	1513	575	5873
1973	6	518	359	3294	877	8415
1974	6	666	888	7530	1554	13584
1975	6	633	365	3727	998	10481
1976	6	633	375	2927	1008	8092
1977	6	514	315	2780	829	8331
1978	6	319	370	3342	689	6545
1979	6	649	550	4792	1199	12158
1980	6	725	956	8410	1681	17182
1981	6	810	704	7447	1514	17345
1982	6	252	462	3752	714	6345
1983	6	432	338	2863	770	6885
1984	6	507	384	2961	891	8667
1985	6	395	229	2141	624	6958
1986	6	434	368	3558	802	8371
1987	6	508	586	4985	1094	10250
1988	6	829	777	6746	1606	15558
1989	6	502	268	2262	770	7668
1990	6	239	298	2476	537	5148

Table 10.2 River Ribble - migratory trout

YEAR	DRIFT NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	6	0	316	-	316	-
1952	6	0	481	529	481	529
1953	6	0	488	986	488	986
1954	6	0	675	1012	675	1012
1955	6	0	130	147	130	147
1956	6	0	130	154	130	154
1957	6	0	373	365	373	365
1958	6	2	526	527	528	544
1959	6	2	91	59	93	77
1960	6	2	274	297	276	312
1961	6	1	488	582	489	586
1962	6	1	415	484	416	495
1963	6	0	365	450	365	450
1964	6	0	240	363	240	363
1965	6	5	276	396	281	428
1966	6	1	503	836	504	850
1967	6	1	179	352	180	358
1968	6	1	85	173	86	181
1969	6	0	120	175	120	175
1970	6	1	185	265	186	273
1971	6	1	307	420	308	431
1972	6	1	330	621	331	632
1973	6	11	540	896	551	971
1974	6	0	628	1218	628	1218
1975	6	3	277	529	280	548
1976	6	3	199	408	202	428
1977	6	2	382	733	384	747
1978	6	7	334	651	341	699
1979	6	9	494	831	503	880
1980	6	22	862	1865	884	1981
1981	6	18	571	1347	589	1450
1982	6	26	513	1029	539	1147
1983	6	55	526	1086	581	1408
1984	6	54	433	864	487	1267
1985	6	44	201	432	245	783
1986	6	23	574	1149	597	1321
1987	6	18	699	1351	717	1508
1988	6	17	858	1953	875	2092
1989	6	22	380	827	402	933
1990	6	26	391	906	417	1096

Table 10.3 River Wyre - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-
1952	-	-	-	-
1953	-	-	-	-
1954	-	-	-	-
1955	-	-	12	14
1956	-	-	-	-
1957	-	-	-	-
1958	39	107	16	15
1959	1	8	13	12
1960	-	-	23	21
1961	2	10	23	26
1962	3	16	16	18
1963	13	73	32	33
1964	14	86	42	64
1965	33	186	49	58
1966	34	219	135	131
1967	123	732	87	191
1968	52	285	54	76
1969	3	29	27	28
1970	54	262	61	92
1971	41	239	71	109
1972	18	96	19	28
1973	30	176	47	52
1974	136	775	69	105
1975	25	149	26	47
1976	14	72	7	23
1977	9	61	2	4
1978	24	129	22	31
1979	31	148	51	67
1980	24	119	18	33
1981	35	225	58	88
1982	13	83	59	122
1983	2	10	6	8
1984	6	31	14	20
1985	8	40	24	37
1986	2	24	-	-
1987	19	123	55	71
1988	107	615	71	185
1989	6	33	4	11
1990	2	9	13	18

Table 10.4 River Lune - salmon

YEAR	FISHING BAULK		SEINE NETS		DRIFT NETS		HAAF NETS		NETS + FIXED ENGINES (a)				ROD CATCH		TOTAL CATCH	
	LIC	NO	LIC	NO	LIC	NO	LIC	NO	LIC	NO	LIC	NO	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	1	-	1	-	9	-	52	-	63	1859	19397	286	3806	2145	23203	
1952	3	-	3	-	7	-	48	-	61	2035	22417	367	4033	2402	26450	
1953	2	-	2	-	8	-	47	-	59	1735	18679	531	5168	2266	23847	
1954	1	-	3	-	9	-	48	-	61	1881	20624	630	7038	2511	27662	
1955	1	25	2	43	10	623	46	1274	59	1965	20196	419	4950	2384	25146	
1956	1	31	1	23	11	539	46	920	59	1513	15429	446	5572	1959	21001	
1957	1	-	1	-	10	-	46	-	57	2230	19134	652	6199	2882	25333	
1958	1	-	1	-	7	-	46	-	55	1914	16699	755	6733	2669	23432	
1959	1	-	1	-	7	-	46	-	55	2773	27418	360	3372	3133	30790	
1960	1	-	1	-	7	-	46	-	55	2611	25425	560	6009	3171	31434	
1961 (b)	1	-	1	-	8	-	46	-	55	2072	22094	635	5562	2707	27656	
1962	1	-	1	-	8	-	46	-	55	3955	34779	838	8277	4793	43056	
1963	1	-	1	-	8	-	46	-	55	3012	27405	1085	11852	4097	39257	
1964	1	-	1	-	8	-	46	-	55	3667	32104	866	8459	4533	40563	
1965	1	-	1	-	10	-	46	-	57	3607	32452	697	6954	4304	39406	
1966	1	336	1	2696	11	2856	46	1802	58	4994	47009	1303	13823	6297	60832	
1967	1	-	1	-	12	-	46	-	59	5520	52215	455	4689	5975	56904	
1968	1	-	1	-	12	-	46	-	59	3470	30975	246	2555	3716	33530	
1969	1	-	1	-	12	-	46	-	59	3496	28928	196	1759	3692	30687	
1970	1	-	1	-	12	-	46	-	59	3535	27468	491	4252	4026	31720	
1971	1	-	1	-	12	-	46	-	59	2401	19214	329	2751	2730	21965	
1972 (c)	1	-	1	-	12	1456	46	301	58	1757	14317	349	2572	2106	16889	
1973	2	38	2	355	12	1651	46	705	60	2394	19368	532	5083	2926	24451	
1974	2	65	2	505	12	2456	46	965	60	3486	25950	810	6423	4296	32373	
1975	2	44	2	377	12	1637	46	1098	60	2779	26948	589	5643	3368	32591	
1976	3	0	3	0	12	1851	46	681	61	2532	16314	302	2208	2834	18522	
1977	3	4	3	28	12	1739	46	729	61	2472	19298	504	3815	2976	23113	
1978	1	13	1	87	12	2550	46	1331	59	3894	30282	620	5499	4514	35781	
1979	2	3	2	26	12	1074	46	503	60	1580	14338	414	4082	1994	18420	
1980	1	19	1	157	10	1029	26	414	37	1462	12681	607	5147	2069	17828	
1981	1	10	1	96	10	1889	26	331	37	2230	23525	456	5007	2686	28532	
1982	1	0	1	0	10	624	26	341	37	965	6786	310	2331	1275	9117	
1983	1	22	1	168	10	1152	26	503	37	1677	12880	235	1911	1912	14791	
1984	1	54	1	311	10	1306	26	870	37	2230	14619	330	2471	2560	17090	
1985	1	15	1	121	10	912	26	204	37	1131	8704	617	5754	1748	14458	
1986	1	59	1	474	10	1497	26	758	37	2314	18439	485	4253	2799	22692	
1987	1	25	1	198	10	1703	26	334	37	2062	14247	874	7584	2936	21831	
1988	1	76	1	591	10	2402	26	580	37	3058	22975	1487	12630	4545	35605	
1989	1	62	1	326	10	2284	26	1158	37	3504	25897	712	5800	4216	31697	
1990	1	97	1	840	10	1405	26	1180	37	2682	21822	1198	10675	3880	32497	

Key:
(a) Catch data do not include haaf nets (1951-55) or drift nets (1952). Netamen operating in the public waters of the Solway Firth were not required to make catch returns before 1956.
(b) Fishing baulk ceased to operate.
(c) In most years prior to 1972 catch data were not available by method of capture.

Table 10.5 River Lune - migratory trout

YEAR	FISHING BAULK		SEINE NETS		DRIFT NETS		HAAF NETS		NETS + FIXED ENGINES (a)		ROD CATCH		TOTAL CATCH	
	LIC	NO	LIC	NO	LIC	NO	LIC	NO	LIC	NO	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	1	-	1	-	9	-	52	-	63	1708	3587	661	-	2369
1952	3	-	3	-	7	-	47	-	61	1069	2177	766	1104	1835
1953	2	-	2	-	8	-	48	-	59	778	1664	1251	1384	2029
1954	1	-	3	-	9	-	48	-	61	677	1166	1098	1305	1775
1955	1	608	2	24	10	4	46	964	59	1600	3183	714	946	2314
1956	1	67	1	7	11	21	46	955	59	1050	3136	857	1326	1907
1957	-	-	1	-	10	-	46	-	57	1430	3878	1300	1433	2730
1958	1	-	1	-	7	-	46	-	55	497	1556	1448	1991	1945
1959	1	-	1	-	7	-	46	-	55	1314	4588	2118	2264	3432
1960	1	-	1	-	7	-	46	-	55	810	2765	1316	1650	2126
1961 (b)	1	-	1	-	8	-	46	-	55	1373	4596	1472	1841	2845
1962	1	-	1	-	8	-	46	-	55	965	3301	2439	3557	3404
1963	1	-	1	-	8	-	46	-	55	913	3324	3306	4667	4219
1964	1	-	1	-	8	-	46	-	55	1518	5145	3334	5213	4852
1965	1	-	1	-	10	-	46	-	57	1432	5179	3185	5209	4617
1966	1	172	1	50	11	111	46	716	58	877	3123	4120	6487	4997
1967	1	-	1	-	12	-	46	-	59	1082	3810	1404	2130	2486
1968	1	-	1	-	12	-	46	-	59	676	2321	1246	1625	1922
1969	1	-	1	-	12	-	46	-	59	591	2074	1184	1651	1775
1970	1	-	1	-	12	-	46	-	59	605	1986	1340	1696	1945
1971	1	-	1	-	12	-	46	-	59	991	3106	1268	1846	2259
1972 (c)	1	-	1	-	12	82	46	269	58	351	1157	1825	2767	3924
1973	2	81	2	27	12	198	46	955	60	1180	3836	2749	4212	3929
1974	2	99	2	29	12	250	46	1350	60	1629	5754	2498	4247	8048
1975	2	44	2	15	12	193	46	1228	60	1436	5052	2093	3286	3529
1976	3	0	3	0	12	176	46	1014	61	1190	3935	1462	2485	2652
1977	3	17	3	17	12	220	46	618	61	855	3121	1383	2559	5680
1978	1	8	1	8	12	152	46	710	59	870	3152	1384	2422	2254
1979	2	17	2	17	12	77	46	575	60	669	2385	1490	2220	2159
1980	1	111	1	111	10	303	26	1935	37	2349	7324	2388	4704	4737
1981	1	12	1	12	10	362	26	561	37	935	3760	1310	2803	2245
1982	1	0	1	0	10	428	26	400	37	828	3478	981	2129	1809
1983	1	6	1	6	10	335	26	475	37	816	3339	1080	1989	1896
1984	1	108	1	44	10	289	26	1865	37	2198	6806	1220	2370	3418
1985	1	141	1	66	10	508	26	738	37	1312	4740	1069	2522	2381
1986	1	55	1	21	10	192	26	557	37	770	2815	1115	2101	1885
1987	1	86	1	32	10	172	26	605	37	809	2802	1538	3743	2347
1988	1	118	1	118	10	164	26	1742	37	2024	6149	2013	4339	10488
1989	1	370	1	120	10	187	26	1172	37	1479	5055	1328	2758	2807
1990	1	88	1	23	10	210	26	778	37	1011	4127	945	2105	1956

Key: (a) Catch data do not include haaf nets (1951-55) or drift nets (1952). Netsmen operating in the public waters of the Solway Firth were not required to make catch returns before 1956.
 (b) Fishing baulks ceased to operate.
 (c) In most years prior to 1972 catch data were not available by method of capture.

Table 10.6 River Keer - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-57	----- No data available -----			
1958	-	-	30	50
1959	-	-	43	32
1960	-	-	144	95
1961	-	-	74	76
1962	-	-	177	229
1963	3	19	122	149
1964	-	-	75	94
1965	-	-	60	70
1966	-	-	80	112
1967	-	-	47	62
1968	-	-	267	258
1969	-	-	71	85
1970	-	-	16	13
1971	-	-	14	12
1972	-	-	29	32
1973	-	-	43	59
1974	-	-	-	-
1975	-	-	-	-
1976	-	-	-	-
1977	-	-	-	-
1978	-	-	-	-
1979	-	-	-	-
1980	1	3	-	-
1981	-	-	-	-
1982	-	-	-	-
1983	-	-	-	-
1984	-	-	-	-
1985	-	-	-	-
1986	-	-	-	-
1987	-	-	-	-
1988	-	-	-	-
1989	-	-	-	-
1990	-	-	-	-

Table 10.7 River Beta - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-57	----- No data available -----			
1958	1	5	4	2
1959	-	-	19	7
1960	-	-	1	1
1961	-	-	15	11
1962	1	4	16	8
1963	1	4	5	4
1964	-	-	81	59
1965	-	-	-	-
1966	3	13	18	14
1967	9	56	22	19
1968	-	-	4	2
1969	4	13	75	40
1970	14	19	76	58
1971	5	28	8	6
1972	5	33	15	16
1973	18	45	121	75
1974	-	-	-	-
1975	-	-	-	-
1976	-	-	-	-
1977	-	-	-	-
1978	-	-	-	-
1979	3	7	-	-
1980	7	19	-	-
1981	2	6	-	-
1982	-	-	-	-
1983	-	-	-	-
1984	-	-	-	-
1985	-	-	-	-
1986	-	-	-	-
1987	-	-	-	-
1988	-	-	-	-
1989	-	-	-	-
1990	-	-	-	-

Table 10.8 River Kent - salmon

YEAR	LAVE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-
1952	6	83 801	-	-	-	-
1953	6	95 917	-	-	-	-
1954	6	90 891	-	-	-	-
1955	6	222 2096	125	1198 (b)	347	3294
1956	6	145 1269	117	583 (b)	262	1852
1957	6	345 2809	71	394 (b)	416	3203
1958	6	194 1570	48	331	242	1901
1959	6	304 2647	29	245	333	2892
1960	8	65 563	32	259	97	822
1961	8	44 363	77	428	121	791
1962 (a)	12	232 1650	98	792	330	2442
1963	8	284 2249	136	1225	420	3474
1964	8	420 3395	150	1194	570	4589
1965	8	265 2220	103	923	368	3143
1966	8	407 3301	153	1396	560	4697
1967	8	756 6150	4	28	760	6178
1968	8	623 5064	4	31	627	5095
1969	8	571 4579	19	169	590	4748
1970	8	543 4252	122	1001	665	5253
1971	8	252 1806	108	762	360	2568
1972	8	128 928	55	377	183	1305
1973	8	166 1178	185	1343	351	2521
1974	8	163 1232	224	1577	387	2809
1975	8	279 2572	114	889	393	3461
1976	8	260 1916	84	556	344	2472
1977	8	236 1746	137	808	373	2554
1978	8	374 2902	222	1354	596	4256
1979	8	97 743	128	817	225	1560
1980	8	61 481	93	578	154	1059
1981	8	55 451	143	1064	198	1515
1982	8	39 238	189	1106	228	1344
1983	8	31 196	63	448	94	644
1984	8	131 871	47	254	178	1125
1985	8	20 205	97	655	117	860
1986	8	61 437	239	1508	300	1945
1987	8	26 209	179	1250	205	1459
1988	8	102 745	338	2297	440	3042
1989	8	357 2538	209	1175	566	3713
1990	8	197 1874	307	2114	504	3988

Key: (a) Numbers of lave net licences for the Kent and Leven are combined for 1962; catches are reported separately.
 (b) Rod data for 1955-57 for salmon, and 1953-57 for migratory trout, include catches on the rivers Kent, Leven and Duddon.

Table 10.9 River Kent - migratory trout

YEAR	LAVE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-
1952	6	-	-	-	-	-
1953	6	-	1027	-	1027	-
1954	6	-	-	(b)	-	(b)
1955	6	4 8	971	(b)	971	(b)
1956	6	8 16	696	918 (b)	700	926
1957	6	2 413	494	727 (b)	502	743
1958	6	4 19	802	816 (b)	804	829
1959	6	12 57	295	270	299	289
1960	8	-	335	311	347	368
1961	8	1 3	349	505	349	505
1962	12	3 15	150	216	151	219
1963	8	4 27	447	483	450	498
1964	8	7 41	322	477	326	504
1965	8	3 24	271	356	278	397
1966	8	16 85	363	579	366	603
1967	8	20 120	477	803	493	888
1968	8	12 70	133	193	153	313
1969	8	23 133	55	52	67	122
1970	8	32 170	70	119	93	252
1971	8	16 80	211	303	243	473
1972	8	5 29	314	451	330	531
1973	8	20 103	161	255	166	284
1974	8	9 47	589	1156	609	1259
1975	8	38 215	306	612	315	659
1976	8	59 276	201	318	239	533
1977	8	70 333	279	511	203	466
1978	8	91 397	144	190	349	844
1979	8	20 58	271	469	362	866
1980	8	22 70	441	684	461	742
1981	8	12 57	386	776	408	846
1982	8	46 188	228	467	240	524
1983	8	11 39	244	437	290	625
1984	8	43 132	124	247	135	286
1985	8	5 22	67	132	110	264
1986	8	13 62	148	329	153	351
1987	8	5 26	186	306	199	368
1988	8	27 119	413	862	418	868
1989	8	80 346	361	783	388	902
1990	8	10 53	245	472	325	818
			253	450	263	503

Table 10.10 River Leven - salmon

YEAR	LAVENET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-
1952	4	-	-	-	-	-
1953	4	-	-	-	-	-
1954	-	-	-	-	-	-
1955	1	2	-	(b)	-	-
1956	3	5	-	(b)	-	-
1957	4	31	-	(b)	-	-
1958	4	33	74	582	107	895
1959	4	23	48	478	71	722
1960	6	35	73	647	108	1018
1961	6	22	54	462	76	671
1962 (a)	12	67	107	1409	174	1409
1963	6	88	157	1242	245	1925
1964	6	93	181	1372	274	2120
1965	6	103	218	1798	321	2694
1966	6	84	215	1824	299	2488
1967	6	136	218	2000	354	3340
1968	6	272	303	2410	575	4897
1969	6	216	296	2091	512	3650
1970	6	37	125	914	162	1187
1971	6	34	64	472	98	715
1972	6	73	132	810	205	1451
1973	6	109	122	967	231	1839
1974	6	211	310	2438	521	4134
1975	6	72	116	1011	188	1652
1976	6	69	130	896	199	1391
1977	6	44	117	816	161	1146
1978	6	89	117	900	206	1591
1979	6	6	45	262	51	306
1980	6	89	176	1224	265	1916
1981	6	25	73	544	98	727
1982	6	31	160	877	191	1081
1983	6	34	52	282	86	539
1984	6	42	37	240	79	483
1985	6	1	48	317	49	328
1986	6	7	63	403	70	449
1987	6	22	67	434	89	608
1988	6	27	239	1559	266	1777
1989	6	95	73	470	168	1123
1990	6	53	111	809	164	1151

Key: (a) Numbers of lave net licences for the Kent and Leven are combined for 1962; catches are reported separately.

(b) Rod data for 1955-57 for salmon, and 1953-57 for migratory trout, were combined for the rivers Kent, Leven and Duddon and are included in Tables 10.8 and 10.9 respectively.

Table 10.11 River Leven - migratory trout

YEAR	LAVENET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-
1952	4	-	-	-	-	-
1953	4	-	-	(b)	-	-
1954	-	-	-	(b)	-	-
1955	1	-	-	(b)	-	-
1956	3	-	-	(b)	-	-
1957	4	2	-	(b)	-	-
1958	4	7	203	301	210	352
1959	4	20	295	350	315	411
1960	6	6	317	388	323	430
1961	6	3	97	181	100	195
1962	12	5	30	469	359	499
1963	6	3	385	547	388	563
1964	6	10	293	402	303	461
1965	6	3	2130	2720	2133	2748
1966	6	3	391	524	394	549
1967	6	-	133	227	133	227
1968	6	2	112	179	114	192
1969	6	3	229	295	232	313
1970	6	2	511	535	513	543
1971	6	1	482	543	393	547
1972	6	3	482	588	485	606
1973	6	7	607	775	614	814
1974	6	24	545	801	569	916
1975	6	14	329	467	343	542
1976	6	15	532	658	547	727
1977	6	4	149	210	153	227
1978	6	9	124	172	133	211
1979	6	-	132	160	132	160
1980	6	40	517	836	557	1057
1981	6	9	420	827	429	862
1982	6	15	65	478	252	543
1983	6	17	199	328	216	411
1984	6	30	139	245	169	371
1985	6	1	79	187	80	191
1986	6	6	137	236	143	258
1987	6	6	157	254	163	278
1988	6	28	232	434	260	580
1989	6	50	109	198	159	398
1990	6	13	101	198	114	255

Table 10.12 River Duddon - salmon

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	3	138	-	-	-	-
1952	3	19	-	-	-	-
1953	3	17	-	-	-	-
1954	3	24	-	-	-	-
1955	3	39	-	(a)	-	-
1956	3	26	-	(a)	-	-
1957	3	41	-	(a)	-	-
1958	3	51	4	35	55	465
1959	3	35	-	-	-	-
1960	3	32	2	16	34	293
1961	3	22	-	-	-	-
1962	3	25	3	22	28	206
1963	3	95	4	45	99	839
1964	3	151	15	131	166	1414
1965	3	122	-	-	-	-
1966	3	142	7	69	149	1441
1967	3	115	14	81	129	1153
1968	3	97	6	43	103	919
1969	3	152	4	33	156	1153
1970	3	107	6	40	113	816
1971	3	48	2	11	50	331
1972	3	29	2	21	31	256
1973	3	9	12	75	21	153
1974	3	51	12	93	63	528
1975	3	23	13	108	36	316
1976	3	49	30	198	79	519
1977	3	53	27	187	80	601
1978	3	72	7	47	79	574
1979	3	55	20	158	75	396
1980	3	82	15	124	97	521
1981	3	5	5	41	10	94
1982	3	1	23	183	24	190
1983	3	59	5	32	64	372
1984	3	51	7	49	58	437
1985	3	10	31	223	41	316
1986	3	16	38	256	54	406
1987	3	19	28	205	47	390
1988	3	15	47	351	62	475
1989	3	21	27	168	48	358
1990	3	40	38	254	78	527

Key: (a) Rod data for 1955-57 for salmon, and 1953-57 for migratory trout, were combined for the rivers Kent, Leven and Duddon and are included in Tables 10.8 and 10.9 respectively.

Table 10.13 River Duddon - migratory trout

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	3	138	-	-	-	-
1952	3	245	-	-	-	-
1953	3	86	-	(a)	-	-
1954	3	58	-	(a)	-	-
1955	3	230	-	(a)	-	-
1956	3	40	-	(a)	-	-
1957	3	118	-	(a)	-	-
1958	3	73	383	298	456	561
1959	3	60	264	218	324	414
1960	3	72	353	238	425	490
1961	3	95	118	130	213	410
1962	3	139	163	240	302	694
1963	3	225	170	196	395	940
1964	3	277	351	539	628	1811
1965	3	350	130	305	480	1598
1966	3	262	209	274	471	1368
1967	3	423	255	270	678	1635
1968	3	216	55	73	271	1024
1969	3	285	38	50	323	1174
1970	3	160	32	48	192	694
1971	3	134	110	88	244	679
1972	3	42	36	53	78	221
1973	3	42	58	110	100	240
1974	3	133	79	134	212	681
1975	3	42	45	87	87	244
1976	3	22	16	35	38	117
1977	3	88	17	32	105	335
1978	3	122	49	51	171	368
1979	3	76	26	46	102	249
1980	3	97	75	136	172	408
1981	3	11	43	62	54	96
1982	3	15	31	46	46	80
1983	3	84	13	31	97	291
1984	3	101	13	38	114	325
1985	3	38	20	44	58	185
1986	3	31	15	24	46	123
1987	3	73	17	24	90	200
1988	3	155	25	55	180	463
1989	3	187	36	104	223	741
1990	3	3	20	44	23	55

Table 10.14 River Annas - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-
1952	-	-	-	-
1953-61	(a)		-	-
1962	105	726	-	-
1963	73	545	-	-
1964	35	245	-	-
1965-67	(a)		-	-
1968	8	56	-	-
1969	4	27	-	-
1970	9	50	-	-
1971	1	5	-	-
1972	-	-	-	-
1973	2	8	-	-
1974	4	31	-	-
1975	1	8	-	-
1976	8	41	-	-
1977	-	-	-	-
1978	5	41	-	-
1979	4	13	-	-
1980	15	94	-	-
1981	3	13	-	-
1982	-	-	-	-
1983	-	-	-	-
1984	-	-	-	-
1985	-	-	-	-
1986	-	-	-	-
1987	-	-	-	-
1988	-	-	-	-
1989	-	-	-	-
1990	-	-	-	-

Key: (a) For the periods 1953-61 and 1965-67 salmon rod catches for the rivers: Annas, Esk, Irt, Calder and Ehen were aggregated and recorded under S. & W. Cumbria (Tables 10.21-10.22).

Note: Data for the river Esk fishing baulk are also aggregated under S. & W. Cumbria (Tables 10.21-10.22) for reasons of confidentiality.

Table 10.15 River Esk - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-
1952	-	-	-	-
1953-61	(a)		-	-
1962	15	104	-	-
1963	20	149	-	-
1964	22	154	-	-
1965-67	(a)		-	-
1968	22	89	-	-
1969	16	121	-	-
1970	9	61	-	-
1971	6	39	-	-
1972	8	55	-	-
1973	-	-	-	-
1974	12	87	-	-
1975	6	54	-	-
1976	23	205	165	297
1977	42	315	411	662
1978	9	85	155	250
1979	28	220	47	74
1980	15	111	115	198
1981	15	139	85	153
1982	7	39	27	43
1983	4	25	27	68
1984	2	15	19	40
1985	38	291	80	137
1986	43	461	45	68
1987	25	324	129	249
1988	60	485	93	216
1989	11	55	21	66
1990	21	119	39	95

Table 10.16 River Irt - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-
1952	-	-	-	-
1953-61	(a)	-	-	-
1962	330	2283	-	-
1963	394	2944	-	-
1964	436	3057	-	-
1965-67	(a)	-	-	-
1968	174	1191	-	-
1969	165	1204	-	-
1970	161	1200	-	-
1971	153	1118	-	-
1972	107	846	-	-
1973	98	712	-	-
1974	127	866	-	-
1975	90	693	-	-
1976	102	667	168	370
1977	59	483	48	120
1978	79	589	74	169
1979	30	210	29	44
1980	68	439	95	222
1981	64	449	95	218
1982	27	168	39	80
1983	28	215	24	62
1984	48	306	40	71
1985	69	441	45	135
1986	77	575	41	123
1987	48	355	100	207
1988	106	776	106	220
1989	116	805	63	154
1990	38	254	37	66

Key: (a) For the periods 1953-61 and 1965-67 salmon rod catches for the rivers: Annas, Esk, Irt, Calder and Ehen were aggregated and recorded under S. & W. Cumbria (Tables 10.21-10.22).

Table 10.17 River Calder - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-
1952	-	-	-	-
1953-61	(a)	-	-	-
1962	114	789	-	-
1963	82	613	-	-
1964	92	645	-	-
1965-67	(a)	-	-	-
1968	4	27	-	-
1969	32	245	-	-
1970	33	215	-	-
1971	19	112	-	-
1972	6	59	-	-
1973	33	228	-	-
1974	40	260	-	-
1975	12	79	-	-
1976	12	79	6	14
1977	31	189	7	20
1978	21	150	7	14
1979	8	50	11	14
1980	20	133	32	59
1981	19	127	5	16
1982	12	60	37	73
1983	-	-	-	-
1984	-	-	-	-
1985	-	-	-	-
1986	-	-	-	-
1987	-	-	-	-
1988	-	-	-	-
1989	-	-	-	-
1990	-	-	-	-

Table 10.18 River Ehen - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-
1952	-	-	-	-
1953-61		(a)	-	-
1962	996	6891	-	-
1963	680	5081	-	-
1964	947	6640	-	-
1965-67		(a)	-	-
1968	69	423	-	-
1969	99	638	-	-
1970	113	755	-	-
1971	108	703	-	-
1972	63	468	-	-
1973	47	305	-	-
1974	81	572	-	-
1975	62	384	-	-
1976	46	287	-	-
1977	79	545	94	144
1978	75	503	68	152
1979	45	313	137	192
1980	97	615	150	205
1981	36	270	109	162
1982	79	472	140	202
1983	38	226	151	272
1984	63	401	108	179
1985	110	809	231	448
1986	77	571	196	329
1987	117	814	244	500
1988	265	1914	230	366
1989	187	1199	125	249
1990	100	690	104	221
			58	123

Key: (a) For the periods 1953-61 and 1965-67 salmon rod catches for the rivers: Annas, Esk, Irt, Calder and Ehen were aggregated and recorded under S. & W. Cumbria (Tables 10.21-10.22).

Table 10.19 River Derwent - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	545	5040	-	-
1952	828	8405	-	-
1953	772	7540	1249	1250
1954	1182	12317	1313	1401
1955	768	6074	-	-
1956	1750	15996	-	-
1957	1419	11119	-	-
1958	1976	17981	-	-
1959	507	4732	-	-
1960	1171	9618	-	-
1961	1026	10260	-	-
1962	1967	15825	-	-
1963	2236	19738	-	-
1964	2782	22628	-	-
1965	1637	12945	-	-
1966	1658	14919	-	-
1967	948	8253	-	-
1968	326	2374	-	-
1969	497	4002	-	-
1970	725	5861	-	-
1971	748	5887	-	-
1972	280	2546	-	-
1973	549	4689	-	-
1974	1200	9744	-	-
1975	767	6464	-	-
1976	374	2838	216	387
1977	746	5998	218	412
1978	552	4864	124	201
1979	545	4476	270	424
1980	924	7671	333	639
1981	661	6104	617	1296
1982	720	5622	394	684
1983	345	2799	397	557
1984	604	4643	352	628
1985	1062	8944	279	611
1986	557	4850	218	558
1987	824	7291	226	542
1988	1467	12251	132	262
1989	971	8135	157	351
1990	880	7368	89	194

Notes: Data for the Derwent crib and drift nets are, for reasons of confidentiality, aggregated and recorded under S. & W. Cumbria (Tables 10.21-10.22).

Table 10.20 Cumbrian coastal drift nets

YEAR	LIC	SALMON		MIGRATORY TROUT	
		NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951-70					
1971	2	-	-	-	-
1972	4	-	-	-	-
1973	4	-	-	-	-
1974	4	287	2046	-	-
1975	4	219	1905	-	-
1976	4	477	3329	-	-
1977	4	467	3563	-	-
1978	4	464	3257	6	29
1979	4	275	1903	5	24
1980	4	198	1651	11	55
1981	4	457	3811	17	80
1982	4	748	5356	35	172
1983	4	1167	8454	9	44
1984	4	735	6054	31	154
1985	4	417	3040	5	24
1986	4	868	6596	34	192
1987	4	416	3307	12	60
1988	4	760	5287	7	31
1989	4	816	5556	8	35
1990	4	479	4178	2	9

Note: Catches for 1971-73 are aggregated and included under S. & W. Cumbria (Tables 10.21. and 10.22.).

Table 10.21 South and West Cumbria - salmon

YEAR	NET & FIXED ENGINE CATCH										ROD CATCH		TOTAL CATCH		
	NUMBER OF LICENCES					TOTAL					NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	
	ESK BAULK	DERWENT DRIFT	COASTAL CRIB	ELLEN DRIFT	HAAF	LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)					
1951	1	-	1	-	-	2	-	-	-	-	-	-	-	-	-
1952	1	-	1	-	-	2	-	-	-	-	-	-	-	-	-
1953	1	-	1	-	-	2	325	2970	-	-	305	2213	630	5183	-
1954	1	-	1	-	-	2	329	2704	-	-	229	1833	558	4537	-
1955	1	-	1	-	-	2	195	1614	-	-	146	1052	341	2666	-
1956	1	-	1	-	-	2	265	2526	-	-	393	2755	658	5281	-
1957	1	-	1	-	-	2	639	3852	-	-	618	4025	1257	7877	-
1958	1	-	1	-	-	2	806	6941	-	-	1297	9063	2103	16004	-
1959	1	-	1	-	-	2	757	6604	-	-	460	3641	1217	10245	-
1960	1	-	1	-	-	2	528	4254	-	-	499	3676	1027	7930	-
1961	1	-	1	-	-	2	184	1777	-	-	517	3827	701	5604	-
1962	1	-	1	-	-	2	501	3666	-	-	-	-	501	3666	-
1963	1	-	2	-	-	4	1601	9759	-	-	-	-	1601	9759	-
1964	1	-	1	-	-	3	598	3291	-	-	-	-	598	3291	-
1965	1	-	1	-	-	3	502	2960	-	-	1113	7670	1615	10630	-
1966	1	-	1	-	-	3	832	6910	-	-	723	6142	1555	13052	-
1967	1	-	1	-	-	3	773	6153	-	-	429	3271	1202	9424	-
1968	1	-	1	-	-	2	595	3699	-	-	-	-	595	3699	-
1969	1	-	1	-	-	2	498	3282	-	-	-	-	498	3282	-
1970	1	-	1	-	-	2	422	2772	-	-	-	-	422	2772	-
1971	1	-	1	-	-	2	316	2675	-	-	-	-	316	2675	-
1972	1	-	1	2	-	4	4	1943	-	-	-	-	227	1943	-
1973	1	-	1	4	-	6	227	1031	-	-	-	-	122	1031	-
1974	1	-	1	4	-	6	122	1031	-	-	-	-	36	277	-
1975	1	-	1	-	-	2	36	277	-	-	-	-	95	850	-
1976	1	-	1	-	-	2	95	850	-	-	-	-	53	409	-
1977	1	-	1	-	-	2	47	353	-	-	-	-	47	353	-
1978	1	-	1	-	-	2	94	633	-	-	-	-	94	633	-
1979	1	-	1	-	-	2	37	259	-	-	-	-	37	259	-
1980	1	-	1	-	-	2	142	919	-	-	-	-	142	919	-
1981	1	-	1	-	4	6	129	980	-	-	-	-	129	980	-
1982	1	-	1	-	2	4	135	987	-	-	-	-	135	987	-
1983	1	-	1	-	1	3	31	213	-	-	-	-	31	213	-
1984	1	-	-	-	1	2	0	0	-	-	-	-	-	-	-
1985	1	-	-	-	1	2	0	0	-	-	-	-	-	-	-
1986	1	-	-	-	1	2	11	84	-	-	-	-	11	84	-
1987	1	-	2 (a)	-	1	4	0	0	-	-	-	-	-	-	-
1988	1	-	2 (a)	-	1	4	0	0	-	-	-	-	-	-	-
1989	1	-	2 (a)	-	1	4	28	172	-	-	-	-	28	172	-
1990	1	-	2 (a)	-	1	4	6	26	-	-	-	-	6	26	-

Key: (a) Privileged fixed engines, not fished from 1987.

Notes: The rod catch data include the rivers: Annas, Esk, Irt, Calder and Ehen. However, for 1962-64 and from 1968 catches were reported by river of capture. Certain of the privileged fixed engines operated in this area have been covered by confidentiality agreements. Data for these fisheries cannot be disclosed and catches are recorded as area totals only.

Table 10.22 South and West Cumbria - migratory trout

YEAR	NET & FIXED ENGINE CATCH						ROD CATCH		TOTAL CATCH	
	NUMBER OF LICENCES			LIC	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
	ESK BAULK	DERWENT CRIB	ELLEN HAAF							
1951	1	1	-	2	-	-	-	-	-	-
1952	1	1	-	2	-	-	-	-	-	-
1953	1	1	-	2	192	816	2655	2718	2847	3534
1954	1	1	-	2	123	539	2523	2298	2646	2837
1955-77	1	1	-	2	Catch returns not required					
1978	1	1	-	2	11	44	-	-	11	44
1979	1	1	-	2	6	43	-	-	6	43
1980	1	1	-	2	16	65	-	-	16	65
1981	1	1	4	6	192	438	-	-	192	438
1982	1	1	2	4	191	399	-	-	191	399
1983	1	1	1	3	72	203	-	-	72	203
1984	1	-	1	2	0	0	-	-	-	-
1985	1	-	1	2	0	0	-	-	-	-
1986	1	-	1	2	49	121	-	-	49	121
1987	1	2 (a)	1	4	0	0	-	-	-	-
1988	1	2 (a)	1	4	0	0	-	-	-	-
1989	1	2 (a)	1	4	62	196	-	-	62	196
1990	1	2 (a)	1	4	13	93	-	-	13	93

Key: (a) Privileged fixed engines, not fished from 1987.

Notes: The rod catch data include the rivers: Annas, Esk, Irt, Calder and Ehen. However, for other years catches were reported by river of capture. Certain of the privileged fixed engines operated in this area have been covered by confidentiality agreements. Data for these fisheries cannot be disclosed and catches are recorded as area totals only.

Table 10.23 River Ellen - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-
1952	-	-	-	-
1953	-	-	76	47
1954	-	-	405	262
1955	-	-	-	-
1956	-	-	-	-
1957	-	-	-	-
1958	-	-	-	-
1959	-	-	-	-
1960	-	-	-	-
1961	-	-	-	-
1962	1	10	-	-
1963	25	178	-	-
1964	20	127	-	-
1965	44	-	-	-
1966	124	-	-	-
1967	66	425	-	-
1968	19	132	-	-
1969	7	42	-	-
1970	47	289	-	-
1971	86	575	-	-
1972	11	111	-	-
1973	5	29	-	-
1974	46	295	-	-
1975	28	230	-	-
1976	8	56	5	11
1977	14	96	-	-
1978	29	176	24	27
1979	35	195	9	16
1980	40	298	37	67
1981	38	253	7	16
1982	102	607	41	47
1983	26	150	7	13
1984	16	82	4	4
1985	26	176	1	2
1986	12	75	4	4
1987	29	170	22	51
1988	41	289	9	26
1989	32	223	11	24
1990	28	172	2	7

Note: For 1981-82 a small haaf net fishery operated on the River Ellen; catches have been included under S. & W. Cumbria (Tables 10.21-10.22).

Table 10.24 River Eden - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	1546	24593	-	-
1952	1565	22679	-	-
1953	1210	17834	335	346
1954	1771	23867	731	565
1955	1920	28629	-	-
1956	1489	20236	-	-
1957	2094	27228	-	-
1958	1874	24411	-	-
1959	1799	23784	-	-
1960	1619	22525	-	-
1961	1535	20165	-	-
1962	1682	23559	-	-
1963	1615	20163	-	-
1964	1435	17877	-	-
1965	2084	25336	-	-
1966	2333	31225	-	-
1967	741	10243	-	-
1968	487	6097	-	-
1969	432	5451	-	-
1970	723	8547	-	-
1971	430	4899	-	-
1972	508	6429	-	-
1973	446	4594	-	-
1974	410	4184	-	-
1975	503	5332	-	-
1976	313	3144	273	423
1977	391	3959	181	261
1978	862	8847	624	1048
1979	556	6605	586	1025
1980	578	6017	838	1592
1981	453	5151	831	1679
1982	512	4588	961	1932
1983	653	5623	757	1501
1984	697	6367	1216	2110
1985	691	6892	698	1539
1986	756	7654	478	922
1987	839	7961	770	1451
1988	1239	11356	1213	2749
1989	1056	8937	692	1473
1990	1538	14453	375	813

Note: River Eden (Solway) net and fixed engine catches are reported under Eden & Esk (Tables 10.28. and 10.29).

Table 10.25 River Esk (Border) - salmon

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH	
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-	-	-
1952	1	-	-	-	-	-
1953	1	-	147	1948	-	-
1954	1	166	241	2982	407	4979
1955	1	130	341	4730	471	5871
1956	-	-	218	2708	218	2708
1957	-	-	359	3778	359	3778
1958	-	-	353	4166	353	4166
1959	-	-	298	3652	298	3652
1960	-	-	310	3596	310	3596
1961	-	-	230	2989	230	2989
1962	-	-	399	4533	399	4533
1963	-	-	620	7390	620	7390
1964	-	-	495	5583	495	5583
1965	-	-	408	5040	408	5040
1966	1	125	516	6250	641	7417
1967	1	64	238	2582	302	3350
1968	1	20	83	850	103	997
1969	1	15	122	1211	137	1326
1970	-	-	123	1138	-	-
1971	1	3	102	933	105	966
1972	1	9	76	823	85	938
1973	1	80	151	1417	159	1497
1974	-	-	82	778	82	778
1975	-	-	190	1767	190	1767
1976	-	-	75	618	75	618
1977	-	-	100	769	100	769
1978	-	-	75	672	75	672
1979	-	-	89	767	89	767
1980	-	-	138	1243	138	1243
1981	-	-	114	1269	114	1269
1982	-	-	108	934	108	934
1983	-	-	269	2478	269	2478
1984	-	-	135	1239	135	1239
1985	-	-	88	820	88	820
1986	-	-	267	2516	267	2516
1987	-	-	139	1140	139	1140
1988	-	-	308	2705	308	2705
1989	-	-	256	2136	256	2136
1990	-	-	353	3329	353	3329

Table 10.26 River Esk (Border) - migratory trout

YEAR	SEINE NET CATCH		ROD CATCH		TOTAL CATCH		
	LIC	NO WEIGHT (LBS)	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)	
1951	-	-	-	-	-	-	
1952	1	-	-	-	-	-	
1953	1	-	1937	1549	-	-	
1954	1	600	4453	3018	5053	4574	
1955-75	-	-	Catch returns not required				-
1976	-	-	737	914	737	914	
1977	-	-	447	630	447	630	
1978	-	-	852	1372	852	1372	
1979	-	-	707	1032	707	1032	
1980	-	-	845	1496	845	1496	
1981	-	-	980	1509	980	1509	
1982	-	-	735	1183	735	1183	
1983	-	-	398	686	398	686	
1984	-	-	632	1184	632	1184	
1985	-	-	619	1045	619	1045	
1986	-	-	639	1109	639	1109	
1987	-	-	682	1083	682	1083	
1988	-	-	903	1543	903	1543	
1989	-	-	292	509	292	509	
1990	-	-	166	315	166	315	

Table 10.27 Rivers Eden and Esk (Solway) - salmon - net and fixed engine catch

YEAR	DRIFT NETS		SEINE NETS		HAAF NETS		CRIB OR COOP		TOTAL	
	LIC	NO WEIGHT (LBS)	LIC	NO WEIGHT (LBS)	LIC	NO WEIGHT (LBS)	LIC	NO WEIGHT (LBS)	LIC	NO WEIGHT (LBS)
1951	-	-	3	694 8098	103	-	3	108 1430	109	802 9528
1952	1	-	3	993 10758	108	-	3	214 2710	115	1207 13468
1953	-	-	3	-	107	-	3	-	113	927 10394
1954	-	-	3	-	110	-	3	-	116	959 10891
1955	-	-	3	-	113	-	3	-	119	1546 15930
1956	-	-	4	-	115	471	3	-	122	1730 19398
1957	-	-	5	-	145	-	3	-	153	1557 14950
1958	-	-	5	-	122	-	3	-	130	1601 16744
1959	-	-	5	-	141	-	3	-	149	2592 28408
1960	4	-	4	-	154	-	3	-	165	1981 20422
1961	6	-	4	-	165	-	3	-	178	2272 24872
1962	2	-	4	-	177	-	3	-	186	1806 18639
1963	2	-	4	-	186	-	3	-	195	2079 21512
1964	1	99	3	1273	201	856	3	207	208	2435 23331
1965	2	-	3	-	198	-	3	-	206	1540 17122
1966	1	-	3	-	201	-	3	-	208	3189 30662
1967	1	-	2	-	201	-	3	-	207	1886 21573
1968	1	-	3	-	214	-	3	-	221	1950 21415
1969	1	-	3	-	172	-	3	-	179	2455 21608
1970	1	3 20	3	-	162	-	3	-	169	1411 13136
1971	-	-	2	-	163	-	3	-	168	1675 14768
1972	-	-	2	-	172	-	3	-	177	1289 12192
1973	-	-	2	-	178	-	3	-	183	1613 15258
1974	-	-	3	-	179	-	3	-	185	1382 12120
1975	-	-	3	-	186	-	3	-	192	1151 11372
1976	-	-	2	-	166	-	2	-	170	1275 10085
1977	-	-	2	-	165	-	2	-	169	1479 11758
1978	-	-	2	-	177	-	2	-	181	2015 16604
1979	-	-	2	-	152	-	2	-	156	1024 8458
1980	-	-	2	-	166	-	2	-	170	1010 9039
1981	-	-	2	-	164	-	2	-	168	1337 12180
1982	-	-	2	-	163	-	2	-	167	1773 13102
1983	-	-	2	-	195	-	2	-	199	5058 36941
1984	1	-	1	-	206	-	2	-	209	4261 29936
1985	-	-	1	-	236	-	2	-	239	585 5077
1986	-	-	1	-	237	-	2	-	240	2971 28353
1987	-	-	1	-	227	-	2	-	230	1999 17613
1988	-	-	-	-	165	-	2	-	167	880 7216
1989	-	-	-	-	165	-	3	-	168	1971 14866
1990	-	-	-	-	165	-	2	-	167	1883 16969

Notes: Total net & fixed engine catches do not include data for haaf nets (1951-55) or drift net (1952). Netmen operating in the public waters of the Solway Firth were not required to make catch returns before 1956. In most years catch data were not available by method of capture.

Table 10.28 Rivers Eden and Esk (Solway) - migratory trout - net and fixed engine catch

YEAR	DRIFT NETS		SEINE NETS		HAAF NETS		CRIB OR COOP		TOTAL		
	LIC	NO WEIGHT (LBS)	LIC	NO WEIGHT (LBS)	LIC	NO WEIGHT (LBS)	LIC	NO WEIGHT (LBS)	LIC	NO WEIGHT (LBS)	
1951	-	-	3	-	103	-	3	-	109	-	-
1952	1	-	3	-	108	-	3	-	115	-	-
1953	-	-	3	-	107	-	3	-	113	119	293
1954	-	-	3	-	110	-	3	-	116	114	320
1955-77	Catch returns not required										
1978	2	-	2	-	177	-	2	-	181	4238	9239
1979	2	-	2	-	152	-	2	-	156	2141	5331
1980	2	-	2	-	166	-	2	-	170	5674	12256
1981	2	-	2	-	164	-	2	-	168	3955	8780
1982	2	-	2	-	163	-	2	-	167	6688	16185
1983	-	-	2	-	195	-	2	-	199	6646	15765
1984	-	-	1	-	206	-	2	-	209	8285	19345
1985	-	-	1	-	236	-	2	-	239	5062	12251
1986	-	-	1	-	237	-	2	-	240	4707	11288
1987	-	-	1	-	227	-	2	-	230	5109	12383
1988	-	-	-	-	165	-	2	-	167	4949	10754
1989	-	-	-	-	165	-	3	-	168	3849	11874
1990	-	-	-	-	165	-	2	-	167	2193	5997

Notes: Total net & fixed engine catches do not include data for haaf nets (1951-55) or drift net (1952). Netsmen operating in the public waters of the Solway Firth were not required to make catch returns before 1956.
Catch data were not available by method of capture.

Table 10.29 North West Region - minor rivers - rods

YEAR	SALMON		MIGRATORY TROUT	
	NO	WEIGHT (LBS)	NO	WEIGHT (LBS)
1951	-	-	-	-
1952	-	-	-	-
1953	-	-	-	-
1954	-	-	-	-
1955	-	-	-	-
1956	-	-	-	-
1957	-	-	-	-
1958	22	160	351	337
1959	26	241	509	476
1960	2	11	748	714
1961	33	229	489	686
1962	15	106	479	495
1963	11	70	343	370
1964	67	503	264	349
1965	66	401	414	477
1966	56	422	398	576
1967	75	487	189	235
1968	11	86	400	357
1969	4	32	383	388
1970	-	-	4	6
1971	-	-	6	4
1972	-	-	2	2
1973	1	4	91	110
1974	-	-	79	107
1975	-	-	92	112
1976	-	-	36	40
1977	-	-	27	45
1978	-	-	65	84
1979	-	-	57	67
1980	-	-	50	92
1981	-	-	114	128
1982	2	13	107	171
1983	4	29	146	231
1984	24	139	66	132
1985	146	1495	534	1162
1986	15	106	43	75
1987	7	37	157	214
1988	24	157	74	126
1989	62	401	39	95
1990	16	101	10	22

Table 10.30 North West Region - totals

YEAR	ROD CATCH		MIGRATORY TROUT		LIC	NET & FIXED ENGINE CATCH		MIGRATORY TROUT		TOTAL CATCH	
	SALMON NO WEIGHT (LBS)	MIGRATORY TROUT NO WEIGHT (LBS)	SALMON NO WEIGHT (LBS)	MIGRATORY TROUT NO WEIGHT (LBS)		SALMON NO WEIGHT (LBS)	MIGRATORY TROUT NO WEIGHT (LBS)	SALMON NO WEIGHT (LBS)	MIGRATORY TROUT NO WEIGHT (LBS)		
1951	2425	34045	-	-	183	4003	44685	-	-	6428	78730
1952	2861	36191	-	-	198	4510	50705	-	-	7371	86896
1953	3052	35541	-	-	194	3390	36285	-	-	6442	71826
1954	4280	50420	-	-	195	4090	44328	-	-	8370	94748
1955	3770	47303	-	-	197	4445	45245	-	-	8215	92548
1956	4495	48512	-	-	201	3790	39968	-	-	8285	88480
1957	5357	54200	-	-	231	5203	45043	-	-	10560	99243
1958	6782	66424	-	-	206	4957	45911	-	-	11739	112335
1959	3566	40568	-	-	225	6960	71028	-	-	10526	111596
1960	4389	47527	-	-	245	5693	56019	-	-	10082	103546
1961	4207	45098	-	-	258	4762	51138	-	-	8969	96236
1962	6817	65915	-	-	264	7109	64203	-	-	13926	130118
1963	7473	74506	-	-	277	8151	72651	-	-	15624	147157
1964	7750	70707	-	-	289	8109	71991	-	-	15859	142698
1965	6603	63471	-	-	289	6784	64346	-	-	13387	127817
1966	7487	80476	-	-	293	10618	99995	-	-	18105	180471
1967	3493	34496	-	-	293	10564	102742	-	-	14057	137238
1968	1940	17866	-	-	306	7876	74390	-	-	9816	92256
1969	1947	17540	-	-	264	8159	69064	-	-	10106	86604
1970	2982	26424	-	-	253	6709	54891	-	-	9691	81315
1971	2310	19394	-	-	257	4989	41682	-	-	7299	61076
1972	1766	16759	-	-	269	3941	34731	-	-	5707	51490
1973	2590	22969	-	-	277	4939	42986	-	-	7529	65955
1974	4382	35653	-	-	274	6282	49810	-	-	10664	85463
1975	2881	26538	-	-	281	5251	51250	-	-	8132	77788
1976	1896	14792	4060	6399	260	5348	38034	-	-	7244	52826
1977	2571	20821	3619	6351	259	5312	43013	-	-	7883	63834
1978	3067	27198	4246	7153	269	7321	58099	5354	13265	10388	85297
1979	2531	23115	4500	6909	245	3723	33349	2926	8093	6254	56464
1980	3774	32245	6700	12877	236	3769	34632	8231	20379	7543	66877
1981	2821	28109	5504	10811	238	5048	51081	5149	13287	7869	79190
1982	2726	20835	4557	8726	235	3944	29273	7844	20639	6670	50108
1983	2062	17091	3812	6986	266	8489	63303	7710	20055	10551	80394
1984	2400	19198	4446	8286	275	7987	57817	10742	27253	10387	77015
1985	3260	28998	3993	8511	305	2559	21947	6467	17533	5819	50945
1986	2999	26810	3739	7175	306	6682	58918	5633	14771	9681	85728
1987	3781	32673	5195	10468	298	5052	41000	6032	15628	8833	73673
1988	6505	54131	6215	13140	235	5671	45377	7207	17746	12176	99508
1989	3986	31799	3481	7263	236	7294	55278	5737	18449	11280	87077
1990	4928	42823	2499	5356	235	5579	48156	3271	10537	10507	90979
											5770
											25712
											15893

Note: Catch returns for migratory trout were not required in the Cumbria area before 1976 for rods, and 1978 for nets and fixed engines. Regional totals for migratory trout could therefore not be compiled until 1978.

Figure 10.2 Declared rod catch of salmon for the River Ribble

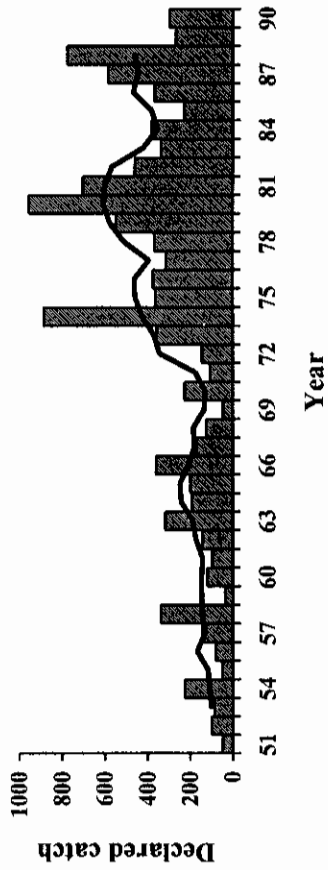


Figure 10.3 Declared rod catch of migratory trout for the River Ribble

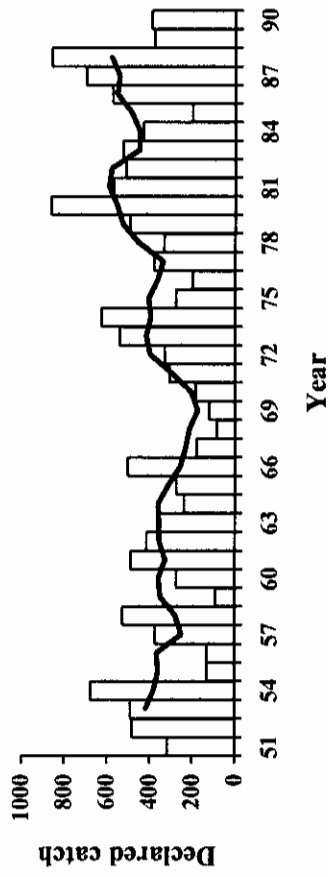


Figure 10.4 Declared net catch of salmon for the River Ribble

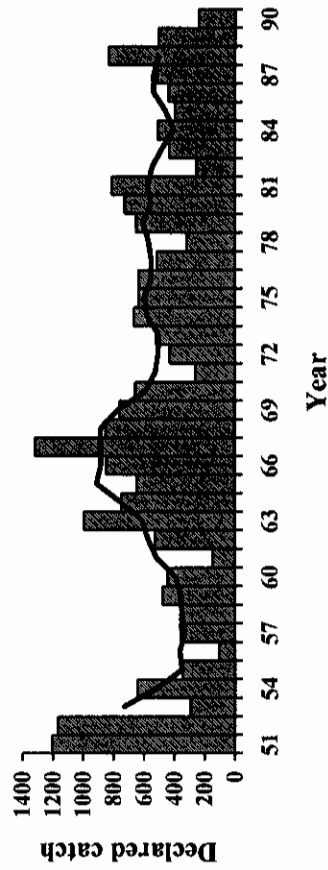


Figure 10.5 Declared net catch of migratory trout for the River Ribble

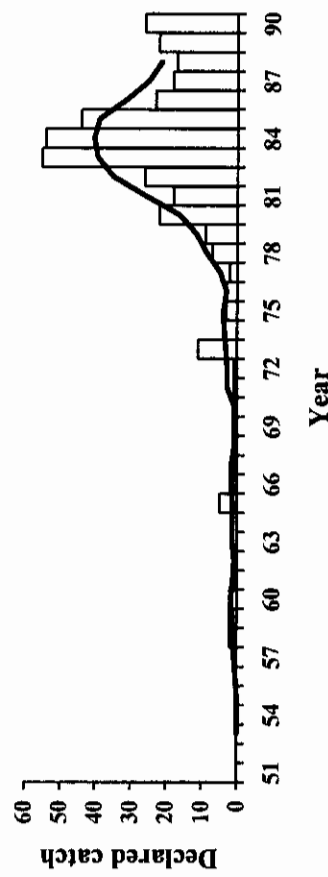


Figure 10.6 Declared rod catch of salmon for the River Wyre

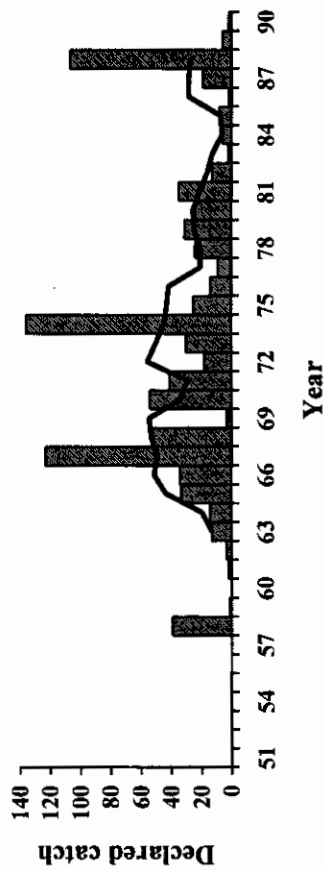


Figure 10.7 Declared rod catch of migratory trout for the River Wyre

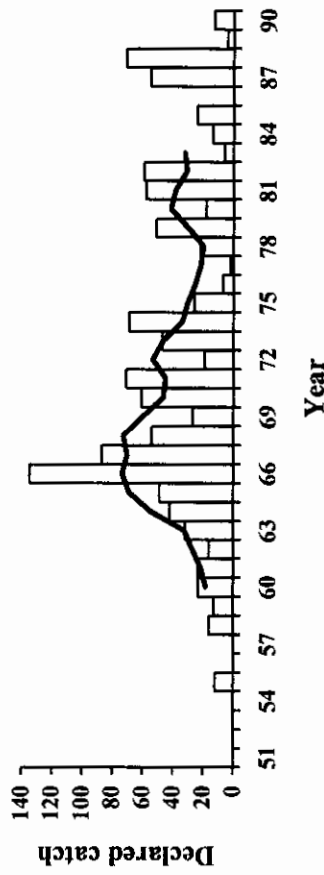


Figure 10.8 Declared rod catch of salmon for the River Lune

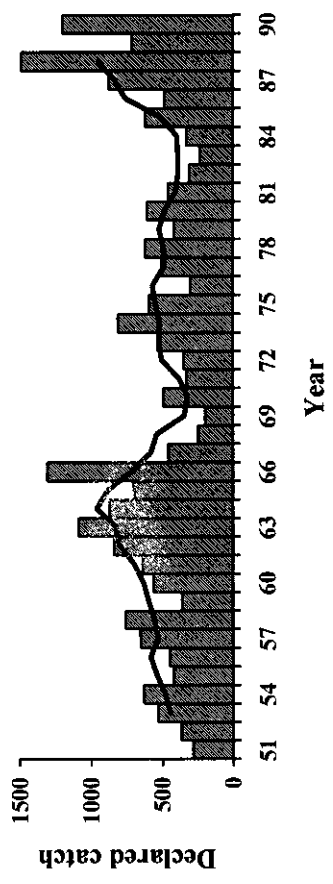


Figure 10.9 Declared rod catch of migratory trout for the River Lune

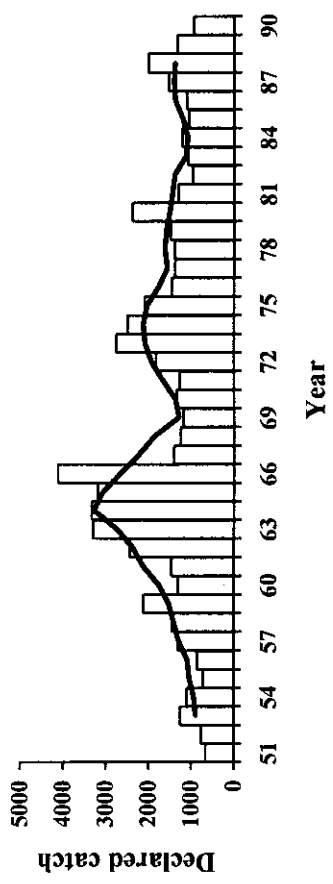


Figure 10.10 Declared net and fixed engine catch of salmon for the River Lune

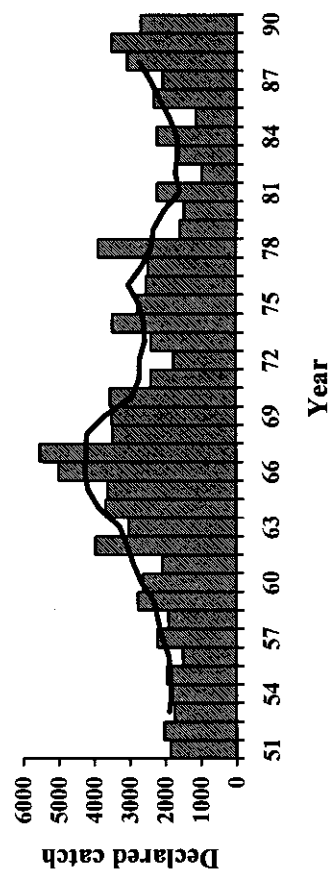


Figure 10.11 Declared net and fixed engine catch of migratory trout for the River Lune

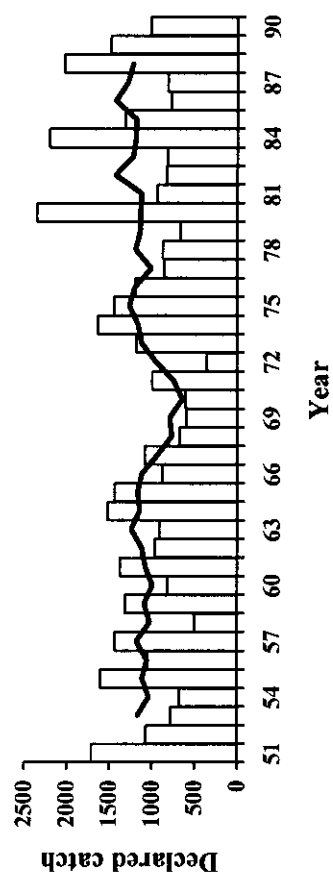


Figure 10.12 Declared rod catch of salmon for the River Kent

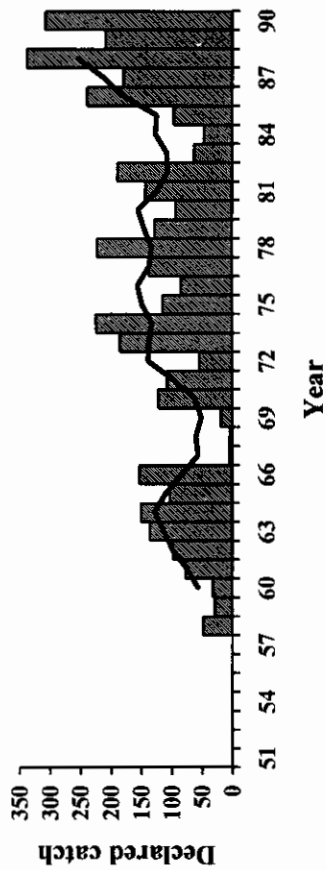


Figure 10.13 Declared rod catch of migratory trout for the River Kent

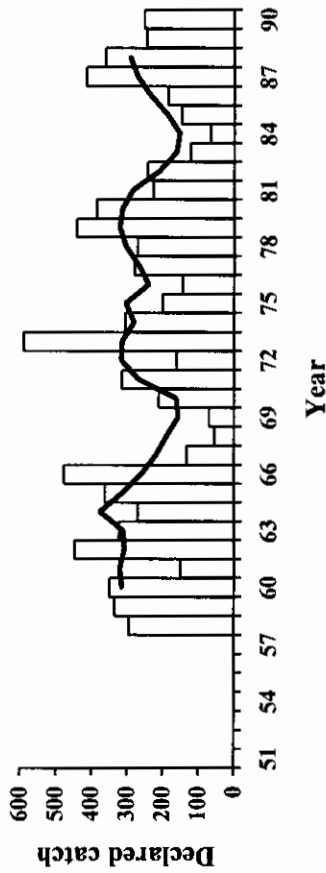


Figure 10.14 Declared net catch of salmon for the River Kent

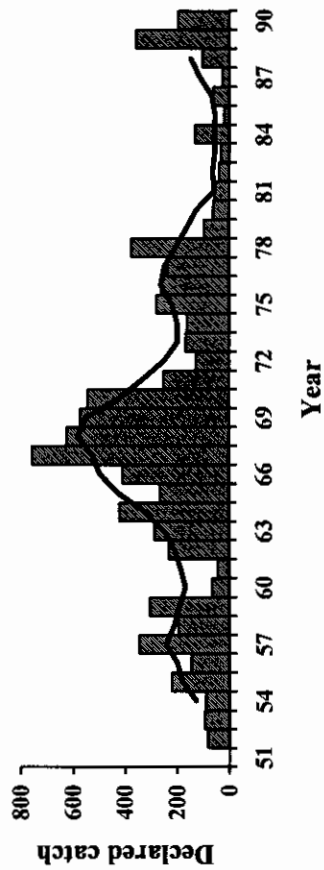


Figure 10.15 Declared net catch of migratory trout for the River Kent

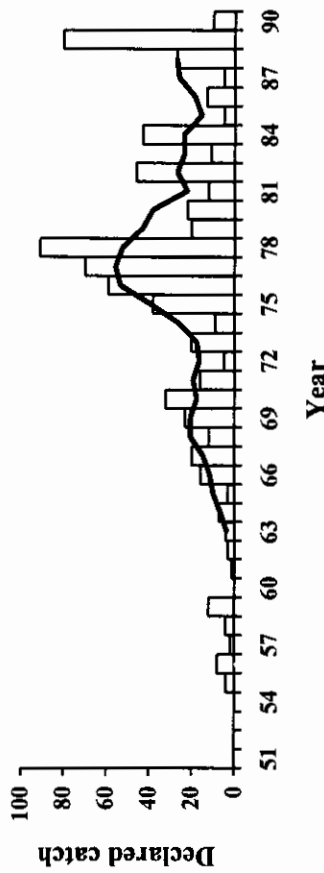


Figure 10.16 Declared rod catch of salmon for the River Leven

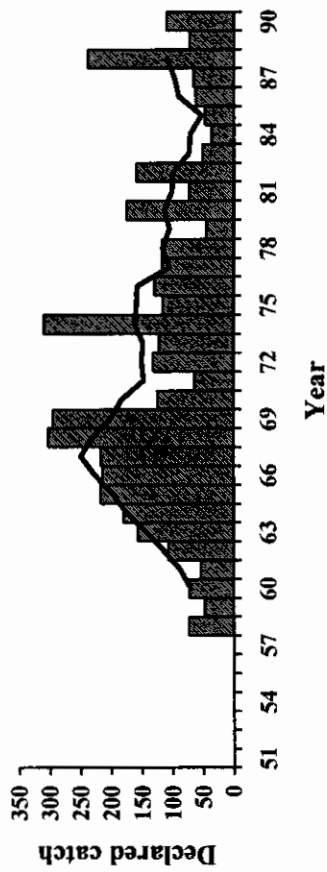


Figure 10.17 Declared rod catch of migratory trout for the River Leven

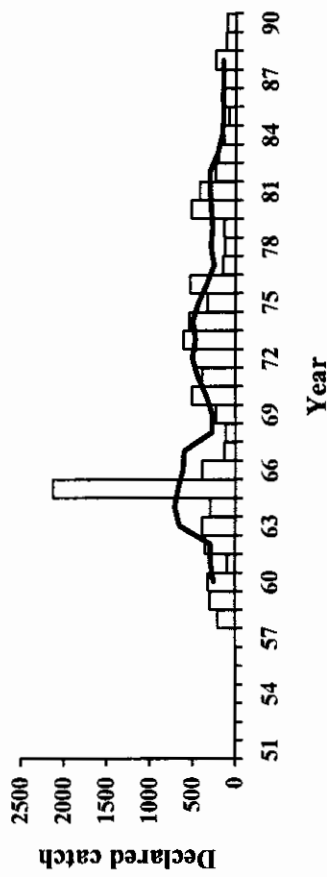


Figure 10.18 Declared net catch of salmon for the River Leven

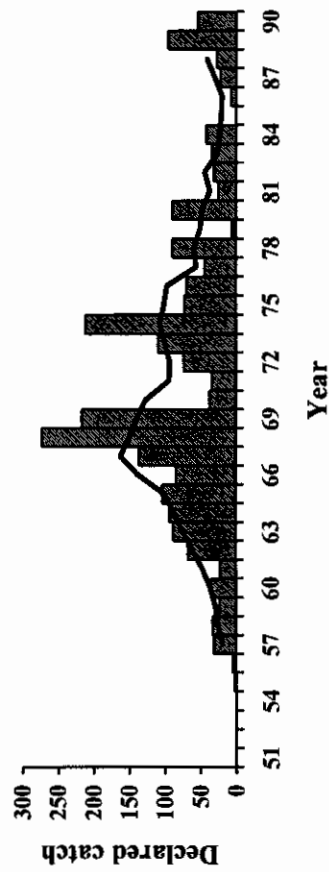


Figure 10.19 Declared net catch of migratory trout for the River Leven

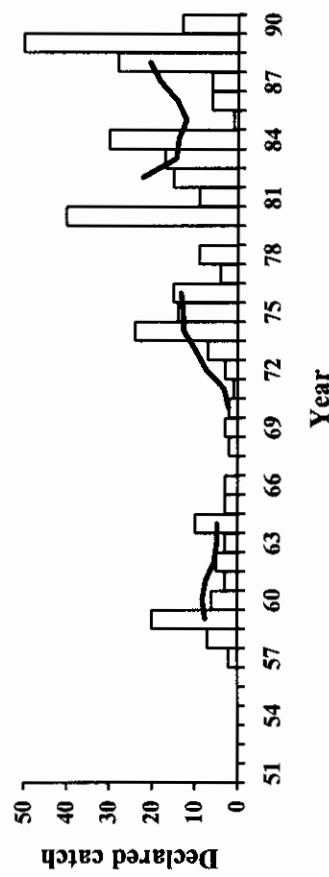


Figure 10.20 Declared rod catch of salmon for the River Duddon

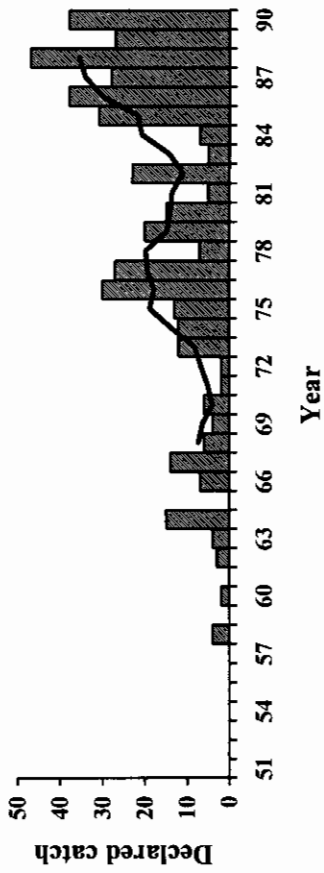


Figure 10.21 Declared rod catch of migratory trout for the River Duddon

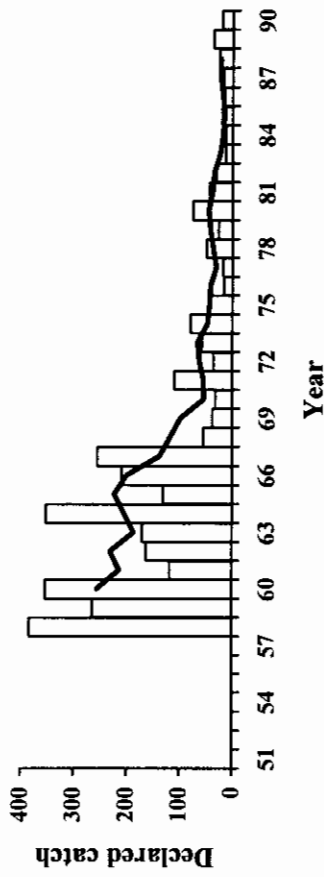


Figure 10.22 Declared net catch of salmon for the River Duddon

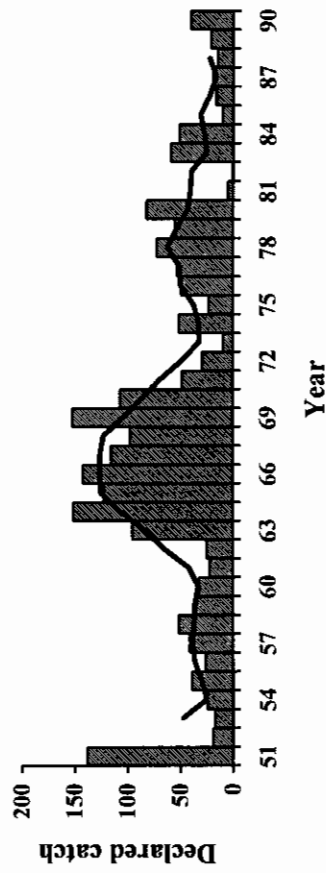


Figure 10.23 Declared net catch of migratory trout for the River Duddon

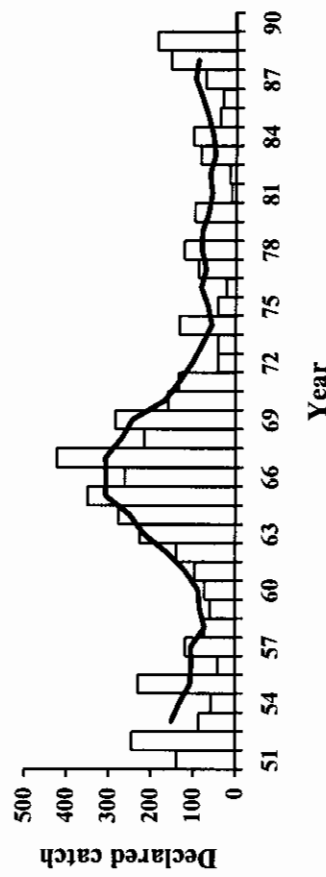


Figure 10.24 Declared rod catch of salmon for the South and West Cumbrian area

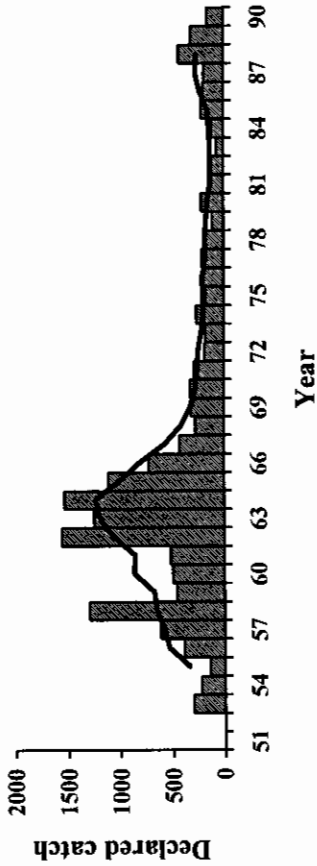


Figure 10.25 Declared rod catch of migratory trout for the South and West Cumbrian area

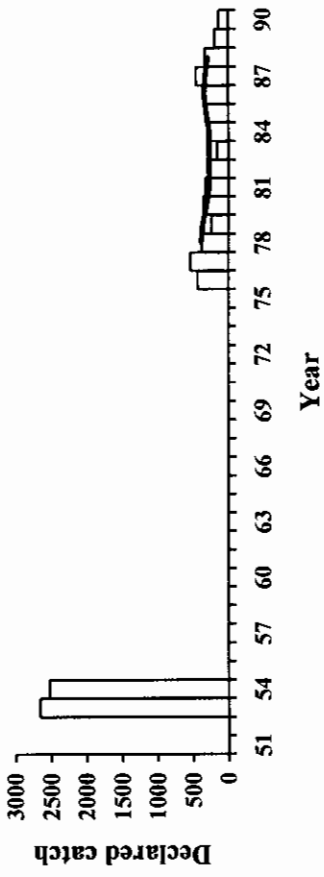
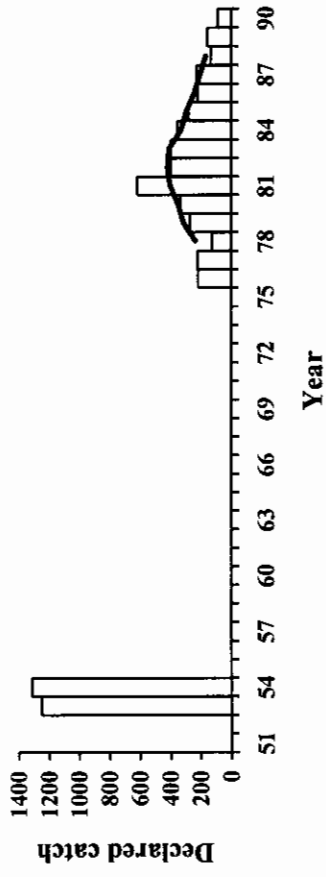


Figure 10.26 Declared rod catch of salmon for the River Derwent



Figure 10.27 Declared rod catch of migratory trout for the River Derwent



Note: Figures 10.24 and 10.25 include data for the rivers Annas, Esk, Irt, Calder and Ehen.

Figure 10.28 Declared net catch of salmon for the Cumbrian coastal area

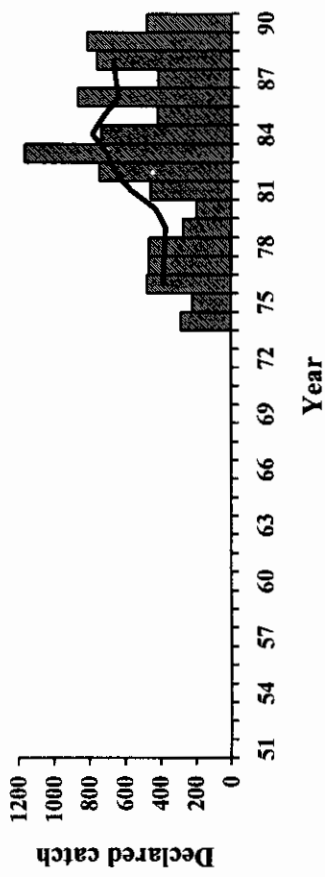


Figure 10.29 Declared net and fixed engine catch of salmon for the South and West Cumbrian area

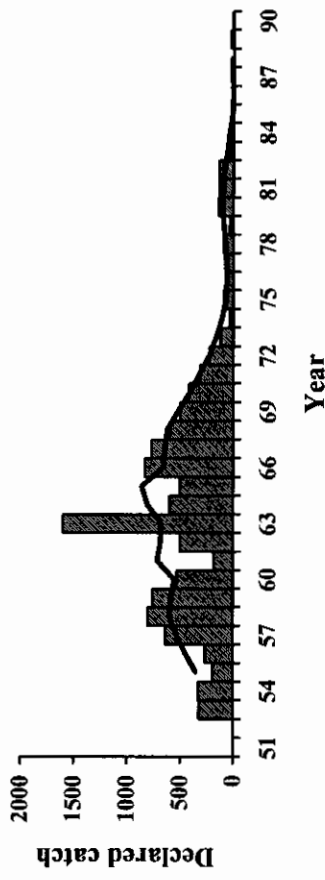


Figure 10.30 Declared rod catch of salmon for the River Ellen

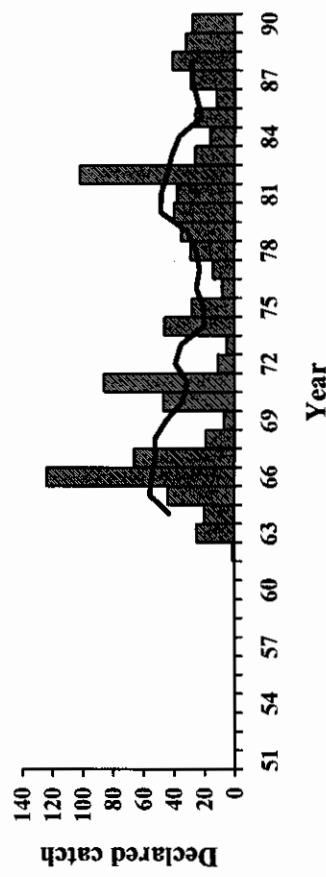


Figure 10.31 Declared rod catch of migratory trout for the River Ellen

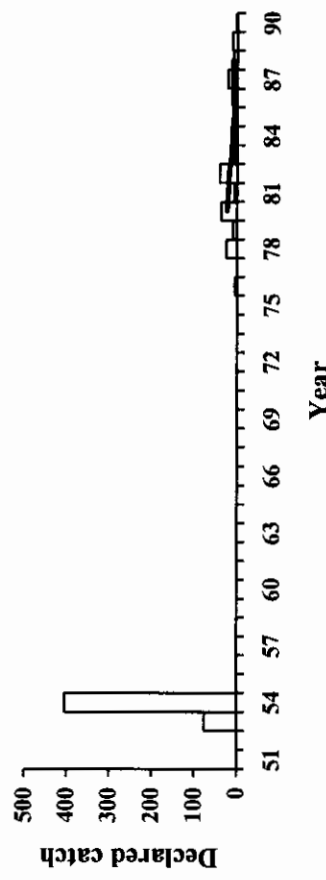


Figure 10.32 Declared rod catch of salmon for the River Eden

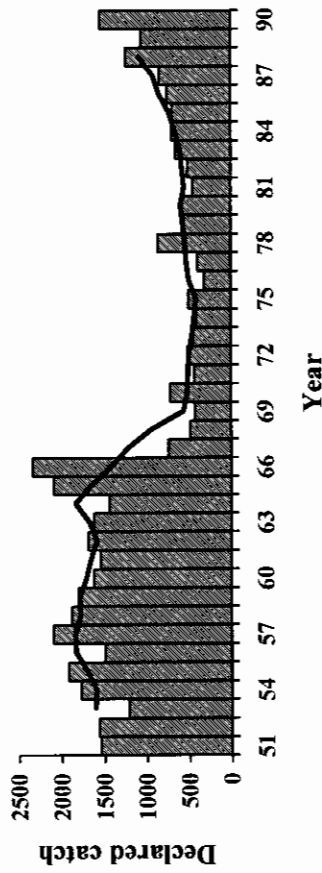


Figure 10.33 Declared rod catch of migratory trout for the River Eden

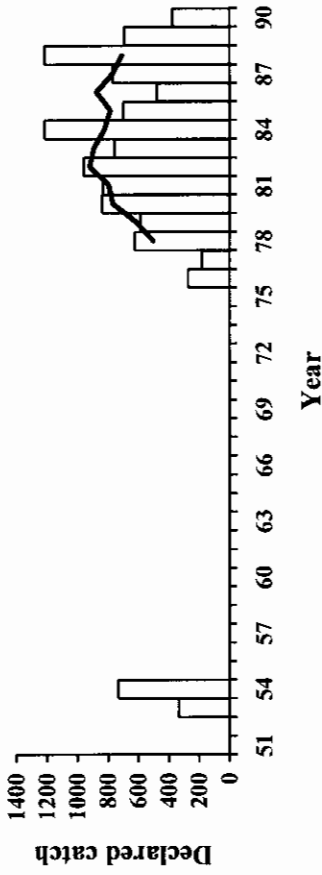


Figure 10.34 Declared rod catch of salmon for the River Esk (Border)

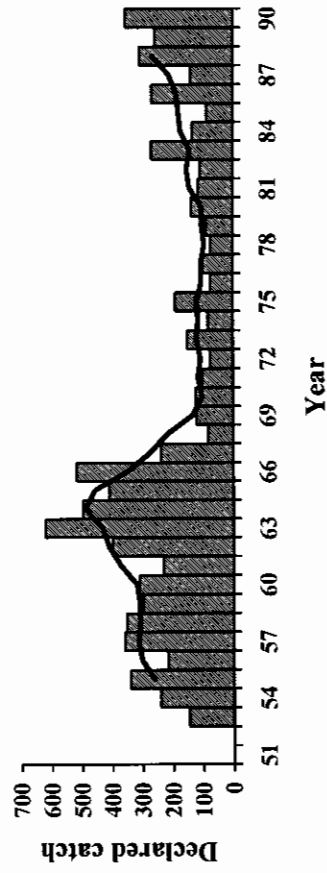


Figure 10.35 Declared rod catch of migratory trout for the River Esk (Border)

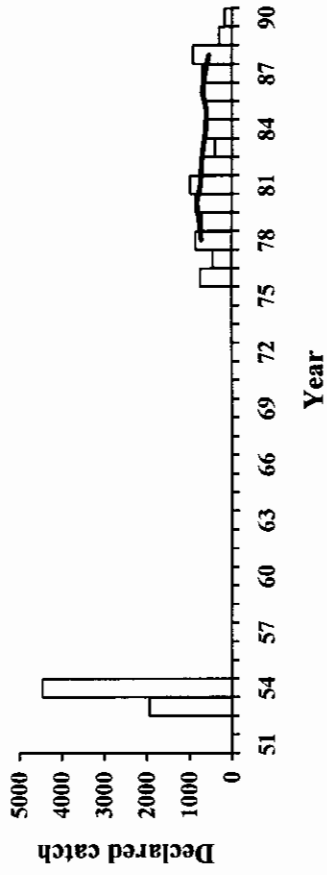


Figure 10.36 Declared net and fixed engine catch of salmon for the Rivers Eden and Esk

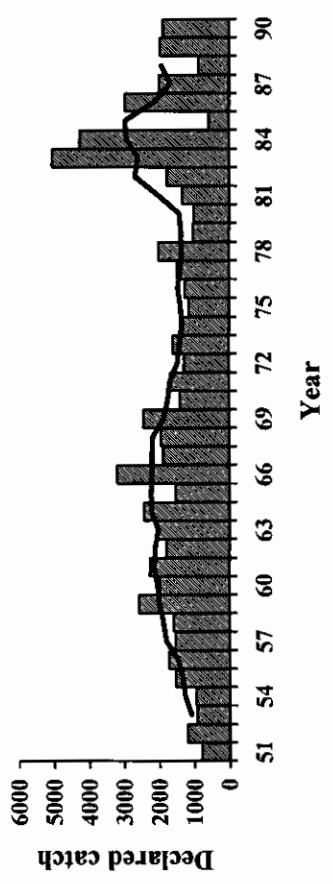
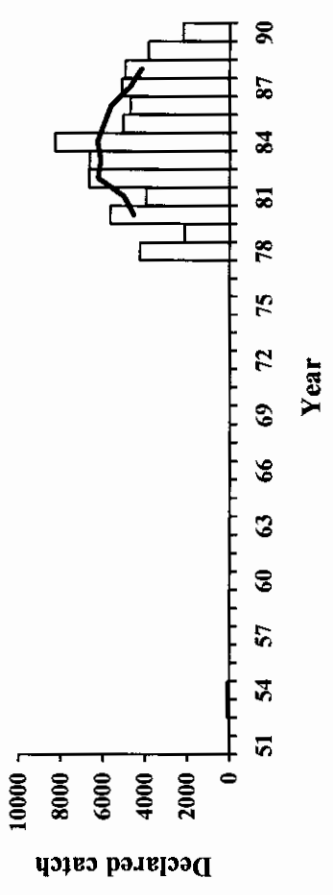
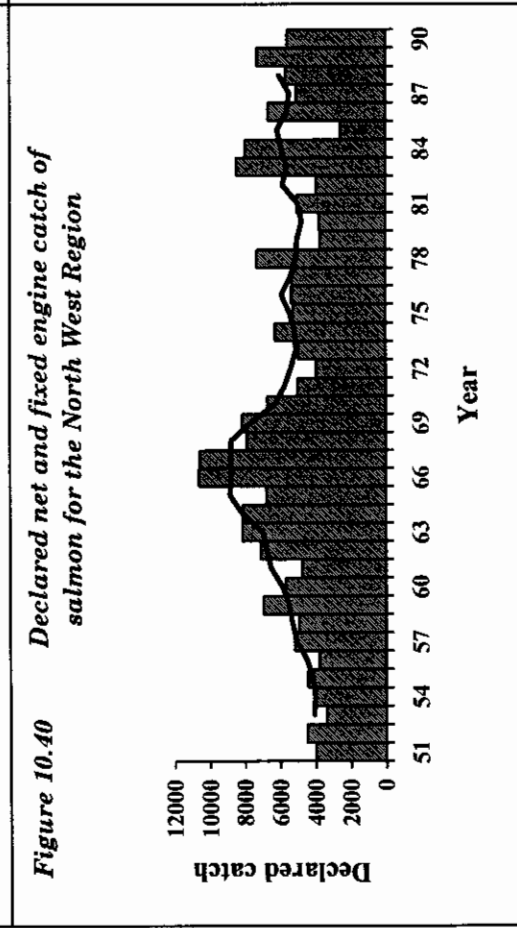
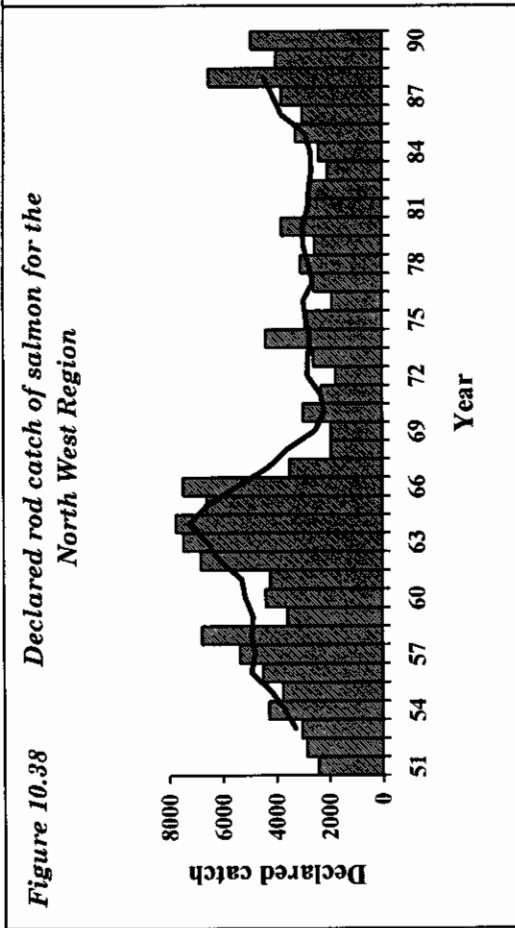
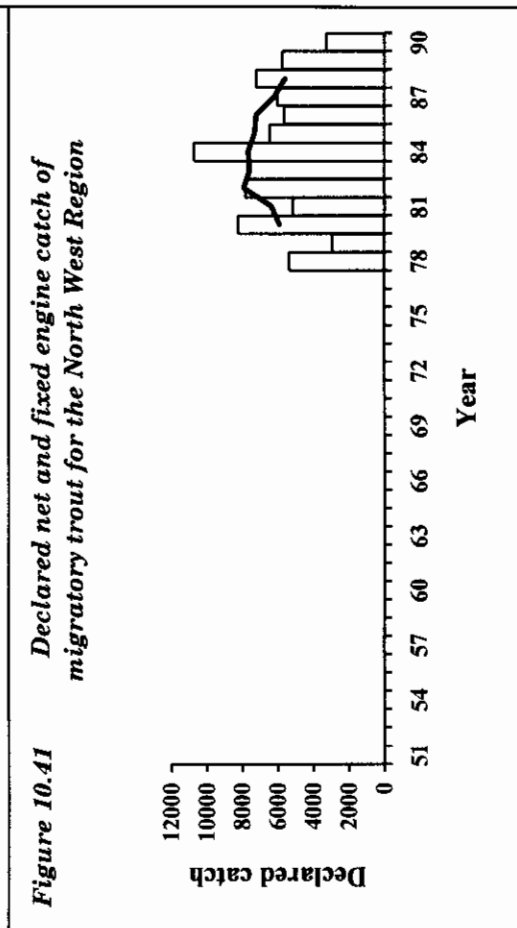
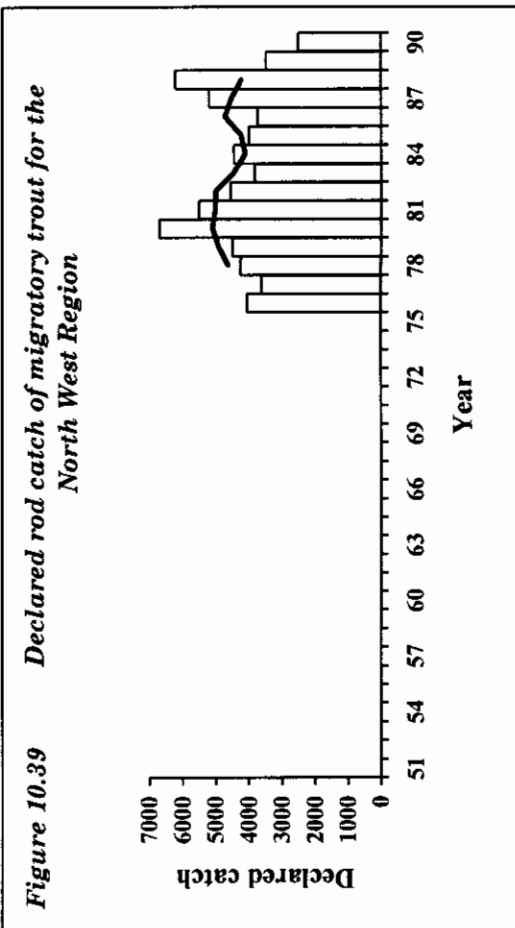


Figure 10.37 Declared net and fixed engine catch of migratory trout for the Rivers Eden and Esk





11. NATIONAL TOTALS

The absence of regional totals in many years during the review period has invalidated the collation of national totals of salmon and sea trout catches for England and Wales for these years. Weight data for rod fisheries could not be collated prior to 1984; similarly, for net fisheries weight totals could not be derived before 1974 for salmon and before 1978 for sea trout. Salmon catch data were generally much more complete than those for sea trout, and national totals have been collated since 1952 for rods and since 1956 for nets and fixed engines. For sea trout, national totals could first be collated in 1976 for rods and in 1978 for nets and fixed engines.

The national totals are presented in Table 11.1 and in Figures 11.1 to 11.6.

Table 11.1 Total catches of salmon and migratory trout for England and Wales, 1951-90

YEAR	ROD CATCH			NET & FIXED ENGINE CATCH			TOTAL CATCH				
	SALMON NO	WEIGHT (LBS)	MIGRATORY TROUT NO	LIC	SALMON NO	WEIGHT (LBS)	MIGRATORY TROUT NO	SALMON NO	WEIGHT (LBS)	MIGRATORY TROUT NO	WEIGHT (LBS)
1951	-	-	-	-	-	-	-	-	-	-	-
1952	14,677	-	-	-	-	-	-	-	-	-	-
1953	13,861	-	-	-	-	-	-	-	-	-	-
1954	22,936	-	-	-	-	-	-	-	-	-	-
1955	20,183	-	-	-	-	-	-	-	-	-	-
1956	19,955	-	-	-	36,225	-	-	56,180	-	-	-
1957	21,090	-	-	-	36,591	-	-	57,681	-	-	-
1958	26,209	-	-	-	34,075	-	-	60,284	-	-	-
1959	17,440	-	-	-	40,302	-	-	57,742	-	-	-
1960	20,873	-	-	-	43,648	-	-	64,521	-	-	-
1961	16,138	-	-	-	34,334	-	-	50,472	-	-	-
1962	24,743	-	-	-	53,559	-	-	78,302	-	-	-
1963	30,145	-	-	903	45,290	-	-	75,435	-	-	-
1964	25,034	-	-	971	47,947	-	-	72,981	-	-	-
1965	28,594	-	-	962	45,161	-	-	73,755	-	-	-
1966	35,353	-	-	955	53,970	-	-	89,323	-	-	-
1967	29,735	-	-	977	64,593	-	-	94,328	-	-	-
1968	16,860	-	-	979	49,380	-	-	66,240	-	-	-
1969	16,306	-	-	938	79,624	-	-	95,930	-	-	-
1970	19,180	-	-	998	125,244	-	-	144,424	-	-	-
1971	19,869	-	-	1,155	89,992	-	-	109,861	-	-	-
1972	24,889	-	-	1,068	83,185	-	-	108,074	-	-	-
1973	21,020	-	-	1,080	93,766	-	-	114,786	-	-	-
1974	24,197	-	-	1,061	80,128	624,021	-	104,325	-	-	-
1975	24,300	-	-	1,051	88,762	749,901	-	113,062	-	-	-
1976	10,779	-	21,175	1,081	43,515	351,472	-	54,294	-	-	-
1977	19,219	-	26,800	1,089	75,063	578,281	-	94,282	-	-	-
1978	17,605	-	30,966	1,060	75,520	627,423	55,300	93,125	86,266	-	-
1979	14,108	-	47,462	977	61,278	472,767	67,667	75,386	115,129	-	-
1980	21,145	-	40,668	1,008	69,073	588,405	97,206	90,218	137,874	-	-
1981	22,190	-	45,152	1,013	98,849	858,920	83,333	121,039	128,485	-	-
1982	13,524	-	38,730	1,004	66,765	504,922	79,353	80,289	118,083	-	-
1983	14,815	-	39,157	993	102,180	806,470	84,511	116,995	123,668	-	-
1984	11,022	101,075	30,560	990	83,249	658,910	95,699	94,271	759,985	430,639	-
1985	19,601	180,343	32,379	1,026	75,932	615,896	68,130	95,533	796,239	100,509	347,143
1986	20,347	191,458	36,882	1,016	90,447	756,394	62,452	110,794	947,852	99,334	323,984
1987	19,702	175,547	55,863	983	63,728	489,185	69,556	83,430	664,732	125,419	349,943
1988	32,876	272,519	49,618	908	77,317	597,748	73,184	110,193	870,267	122,802	383,172
1989	14,721	124,779	22,910	923	68,940	527,585	91,487	83,661	652,364	114,397	448,681
1990	14,849	132,888	17,031	933	71,827	612,548	56,194	86,676	745,436	73,225	304,019

Note: The absence of catch data for some regions has precluded the collation of national totals in many years.

Figure 11.1 Declared rod catch of salmon for England and Wales

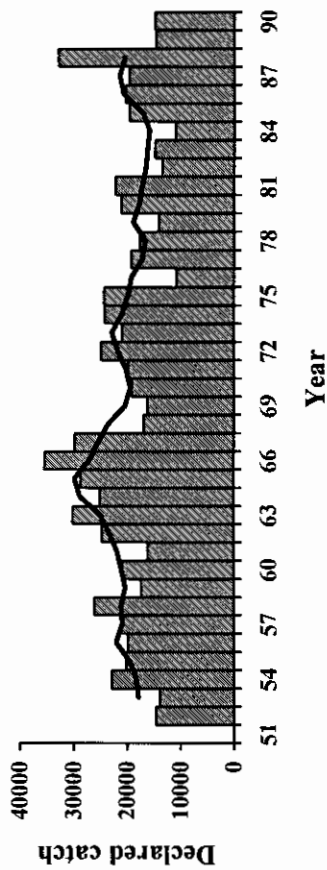


Figure 11.2 Declared rod catch of migratory trout for England and Wales

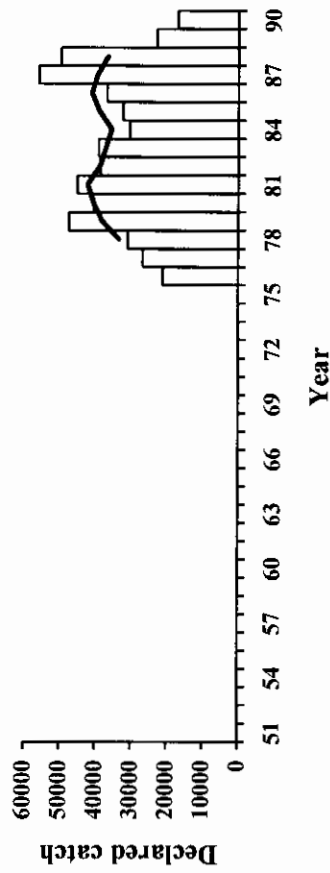


Figure 11.3 Declared net and fixed engine catch of salmon for England and Wales

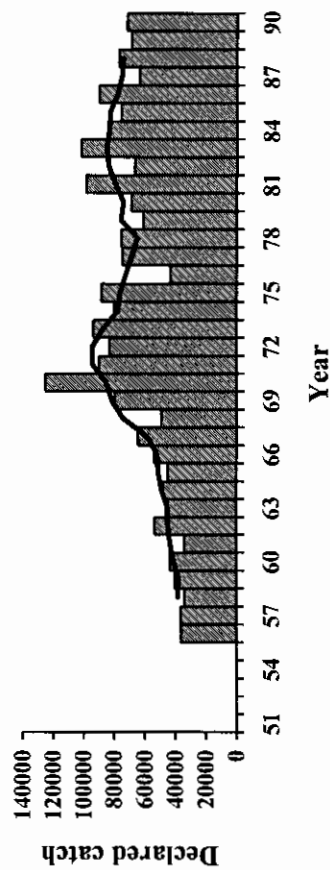


Figure 11.4 Declared net and fixed engine catch of migratory trout for England and Wales

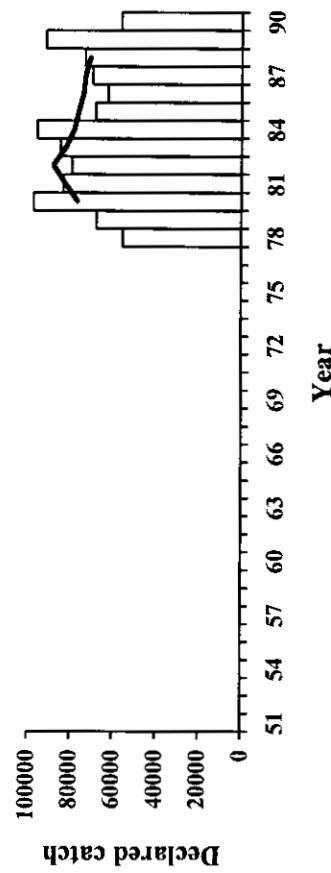


Figure 11.5 *Total declared catch of salmon for England and Wales*

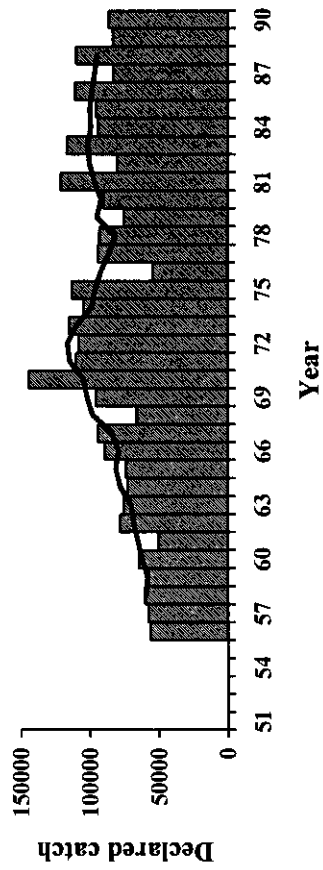
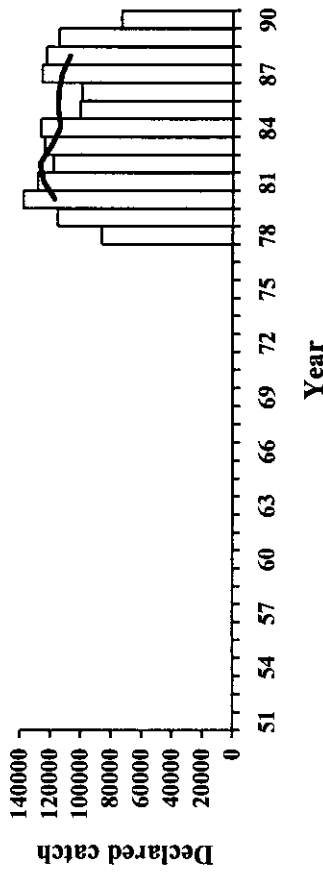


Figure 11.6 *Total declared catch of migratory trout for England and Wales*



12. REFERENCES

- ANON., 1991. Salmon Net Fisheries: Report of a review of salmon net fishing in the areas of the Yorkshire and Northumbria regions of the National Rivers Authority and the salmon fishery districts from the River Tweed to the River Ugie. HMSO, London, 224pp.
- ASSOCIATION OF RIVER BOARDS, Year Books for 1951 to 1964.
- ASSOCIATION OF RIVER AUTHORITIES, Year Books for 1965 to 1973.
- ASSOCIATION OF RIVER AUTHORITIES, 1974. Taking Stock, 48pp.
- DEPARTMENT OF AGRICULTURE AND FISHERIES FOR SCOTLAND, 1984. Scottish Salmon Catch Statistics 1952-81. 2 volumes, (140pp and 82pp).
- DEPARTMENT OF AGRICULTURE AND FISHERIES STATISTICAL BULLETIN, 1984. Scottish Salmon and Sea Trout Catches: 1982, 9pp.
- DEPARTMENT OF AGRICULTURE AND FISHERIES STATISTICAL BULLETIN, 1985. Scottish Salmon and Sea Trout Catches: 1983, 13pp.
- DEPARTMENT OF AGRICULTURE AND FISHERIES STATISTICAL BULLETIN, 1985. Scottish Salmon and Sea Trout Catches: 1984, 14pp.
- DEPARTMENT OF AGRICULTURE AND FISHERIES STATISTICAL BULLETIN, 1986. Scottish Salmon and Sea Trout Catches: 1985, 13pp.
- DEPARTMENT OF AGRICULTURE AND FISHERIES STATISTICAL BULLETIN, 1987. Scottish Salmon and Sea Trout Catches: 1986, 13pp.
- DEPARTMENT OF AGRICULTURE AND FISHERIES STATISTICAL BULLETIN, 1988. Scottish Salmon and Sea Trout Catches, 1987, 15pp.
- DEPARTMENT OF AGRICULTURE AND FISHERIES STATISTICAL BULLETIN, 1989. Scottish Salmon and Sea Trout Catches: 1988, 15pp.
- DEPARTMENT OF AGRICULTURE AND FISHERIES STATISTICAL BULLETIN, 1990. Scottish Salmon and Sea Trout Catches: 1989, 15pp.
- DEPARTMENT OF THE ENVIRONMENT, Water Data Series (1974 to 1979). HMSO, London.
- DEPARTMENT OF THE ENVIRONMENT, Digest of Environmental Pollution and Water Statistics (1980 to 1982), HMSO, London.
- HARRIS, G. S., 1986. The status of exploitation of salmon in England and Wales. 3rd Int. Atlantic Salmon Symposium, Biarritz.
- NATIONAL RIVERS AUTHORITY, 1992. Salmonid and Freshwater Fisheries Statistics for England and Wales, 1990, 30pp.
- NATIONAL RIVERS AUTHORITY, 1993. Salmonid and Freshwater Fisheries Statistics for England and Wales, 1991, 28pp.

- NATIONAL RIVERS AUTHORITY, 1994. Salmonid and Freshwater Fisheries Statistics for England and Wales, 1992, 51pp.
- NATIONAL RIVERS AUTHORITY, 1994. Salmonid and Freshwater Fisheries Statistics for England and Wales, 1993, 58pp.
- NATIONAL WATER COUNCIL, 1982. Fisheries Statistics, 1981. National Water Council, 1 Queen Anne's Gate, London SW1H 9BT, 12pp.
- NORTHUMBRIAN WATER, 1983. Fisheries Statistics for the season 1982, 14pp.
- RUSSELL, I. C. AND POTTER, E. C. E., 1985. Salmon and migratory trout fisheries statistics for England and Wales, 1983. Fish. Res. Data Rep., MAFF Direct. Fish. Res., Lowestoft, **5**: 16pp.
- RUSSELL, I. C., POTTER, E. C. E. AND DUCKETT, L., 1985. Salmon and migratory trout fisheries statistics for England and Wales, 1984. Fish. Res. Data Rep., MAFF Direct. Fish. Res., Lowestoft, **7**: 16pp.
- RUSSELL, I. C., DUCKETT, L. AND POTTER E. C. E., 1986, Salmon and migratory trout fisheries statistics for England and Wales, 1985. Fish. Res. Data Rep., MAFF Direct. Fish. Res., Lowestoft, **9**: 18pp.
- RUSSELL, I. C. AND DUCKETT, L., 1988. Salmon and migratory trout fisheries statistics for England and Wales, 1986. Fish. Res. Data Rep., MAFF Direct. Fish. Res., Lowestoft, **12**: 18pp.
- RUSSELL, I. C. AND BUCKLEY, A. A., 1989. 'Salmonid and freshwater fisheries statistics for England and Wales, 1987. Fish. Res. Data Rep., MAFF Direct. Fish. Res., Lowestoft, **16**: 28pp.
- RUSSELL, I. C. AND BUCKLEY, A. A., 1989. Salmonid and freshwater fisheries statistics for England and Wales, 1988. Fish. Res. Data Rep., MAFF Direct. Fish. Res., Lowestoft, **21**, 29pp.
- RUSSELL, I. C. AND BUCKLEY, A.A., 1991. Fisheries Statistics 1989 – Salmonid and freshwater fisheries statistics for England and Wales, 1989. National Rivers Authority Report, 29pp.
- SCOTTISH OFFICE STATISTICAL BULLETIN, FISHERIES SERIES, 1991. Scottish Salmon and Sea Trout Catches: 1990, 15pp.
- SCOTTISH OFFICE STATISTICAL BULLETIN, FISHERIES SERIES, 1992. Scottish Salmon and Sea Trout Catches: 1991, 15pp.
- SCOTTISH OFFICE STATISTICAL BULLETIN, FISHERIES SERIES, 1993. Scottish Salmon and Sea Trout Catches: 1992, 15pp.
- SCOTTISH OFFICE STATISTICAL BULLETIN, FISHERIES SERIES, 1994. Scottish Salmon and Sea Trout Catches: 1993, 15pp.
- WESSEX WATER, 1986. Investigation into the alleged decline of migratory salmonids - Final Report. 40pp.
- WELSH WATER, 1981. Review of commercial fishing - for salmon and sea trout. 2 volumes (157pp and 104pp).

APPENDIX 1. Glossary of fishing methods (nets and fixed engines) used for taking salmon and migratory trout in England and Wales over the review period

A wide variety of nets and fixed engines have been used to take salmon and sea trout during this review period. The term fixed engine is an ancient one used to describe a variety of stationary fishing gears which are used for taking salmon and sea trout. Their use today is regulated by provisions of the Salmon and Freshwater Fisheries Act, 1975. Some fixed engines operate under certificates of privilege (in pursuance of the Salmon Fishery Act, 1865), while others are permitted by virtue of ancient grants, charters, or immemorial usage (such fixed engines having been lawfully used during the open season of 1861 under such provisions). Two other fixed gears, recognised independently from fixed engines under the 1975 Act, have been used for taking salmon and sea trout in the past, these are fishing mill dams and fishing weirs. Neither of the latter gears are in use at the current time, although fishing weirs have operated during the review period.

Most nets and fixed engines used for taking salmon and sea trout in England and Wales are located in waters where fishing is an ancient public right. However, a relatively small number of private fisheries also exist. Fishing is undertaken under the terms of a licence issued by the regional fishery authority. While generalised gear descriptions are given below, in practice there is considerable regional variation in the precise mode of operation of specific gears and in the dimensions and mesh sizes of the nets. These criteria have generally evolved to suit local conditions and are regulated by local byelaws.

Descriptions of the gears used during the period, together with their mode of operation, are given below in alphabetical order:

Basket trap: This is a type of fixed engine which is only used on the River Conwy in North Wales. It consists of a metal basket set between two boulders, which is designed to catch salmon and sea trout which fall back when attempting to ascend a small waterfall. (See also fishing weirs below)

Bow net: A local name for a dip or lave net (see below) used only on the River Trent but not fished during the review period for salmon or sea trout.

Click net: A local name for dip or lave nets (see below). Applies only to nets used on the Yorkshire Ouse up to 1957.

Coastal net: A loose term used to describe the nets used in the fishery off the East Anglian coast. In practice, various methods of fishing have been employed, including seine nets, drift nets and nets pulled along the coast close to the shore (similar in operation to the South West Wales wade nets) and known locally as long-shoring. The only restriction on these coastal nets is that the mesh dimensions are not less than 3 cm knot-to-knot (12 cm measured round each mesh).

Compass net: These nets are used on the estuary of the rivers East and West Cleddau (Daucleddau), and on the River Severn, where they are called stop nets (see below). They are operated from boats held stationary against the current. A net is hung between two long poles lashed together in a V-shape and held over the side of the boat so that the net streams out underneath the boat. When a fish strikes the net, the poles are pivoted upwards with the aid of counter-balancing weights.

Although these gears are stationary, they are not regarded as fixed engines as the nets are operated by hand. However, some stop nets operate under certificates of privilege (as some fixed engines) issued in 1866.

Coop: see Crib.

Coracle net: These nets are only used in parts of Wales. Short lengths of trammel net are suspended between two coracles, which then drift downstream with the net strung across the current. Fish striking the net are caught in a similar manner to those caught in a trammel net (see below).

Crib (or Coop): These ancient fixed engines have been used widely in Ireland, but their use in England and Wales during the review period has been restricted to the rivers Eden and Derwent in Cumbria. They consist of stone buttresses set across a river, the gaps between the buttresses being filled by box-like, in-scale traps made of either wood or metal. Fish moving upstream are guided through the in-scale (a gap of about 9 inches) but have difficulty in relocating this opening and escaping, and can subsequently be removed with a hand-net. The retaining framework of the crib is spaced such that smaller fish (up to about 4 lbs) can escape readily. The river Eden cribs were built in 1133 A.D. by monks, although the Derwent cribs are of more recent construction.

Dip net: see lave net.

Draft net: Alternative regional name for the seine net (see below).

Draw net: Alternative regional name for the seine net (see below).

Drift net: Drift nets have been used in the Northumbria, Yorkshire, Anglian, South West, Welsh and North West regions during the review period. This is a net of ancient design, which is fished on the surface and enmeshes fish which swim into it. The net is shot from a boat; one end is commonly attached to a floating buoy or staff, the other to the gunwale of the boat. The net itself consists of a sheet of netting which hangs from a floated head rope to a weighted foot rope. Traditional nets were made of hemp, cotton or flax, but more recently these natural yarns have been replaced by synthetic yarns such as 'nylon' or 'coulene'. These new yarns are lighter, stronger and more durable than the traditional yarns they replaced, and have resulted in both improved gear efficiency and the ability to fish successfully during daylight (previously largely impractical, except in turbid water, due to the visibility of the net in the water). The use of monofilament nylon has subsequently been prohibited in many regions of England and Wales.

The permitted length, mesh size and place and method of use for drift nets differ between regions and are prescribed by byelaw. Regional names include hang, whammel and sling nets.

Fishing baulk: This gear is another ancient fixed engine which has been used in the North West region only. It consists of two large, woven (traditionally wattle) fences supported on wooden stakes which are constructed in an estuary in the form of a right-angle. At the intersection of the two fences, a small hinged section of woven fence is situated which can rise and fall with the tide. As the tide inundates the structure fish are able to move in via the hinged section, but as the tide ebbs and the water recedes, the fish are left stranded.

A number of fishing baulks operated around the River Lune estuary in the early part of the review period, but only one is currently operative and this is situated on the River Esk at Ravenglass. The latter gear is known locally as a garth.

Fish trap: A number of authorised fish traps have operated in England and Wales over the review period, but usually with specific objectives to take fish for propagation purposes or to monitor runs of fish. Only one fish trap has operated as a licenced fixed engine for the purpose of taking salmon and migratory trout; this is the trap on the River Lyn in the South West region. The Lyn trap is similar in construction to the fishing baulk, consisting of a woven brushwood fence set in an L-shape and measuring some 165 feet by 140 feet. Fish enter the structure on the flood tide, when the fence is over-topped, and are stranded on the ebb tide. The trap can be rendered inoperative by opening a gate at the downstream extent of the structure, thus enabling free passage of fish during close seasons and weekly close times.

Fishing weir: This fishing method relies upon the presence of an obstruction across a river channel, either natural or man-made, which hinders the passage of migratory salmonids moving upstream. When trying to ascend these obstructions fish often fall back, and the fishing weir relies on capturing fish at this time, usually in a basket or net supported below the obstruction.

During the review period, fishing weirs have operated on the River Avon in Devon and the Conwy in North Wales (see basket trap). However, no fishing weirs are currently operative.

As with many fixed engines, fishing weirs may only be operated where they were lawfully in use on 6 August 1861 by virtue of grant, charter or immemorial usage.

Garth: The local name for the fishing baulk on the Cumbrian Esk at Ravenglass (see above).

Haaf net: These one-man-operated nets, also known as heave nets, are operated exclusively in the North West region. The gear consists of a rectangular net hung from a horizontal wooden beam up to 5.5 m wide and supported by three 'legs' formed by the centre pole (which the netsman holds) and two side arms at each end. The central pole permits the netsmen to stand in the tideway holding the net facing the current with the netting streaming behind him. The net is lifted when a fish strikes it. It is usual for several netsmen to work together line-abreast, with the fisherman in the deepest part of the tideway transferring to the other end of the row as the tide rises on the flood, and vice versa on the ebb. Draws are made to allocate favoured positions.

In practice, ebb tides are more commonly fished than the flood. Periods of fishing are also heavily dependent upon climatic conditions, tides and the physical endurance of the individual.

Hang net: A regional name for the drift net (see above).

Heave net: Another name for the haaf net (see above).

J-net (or P-net): The name sometimes used for the method of operating a drift net as a semi-fixed beach net, the nets being weighted to retard their drift. Set at right-angles to the beach, often with the end furthest from the shore turned back to form a hook.

Keddle net: Fixed stake nets used around the Rye Bay area in the Southern region. At one time, such nets were believed to have been licenced for the capture of salmon and sea trout, but this has not applied during the review period.

Lave net: Otherwise commonly known as the dip net. A variety of regional terms to describe similar hand-held, one-man-operated nets have been used on the Trent, these include stand, bow, click and topping nets.

Lave type nets have been used throughout the review period in the Wessex, Severn, Welsh and North West regions. They consist of a large Y-shaped wooden frame supporting a net, similar in design to an anglers landing net, but measuring up to 2 m across. The netsman actively stalks fish in estuary pools or shallows at low tide.

P-net: see J-net

Putts and Putchers: Putts and putchers are wickerwork conical baskets which, when erected on stages, form putcher ranks. This type of fixed engine is peculiar to the Bristol Channel and is dependent upon the high turbidity and large tidal range which occurs in this area. Each putcher has a mouth from 3 to 5 feet wide, tapering to a narrow point which will prevent fish of moderate size from passing through. Putchers were traditionally made of wooden struts spaced some two inches apart, however, many are now made from plastic-coated steel wire. Putts are larger and more closely woven conical baskets, which are less efficient for catching salmon, but will take smaller fish, shrimps and eels. A large number (up to 800) of putchers are normally mounted in any one rank, with the open end of the cones facing the flow. Relatively few putts are used. A netting leader is often used also. Putcher ranks are commonly set to fish the ebb tide, but can be set to fish the flood. A few ranks fish both flood and ebb tides. Fish swimming in the turbid water enter the baskets and become trapped as the tide falls.

Seine net: The seine net is the netting method most widely used for taking salmon and sea trout in England and Wales. The net consists of a wall of netting with weighted foot rope and floated head rope. One end is held on the shore while the rest is paid out from a boat to enclose an area of water between two points on the shore. The net is then retrieved and any fish enclosed drawn up onto the shore.

The length, depth and mesh size of nets used vary and are specified by local byelaw. Nets are normally shot and retrieved without delay and are not allowed to span the entire width of the channel. However, in some cases nets can be held 'open' for a prescribed period before being retrieved. The precise method of operation has evolved according to local custom and is normally prescribed by byelaw. Nets are commonly fished by 2 or 3 men.

Seine nets normally operate within estuaries, although some are also fished off coastal beaches. Netting is not usually permitted in freshwater, however, such rights have existed in the Cumbrian region during the review period on the rivers Eden and Border Esk.

Seine nets have operated in the Yorkshire, Anglian, Southern, Wessex, South West, Severn-Trent, Welsh and North West regions during the review period.

Sling net: The sling net is a type of drift net (see above) used exclusively on the River Clwyd in North Wales. The sling net differs from other drift nets only in so far as the nets are permitted to carry weights (not exceeding 9 lbs) at either end, designed to retard the drift.

Stand net: A local name for a dip or lave net (see above) used only on the River Trent, but not fished during the review period for salmon or sea trout.

Stop net: An alternative name for the compass net (see above). Stop nets are used only in the Severn estuary. Although not strictly regarded as fixed engines, stop net catches have traditionally been aggregated with those for the putts and putchers in the Severn and have been reported as fixed engine catches.

T-net: T-nets are fished only in the Northumbria region and are quite distinct from the 'T or J' nets used in the Yorkshire region (see below). The status of these nets as fixed engines was disputed at one time due to the tendency of the nets to move with the current or swell, or as their anchors shifted. However they were made legal as stationary nets by orders made by the Northumbrian Water Authority, and are now regarded as fixed engines. T-nets are operated close to the shore. They comprise a 'leader', usually about 200 m in length, stretching out from the beach to a 'headpiece', which contains two traps with funnel entrances. T-nets may not be fished in line offshore.

T-nets are designed to intercept and trap salmon and sea trout moving along the coast close to the shore. Some fish may become enmeshed or entangled in the leader of the net, usually made of monofilament netting. However, the majority are taken, free-swimming, in the traps, which are usually made of coarser multifilament netting.

T-nets are currently only permitted in specified areas of the northern part of the Northumbria region. Net dimensions, mesh sizes and fishing areas are specified by byelaw and by additional regulations governing their use in the private 'stell' fisheries owned by the Duke of Northumberland on a stretch of coast between Boulmer and Hauxley.

T-nets are normally fished in specific berths, with fishermen moving between berths on a rota system. The nets are shot each day, normally being re-set on each tide, and must not be left unattended.

'T or J'-net: This method of taking salmon and sea trout, is used exclusively in the Yorkshire region. The status of these nets as fixed engines was disputed at one time due to the tendency of the nets to move with the current or swell, or as their anchors shifted. However, they were made legal as stationary nets by orders made by the Yorkshire Water Authority, and are now regarded as fixed engines.

The nets themselves are plain sheets of netting on a floated head rope which hang vertically in the water by means of a weighted foot rope. The nets are then held stationary by means of weights, anchors or stakes and are set from the shore usually in the shape of a 'J' or 'P'. The nets are not permitted to contain bags, pockets or monks, and local byelaws regulate the length and mesh size of the net. The nets are not confined to particular locations, although in practice, netsmen tend to operate in certain favoured positions based on tradition and accessibility from their home port. Once filled, berths normally remain fixed for the whole season, and from season to season. Some netsmen leave a framework of anchored ropes and buoys to facilitate resetting of the net after the weekly close times. 'T or J'-nets may not be fished in line offshore. Nets fish continuously, being removed at the end of each week for the weekly close time; fishermen do not have to be in attendance when the net is fishing.

Fish can only be caught in a 'T or J' net by becoming enmeshed or entangled in the walls of the net.

Topping net: A local name for a dip or lave net (see above) used only on the River Trent, but not fished during the review period for salmon or sea trout.

Trammel net: Trammel nets are similar to drift nets (see above) but are modified by the addition of sheets of larger mesh netting on one or both sides of the net. Such nets are referred to as being 'armoured'. A fish striking a trammel net pushes the small mesh net through one of the large meshes in the adjoining net and is caught in the resultant pocket.

Trammel nets have been used only in the Welsh region on the rivers Wye and Dee. However, coracle fishermen also employ trammel nets (see coracle nets above). Dimensions and mode of operation are specified by byelaw.

Tuck net: A local name for trammel or drift nets (see above) as used in the Wye district of the Welsh region. Fishing by tuck nets ceased in 1985. The length, depth and mesh size of tuck nets was determined by byelaw. Nets were permitted to be either 'armoured' (i.e. a trammel net) or 'unarmoured' (i.e. a drift net). It is not clear to what extent the different netting types were used.

Wade net: A wade net consists of a single sheet of netting, without bags or pockets, which is attached to a pole at each end, and is pulled along the foreshore parallel to the beach by two men, one wading and the other on the beach. The nets are usually short (about 30 yards); the exact dimensions and mesh sizes are specified by byelaw. Nets are 'beached' at regular intervals, or when a fish strikes, in much the same way as a seine net.

Wade nets operate only in south west Wales in coastal regions in the Carmarthen Bay area and in the vicinity of the Taf estuary. Some of the coastal nets (see above) operated in the Anglian region during the review period, have operated in a similar manner.

Whammel net: A local name used in the North West region to describe a drift or hang net (see above).

RECENT DATA REPORTS

- No. 15 An assessment of radiation exposure due to liquid effluents from Hinkley Point power stations
- No. 16 Salmonid and freshwater fisheries statistics for England and Wales, 1987
- No. 17 Marine environmental data inventory for the Bay of Biscay, Celtic Sea and west of Ireland, March-July 1980, 1983 and 1986
- No. 18 Radioactivity in freshwater systems in Cumbria (UK) following the Chernobyl accident
- No. 19 Current meter observations in the Irish Sea, 1986
- No. 20 Radioactivity in north European waters: Report of Working Group II of CEC Project MARINA
- No. 21 Salmonid and freshwater fisheries statistics for England and Wales, 1988
- No. 22 Investigation of external radiation exposure pathways in the eastern Irish Sea, 1989
- No. 23 A survey of tritium in sea water in Tees Bay, July 1986
- No. 24 Near-surface sea temperatures in coastal waters of the North Sea, English Channel and Irish Sea
- No. 25 Radiocaesium in the seas of northern Europe: 1980-84
- No. 26 Landings into England and Wales from the demersal fisheries of the Irish Sea and Western Approaches, 1979-1990
- No. 27 Monitoring of radioactivity in the UK environment: an annotated bibliography of current programmes
- No. 28 Radiocaesium in the seas of northern Europe: 1975-79
- No. 29 Marine radioactivity in the Channel Islands
- No. 30 Radiocaesium in the seas of northern Europe: 1970-74
- No. 31 Radiocaesium in the seas of northern Europe: 1962-69
- No. 32 Radiocaesium in the seas of northern Europe: 1985-89
- No. 33 Sources of mortality and associated life-cycle traits of selected benthic species: a review
- No. 34 Measures of dispersion from discharge pipelines at nuclear sites in the UK using caesium-137 in sea water data
- No. 35 Open sea fish tracks: plaice fitted with compass tags
- No. 36 Surface temperature and salinity time-series from the Rockall Channel, 1948-1992
- No. 37 Open sea fish tracks: cod tagged with transponding acoustic tags



Ministry of Agriculture, Fisheries and food
Directorate of Fisheries Research
Fisheries Laboratory
Lowestoft
Suffolk
NR33 0HT
England