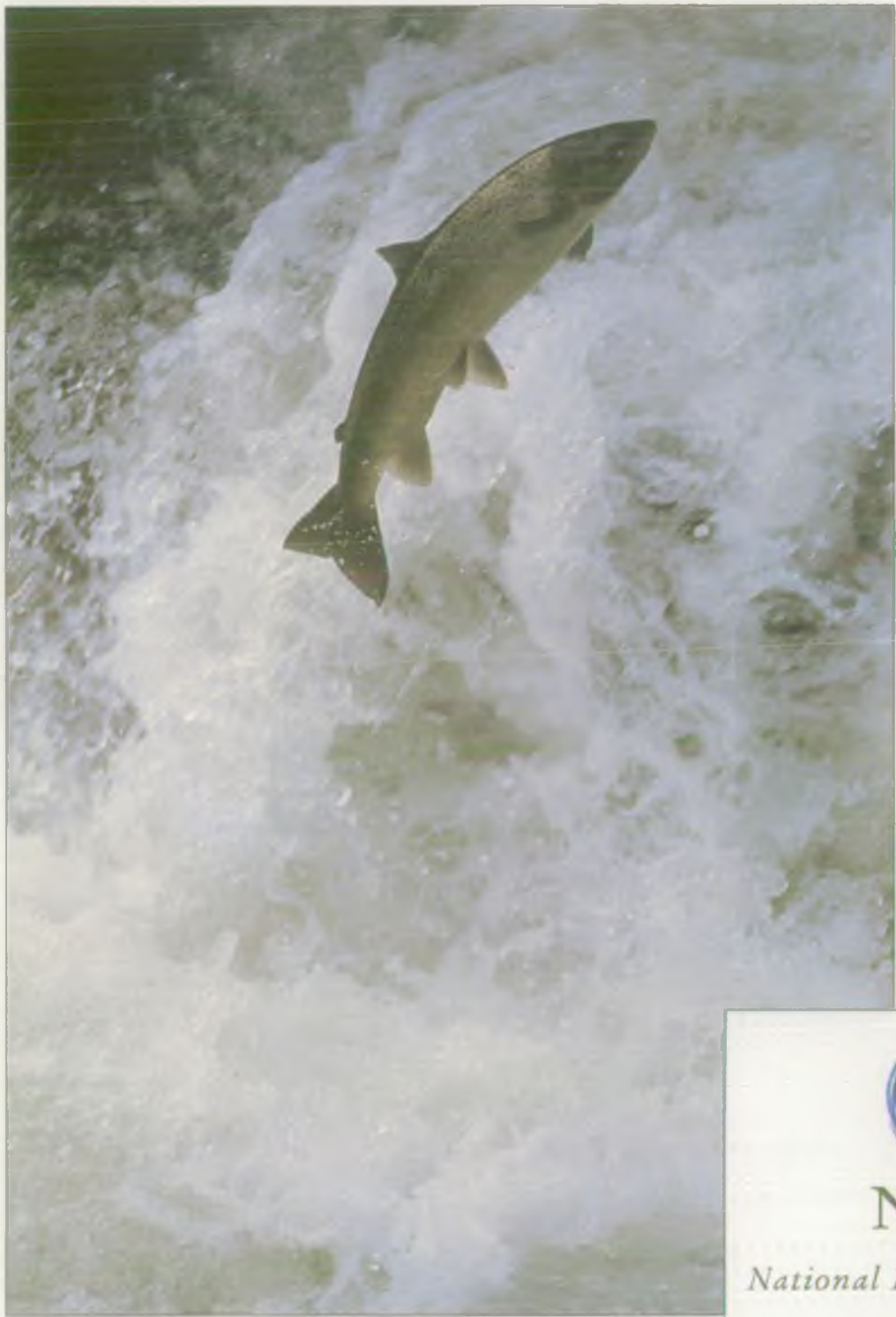


FISHERIES STATISTICS 1994

Salmonid and Freshwater Fisheries Statistics for England and Wales.



NRA

National Rivers Authority

**Guardians of
the Water Environment**

Salmonid and Freshwater Fisheries Statistics for England and Wales

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2. Fisheries Statistics 1990.
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4. Fisheries Statistics 1992.
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2. Analysis of Sea Trout Catch Statistics for England and Wales.
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4. The Feasibility of Developing and Utilising Gene Banks for Sea Trout (*Salmo trutta*) Conservation.
5. National Angling Survey 1994.

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SALMONID AND FRESHWATER FISHERIES STATISTICS FOR ENGLAND AND WALES, 1994

(Declared catches of salmon and migratory trout, by rod, by nets and other instruments and inclusive of the available catch data for eels and freshwater fish).

This report has been prepared by the National Rivers Authority.
Data for the years 1983-1988 have been published in the
Ministry of Agriculture, Fisheries and Food,
Fisheries Research Data Report Series.



Fisheries aims

- To maintain, improve and develop fisheries.

Fisheries objectives

- Protect and conserve salmon, trout, freshwater fish, eel and, where appropriate, coastal fisheries.
- Regulate fisheries through the enforcement of a consistent series of licences, orders, byelaws and consents.
- Monitor the fisheries status of rivers and inland, estuary and, where appropriate, coastal waters.
- Formulate policies to maintain, improve and develop fisheries and restore and rehabilitate damaged fisheries.
- Provide an efficient and effective fisheries service which is responsive to the needs of its customers and which is based on a sound charging system.

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1. SUMMARY OF MAIN FINDINGS

- The declared net catch for England and Wales in 1994 was 66,457 salmon (242 tonnes) and 60,895 sea trout (116 tonnes).
- The declared rod catch for England and Wales in 1994 was 24,891 salmon (94 tonnes) and 45,759 sea trout (37 tonnes).
- The river with the largest declared rod catch of salmon was the Eden (North West) with 2,636 fish, followed by the Wye (Welsh) with 2,338 fish.
- The river with the largest declared rod catch of sea trout was the Tywi (Welsh) with 4,946 fish, followed by the Teifi (Welsh) 3,704 fish, and the Lune (North West) 2,161 fish.
- For rods, the highest declared salmon catch per licence day was experienced on the Exe (South Western) with 0.29 fish caught per day, or expressed another way, one fish caught per 3.4 days spent fishing. Other notable rivers include the Border Esk (North West) with 0.232 fish caught per day (one per 4.3 days) and the Lyn (South Western) with 0.202 fish caught per day (one per 5 days).
- The average salmon rod catch per licence day for England and Wales was 0.067 fish caught per day (1 per 15 days fishing).
- For rods, the highest declared sea trout catch per licence day was experienced on the Otter (South Western) with 0.619 fish caught per day (one fish caught per 1.6 days spent fishing). Other notable rivers include the Dwyfawr (Welsh) with 0.528 fish caught per day (one per 1.9 days) and the Llyfni (Welsh) with 0.493 fish caught per day (one per 2 days).
- The average sea trout rod catch per licence day for England and Wales was 0.122 fish caught per day (1 per 8 days fishing).
- 14% of rod caught salmon were released in 1994, compared with 10% in 1993.
- 36% of rod caught sea trout were released in 1994, compared with 29% in 1993.
- Between 1 April 1994 and 31 March 1995 964,896 non-migratory trout and coarse fish licences were sold. 37,278 salmon and sea trout licences were sold over the same period.
- 732 salmon and migratory trout net licences were issued in the 1994 season.

2. INTRODUCTION

This report is the sixth compilation of salmon and migratory trout catch statistics for England and Wales produced by the National Rivers Authority. For the years 1983-88, these statistics were published by the Ministry of Agriculture, Fisheries and Food, Directorate of Fisheries Research in their Data Report Series. The 1994 data have been presented in a broadly similar format to those of 1993.

It is important to remember that the catch data recorded in this document represent declared catches only and as such will not be an entirely accurate record of the total numbers of fish landed. Furthermore, the relationship between catch and stock size is difficult to establish regardless of the accuracy of the catch data. Great care must, therefore, be taken in using these figures to derive anything beyond a measure of catch.

3. ROD LICENCE CATCH RETURNS

In January 1995 the NRA issued its first ever national catch return reminder (for the 1994 season), an exercise which had been made possible by the introduction of a separate salmon and sea trout rod licence in 1994/95 and therefore an identifiable group of anglers. A reminder was sent to all holders of a salmon and sea trout licence, regardless of whether or not a return had already been made. The purpose of the reminder was twofold, namely; to remind those anglers who had not made a return to make one; and to provide anglers with some feedback on 1993 catches. It also provided details of how to make a donation to the North Atlantic Salmon Fund (UK).

The reminder had a significant impact on the number of returns submitted, which showed an increase of 230% on 1993 to more than 22,500 returns. Reported rod catches for 1994 for both species were the highest recorded for several years, and demonstrated a marked improvement over the very poorly reported years of 1992 and 1993. However it is not possible to quantify how much of the improvement can be attributed to enhanced reporting of catch and how much to greater numbers of fish returning to rivers. The improved reporting rate should be borne in mind, particularly when comparing 1994 catches with those of previous years. A catch return reminder will once again be employed for the 1995 season, providing continuity for reported rod catches in the future.

4. NRA REGIONS

During 1993 and 1994 the organisation of the NRA was changed from ten Regions to eight. The change was mainly designed to improve effectiveness, and to improve, by moving towards integrated catchment management, the delivery of services at a local level. The Northumbria and Yorkshire Regions merged on 1 January 1993 to form Northumbria & Yorkshire Region, and the Wessex and South West Regions to form South Western Region, in March 1994. However for purposes of continuity, the 1994 Fisheries Statistics will refer to the former Regions. This will allow comparisons to continue to be made with historical data. Despite the reorganisation, Regional Fisheries Advisory Committees (RFACs) continue to operate under the ten former Regions, and it is appropriate to report the Fisheries Statistics in this way also. However totals for the Northumbria & Yorkshire Region and South Western Region can be calculated by combining the appropriate former Regional data.

Note: Northumbria & Yorkshire Region and South Western Region are reported in the Fisheries Statistics 1994 as their former constituent Regions. An abbreviation of the new Regions (N&Y and SW) appear in parentheses after any reference to the former constituent Regions in this Report.

5. REVIEW OF CATCHES IN 1994

Catch statistics, and the methods for their collection, vary in accuracy from year to year, and catches themselves fluctuate because of a wide variety of influencing factors. All available information regarding these factors should be considered to avoid undue significance being attributed to changes in catch which may occur in any one year. Those factors likely to have affected catches during 1994 (together with the summarised data presented in Tables 19-22 and Figures 1-39) have been used to provide the following review of the 1994 catch data in relation to those of recent years (1989-93).

5.1 Overview

NATIONAL SUMMARY		SALMON	SEA TROUT
Net Catch	Reported catch (No.)	66457	60895
	% Change 1994 on 1993	+17	+53
	% Change 1994 on 5 year mean	+24	+9
	Mean weight of fish (kg)	3.64	1.91
Rod Catch	Reported catch (No.)	24891	45759
	% Change 1994 on 1993	+33	+71
	% Change 1994 on 5 year mean	+62	+121
	Mean weight of fish (kg)	3.78	0.82
	Catch per licence day	0.067	0.122

The return to normal river flows experienced in 1992 and 1993 continued throughout the 1994 season. There were a number of spates in all Regions and good numbers of salmon and sea trout running during the season.

Rod and net catches of salmon and sea trout in England and Wales were higher, overall, than those reported in 1993 and were above their respective 5-year-averages (Tables 17-20).

Salmon net catches were higher than in 1993 in all Regions except Yorkshire (N&Y), Anglian and Southern, although the latter two Regions account only for a handful of fish. The most notable increase (144% on 1993) occurred in the Severn-Trent Region, which showed signs of a recovery over the previous three years (Table 17). Nationally, the total net catch of salmon was higher than in 1993 by 17%, and 24% higher than the 5-year-average. Total sea trout net catches were also markedly higher in 1994 than in 1993, and 9% over the 5-year-average (Table 18), reversing the downward trend in catches observed since 1989.

Rod catches of salmon and sea trout in England and Wales in 1994 were, due to the introduction of a national catch return reminder, the best reported for several years. As a result of good runs of fish, and better reporting of rod catches, 1994 saw the best catch figures for salmon and sea trout since 1988. In addition, salmon catches were the second highest, and sea trout catches the third highest for the last decade (Figures 24 & 25). Salmon rod catches showed significant improvements in South West (SW), Severn-Trent, Welsh and North West Regions. In the North West Region salmon rod catches were the

highest since records began in 1951. Reported sea trout rod catches were up in every region except Southern (-6%), and were 121% above the aggregated 5-year-average (Table 20).

Figures 26 and 27 present the proportions of rod and net caught salmon and sea trout by NRA Region. They show that in 1994 the salmon catch in the Northumbria (N&Y), Yorkshire (N&Y), South West (SW) and Severn-Trent Regions was taken predominantly by the nets, whereas in Southern, Wessex (SW), Welsh and North West Regions, the rods accounted for the larger part of the catch. The nets dominated the sea trout catches in Northumbria (N&Y), Yorkshire (N&Y) and Anglian Regions, and the rods in the Southern, Wessex (SW), South West (SW), Welsh and North West Regions.

Rod catch rate, expressed as catch per licence-day, for salmon and sea trout is presented for each region in Figures 28 & 29 and Table 10; comparisons are made between 1993 and 1994. These data show that in England and Wales, the average catch per licence-day in 1994 was 0.067 salmon and 0.122 sea trout per licence-day. To put it another way, it took an average of 15 days for an angler to catch a salmon and 8 days to catch a sea trout. It is important to note that these figures are calculated using data which reports fishing effort for salmon and sea trout combined. The data presented in Figures 28 & 29 and Table 10 were taken only from rod catch returns which were correctly and fully completed, emphasising the importance of accurate and complete returns.

Tables 10 & 11 and Figures 38 & 39 show the national proportion of fish released by month. The Figures compare data for the years 1993 and 1994. As in 1993, the proportion of salmon released was highest during the Spring and back end of the fishing season. The proportion of salmon released over the whole of the 1994 season was 13%, an increase of 3% over 1993. For sea trout, the pattern of fish released by month was less variable, and the proportion of fish released for the 1994 season was 36%. As with the catch per licence-day figures, data were only collected from rod licence returns which had been fully and correctly completed.

5.2 Northumbria (Northumbria & Yorkshire Region)

NORTHUMBRIA SUMMARY		SALMON	SEA TROUT
Net Catch	Reported catch (No.)	42547	31410
	% Change 1994 on 1993	+15	+43
	% Change 1994 on 5 year mean	+36	+7
	Mean weight of fish (kg)	3.68	1.99
Rod Catch	Reported catch (No.)	1821	2299
	% Change 1994 on 1993	+9	+18
	% Change 1994 on 5 year mean	+24	+44
	Mean weight of fish (kg)	4.48	1.63
	Catch per licence day	0.040	0.053

In 1994 net catches of salmon and grilse were even higher than in 1993 when they were largely concentrated in the last six weeks of the season. The catch was the highest since 1990 (Figure 5) although, to put this into context, account must be taken of depressed catches in 1991 and 1992. The monthly distribution was more even than in 1993 (Figure 1) with the monthly percentage breakdown being; May - 7%, June - 20%, July - 39% and August - 32%. The most successful port was Blyth, followed by Sunderland, Amble and Shields. The split between salmon and grilse is not tabulated in this publication, however, salmon made an appearance in reasonable numbers on 9 May, increasing considerably for the two weeks following, before falling again. There were two further peaks in late June and mid July, before a concentrated high in August. The grilse catch was the highest since 1988, with significant numbers arriving from 23 June. There was an intense concentration of grilse in the subsequent three weeks and then a steady decline.

The weather in May featured almost continuous north-easterly winds. From the beginning of June there was a sudden change with warm and dry conditions lasting until the first week in August, after which some of the worst coastal thunderstorms for many years occurred. Thereafter temperatures decreased and cloud increased with few reappearances of the fine summer weather.

The decline in net caught sea trout witnessed since 1989 was arrested in 1994, with an increase of 43% over 1993 and 7% on the five year average (Figure 5). The increase was more marked in the northern area for both drift and "T" nets, but it was the southern ports of Sunderland and Seaham which recorded the Region's highest catches, followed by Shields and Boulmer in the north. There were no significant catches of sea trout until late May and they peaked in mid-July, itself accounting for 39% of the total catch (Figure 1).

Rod catches of salmon and grilse catches for the majority of Northumbria rivers were higher than in recent years (Figure 14), which may in part be due to catch return reminders being sent to all salmon and migratory trout licence holders. As with previous years, the majority of salmon were taken in September and October (Figure 3).

All rivers showed an increase in salmon and grilse catches over 1993 with the exception of the River Wear, which had experienced record catches in that year. Of particular interest is the reported catch from the Tees which equals the level reported in 1986, a catch which has not been bettered since 1928. This catch is

likely to reflect improvements in water quality achieved in this river together with the efforts directed towards fisheries improvements. The Tyne system also recorded the best catch for a number of years with several salmon topping 28lbs.

Sea trout catches were also up on all rivers with the best recorded catch since 1988, and the second best for the decade (Figure 14). Most of the sea trout were taken during August, September and October, showing a very similar monthly catch distribution to the 1993 season.

5.3 Yorkshire (Northumbria & Yorkshire Region)

YORKSHIRE SUMMARY		SALMON	SEA TROUT
Net Catch	Reported catch (No.)	4007	19726
	% Change 1994 on 1993	-15	+99
	% Change 1994 on 5 year mean	-16	+35
	Mean weight of fish (kg)	3.42	1.85
Rod Catch	Reported catch (No.)	118	489
	% Change 1994 on 1993	+354	+124
	% Change 1994 on 5 year mean	+451	+242
	Mean weight of fish (kg)	3.73	1.54
	Catch per licence day	0.048	0.191

All but one of the Yorkshire drift net licences are fished out of Whitby. Fishing did not get underway until June and the combined salmon and grilse catch not only declined, by 32%, but came very near to the low points of 1991 and 1992. For salmon, the last three weeks of the season saw the only sustained run and even the last week at the end of August was two thirds short of that for 1993. Grilse did not make an appearance in significant numbers although there was a slight increase in mid-July. However, even then, the drift net grilse catch was considerably lower than in 1993. Drift net catches of sea trout were up on 1993 by 8%, with the best run occurring in mid July. There was however a considerable decline of 28% in drift netting effort in 1994.

Conversely, for the "T" and "J" nets, fished from Scarborough to Flamborough Head, there was an increase of 47% in effort. This increase reflected more favourable weather conditions and a greater abundance of sea trout. This is mainly a sea trout fishery and accounted for most of 19726 fish caught in the Region. As a consequence the regional net catch of sea trout was up by 99% on 1993 and by 35% on the five year average (Table 18 & Figure 6).

Rod catches of salmon and sea trout on the River Esk were the highest recorded since the early 1980s (Figure 15), which in part is thought to be due to the improved passage of fish over Sleights Weir, following improvements made at the end of 1993.

5.4 Anglian

ANGLIAN SUMMARY		SALMON	SEA TROUT
Net Catch	Reported catch (No.)	3	1237
	% Change 1994 on 1993	-25	-29
	% Change 1994 on 5 year mean	-79	-47
	Mean weight of fish (kg)	-	1.60
	Reported catch (No.)	-	-

The declared 1994 net catch of sea trout in the Anglian coastal fishery was 25% lower than in 1993 and the lowest since records were kept in 1989 (Figure 7). There was a continued reduction in effort, with 21 fewer licences being taken out than in 1993. A catch of only three salmon was reported from the Anglian coastal fishery in 1993.

5.5 Thames

THAMES SUMMARY		SALMON	SEA TROUT
Net Catch	Reported catch (No.)	-	-
Rod Catch	Reported catch (No.)	11	5
	% Change 1994 on 1993	-31	-
	% Change 1994 on 5 year mean	+25	-
	Mean weight of fish (kg)	3.45	1.60
	Catch per licence day	0.000	0.006

In 1994, river flows were equal to the long term average, as in 1993. The weather was hot, particularly during July when the river water temperature exceeded 21°C. Apart from the high temperatures, there was a significant period of 7-10 days in August when dissolved oxygen levels were reduced below those which allow salmon passage. This was caused by a storm sewage discharge event. There was consequently a poor run of salmon during July and August. There was however a substantial late run in September and through to November. Eight of the fish taken on rod and line were in the final week of the season and the late nature of the run probably reduced availability to rods. The total confirmed run for the year was 238 fish.

5.6 Southern

SOUTHERN SUMMARY		SALMON	SEA TROUT
Net Catch	Reported catch (No.)	4	4
	% Change 1994 on 1993	-64	-43
	% Change 1994 on 5 year mean	-88	-95
	Mean weight of fish (kg)	4.00	2.25
Rod Catch	Reported catch (No.)	432	522
	% Change 1994 on 1993	-21	-6
	% Change 1994 on 5 year mean	-10	+65
	Mean weight of fish (kg)	3.70	1.17
	Catch per licence day	0.071	0.164

The greatly reduced effort of the Hampshire seine nets which has been a feature of recent years, was repeated in 1994. The result was that only 4 salmon and 4 sea trout were reported for the season.

Reported rod catches of salmon and sea trout were down on 1993 figures by 21% and 6% respectively (Figure 16). It was noticeable, however, that despite issuing catch return reminders, the NRA received relatively few catch returns from anglers fishing on the Rivers Test and Itchen. Therefore, reported totals shown in Tables 8 & 9 for these rivers were taken from owners' reports. The monthly spread of rod catch for both species matched very closely that of 1993. The majority of salmon were taken in July (31%), August (23%) and September (20%) (Figure 3), while 43% of the sea trout catch was taken in September alone (Figure 4).

5.7 Wessex (South Western Region)

WESSEX SUMMARY		SALMON	SEA TROUT
Net Catch	Reported catch (No.)	193	516
	% Change 1994 on 1993	+21	+67
	% Change 1994 on 5 year mean	-36	+50
	Mean weight of fish (kg)	3.72	2.33
Rod Catch	Reported catch (No.)	251	117
	% Change 1994 on 1993	-12	+296
	% Change 1994 on 5 year mean	-36	+434
	Mean weight of fish (kg)	4.78	0.52
	Catch per licence day	0.042	0.199

Declared net catches of salmon in 1994 were marginally up on 1993, but still well below the five year average (Figure 9). Sea trout net catches, however, were the best since 1984, and 50% above the five year average (Figure 9). The majority of both species were taken during the months of June and July.

The Frome salmon stocks showed particular improvement with over 150 rod caught fish being recorded. This represents double the rod catch for 1990/91. Given the fact that measures introduced to protect spring fish will also be influencing catches, the Frome could be said to be back to normal. Rod catches of salmon overall were down on both the previous year and the five year average (Figure 17). Sea trout rod catches were up dramatically by 296% on 1993 and 434% on the five year average (Figure 17). This sharp rise can in part be attributed to much better reporting of small (less than 1lb) fish which were subsequently released (Table 12). Confirmation of large numbers of small sea trout being caught is reflected by the smallest average weight recorded since at least 1983 (Figure 33).

5.8 South West (South Western Region)

SOUTH WEST SUMMARY		SALMON	SEA TROUT
Net Catch	Reported catch (No.)	6244	1640
	% Change 1994 on 1993	+29	-18
	% Change 1994 on 5 year mean	+10	-27
	Mean weight of fish (kg)	2.88	1.54
Rod Catch	Reported catch (No.)	4962	10408
	% Change 1994 on 1993	+36	+74
	% Change 1994 on 5 year mean	+108	+149
	Mean weight of fish (kg)	3.21	0.68
	Catch per licence day	0.105	0.220

Catches of salmon and sea trout in 1994 were greatly influenced by weather conditions. Generally, there were reasonable runs of spring fish on many rivers due to good flows in the early part of the season. This was followed by low flow conditions with catches being mainly concentrated towards the lower end of river catchments. In late August and September, exceptional catches were reported from many river systems. Net catches of salmon peaked in July (44%), and sea trout in May (30%) and June (44%) (Figures 1 & 2). 46% of rod caught salmon in the Region were taken in September, representing more than 2,200 fish (Figure 3). Sea trout catches were more evenly spread over the season, with 31% taken in July and August, and 20% in September (Figure 4).

The River Camel had good salmon and sea trout runs and possibly the best winter run of salmon since the '60s. On the River Fowey the nets had an average year, sea trout were at normal levels and there was not such a good run of winter salmon. The Tamar had a sizeable spring run, the nets had a comparatively good year and overall it was probably the best catch for 20 years with over 1,000 salmon and sea trout taken by the rods. Tavy nets had the best year for a long period with a declared catch of almost 700 salmon although rod catches were low until the end of the season. On the River Plym there was an increase in the number of large sea trout and a good winter salmon run.

The River Dart showed an increase greater than 250% in declared rod catches of salmon and sea trout over 1993. The River Exe also had enormous rod catches, particularly in late August and September. It was in fact the River Exe which offered the salmon angler with the best chance of catching a fish anywhere in England and Wales, with a catch per licence day of 0.29 fish, or to put it another way, one fish per 3.4 days spent fishing (Table 10). This figure compares with the National average of one fish per 15 days spent fishing. Nets on this river, on the other hand, had a below average season. On the Taw and Torridge there were good runs of fish, mainly due to the continued buy out of the nets, by the NRA.

5.9 Severn-Trent

SEVERN-TRENT SUMMARY		SALMON	SEA TROUT
Net Catch	Reported catch (No.)	2321	-
	% Change 1994 on 1993	+144	-
	% Change 1994 on 5 year mean	+15	-
	Mean weight of fish (kg)	3.69	-
Rod Catch	Reported catch (No.)	555	39
	% Change 1994 on 1993	+65	-
	% Change 1994 on 5 year mean	+41	-
	Mean weight of fish (kg)	4.35	1.18
	Catch per licence day	0.027	0.002

Following the record lowest catch in 1993, there has been a welcome improvement in both the rod and net catch in 1994. Whilst the lave net catch remains low, the fixed engine catch is more than double that in the previous year and the draft net catch exceeds the long term average.

The general decline in fishing effort in the net fishery continued again this year, with fewer putchers and lave netsmen licensed. Very few fish were caught until an abnormally large run of grilse came into the estuary in mid July and again in early August. Lave netting started slowly and only 8 fish were caught in the first three months. Thereafter, through to July, catches rose steadily falling off in August.

Draft netting effort was light, with only 5 licences issued (one less than the previous year). The season was one of extremes; after no fish were caught in the first four months, 513 were caught during the last three months, 438 of those in July.

During 1994, 565 sets of salmon scales were received and analysed by the NRA. Grilse continue to dominate the catch, with a further increase in the proportion of the total catch during 1994 to 51% (Table 13).

The 1994 rod catch increased by 65% on the previous year (Figure 19). Most of the fish were taken in the April to early June period, with a very quiet spell during the summer months followed by reasonable catches in the last few weeks of the season (Figure 3). 51 salmon were reported from Diglis Weir in the first quarter, with catches reported as far upstream as Newtown during April. The largest reported was a salmon of 12.7kg (28lbs) from Longner, with a majority of fish in the 3 to 7kg (6 to 15lbs) size range and the occasional fish to 8.5kg (18lbs). The average weight of salmon rose slightly above the 1994 figure, but remained well below the average for recent years (Figure 35).

5.10 Welsh

WELSH SUMMARY		SALMON	SEA TROUT
Net Catch	Reported catch (No.)	4995	3019
	% Change 1994 on 1993	+50	+79
	% Change 1994 on 5 year mean	+33	-6
	Mean weight of fish (kg)	4.28	2.39
Rod Catch	Reported catch (No.)	7901	24585
	% Change 1994 on 1993	+32	+84
	% Change 1994 on 5 year mean	+60	+133
	Mean weight of fish (kg)	3.77	0.81
	Catch per licence day	0.047	0.158

Net catches of salmon and sea trout were the highest recorded in the Region since 1988, and were comparable with catches experienced during the early 1980s (Figure 20). Most of the salmon net catch was taken in June (21%), July (32%) and August (40%) (Figure 1). However, for sea trout, as in the previous year, the catch peaked in June (50%) (Figure 2). The average weight of net caught fish of both species rose slightly, and remained close to or above the ten-year mean (Figure 36).

Salmon rod catches rose for the second year running and were the highest recorded since the 1988 season. Sea trout catches showed a significant rise (60%) on 1993, and a remarkable increase on the five-year-average of 133%. In part, these improved catches can be attributed to enhanced reporting in 1994, and in the case of sea trout to larger numbers of small fish being reported. The majority of salmon were taken at the back end of the season, predominantly in September (37%) and October (17%) (Figure 3). The pattern of sea trout rod catches reflected very closely that of 1993, with June (15%), July (28%), August (28%) and September (19%) sharing the majority of fish taken (Figure 4).

5.11 North West

NORTH WEST SUMMARY		SALMON	SEA TROUT
Net Catch	Reported catch (No.)	6143	3343
	% Change 1994 on 1993	+13	+43
	% Change 1994 on 5 year mean	+18	-4
	Mean weight of fish (kg)	3.74	1.35
Rod Catch	Reported catch (No.)	8840	6295
	% Change 1994 on 1993	+42	+45
	% Change 1994 on 5 year mean	+68	+72
	Mean weight of fish (kg)	3.90	0.78
	Catch per licence day	0.099	0.069

Salmon net catches increased for the third year running, and represented the highest catch since 1989 (Figure 13). 37% of the salmon catch was taken in July and 54% in August (Figure 1). In all fisheries, grilse dominated the catch, although a higher proportion of larger fish were caught in the Ribble, probably reflecting the larger mesh size used. The 1994 net catch of sea trout was similar on most rivers to that reported in 1993, with only the Ehen showing a substantial improvement in catch over the previous year. In certain rivers the trend has been for a steady increase in catch in recent years, notably in the Border Esk, Derwent, Ehen, Duddon, Kent, Lune and Ribble. However, in some rivers the catches remain low, particularly in relation to the long-term average catch, these rivers include the Calder, Cumberland Esk and Crake.

Rod catches of salmon and sea trout in the North West Region were substantially higher than in the previous year, by 42% and 45% respectively. 1994 also represented the best catch for both species since at least 1983 (Figure 21). The monthly pattern of rod catches was almost identical to those experienced in 1993 with the majority of salmon being taken in September (39%) and October (36%), and sea trout in July (24%), August (29%) and September (27%) (Figures 3 & 4).

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Figure 1. Monthly reported net catches of salmon and grilse, 1994 season

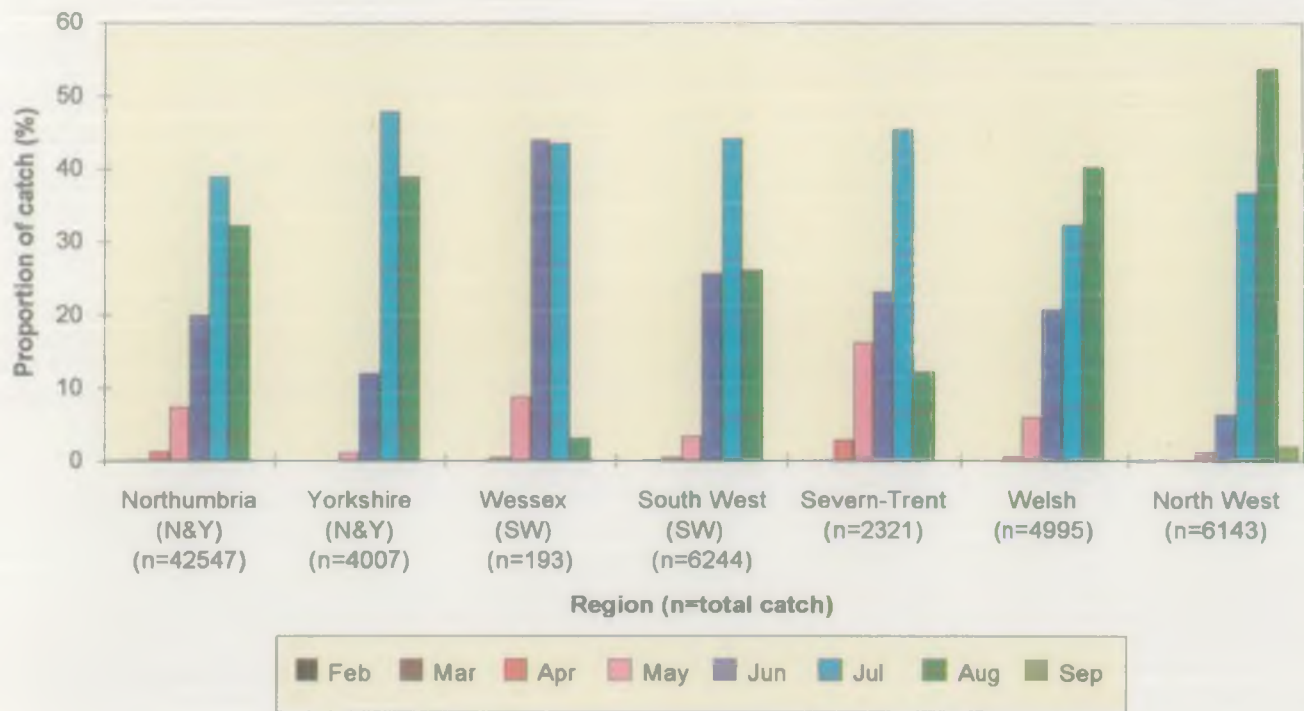


Figure 2. Monthly reported net catches of migratory trout, 1994 season

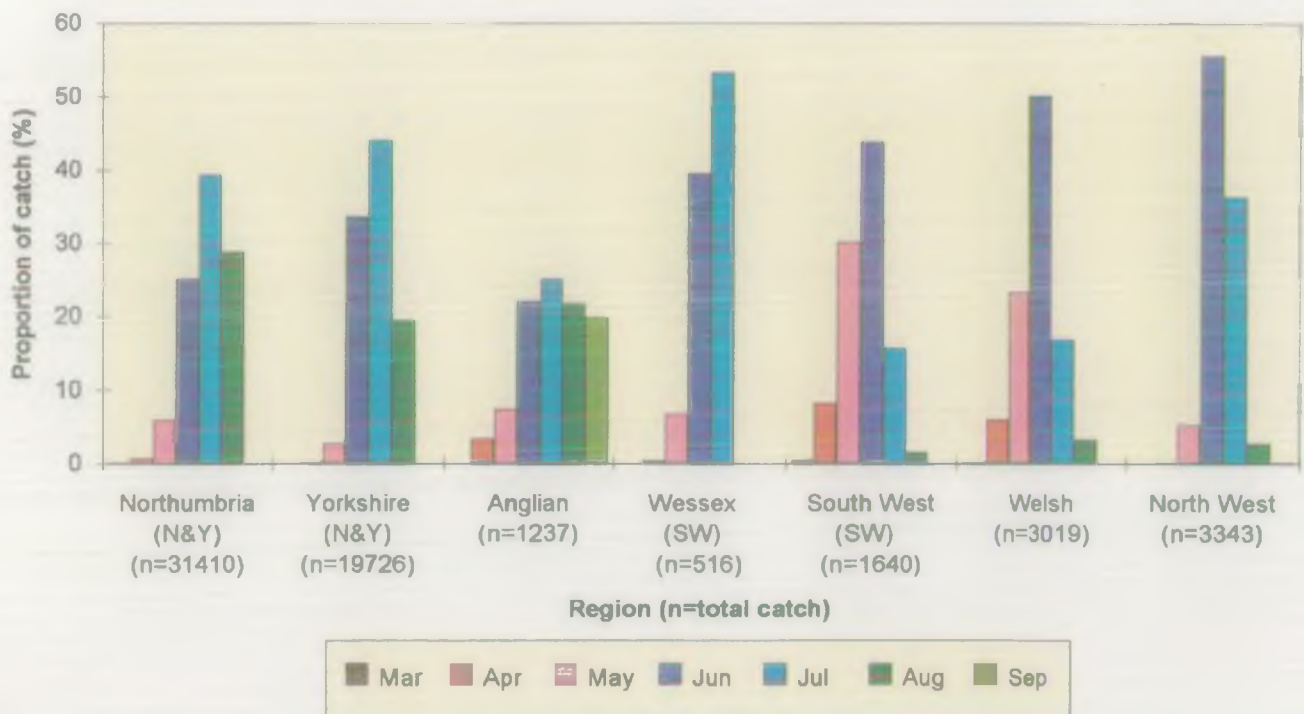


Figure 3. Monthly reported rod catches of salmon and grilse, 1994 season

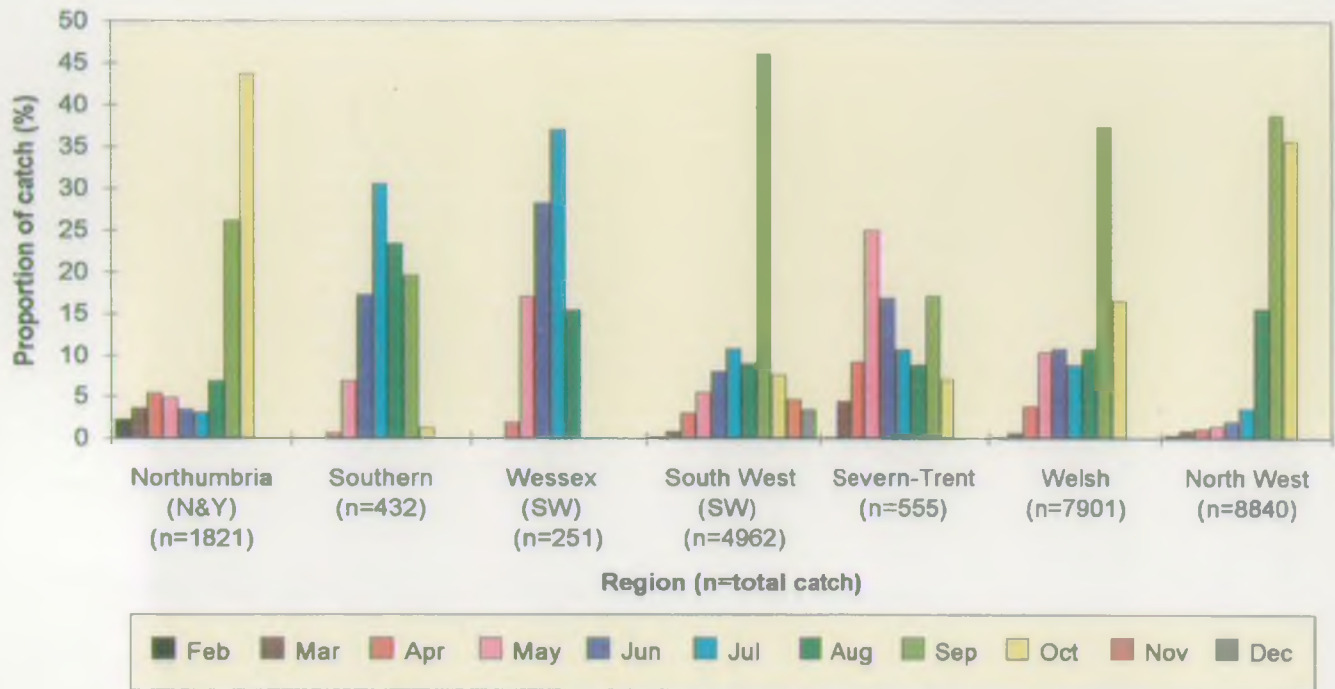


Figure 4. Monthly reported rod catches of migratory trout, 1994 season

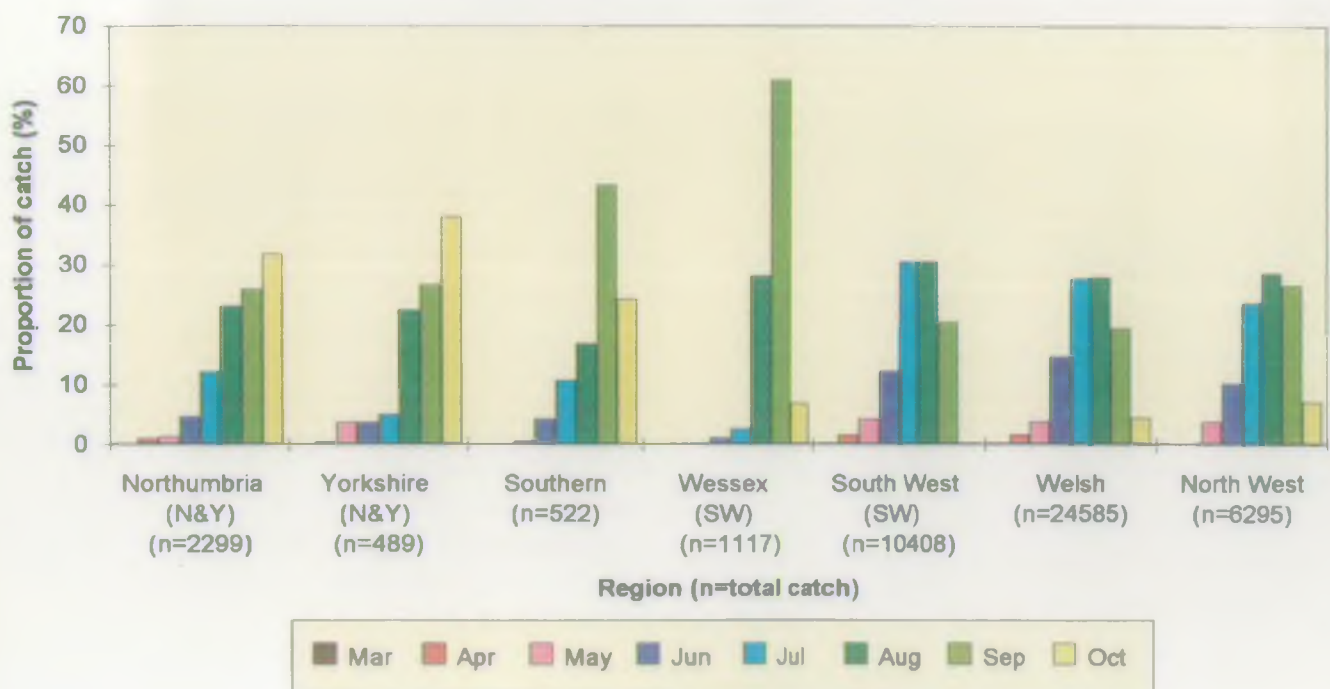


Figure 5. Reported net catches of salmon and migratory trout, 1983-1994, Northumbria (N&Y) Region

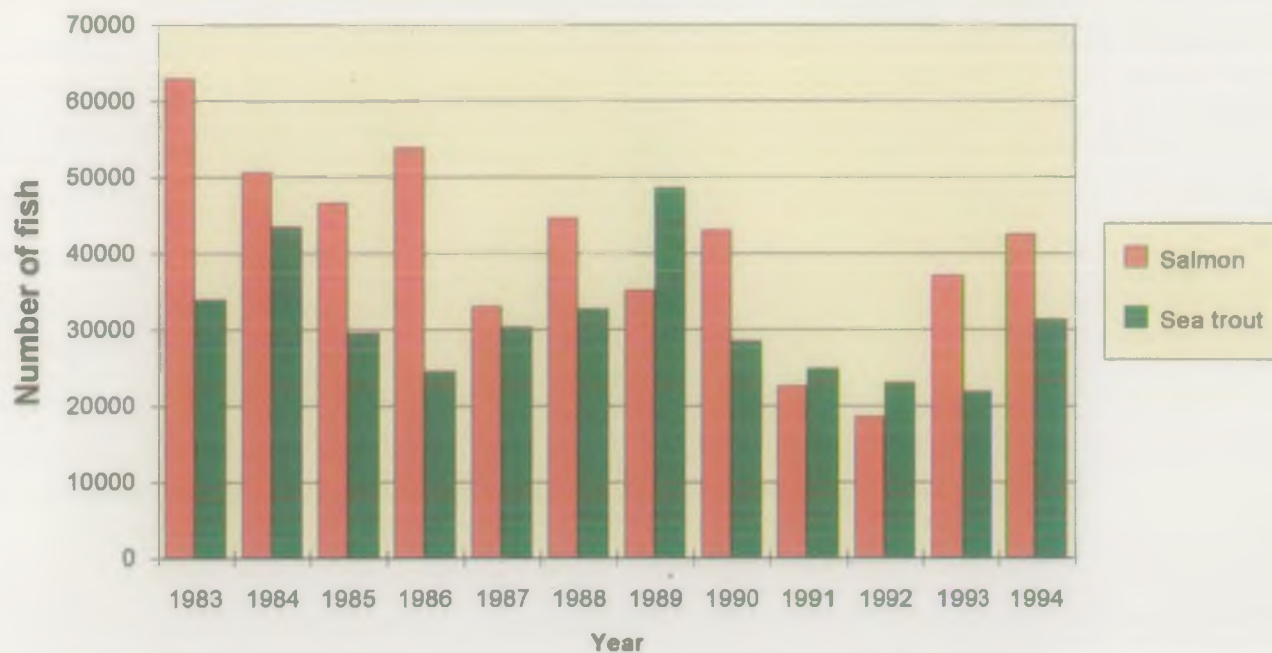


Figure 6. Reported net catches of salmon and migratory trout, 1983-1994, Yorkshire (N&Y) Region

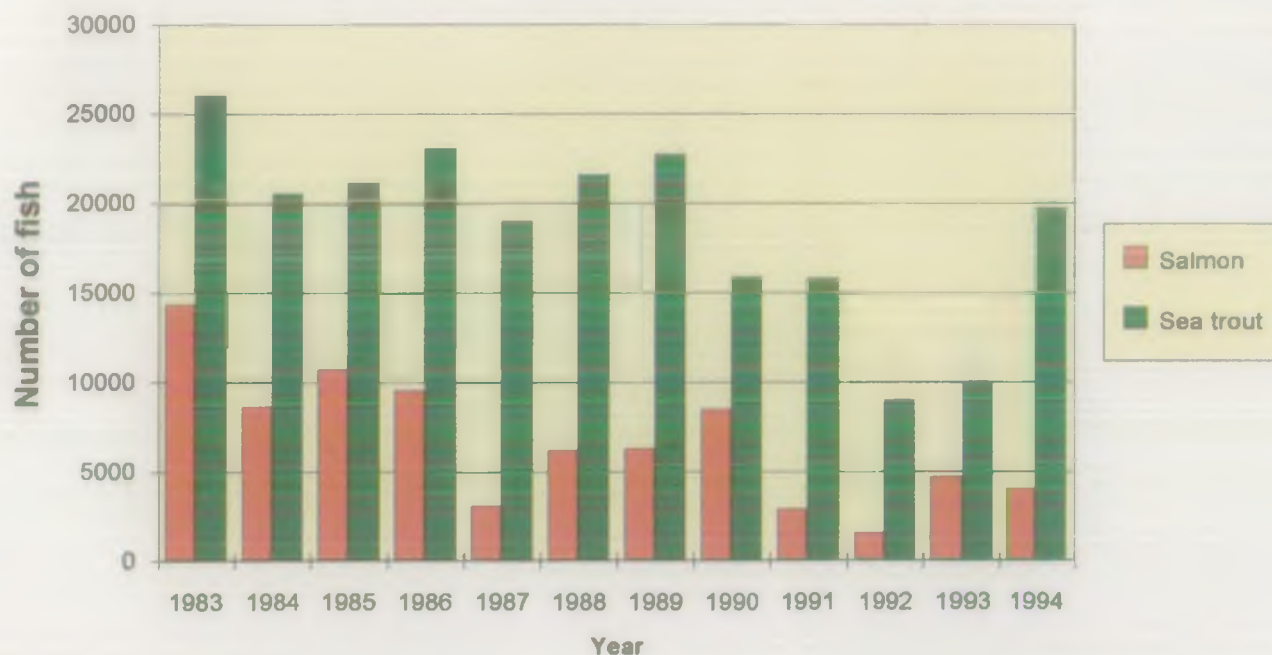


Figure 7. Reported net catches of migratory trout, 1983-1994, Anglian Region

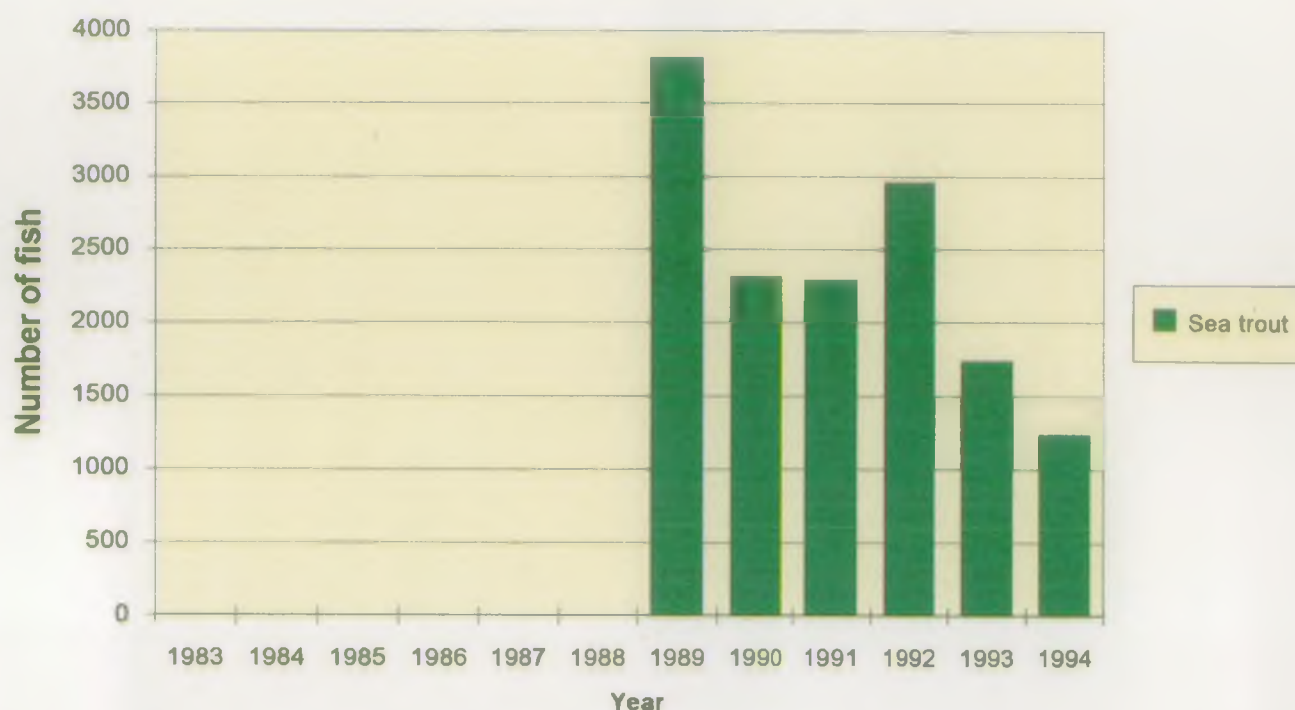


Figure 8. Reported net catches of salmon and migratory trout, 1983-1994, Southern Region

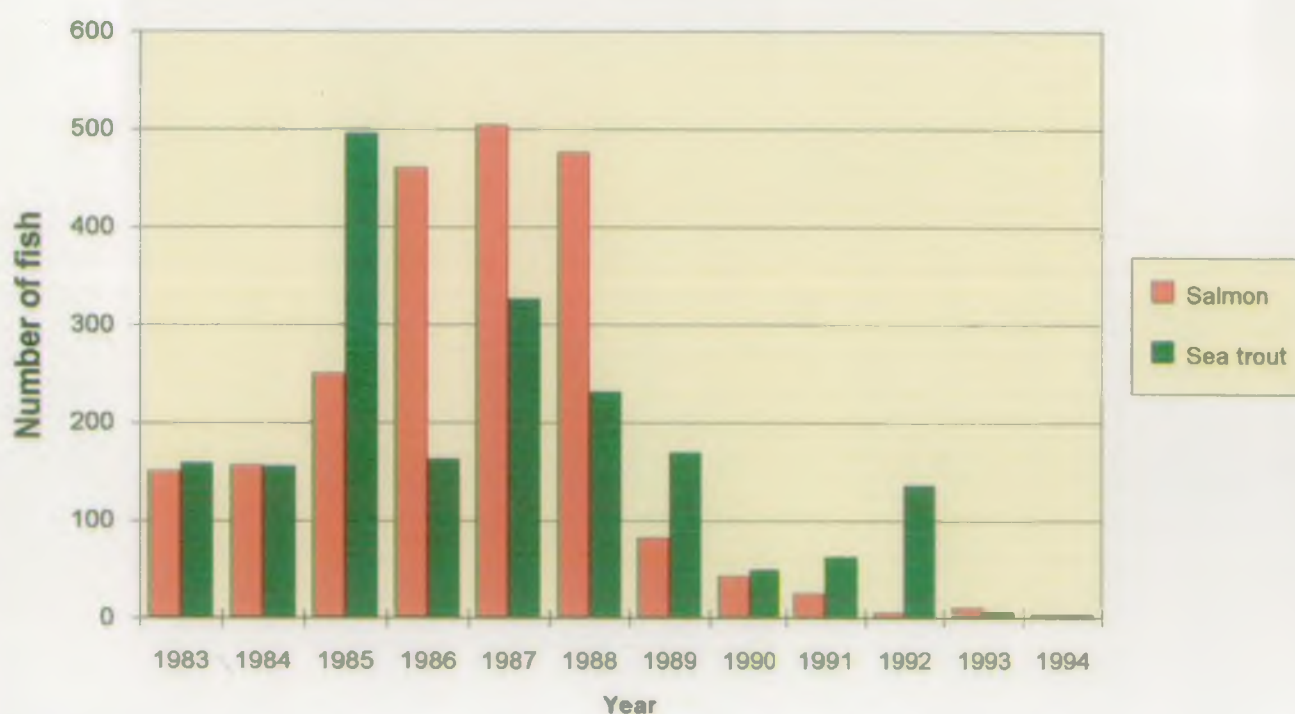


Figure 9. Reported net catches of salmon and migratory trout, 1983-1994, Wessex (SW) Region

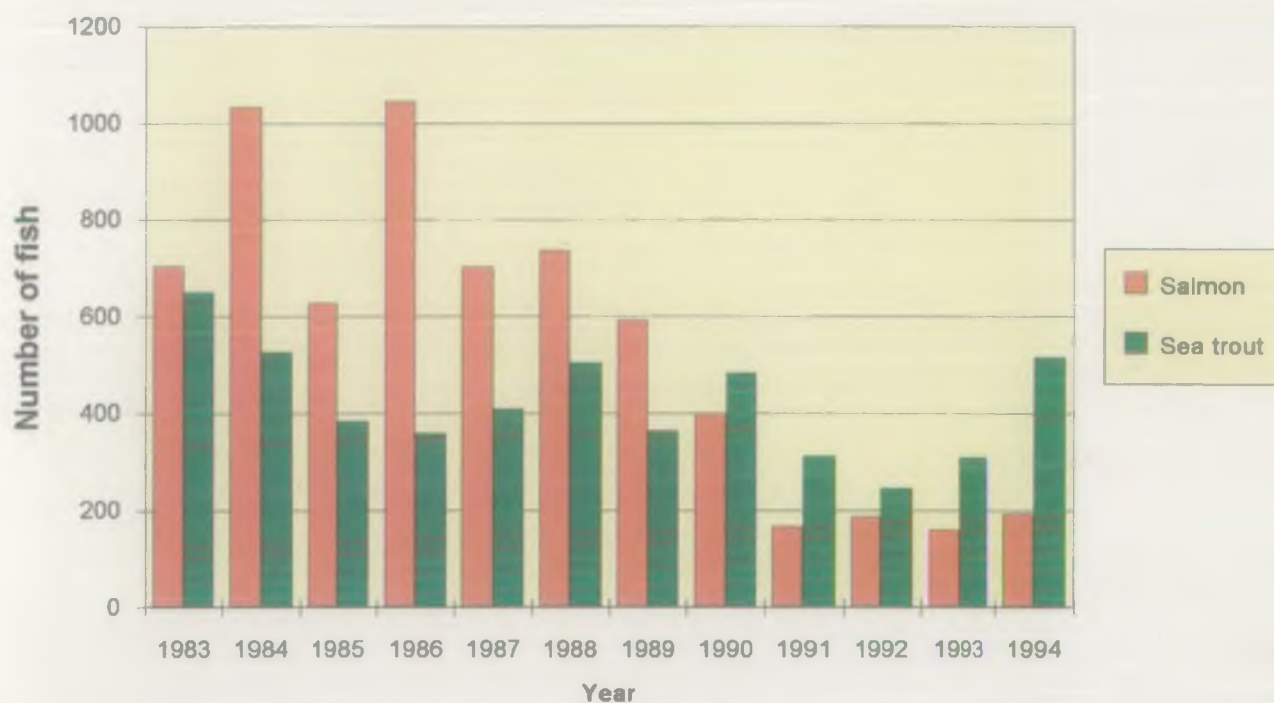


Figure 10. Reported net catches of salmon and migratory trout, 1983-1994, South West (SW) Region

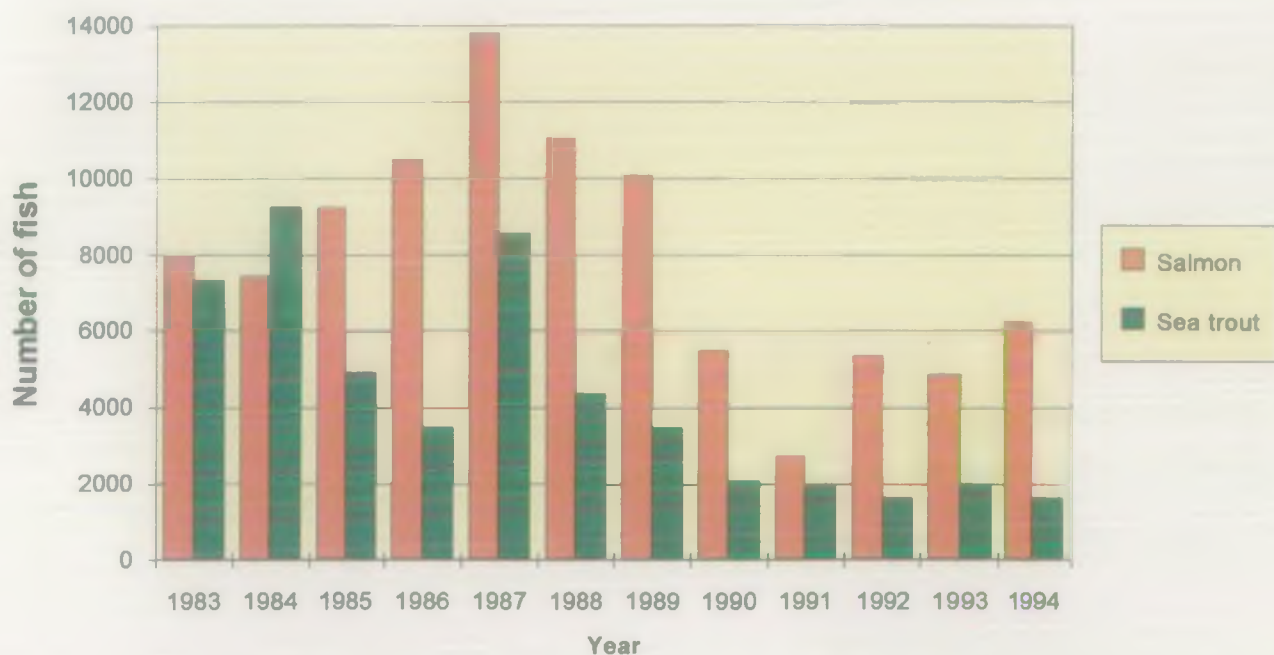


Figure 11. Reported net catches of salmon, 1983-1994, Severn-Trent Region

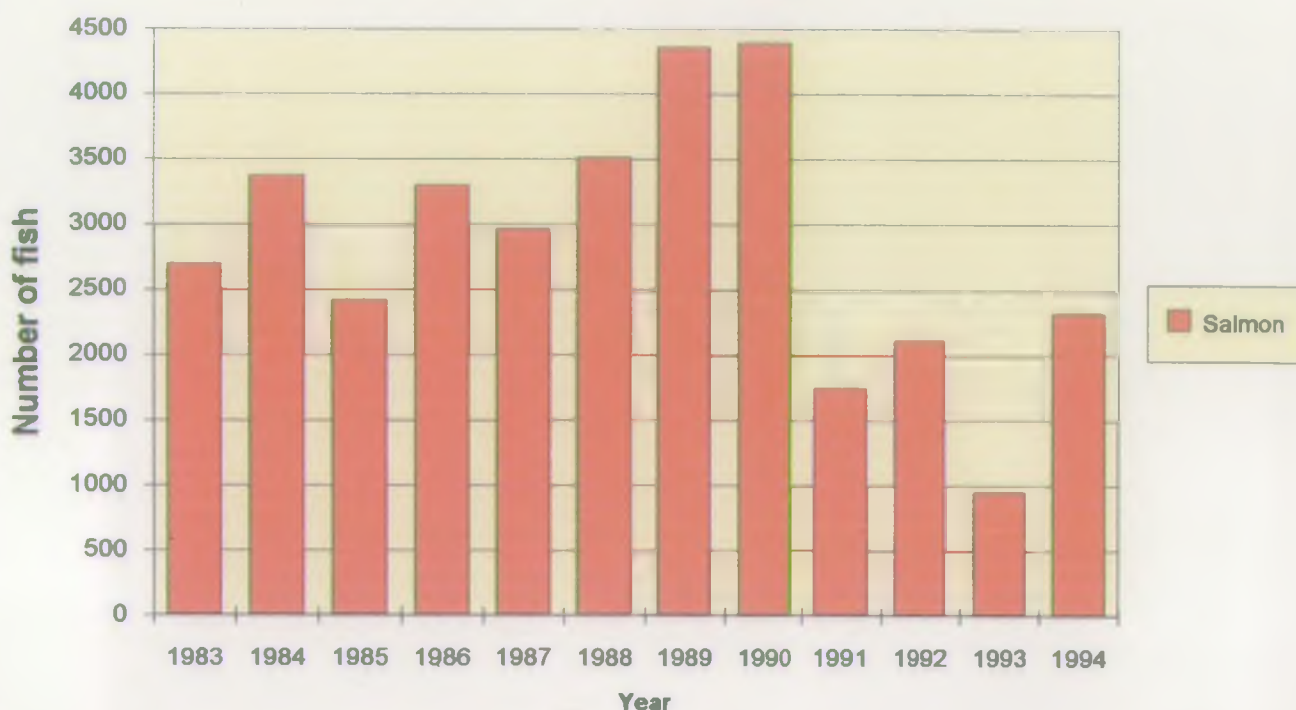


Figure 12. Reported net catches of salmon and migratory trout, 1983-1994, Welsh Region

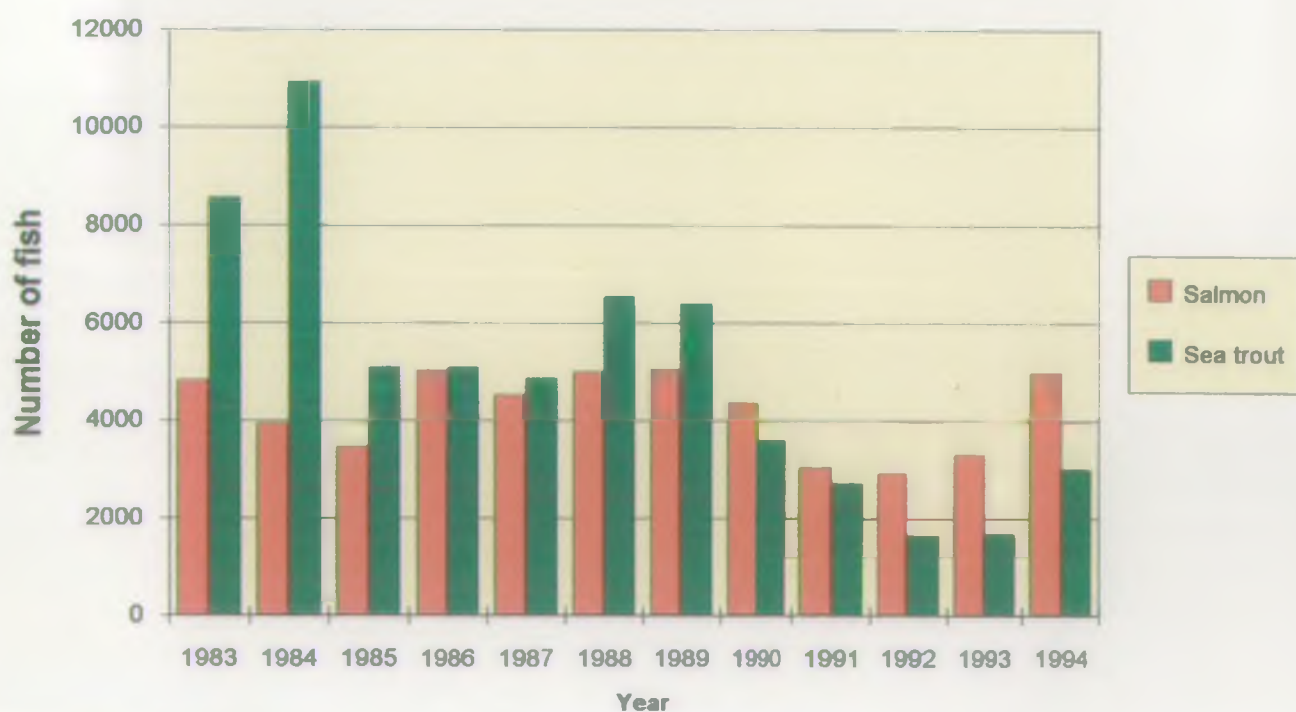


Figure 13. Reported net catches of salmon and migratory trout, 1983-1994, North West Region

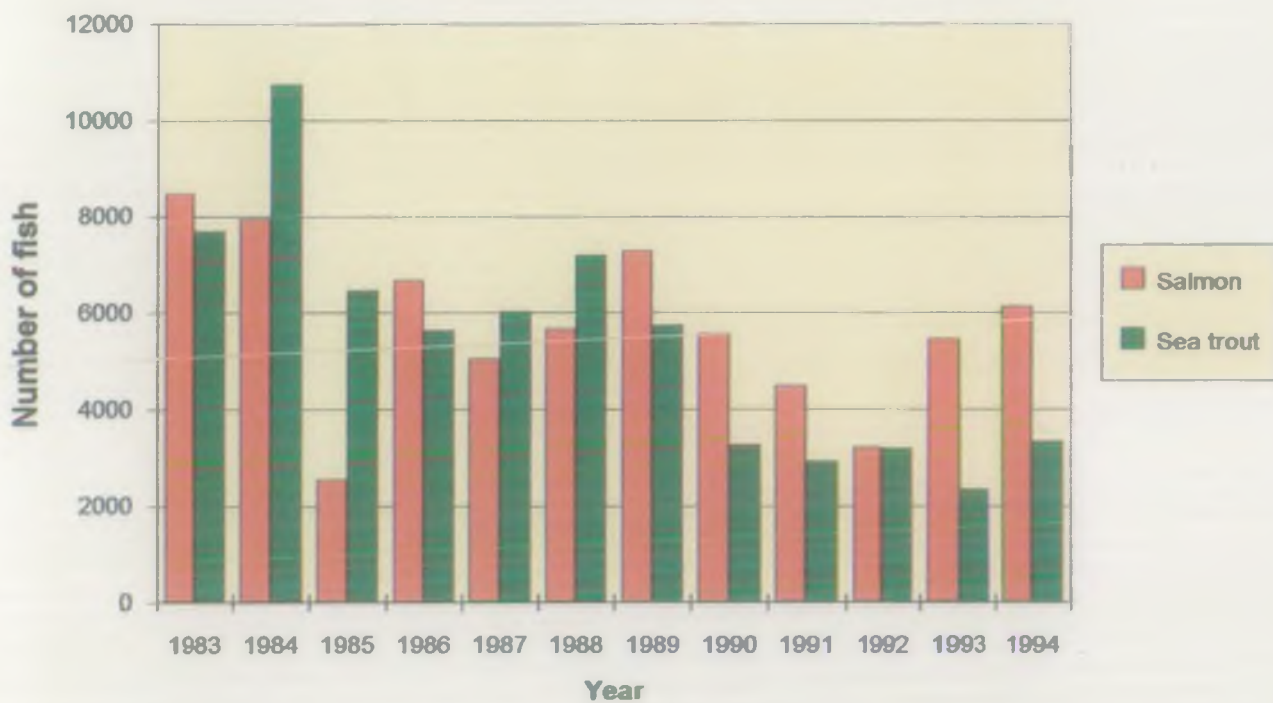


Figure 14. Reported rod catches of salmon and migratory trout, 1983-1994, Northumbria (N&Y) Region

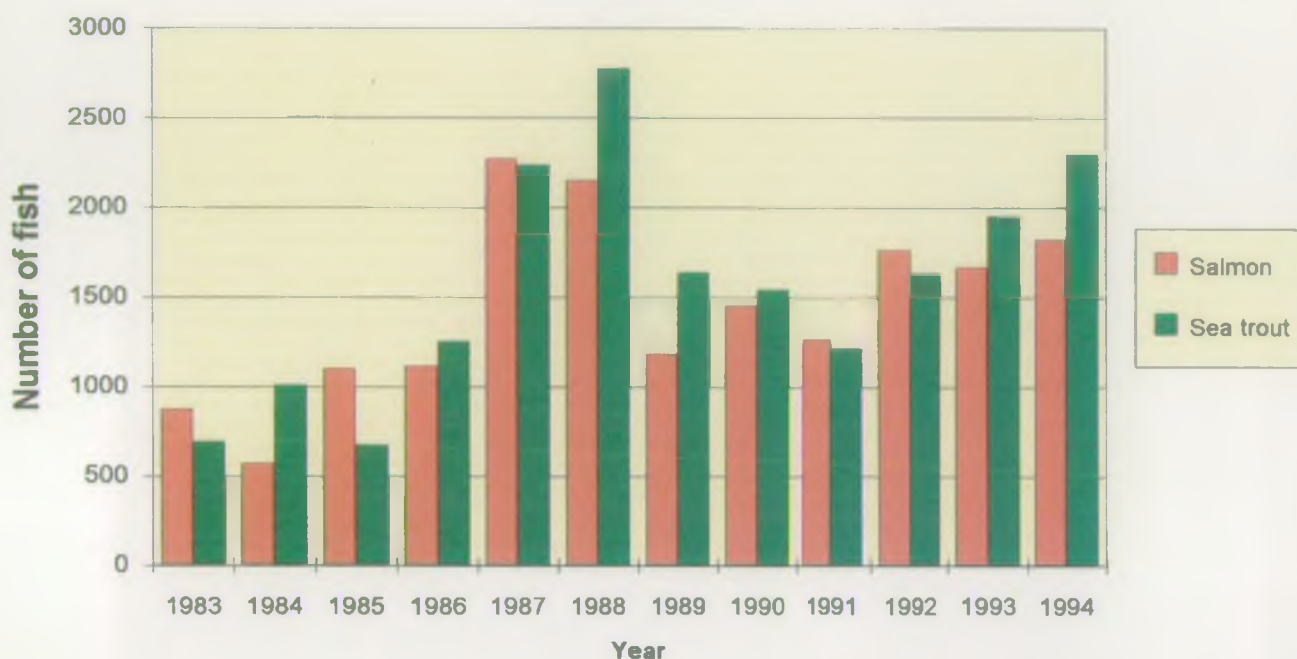


Figure 15. Reported rod catches of salmon and migratory trout, 1983-1994, Yorkshire (N&Y) Region

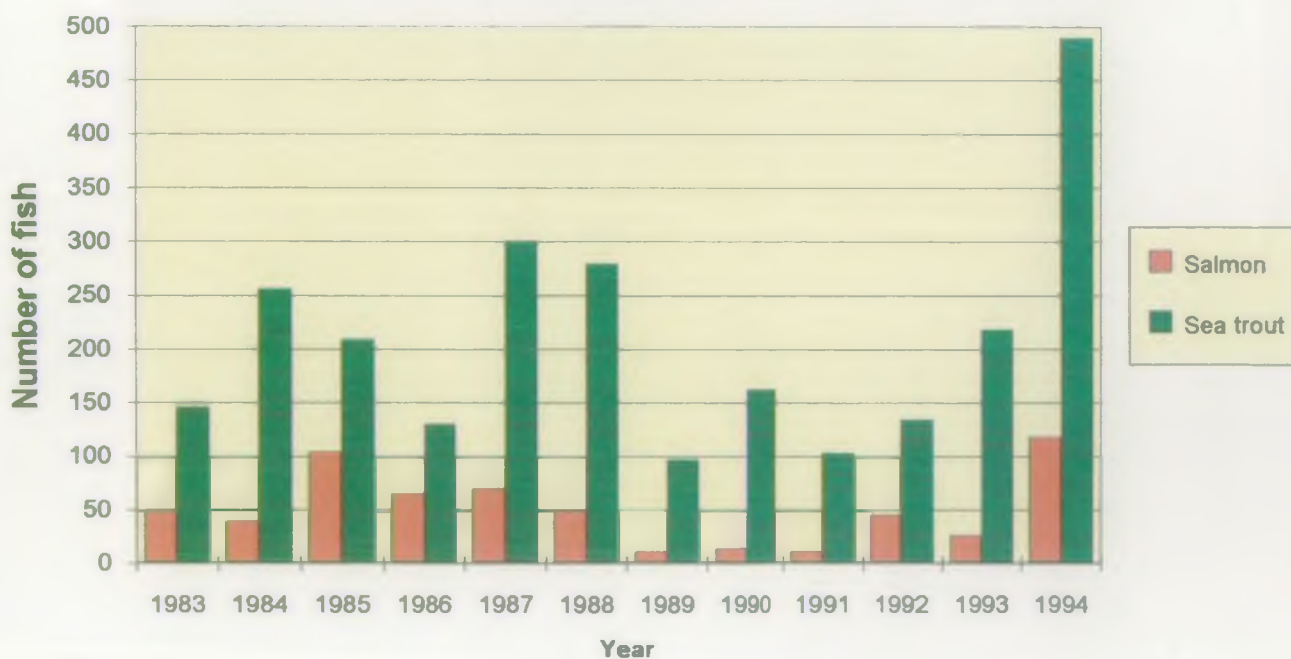


Figure 16. Reported rod catches of salmon and migratory trout, 1983-1994, Southern Region

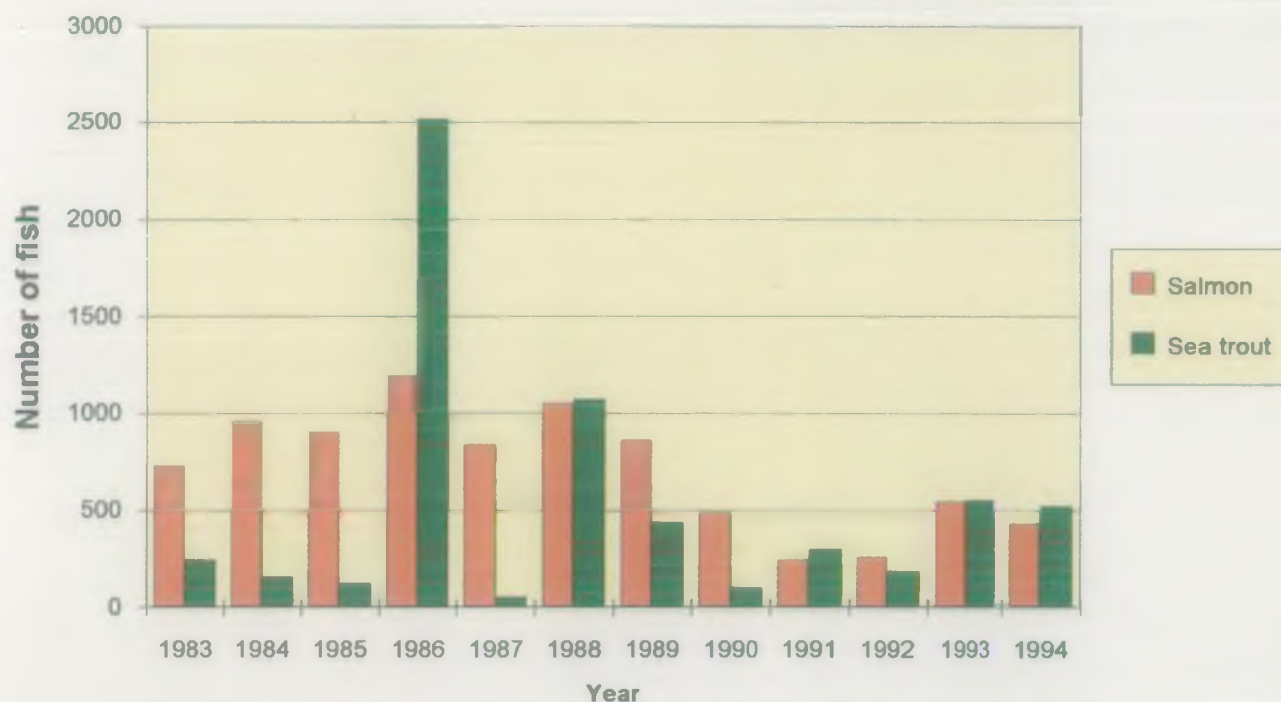


Figure 17. Reported rod catches of salmon and migratory trout, 1983-1994, Wessex (SW) Region

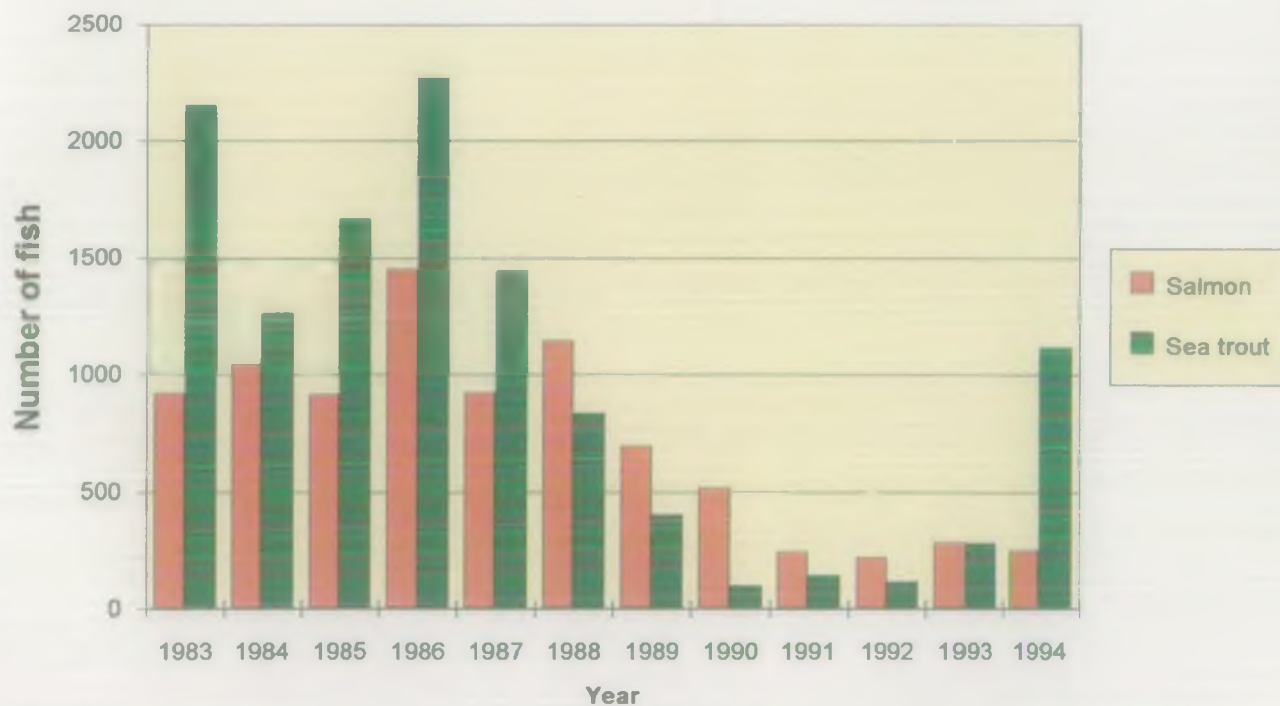


Figure 18. Reported rod catches of salmon and migratory trout, 1983-1994, South West (SW) Region

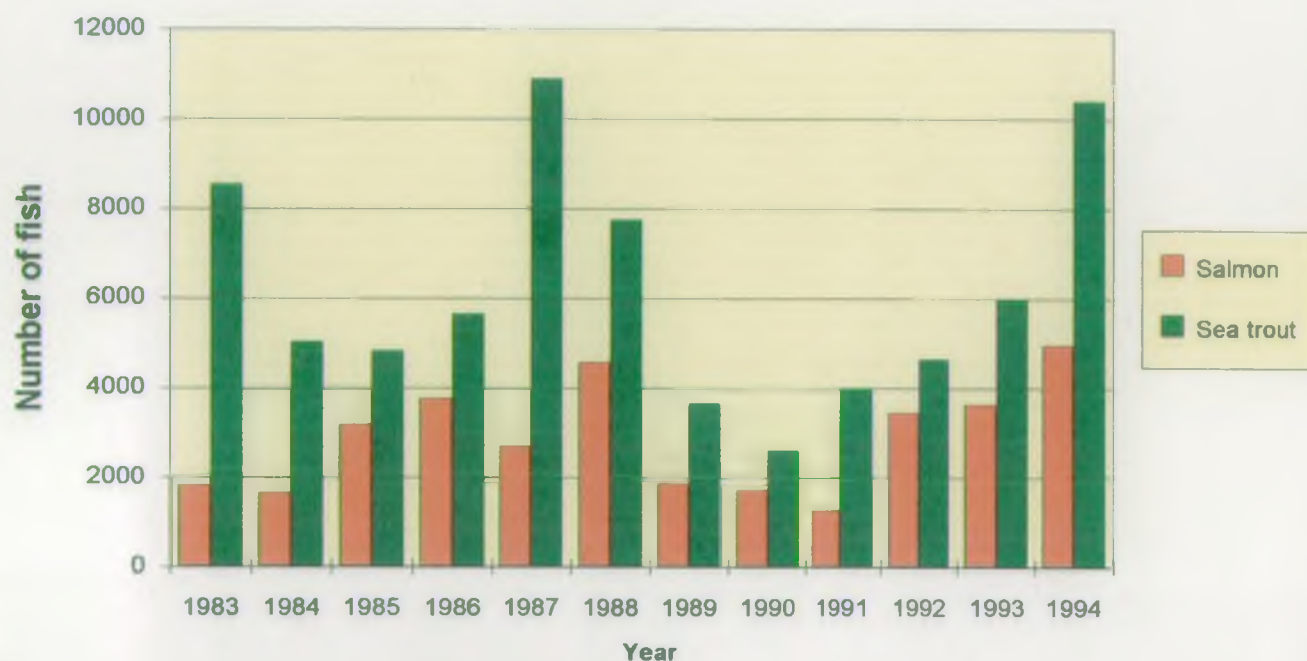


Figure 19. Reported rod catches of salmon, 1983-1994, Severn-Trent Region

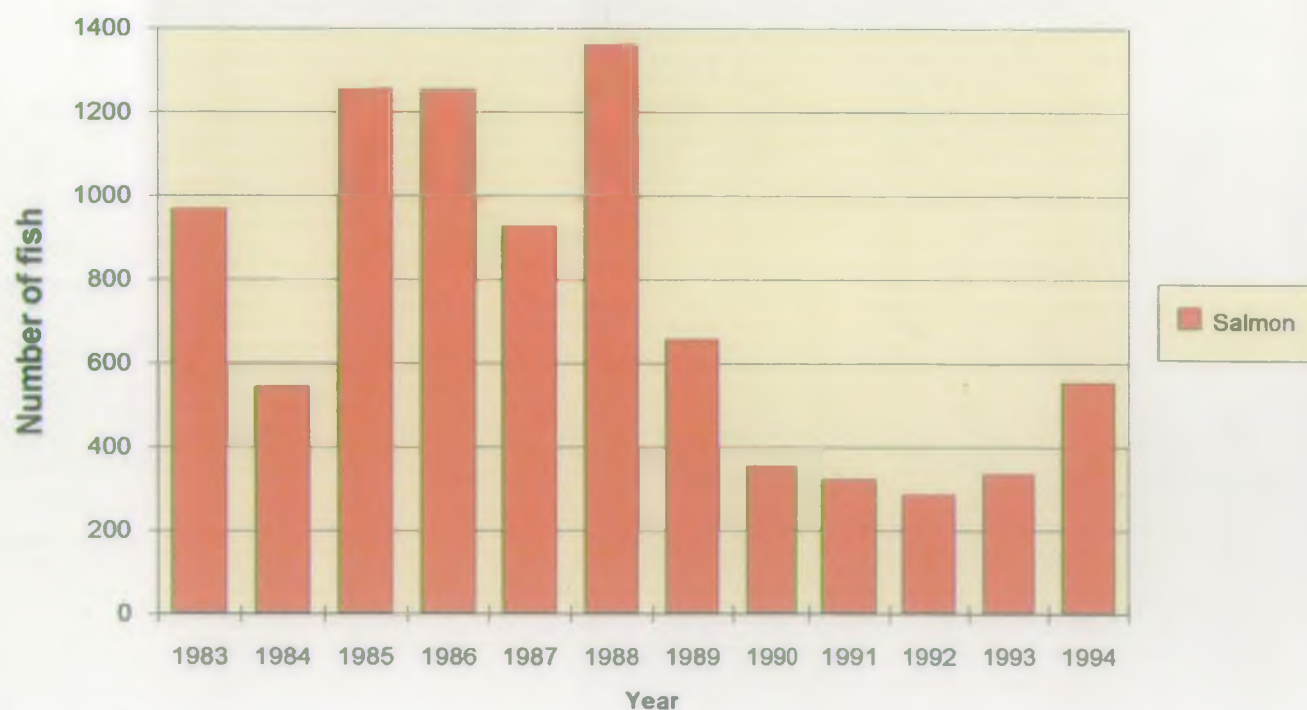


Figure 20. Reported rod catches of salmon and migratory trout, 1983-1994, Welsh Region

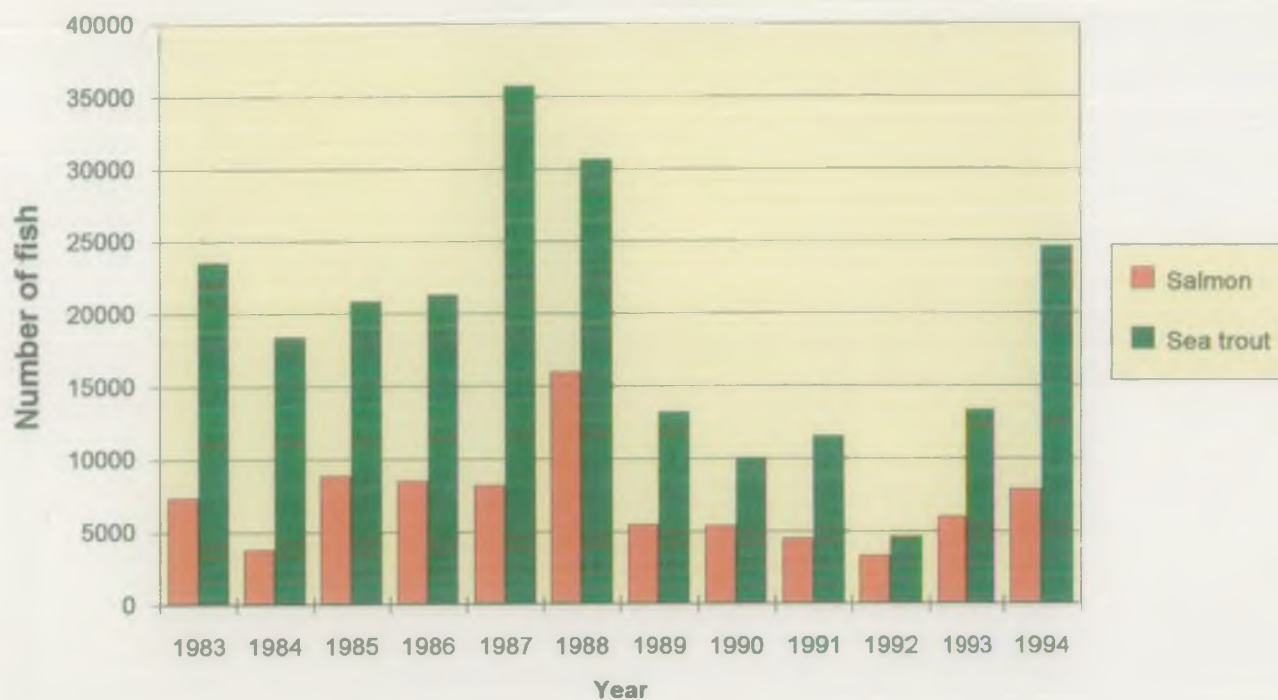


Figure 21. Reported rod catches of salmon and migratory trout, 1983-1994, North West Region

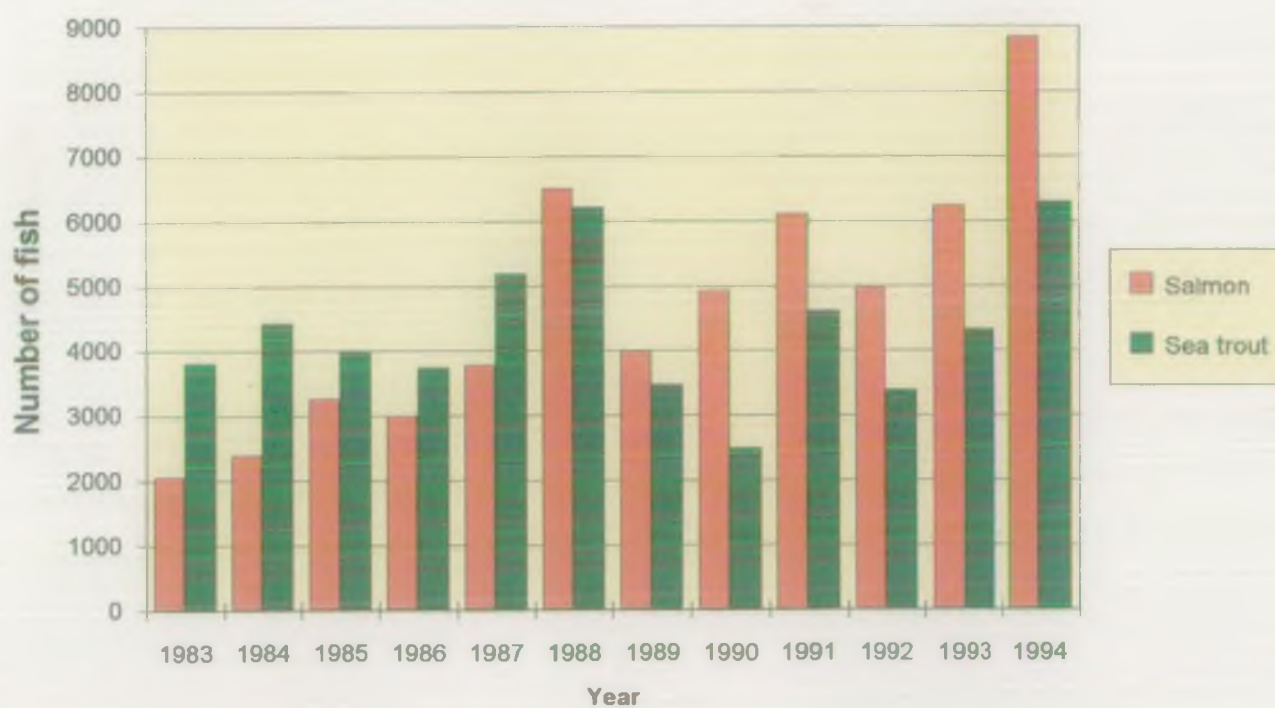


Figure 22. Reported net catches of salmon for England and Wales, 1982-1994

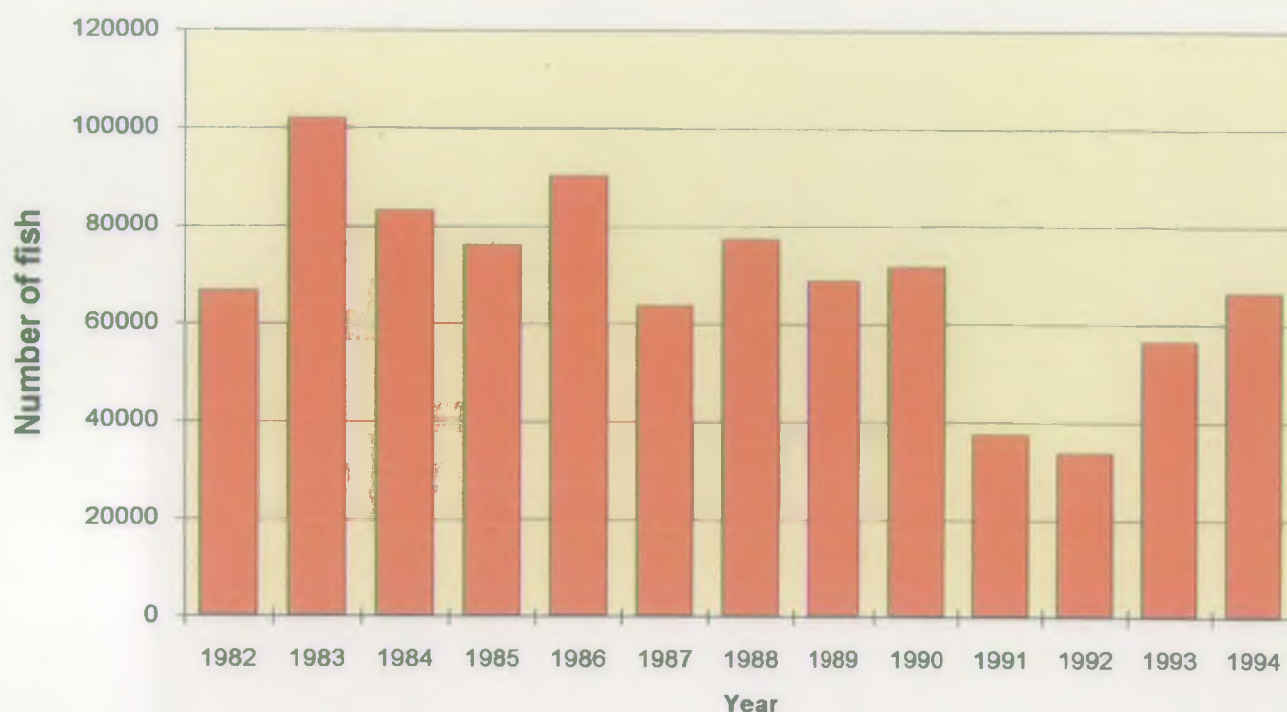


Figure 23. Reported net catches of migratory trout for England and Wales, 1982-1994

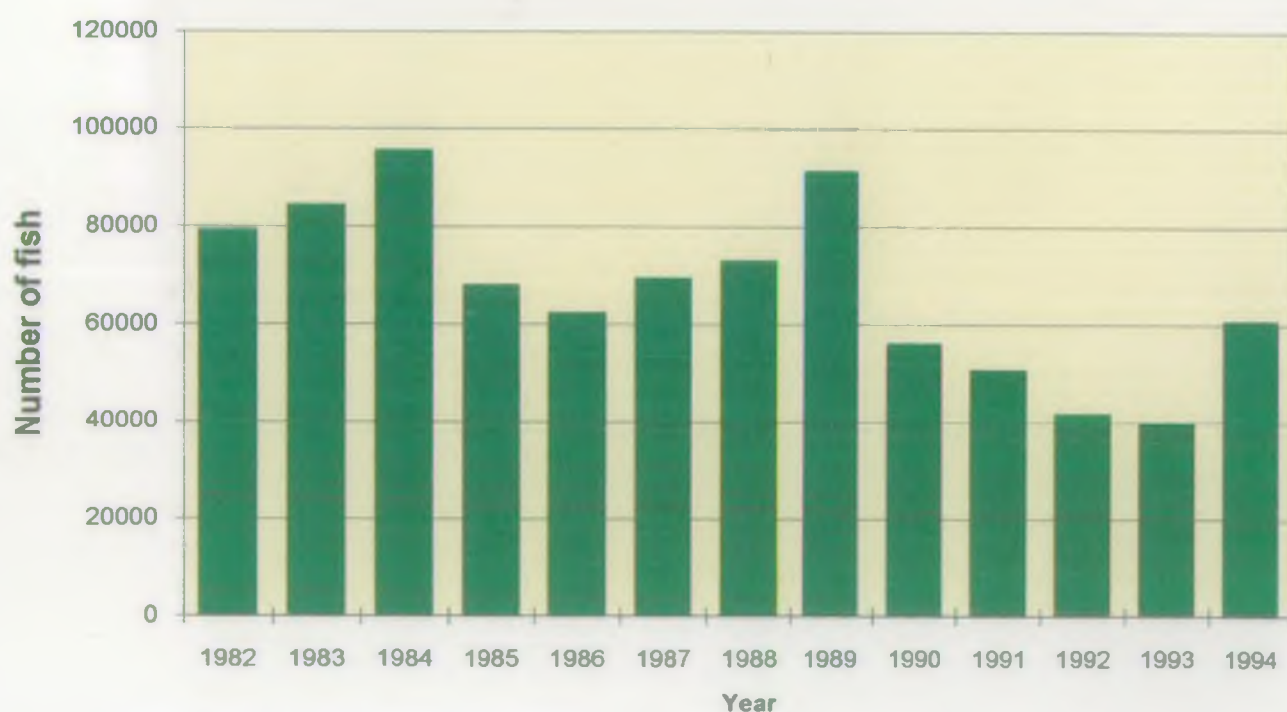


Figure 24. Reported rod catches of salmon for England and Wales, 1982-1994

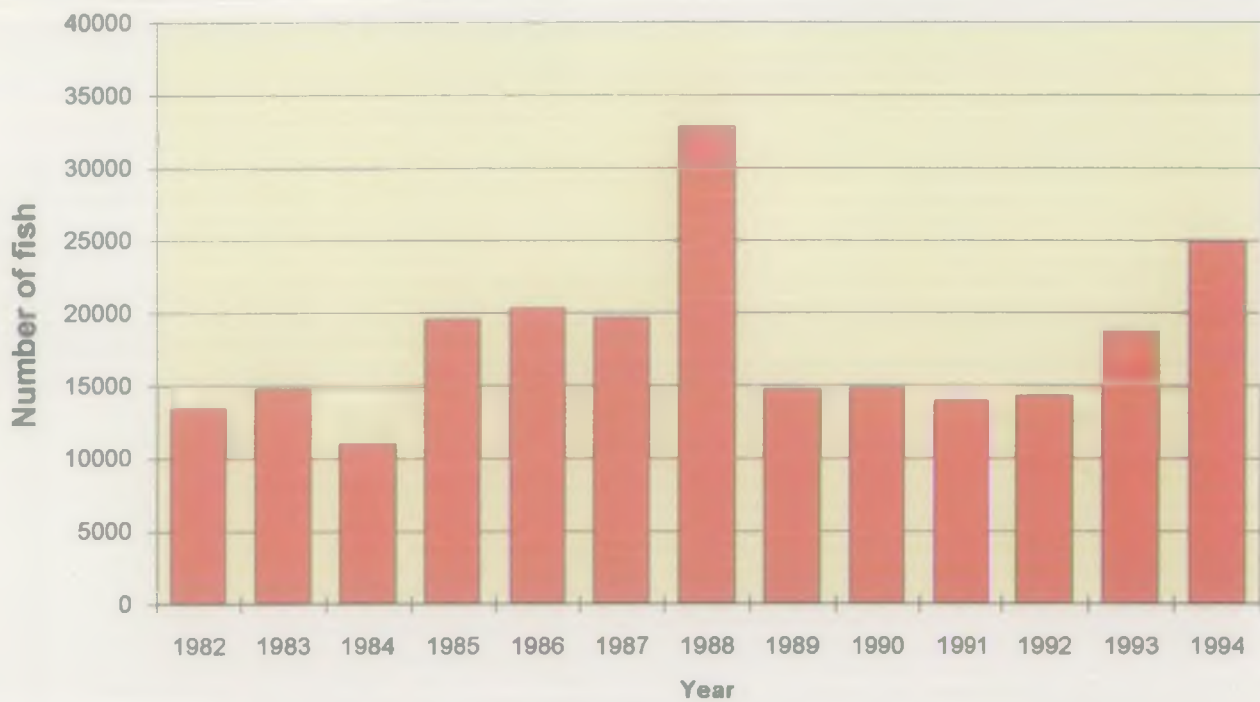


Figure 25. Reported rod catches of migratory trout for England and Wales, 1982-1994

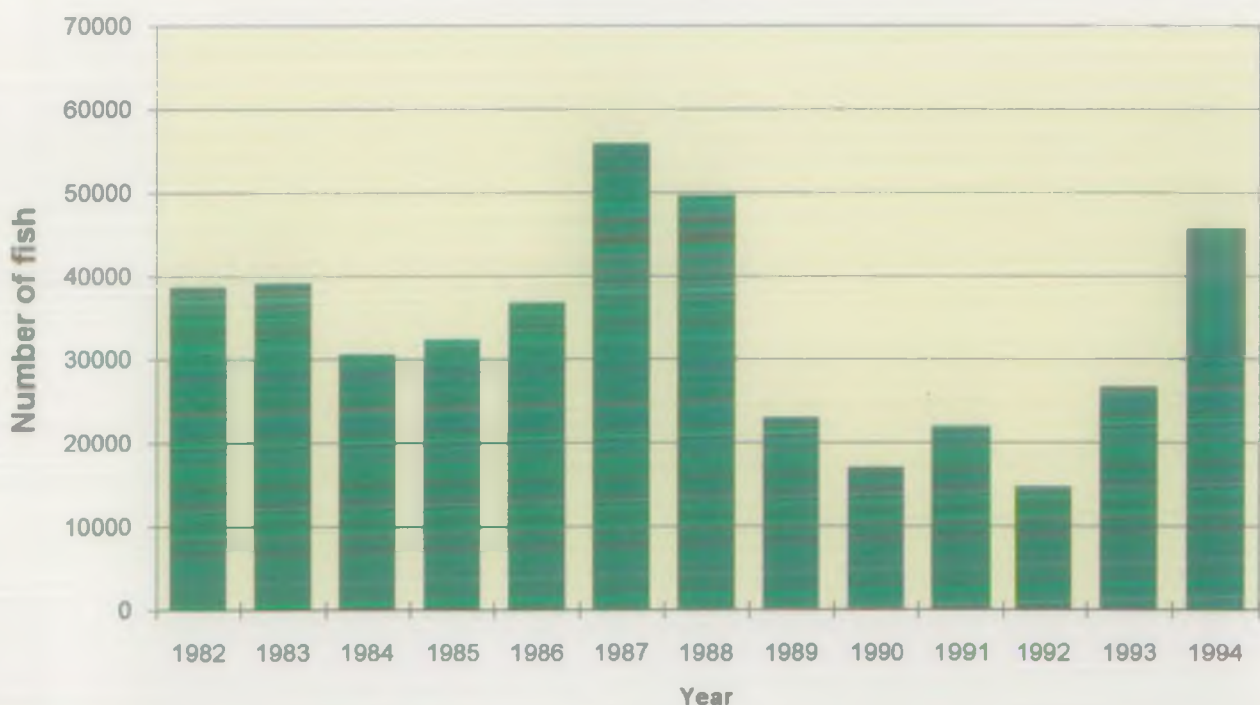
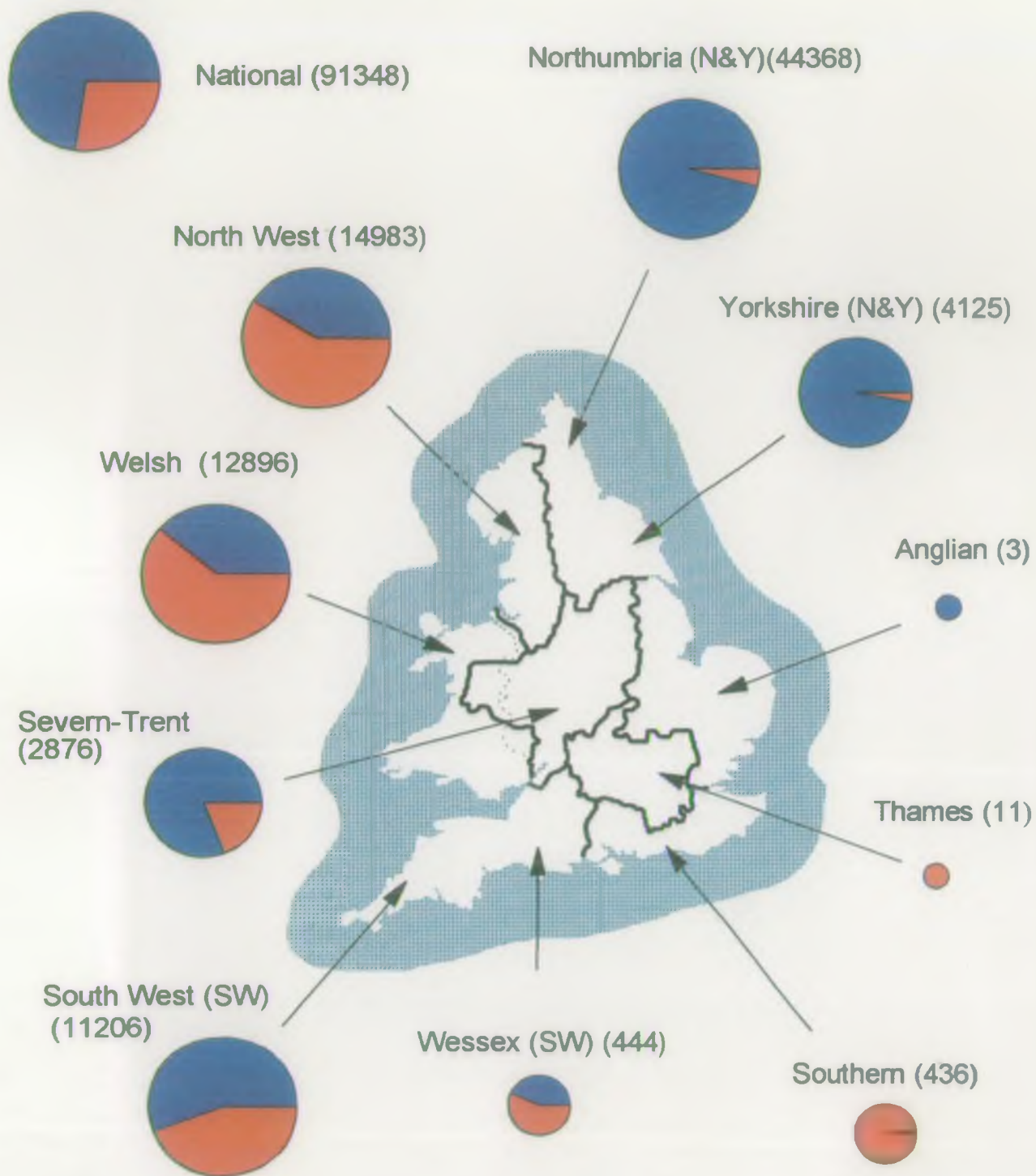


Figure 26. Salmon catches in England and Wales, 1994 season



KEY:







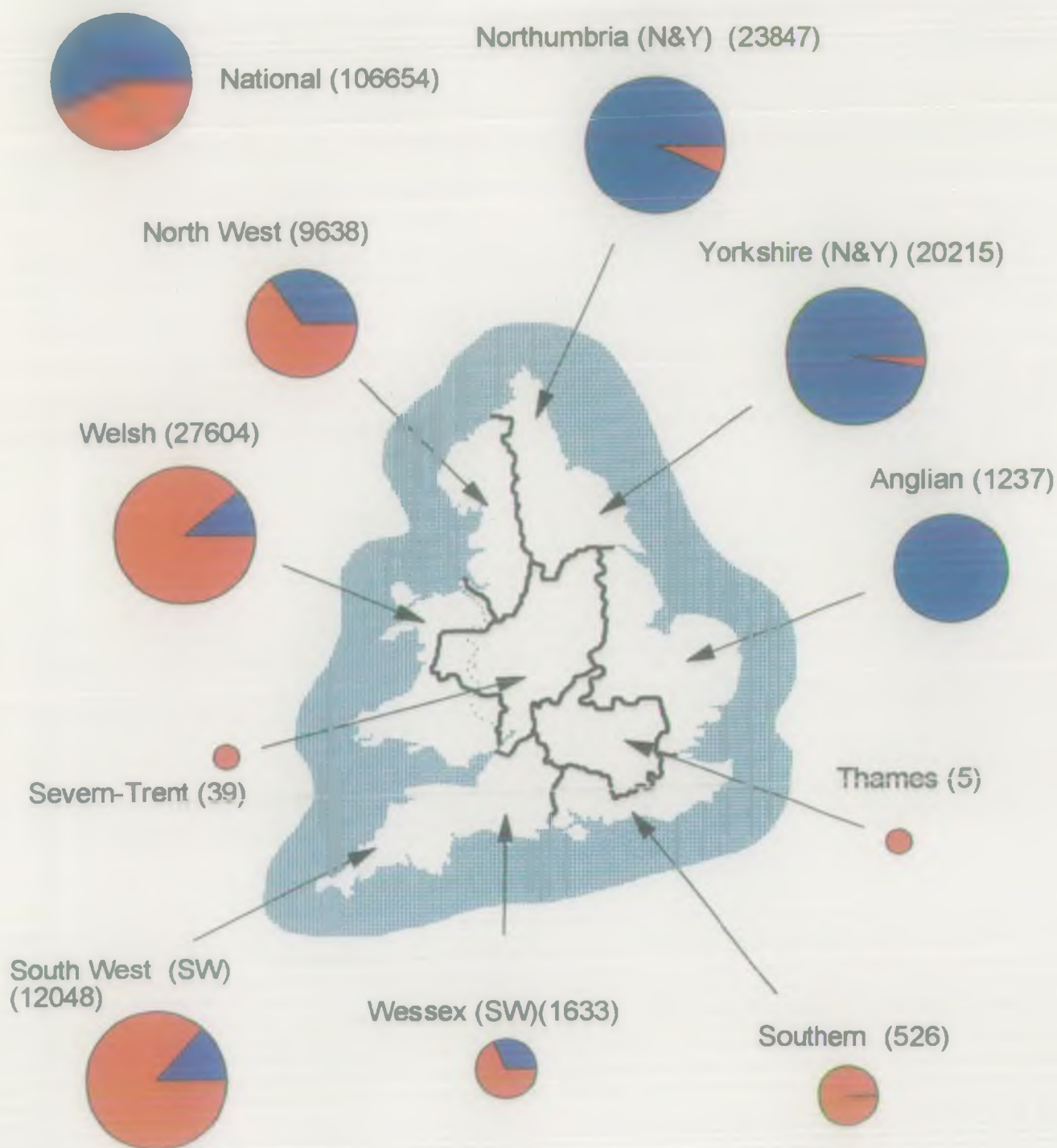
Method of capture	Number of fish			
 = Net				
 = Rod	<100	100-1,000	1,000-10,000	>10,000

Figure 27. Migratory trout catches in England and Wales, 1994 season



KEY:







Method of capture	Number of fish			
 = Net				
 = Rod	<100	100-1,000	1,000-10,000	>10,000

Figure 28. Reported rod catch rate (catch per licence-day) for salmon - 1993 & 1994.

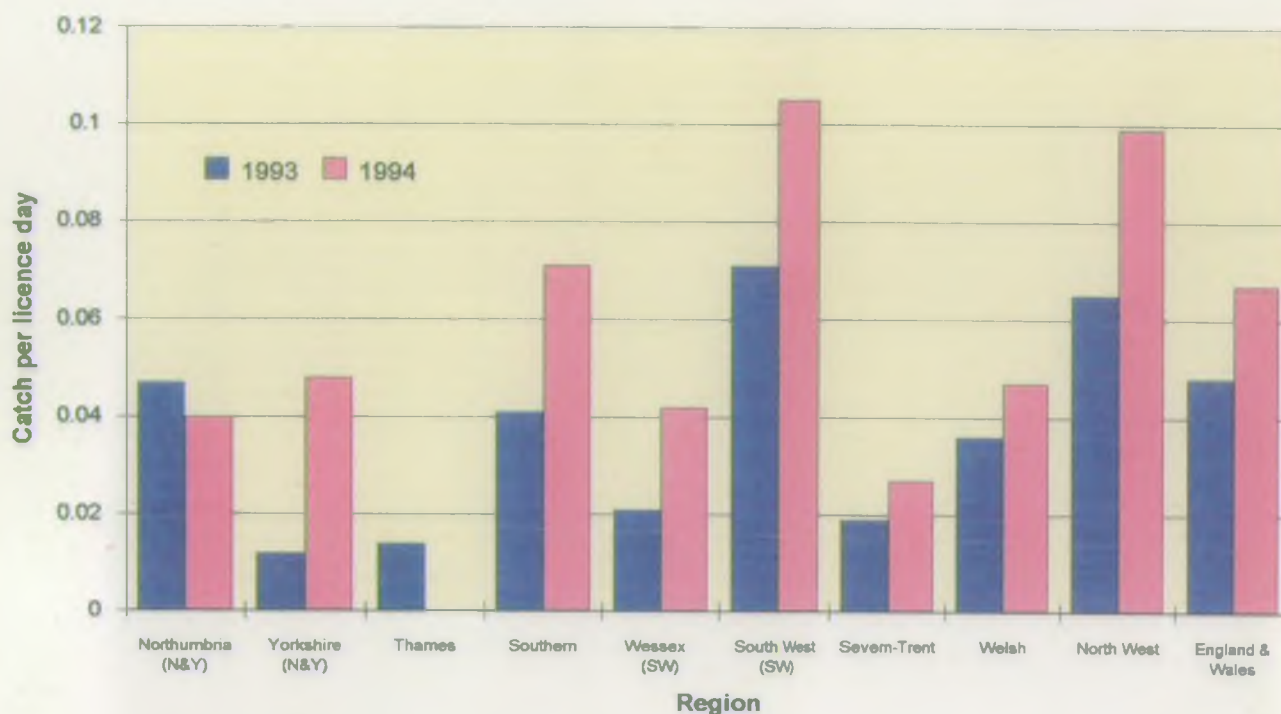


Figure 29. Reported rod catch rate (catch per licence-day) for migratory trout - 1993 & 1994.

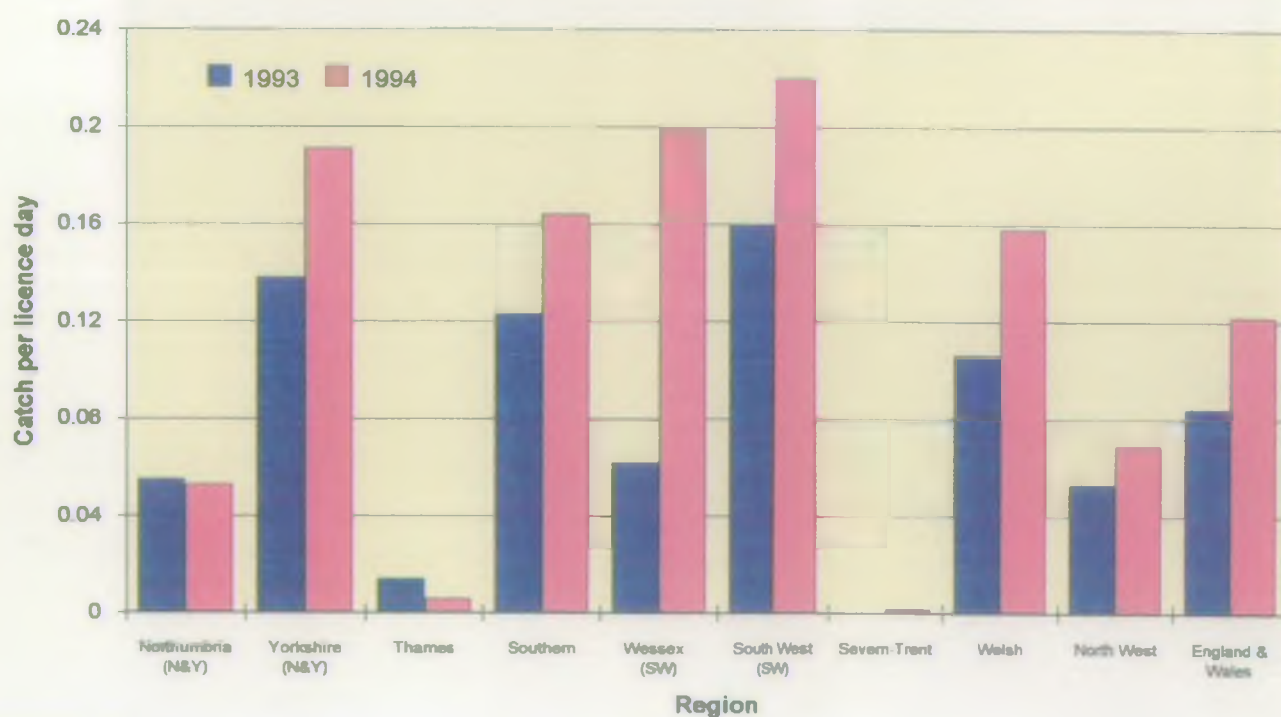


Figure 30. Average weight of rod and net caught salmon and migratory trout, 1983-1994, Northumbria (N&Y) Region

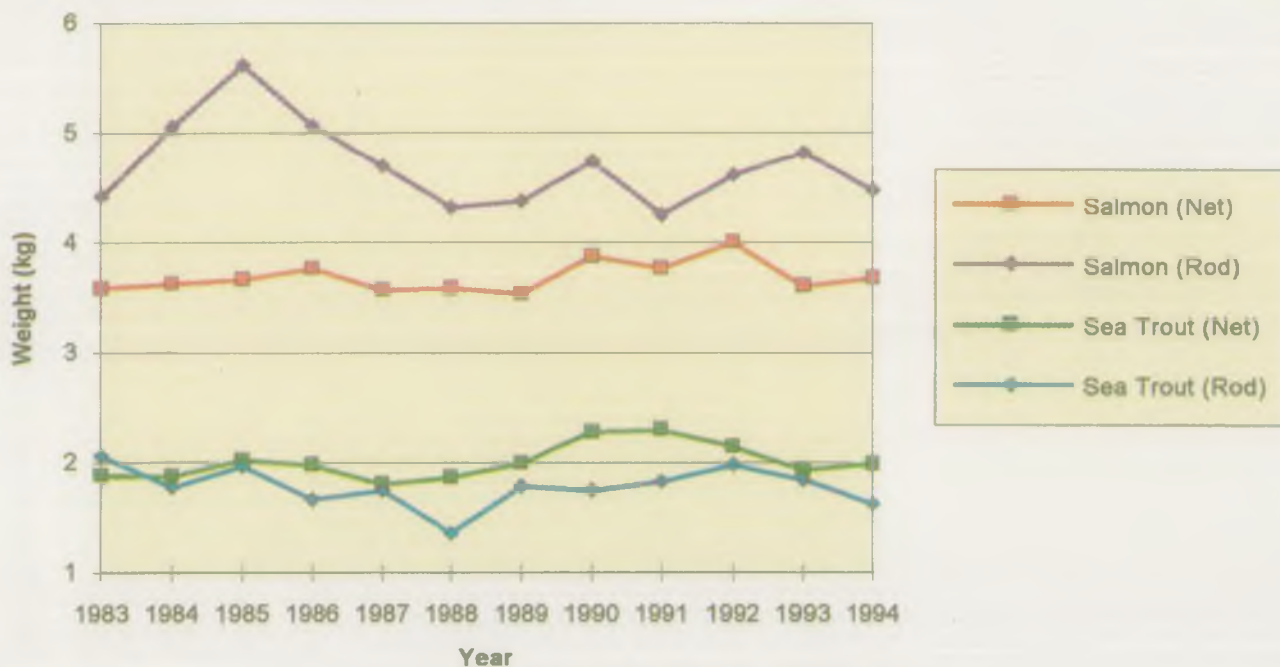


Figure 31. Average weight of rod and net caught salmon and migratory trout, 1983-1994, Yorkshire (N&Y) Region

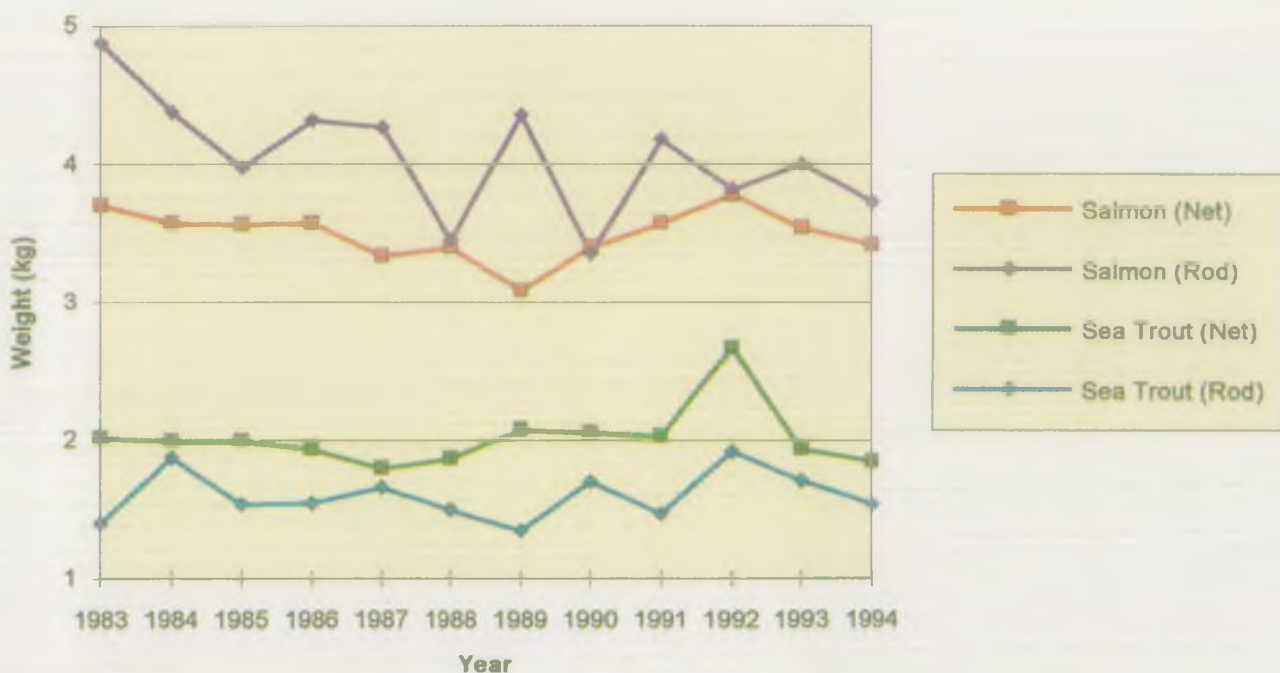


Figure 32. Average weight of rod and net caught salmon and migratory trout, 1983-1994, Southern Region

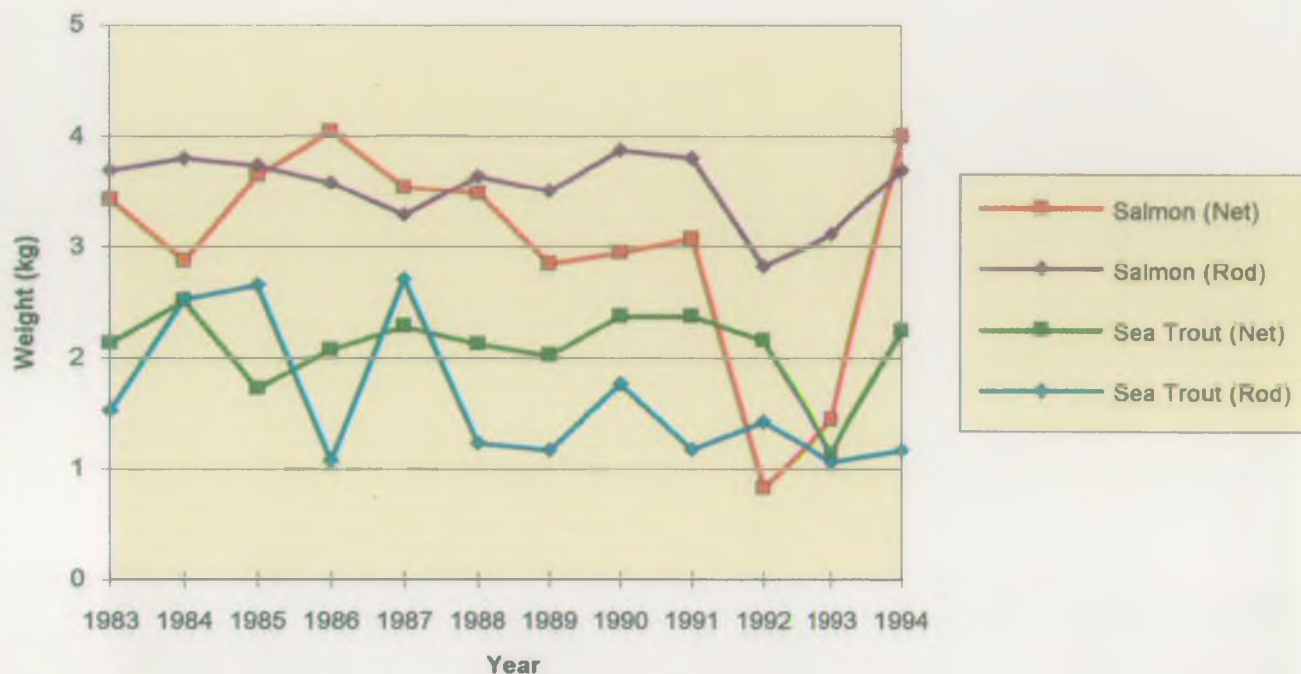


Figure 33. Average weight of rod and net caught salmon and migratory trout, 1983-1994, Wessex (SW) Region

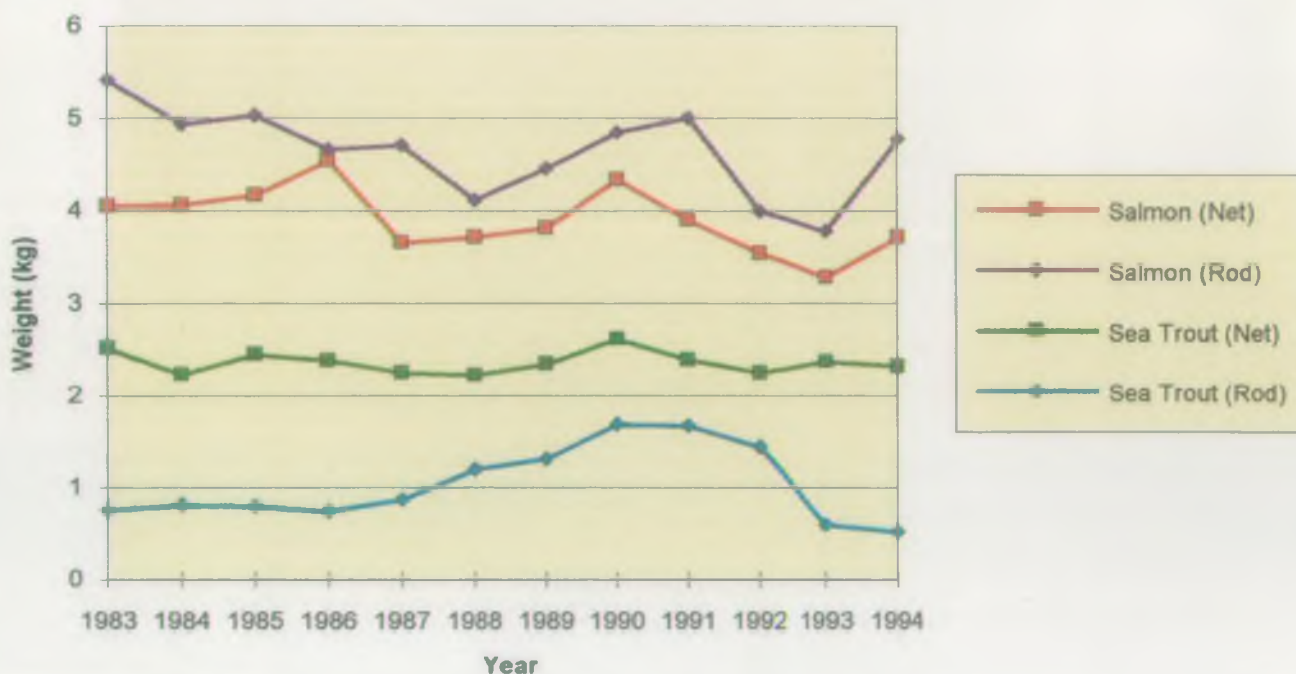


Figure 34. Average weight of rod and net caught salmon and migratory trout, 1983-1994, South West (SW) Region

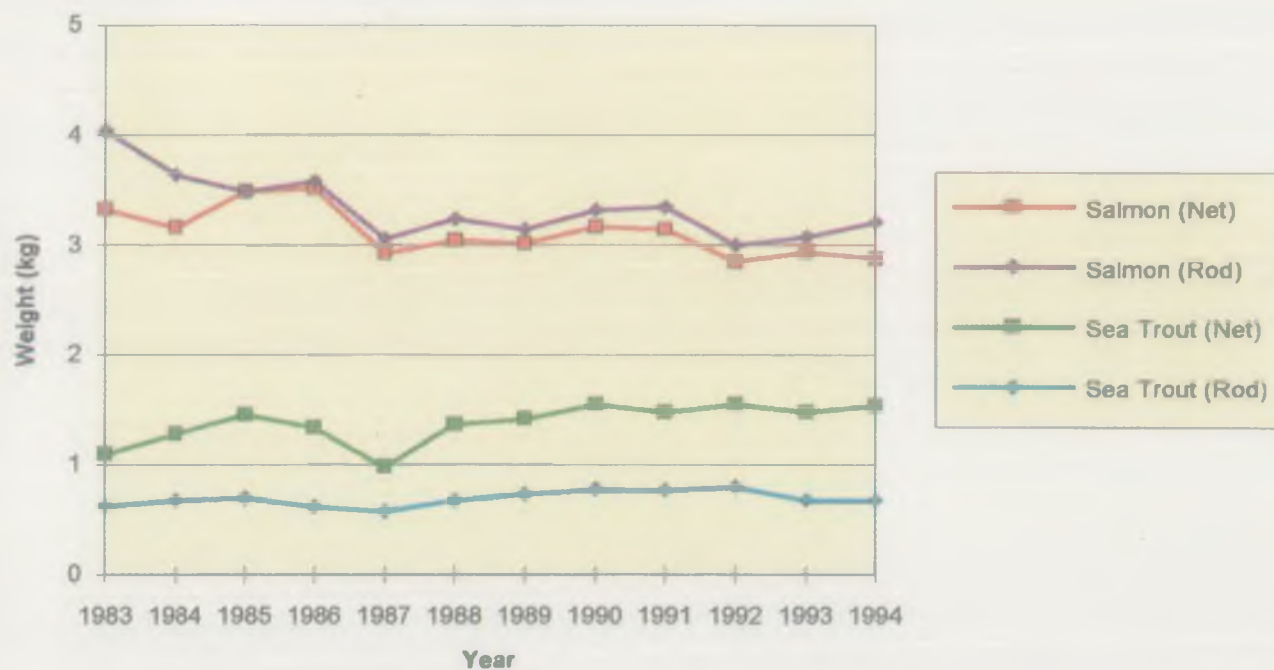


Figure 35. Average weight of rod and net caught salmon, 1983-1994, Severn-Trent Region

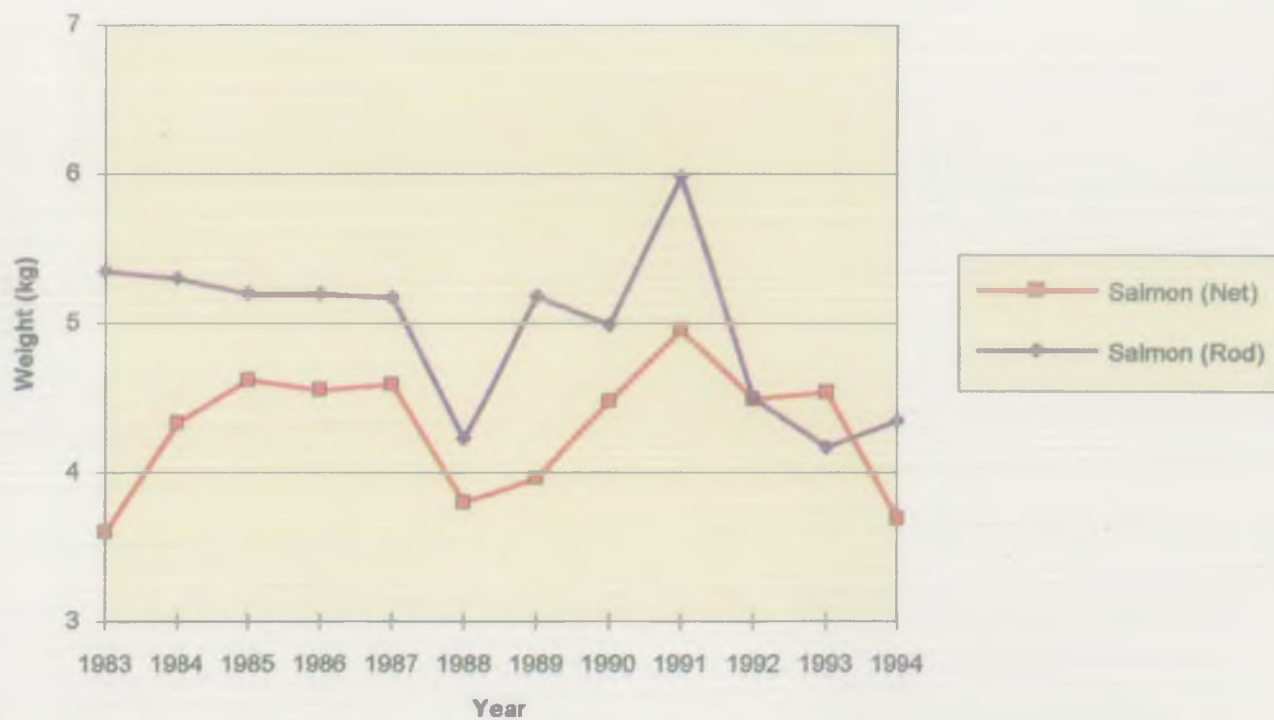


Figure 36. Average weight of rod and net caught salmon and migratory trout, 1983-1994, Welsh Region

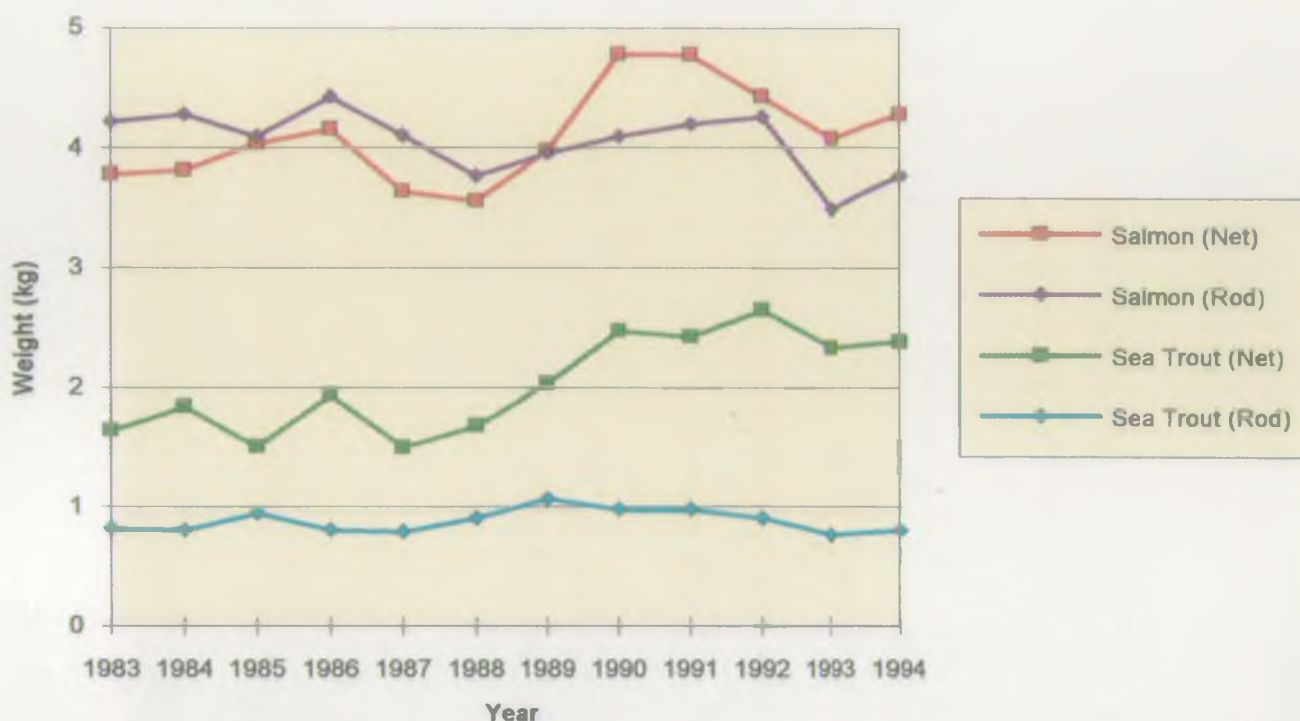


Figure 37. Average weight of rod and net caught salmon and migratory trout, 1983-1994, North West Region

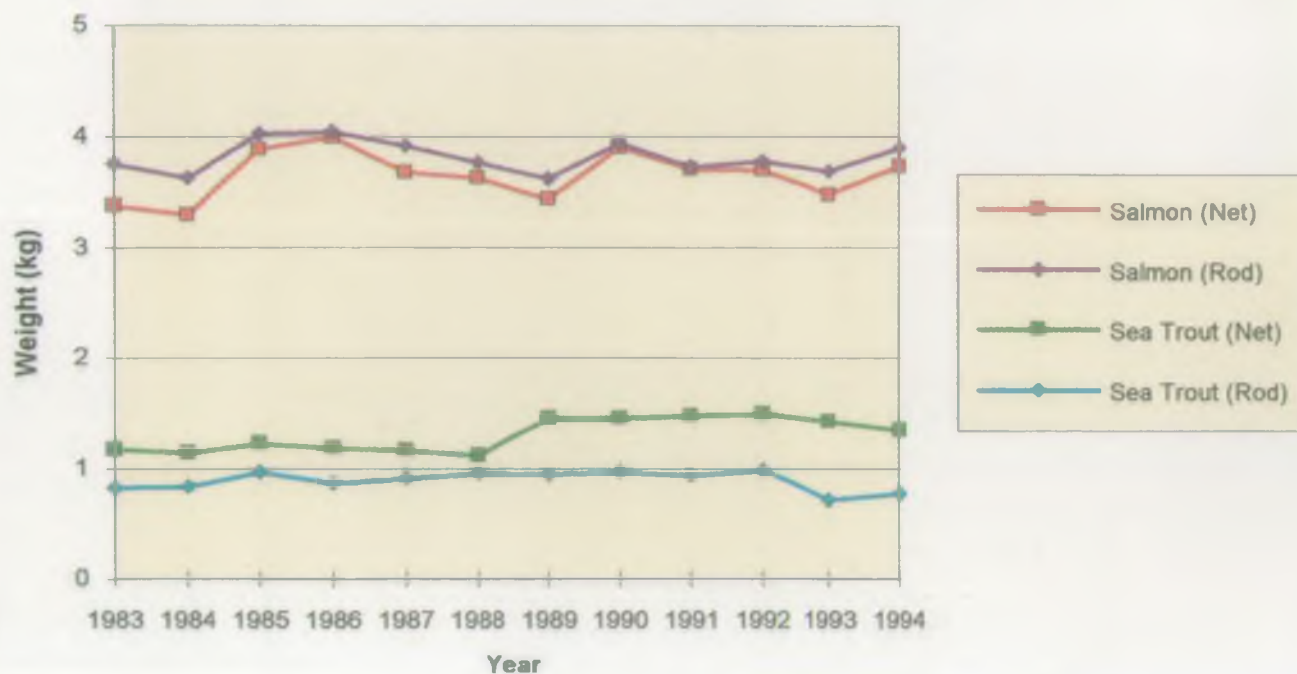


Figure 38. Proportion of reported rod caught salmon and grilse released, 1993 and 1994.

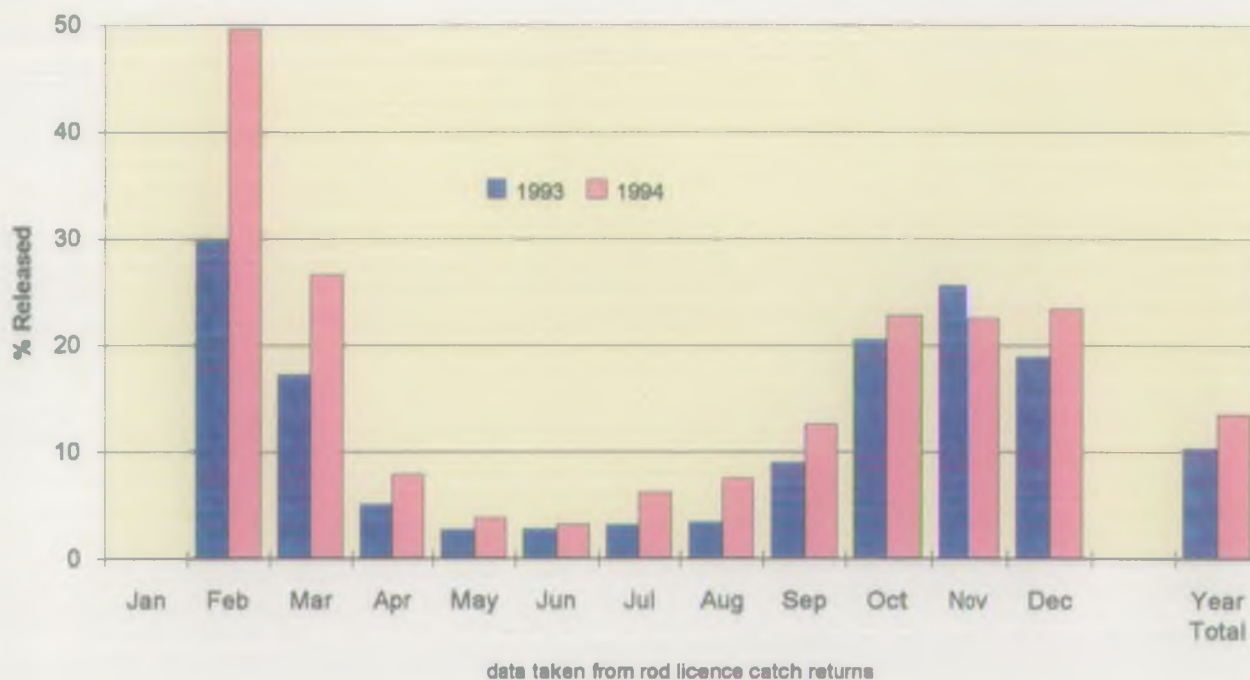
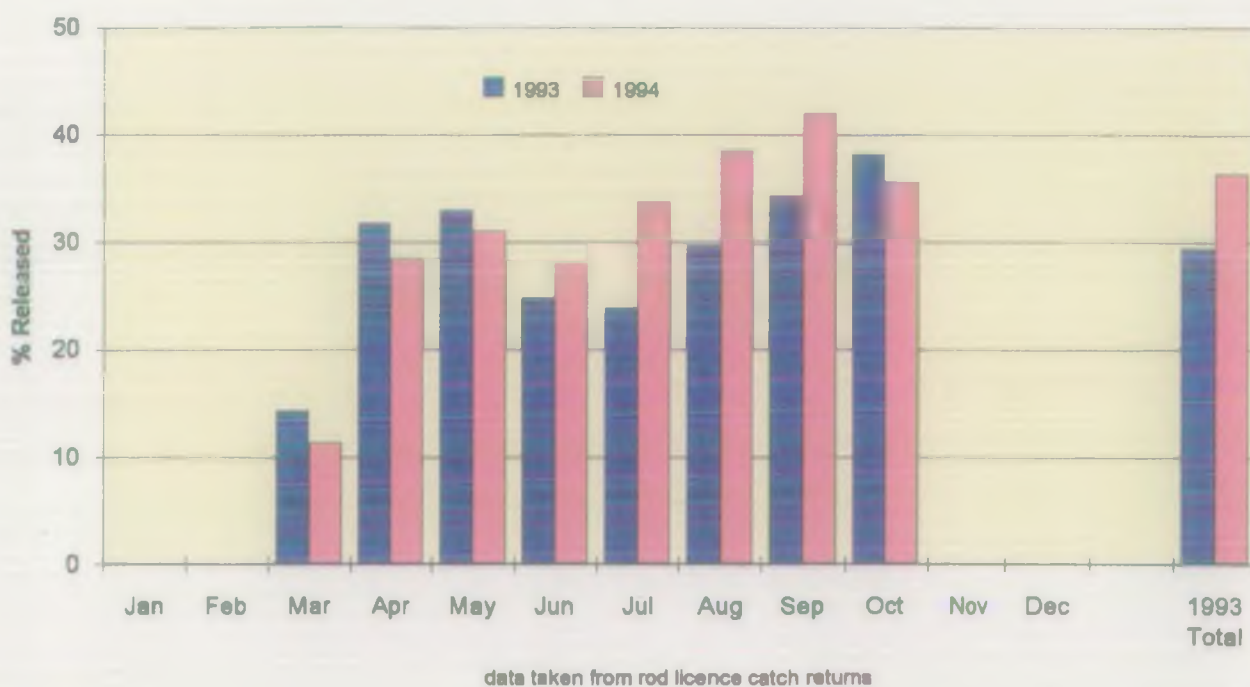


Figure 39. Proportion of reported rod caught migratory trout released, 1993 and 1994.



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Table 1 National Rivers Authority annual statistics collection procedures for 1994 - net data.

NRA Region	Return form supplied	Return prepaid	Return required	Separate reporting of salmon and grilse	Separate reporting by weight groups (not S/G)	Catch data required from licensees				Catch reported separately for each method of capture	Effort data collected
						Daily record of individual fish	Daily aggregates	Weekly aggregates	Monthly aggregates		
Northumbria (N&Y)	Yes	Yes	Monthly	Yes (\pm 7lbs)	No	-	Yes	-	-	Yes	Yes
Yorkshire (N&Y)	Yes	Yes	15 Nov	Yes (\pm 7lbs)	No	-	Yes	-	-	Yes	Yes
Anglian	Yes	Yes	Monthly	No	Yes	Yes (a)	Yes	-	-	Yes	No
Thames	----- No net fisheries for salmon or migratory trout -----										
Southern	Yes	No	30 Nov	No	Yes (b)	-	-	-	Yes	Yes	Yes
Wessex (SW)	Yes	No	15 Nov	Yes (\pm 8lbs)	No	-	-	Yes	-	Yes	No
South West (SW)	Yes	Yes	Monthly	No	No	Yes	-	-	-	Yes	No
Severn-Trent	Yes	Yes	31 Oct	No	Yes	Yes	-	-	-	Yes	Yes
Welsh	Yes	Yes	Monthly	No	Yes (c)	-	Yes	-	-	Yes	Yes
North West	Yes	Yes	Monthly	No	No	Yes	-	-	-	Yes	Yes
Key: (a) Salmon only. (b) Numbers of fish recorded for 3 weight categories, <7, 7-15, >15lbs. (c) Numbers of fish recorded in 1lb weight groups up to 20lbs. Large fish entered individually.											

Table 2 Number and value of net fishing licences issued - 1994 season.

NRA Region	Salmon and Migratory Trout					Eel		
	Fishing Method	Number (a)	Duty (£)	Number Endorsees	Value (£) (b)	Method	Number (a)	Value (£)
Northumbria (N&Y)	Coastal (N) drift and T nets	30	800.00	130	24026.00	Fyke nets	48	264.00
	Coastal (N) drift nets	31	725.00		21750.00			
	Coastal (N) T nets	1	470.00	3	470.60			
	Coastal (S) drift nets	38	725.00	57	27561.40			
	Total	100		190	73808.00			
Yorkshire (N&Y)	Coastal drift nets	15	620.00	30	9306.00	Fyke nets	(71)	351.45
	Coastal T or J nets	23	470.00	43	10810.60	Criggs (in strings) (Max. 10 pots per string)	(28)	138.60
	Total	38		73	20116.60	Total	(99)	490.05
Anglian	Drift nets	44	50.00	96	2219.20	Nets/Traps (Reg)	81	1620.00
	Other nets (various)	28	25.00	42	708.40	Nets/Traps (Dist)	1264	12640.00
	Total	72		138	2927.60	Total	1345	14260.00
Thames	Nil					Fyke nets	247	2470.00
						Traps	4	8.00
						Pair trawls	1	100.00
						Total	252	2578.00
Southern	Seine nets	2	1.00	0	2.00	Nets/Traps	103	0.00
	Total	2		0	2.00			
Wessex (SW)	Seine nets	7	147.00	14	1031.80	Fyke nets	277	1537.10
	Dip nets	2	47.50	0	94.80	Fixed traps	10	1091.20
	Putcher ranks	2		0	123.60	Elver nets	211	6963.00
	150 Putchers (units of 50)	(3)	41.20					
	Total	11		12	1250.20	Total	498	9591.30
South West (SW)	Seine nets (single river) (c)	14	120.00	-	-	Fyke nets	34	136.00
	Seine nets (single river)	74	120.00	110	8917.20	Elver dip nets	9	297.00
	Seine nets (double river)	1	190.00	6	191.20			
	Fixed Engine (Weir) Avon (d)	1	190.00	-	-			
	Fixed Engine (Trap) Lyn	1	190.00	5	191.00			
	Drift nets (Camel)	7	120.00	13	842.60			
	Total	98		134	10142.00	Total	43	433.00
Severn-Trent (e)	Lave nets (half season)	21	21.00	0	441.00	Elver dip nets	510	10200.00
	Lave nets (full season)	19	42.00	0	798.00	Elver dip nets (Concessionary)	54	270.00
	Seine nets	5	100.00	34	506.80	Gloucester eel nets	10	52.00
	Fixed Engine ranks comprising:	11		0	2704.00	Putcheons/baskets	2	13.00
	4150 Putchers (units of 50)	(100)	25.00			(Up to 20 putcheons per licence)		
	570m of leaders:					Putcheons/baskets	5	20.50
	Leaders <90m	(3)	33.00			(Per additional 20 putcheons)		
	additional 20m lengths	(11)	9.00			Fyke nets (>4m)	0	0.00
	Putt (1 fixed engine)	2	3.00			Fyke nets (2-4m)	61	274.50
	Stop net (boat)	0	60.00			Fyke nets (<2m)	41	143.50
	Topping net (R.Trent)	1	2.00		2.00	(up to 5 <2m nets per licence)		
	Drift net (R. Trent)	1	12.00		12.00	Weir trap	2	35.00
	Total	60		34	4463.80	Total	685	11008.50
Welsh	Compass nets	8	46.00	7	369.40	Elver dip nets	255	2805.00
	Coracle nets	22	Var	55	6419.00	Fixed trap	1	11.00
	Wade nets	10	Var	21	194.20	Fyke nets	231	1155.00
	Seine nets	57	Var	203	17955.60	Putcheons	116	120.00
	Drift nets (incl. sling nets)	10	695.00	14	6951.60	(20 per licence)		
	Trammel nets	4	408.00	9	1633.80			
	Lave nets	9	16.00	0	144.00			
	Putcher rank	1			700.00			
	700 Putchers (units of 50)	(14)	50.00	0				
	Fish trap-basket	1	50.00	6	51.20			
	Total	122		315	34418.80	Total	603	4091.00
North West	Haaf nets (Solway)	165	58.00	0	9570.00	Fyke nets (68)	8	902.00
	Cribs (Eden)	2	257.00	0	514.00	Dip nets	19	209.00
	Fishing Baulk (Esk)	0	287.00	0	0.00	Baskets (52)	2	49.80
	Drift nets (Cumbria Coastal)	4	288.00	13	1154.60			
	Drift nets (Ribble)	6	177.00	17	1065.40			
	Haaf nets (Lune)	26	100.00	0	2600.00			
	Drift nets (Lune)	10	288.00	21	2884.20			
	Seine net (Lune)	1	248.00	5	249.00			
	Crib (Derwent)	1	576.00	2	576.00			
	Lave nets (Kent)	8	100.00	0	800.00			
	Lave nets (Leven)	6	100.00	0	600.00			
	Total	229		58	20013.20	Total	29	1160.80

Key: (a) Numbers represent the number of licensees, except for data in parentheses which represent numbers of licensed components on which duty is paid.
(b) Value includes endorsee fees (@ £0.20 each).
(c) Taw and Torridge rehabilitation scheme in operation. Licensees paid not to fish in 1994.
(d) Licence for Avon fixed engine bought by the NRA. Not used.
(e) Salmon licence details are for R. Severn only. Eel licences apply to both Severn and Trent catchments.

Table 3 Number and value of national rod fishing licences issued - 1 April 1994 to 31 March 1995.

NRA Region	Non-migratory trout and coarse fish					Salmon and sea trout					All licences		Other types of rod licence			
	Annual	Concession	8 Day	1 Day	Total	Annual	Concession	8 Day	1 Day	Total	Total		General		Temporary	
	Duty £15.00	Duty £7.50	Duty £4.50	Duty £1.50		Duty £45.00 (a)	Duty £22.50 (a)	Duty £13.50	Duty £4.50		Number	(%)	Number	Value	Number	Value
Northumbria & Yorkshire	76906	30475	2802	16999	127182	2722	1197	308	928	5155	132337	13%	3	£17,175	22	£177
Anglian	93763	35178	6856	13656	149453	184	115	167	75	541	149994	15%	11	£1,304	49	£1,186
Thames	122206	36076	4097	21924	184303	797	290	352	388	1827	186130	19%	5	£2,658	12	£348
Southern	50028	17565	1719	8941	78253	458	204	113	134	909	79162	8%	31	£6,066	29	£469
South Western	36643	13700	2557	11076	63976	2272	1070	811	1797	5950	69926	7%	30	£3,329	25	£255
Severn-Trent	147723	54033	3856	20567	226179	1749	985	319	680	3733	229912	23%	4	£1,152	28	£1,100
Welsh	21006	10710	1541	7687	40944	4726	2923	821	1434	9904	50848	5%	1	£450	9	£74
North West	58888	22310	2582	10826	94606	4787	2162	628	1682	9259	103865	10%	7	£1,086	18	£411
Total	607163	220047	26010	111676	964896	17695	8946	3519	7118	37278	1002174	100%	92		192	
Total Value	£9,107,445	£1,650,353	£117,045	£167,514	£11,042,357	£783,150	£198,690	£47,507	£32,031	£1,061,378	£12,103,735		£33,219		£4,020	

Note: The national short term licence was increased from 7 to 8 consecutive days and the first national 1 day licence was introduced on 1 April 1994.

The introduction of the two-tier licence in 1994/95 enabled rod licence sales to be reported by licence type, ie salmon and sea trout / non migratory trout and coarse fish.

**Table 4 Annual net close seasons and weekly close times for salmon and migratory trout
- 1994 season.**

NRA Region	Area/Method	Salmon				Migratory trout (Where different)	
		Close Season		Weekly Close Time		Close Season	
		From	To	From	To	From	To
Northumbria (N&Y)		1.9	25.3 (a)	1800 Fri	0600 Mon		
Yorkshire (N&Y)	Drift net T or J net	1.9	31.1 (a) (a)	1800 Fri 2000 Fri	0600 Mon 0600 Mon	1.9	28/29.2
Anglian		1.10	31.3	0600 Sun	2400 Mon		
Thames		No commercial netting					
Southern		31.7	15.2	0600 Sat	0600 Mon		
Wessex (SW)	Somerset	30.8	16.4	0600 Sat	0600 Mon		
	Avon+Stour	31.7	1.2 *	0600 Sat	0600 Mon (b)	31.7	15.4
	Frome (part only)	31.7 *	1.4 *	0600 Sat	0600 Mon (b)	30.9	1.6
	Other	31.7	15.4 *	0600 Sat	0600 Mon (b)	31.7	15.4
South West (SW)	Avon	1.9	31.3	0600 Sat	0600 Mon		
	Axe	20.8	31.3	1800 Fri	0600 Mon		
	Camel	1.9	1.3	0600 Sat	0600 Mon		
	Dart	17.8	14.3	0600 Sat	0600 Mon		
	Exe	17.8	15.4	0600 Sat	0600 Mon		
	Upper reach	17.8	13.2	0600 Sat	0600 Mon		
	Lower reach	1.9	1.3	0600 Sat	0600 Mon		
	Fowey	1.9	1.3	0600 Sat	0600 Mon		
	Tamar District	1.9	1.3	0600 Fri	0600 Mon (c)		
	Taw+Torridge R. Lyn .	1.9	31.3	0600 Sat	0600 Mon		
	District	1.9	31.3	0600 Fri	0600 Mon		
	Teign	1.9	14.3	0600 Sat	0600 Mon		
Severn-Trent	Nets	1.9	31.1	1200 Sat	0600 Mon		
	Putts+Putchers (d)	16.8	15.4	-	-		
Welsh	Clwyd	1.9	14.3	2400 Thur	2400 Sun		
	Dee	1.9	28/29.2	2400 Thur	2400 Sun		
	Tywi+Taf	1.9	28/29.2	0600 Sat	1200 Mon		
	Usk	1.9	1.3	0600 Sat	0600 Mon		
	Wye Nets	1.9	31.1	0600 Sat	0600 Mon		
	Fixed Engines (d)	1.9	31.1	-	-		
	Other Nets	1.9	31.3	0600 Sat	0600 Mon (e)		
	Fixed Engines (d)	16.8	15.4	-	-		
North West	Solway Firth	10.9	24.2	0600 Sat	2400 Sun		
	Eden	1.9	31.3	0600 Sat	0600 Mon		
	Ellen	1.9	31.3	0600 Thur	0600 Mon		
	Other	1.9	31.3	0600 Sat	0600 Mon		

Key:

(a) From 1987 season, nightly close time (2000-0400) has also applied.

(b) Additional weekly close time between 2100-0500 Wed, Thur, and Fri applies.

(c) Weekly close times vary: 2.3-31.5 0600 Fri to 0600 Mon, 1.6-31.8 0600 Sat to 0600 Mon.

(d) No weekly close time for Fixed Engines.

(e) With the exception of weekly close times for Teifi, Nevern, E. and W. Cleddau which are as for Tywi + Taf.

* Migratory trout close seasons are as for those of salmon except where indicated by an asterisk. Variations are given in the right-hand column. Weekly close times are the same for both species.

Notes: Close seasons and weekly close times are subject to local variations; the exact dates are determined by byelaws so that an individual river's spawning time can be taken into account.
Some waters may not be open for the full duration of the season.

Table 5 Annual rod close seasons for salmon and migratory trout - 1994 season.

NRA Region	Area	Salmon		Migratory trout	
		Close Season		Close Season	
		From	To	From	To
Northumbria (N&Y)		1.11	31.1	1.11	2.4
Yorkshire (N&Y)		1.11	5.4	1.11	5.4
Anglian		29.9	28/29.2	29.9	28/29.2
Thames		1.10	31.3	1.10	31.3
Southern		3.10	16.1	1.11	30.4
Wessex (SW)	Frome and Piddle	31.8	1.3	1.11	14.4
	Other	31.8	28/29.2	1.11	14.4
South West (SW)	Avon	1.12	14.4	1.10	14.4
	R. Avon District	1.11	14.3	1.10	14.3
	Axe	1.11	14.3	1.11	14.4
	Camel	16.12	31.3	1.10	31.3
	Dart	1.10	31.1	1.10	14.3
	Exe	1.10	13.2	1.10	14.3
	Fowey	16.12	31.3	1.10	31.3
	Tamar+Plym	16.12	31.3	1.10	2.3
	R. Plym	16.12	31.3	1.10	2.3
	R. Yealm	16.12	31.3	1.10	2.3
	District	15.10	28/29.2	1.10	2.3
	Taw+Torridge	1.11	31.1	1.10	14.3
	R. Lyn District	1.10	28/29.2	1.10	14.3
	Teign	1.10	31.1	1.10	14.3
Severn-Trent		8.10	31.1	8.10	17.3
Welsh	Dee+Usk	18.10	25.1	18.10	19.3
	Wye Upper reach+Tributaries	26.10	25.1	18.10	19.3
	Lower reach	18.10	25.1	18.10	19.3
	Other	18.10	19.3	18.10	19.3
North West	Eden	15.10	14.1	16.10	30.4
	Other (a)	1.11	31.1	16.10	30.4
<p>Key: (a) Migratory trout close season differs for rivers Annas, Bleng, Esk, Mite, Irt, Calder and Ehen for which 1.11 to 30.4 applies.</p> <p>Notes: Close seasons and weekly close times are subject to local variations; the exact dates are determined by byelaws so that an individual river's spawning time can taken into consideration. Some waters may not be open for the full duration of the season.</p>					

Table 6 Monthly reported salmon and grilse catches by nets - 1994 season.

NRA Region	River/ Fishery	Fishing Method	No. Lics	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Un- Known	Total Number	Total Weight (Kg)	Av. day/ lic.	Catch/ Lic. day	
Northumbria (N&Y)	Coastal (N)	Drift nets	61 (a)	-	39	493	2803	5572	9680	8440	-	0	28807	102582	49.2	8.93	
		T nets	31 (a)	-	0	10	77	776	2477	845	-	0	4185	14314	18.7	7.22	
	Coastal (S)	Drift nets	38	-	8	40	479	2151	4444	4433	-	0	11555	39628	52.8	5.78	
		Whole area	Total	100	-	47	543	3159	8499	16581	13718	-	0	42547	156522	55.8	7.62
Yorkshire (N&Y)	Coastal	Drift nets	15	0	0	0	41	289	1270	1336	-	0	2936	10405	33.8	5.79	
		T or J nets	23	0	0	0	5	184	849	223	-	0	1071	3318	4.2	11.09	
	Whole area	Total	38	0	0	0	46	483	1919	1559	-	0	4007	13723	15.9	6.63	
Anglian	Coastal	Drift nets	44	-	-	0	0	0	0	0	0	0	0	0			
		Other nets (various)	28	-	-	0	0	1	0	0	2	0	3	9			
	Whole area	Total	72	-	-	0	0	1	0	0	2	0	3	9			
Southern	Hants area	Seine nets	2	0	0	1	1	1	1	-	-	0	4	16			
	Whole area	Total	2	0	0	1	1	1	1	-	-	0	4	16			
Wessex (SW)	Avon + Stour Poole Harbour Parrett	Seine nets	6	0	0	1	5	82	69	-	-	0	137	481			
		Seine net	1	-	-	0	8	9	3	-	-	0	18	68			
		Dip nets	2	0	0	0	0	2	4	0	-	0	6	18			
		Putter ranks	2	0	0	0	6	12	8	6	-	0	32	146			
		River total	4	0	0	0	6	14	12	6	-	0	38	184			
	Whole area	Total	11	0	0	1	17	85	84	6	-	0	193	713			
South West (SW)	Exe	Seine nets	18	0	8	7	43	388	811	175	-	0	1230	3246			
	Teign	Seine nets	10	-	0	1	30	288	325	258	-	0	882	2575			
	Dart	Seine nets	18	-	1	10	59	135	412	170	-	0	787	2423			
	Avon	Fixed Engine	1 (b)	-	-	-	-	-	-	-	-	-	-	-			
	Camel	Drift nets	7	-	0	4	7	12	35	46	-	0	104	287			
	Tavy	Seine nets	5	-	0	0	8	138	300	245	-	0	691	2117			
	Tamar	Seine nets	14	-	0	9	44	551	814	572	-	0	1990	5740			
	Tavy/Tamar	Seine net	1 (c)	-	-	-	-	-	-	-	-	-	-	-			
	Lynher	Seine nets	5	-	0	1	10	68	125	116	-	0	318	945			
	Fowey	Seine nets	4	-	0	0	6	28	83	18	-	0	113	295			
	Lyn	Fixed Engine	1	-	-	0	2	19	76	32	-	0	129	352			
	Whole area	Total	84	0	7	32	209	1803	2781	1632	-	0	6244	17980			
	Severn-Trent	Severn	Seine nets	5	0	0	0	0	14	438	61	-	0	513	1061 (e)		
Lave nets			40 (d)	2	1	5	36	82	110	87	-	0	283	1119 (e)			
Fixed Engines			14	0	0	82	341	461	505	156	-	0	1525	6390 (e)			
Whole area		Total	59	2	1	67	377	537	1053	284	-	0	2321	8570			
Welsh	Wye	Lave nets	9	-	-	0	0	0	2	2	-	0	4	9	3.4	0.13	
		Drift nets	8	-	1	15	159	504	826	392	-	0	1697	7418	81.6	2.60	
		Putter rank	1	-	-	0	46	177	157	137	-	0	517	2574	123.0	4.20	
		River total	9	-	1	15	205	681	783	529	-	0	2214	9992	88.2	2.85	
	Tywi	Seine nets	8	-	0	1	5	11	39	14	-	0	70	273	50.2	0.17	
		Coracle nets	12	-	0	6	17	24	23	26	-	0	96	373	49.2	0.16	
		River total	20	-	0	7	22	35	62	40	-	0	166	646	49.6	0.17	
	Taf	Wade net	1	-	0	0	0	2	0	0	-	0	2	11	33.0	0.06	
		Coracle net	1	-	2	4	5	8	7	4	-	0	28	104	61.0	0.46	
		River total	2	-	2	4	5	6	9	4	-	0	30	115	47.0	0.32	
	S.W.Coastal	Wade nets	9	-	-	0	0	0	3	1	-	0	4	15	5.4	0.08	
		Seine nets	7	-	-	0	5	0	6	1	-	0	12	29	6.0	0.29	
		River total	16	-	-	0	5	0	9	2	-	0	16	44	5.7	0.18	
	E+W.Cleddau	Compass nets	8	-	-	0	2	10	18	9	-	0	39	105	18.9	0.29	
		Seine net	1	-	-	0	6	19	10	2	-	0	37	175	21.0	1.78	
		Seine nets	5	-	-	0	4	55	82	90	-	0	211	921	82.8	0.87	
	Neve	Coracle nets	9	-	-	1	8	19	23	27	-	0	78	257	56.0	0.15	
		River total	14	-	-	1	12	74	85	117	-	0	289	1178	58.4	0.35	
		Seine nets	3	-	-	0	4	7	49	33	-	0	83	388	50.7	0.81	
	Dyfi	Seine net	1	-	-	0	0	0	0	0	-	0	0	0	15.0	0.00	
		Seine nets	2	-	-	0	0	1	5	1	-	0	7	23	50.0	0.07	
		Glaslyn	Seine nets	2	-	-	0	5	14	7	0	-	0	26	78	34.0	0.38
	Dwyfwr	Seine nets	2	-	-	0	1	3	9	3	-	0	16	52	11.5	0.70	
		Seine nets	2	-	-	0	0	3	34	51	-	0	88	343	27.5	1.80	
		Ogwen	Seine nets	2	-	-	0	0	15	36	39	-	0	90	345	28.0	1.61
	Conwy	Basket trap	1	-	-	0	2	5	8	12	-	0	27	84	6.0	4.50	
		Seine nets	3	-	-	0	0	11	19	33	-	0	63	243	39.7	0.53	
		River total	4	-	-	0	2	16	27	45	-	0	90	327	31.2	0.72	
	Clwyd	Sling nets	2	-	0	0	0	15	118	92	-	0	223	657	45.5	2.45	
		Trammel nets	4	-	0	0	5	42	129	242	-	0	418	2204	57.2	1.83	
		Seine nets	18	-	0	3	28	92	227	799	-	0	1149	4718	55.8	1.14	
		River total	22	-	0	3	33	134	356	1041	-	0	1567	6922	56.1	1.27	
	Whole area	Total	121	-	3	30	302	1033	1617	2010	-	0	4995	21397	40.5	1.02	
North West (f)	Ribbles	Drift nets	6	-	-	0	7	32	63	245	-	0	347	1581	81.3	0.94	
		Haaf nets	28	-	-	0	13	110	299	606	-	0	1028	3978	64.1	0.62	
		Drift nets	10	-	-	0	0	70	880	974	-	0	1924	7000	43.2	4.45	
		Seine net	1	-	-	0	2	0	0	15	-	0	17	57	20.0	0.85	
	Kent	River total	37	-	-	0	15	180	1179	1595	-	0	2969	11033	48.8	1.64	
		Lave nets	8	-	-	0	0	1	58	25	-	0	82	240	14.5	0.71	
		Lave nets	6	-	-	0	1	1	24	10	-	0	36	104	39.7	0.15	
	Derwent	Crib	1	-	-	0	0	8	19	0	-	0	27	84	9.0	3.00	
		Drift nets	4	-	-	0	0	0	151	310	-	0	461	1715	30.5	3.78	
		Haaf nets	185	-	-	-	-	-	-	-	-	-	-	-	-		
	Eden + Esk (g)	Cribs	2	-	-	-	-	-	-	-	-	-	-	-	-		
		River Total	187	-	0	2	48	170	767	1113	121	0	2221	8250	33.9	0.39	
		Whole area	Total	229	-	0	2	71	392	2259	3298	121	0	6143	22887	37.7	0.71
England and Wales													68457	241917			

Key: (a) Separate licences for drift and T nets were issued for the first time in the northern area in 1993.
(b) Licence purchased by NRA South Western region but was not used.
(c) Catches included under Tavy and Tamar as appropriate.
(d) Figures for half- and full-season lave nets combined.
(e) Mean weights used for all weight categories, from scale-reading sub-sample.
(f) Effort data for the NRA North West region are measured as catch per licence-bite not catch per licence-day.
(g) Catch by method not disclosed for reasons of confidentiality.

Notes: A dash is used to denote months that fall entirely within the annual close season.
Percentage return rates for all net fisheries can be regarded as 100% unless otherwise specified by a footnote.

Table 7 Monthly reported migratory trout catches by nets - 1994 season.

NRA Region	River/ Fishery	Fishing Method	No. Lics	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Un- known	Total Number	Total Weight (kg)	Av. day/ Lic.	Catch/ Lic. day	
Northumbria (N&Y)	Coastal (N)	Drift nets	61 (a)	-	4	77	618	1871	2300	1982	-	0	6850	16331	49.2	2.28	
		T nets	31 (a)	-	0	63	633	3485	5790	2845	-	0	12816	20475	18.7	22.11	
	Coastal (S)	Drift nets	38	-	2	67	601	2557	4268	4249	-	0	11744	25676	52.6	5.88	
	Whole area	Total	100	-	6	207	1850	7913	12358	9076	-	0	31410	62482	55.8	5.63	
Yorkshire (N&Y)	Coastal	Drift nets	15	-	0	8	127	1470	1789	1263	-	0	4657	9252	33.8	9.19	
		T or J nets	23	-	0	8	402	5168	8905	2586	-	0	15069	27235	4.2	155.99	
	Whole area	Total	38	-	0	16	529	6638	8694	3849	-	0	19728	36487	15.9	32.85	
Anglian	Coastal	Drift nets	44	-	-	0	44	192	286	228	187	0	917	1578			
		Other nets (various)	28	-	-	42	48	82	26	42	80	0	320	408			
		Total	72	-	-	42	92	274	312	270	247	0	1237	1984			
Southern	Hants area	Seine nets	2	0	0	1	2	1	0	-	-	0	4	9			
	Whole area	Total	2	0	0	1	2	1	0	-	-	0	4	9			
Wessex (SW)	Avon + Stour	Seine nets	6	-	-	2	31	198	274	-	-	0	505	1187			
	Poole Harbour	Seine net	1	-	-	0	4	6	1	-	-	0	11	34			
	Parrett	Dip nets	2	0	0	0	0	0	0	0	-	0	0	0			
		Putchers	2	0	0	0	0	0	0	0	-	0	0	0			
		River total	4	0	0	0	0	0	0	0	-	0	0	0			
	Whole area	Total	11	0	0	2	35	204	275	0	-	0	516	1201			
South West (SW)	Exe	Seine nets	18	0	0	5	3	9	3	1	-	0	21	28			
	Teign	Seine nets	10	-	1	17	196	337	80	11	-	0	642	984			
	Dart	Seine nets	18	-	8	68	143	148	121	7	-	0	491	776			
	Avon	Fixed Engine	1 (b)	-	-	-	-	-	-	-	-	-	-	-			
	Camel	Drift nets	7	-	0	1	7	10	5	6	-	0	29	55			
	Tavy	Seine nets	4	-	0	5	43	61	3	0	-	0	112	143			
	Tamar	Seine nets	14	-	1	14	44	70	41	0	-	0	170	261			
	Tavy/Tamar	Seine net	1 (c)	-	-	-	-	-	-	-	-	-	-	-			
	Lynher	Seine nets	5	-	0	3	16	14	1	0	-	0	34	55			
	Fowey	Seine nets	4	-	0	21	42	26	0	0	-	0	89	125			
	Lyn	Fixed Engine	1	-	-	0	1	46	4	1	-	0	52	106			
	Whole area	Total	83	0	8	134	495	719	258	26	-	0	1640	2533			
	Welsh	Usk	Drift nets	8	-	0	1	3	9	4	4	-	0	21	64	81.6	0.03
			Putcher rank	1	-	-	0	1	4	1	0	-	0	6	13	123.0	0.05
		River total	9	-	0	1	4	13	5	4	-	0	27	77	86.2	0.03	
Tywi		Seine nets	8	-	2	31	178	134	38	9	-	0	388	954	50.2	0.97	
		Coracle nets	12	-	2	100	238	279	60	12	-	0	691	1813	49.2	1.17	
		River total	20	-	4	131	414	413	98	21	-	0	1079	2767	49.6	1.09	
Taf		Wade net	1	-	0	0	0	2	0	2	-	0	4	5	33.0	0.12	
		Coracle net	1	-	2	44	55	47	6	0	-	0	154	388	81.0	2.52	
		River total	2	-	2	44	55	49	6	2	-	0	158	403	47.0	1.68	
S.W.Coastal		Wade nets	9	-	-	0	1	0	2	2	-	0	5	6	5.4	0.10	
		Seine nets	7	-	-	0	4	0	5	8	-	0	17	36	6.0	0.40	
		River total	16	-	-	0	5	0	7	10	-	0	22	42	5.7	0.24	
E+W.Cledrau		Compass nets	8	-	-	0	2	9	3	4	-	0	18	21	16.9	0.13	
Nevern		Seine net	1	-	-	1	19	64	14	0	-	0	98	240	21.0	4.67	
Teifi		Seine nets	5	-	-	0	79	192	34	5	-	0	310	642	62.8	0.99	
		Coracle nets	9	-	-	4	91	159	40	16	-	0	310	574	56.0	0.62	
		River total	14	-	-	4	170	351	74	21	-	0	620	1216	58.4	0.76	
Dyfi		Seine nets	3	-	-	0	16	270	33	2	-	0	321	834	50.7	2.11	
Dysynni		Seine net	1	-	-	0	0	0	4	1	-	0	5	8	15.0	0.33	
Mawddach		Seine nets	2	-	-	0	0	2	1	1	-	0	4	7	50.0	0.04	
Glaslyn		Seine nets	2	-	-	0	6	35	23	0	-	0	64	136	34.0	0.94	
Dwyfawr		Seine nets	2	-	-	0	13	75	10	3	-	0	101	296	11.5	4.39	
Seiont/Gwyrffai		Seine nets	2	-	-	0	0	7	19	8	-	0	34	76	27.5	0.62	
Ogwen		Seine nets	2	-	-	0	0	19	21	4	-	0	44	120	28.0	0.79	
Conwy		Fish Trap	1	-	-	0	0	0	0	0	-	0	0	0	6.0	0.00	
		Seine nets	3	-	-	0	0	5	9	0	-	0	14	24	39.7	0.12	
		River Total	4	-	-	0	0	5	9	0	-	0	14	24	31.2	0.11	
Chwyd		Sling nets	2	-	0	0	0	169	152	8	-	0	329	805	45.5	3.62	
Dee		Trammel nets	4	-	0	0	0	11	15	2	-	0	28	48	57.2	0.12	
		Seine nets	18	-	0	0	1	22	20	10	-	0	53	111	55.8	0.05	
		River total	22	0	0	0	1	33	35	12	-	0	81	159	58.1	0.07	
Whole area		Total	112	0	8	181	705	1514	512	101	-	0	3019	7231	43.5	0.62	
North West (d)		Ribble	Drift nets	8	-	-	0	0	22	35	13	-	0	70	188	61.3	0.19
	Lune	Haaf nets	28	-	-	1	41	852	445	33	-	0	1172	1657	64.1	0.70	
		Drift nets	10	-	-	0	3	73	62	9	-	0	147	331	43.2	0.34	
		Seine net	1	-	-	0	0	0	0	0	-	0	0	0	20.0	0.00	
		River total	37	-	-	1	44	725	507	42	-	0	1319	1988	48.8	0.73	
	Kent	Lave nets	8	-	-	0	0	0	1	0	-	0	1	3	14.5	0.01	
	Leven	Lave nets	8	-	-	0	0	0	7	0	-	0	7	12	39.7	0.03	
	Derwent	Crib	1	-	-	0	0	0	0	0	-	0	0	0	9.0	0.00	
	S&W Cumbria	Drift nets	4	-	-	0	0	0	0	0	-	0	0	0	30.5	0.00	
	Eden + Esk (e)	Haaf nets	165	-	-	-	-	-	-	-	-	-	-	-	-		
		Cribs	2	-	-	-	-	-	-	-	-	-	-	-	-		
		River Total	187	-	0	0	132	1110	664	39	1	0	1946	2323	33.9	0.34	
	Whole area	Total	229	-	0	1	176	1857	1214	94	1	0	3343	4512	37.7	0.39	
	England and Wales													60895	116439		

Key: (a) Separate licences for drift and T nets were issued for the first time in the northern area in 1993.
(b) Licence purchased by NRA South West region but was not used.
(c) Catches included under Tavy and Tamar as appropriate.
(d) Effort data for the NRA North West region are measured as catch per licence-day not catch per licence-day.
(e) Catch by method not disclosed for reasons of confidentiality.

Notes: A dash is used to denote months that fall entirely within the annual close season.
Percentage return rates for all net fisheries can be regarded as 100% unless otherwise specified by a footnote.
Migratory trout are not caught on the Wyre or Severn and these licences are not included.

Table 8 Monthly reported rod catches of salmon and grise by principal rivers - 1994 season.

NRA Region	River	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Un- Known	Total Number	Total Weight (kg)
Northumbria (N&Y)	Aln	-	0	0	2	0	0	0	0	1	0	-	-	0	3	6
	Coquet	-	7	11	12	30	17	24	22	59	89	-	-	23	294	1094
	Tyne	-	25	44	77	49	41	26	88	350	559	-	-	8	1267	6059
	Wear	-	5	3	5	4	5	4	8	51	116	-	-	7	208	795
	Tees	-	3	7	2	5	0	2	4	4	11	-	-	0	38	167
	Other	-	0	0	0	0	1	1	2	2	5	-	-	0	11	42
	Total	-	40	65	98	88	64	57	124	467	780	-	-	38	1821	8163
Yorkshire (N&Y)	Esk	-	-	0	1	1	2	1	19	40	54	-	-	0	118	440
Thames	Thames	-	-	-	0	0	0	1	1	9	-	-	-	0	11	38
Southern	Test (a)	0	0	0	3	21	44	72	56	45	5	-	-	0	246	921
	Itchen (a)	0	0	0	0	9	31	58	44	40	1	-	-	0	183	671
	Others	0	0	0	0	0	0	2	1	0	0	-	-	0	3	6
	Total	0	0	0	3	30	75	132	101	85	6	-	-	0	432	1598
Wessex (SW)	Avon (a)	-	0	0	2	14	19	42	12	-	-	-	-	0	89	407
	Piddle (a)	-	-	0	0	2	2	6	0	-	-	-	-	0	10	44
	Frome (a)	-	-	0	3	27	50	45	27	-	-	-	-	0	152	749
	Total	-	0	0	5	43	71	93	39	-	-	-	-	0	251	1200
South West (SW)	Exe	-	2	11	22	37	129	183	103	896	-	-	-	83	1466	4051
	Teign	-	9	11	25	49	49	25	48	152	-	-	-	15	383	1263
	Dart	-	7	4	9	13	19	18	49	193	10	-	-	4	326	1095
	Avon	-	-	-	0	1	10	6	7	5	19	23	-	0	71	250
	Plym	-	-	-	1	0	0	0	1	2	11	13	32	3	63	264
	Tavy	-	-	0	4	0	0	3	13	122	46	-	-	2	190	635
	Tamar	-	-	2	31	79	87	114	90	255	138	-	-	24	820	2695
	Lynher	-	-	0	5	4	9	15	7	55	14	-	-	3	112	372
	Fowey	-	-	-	0	4	9	19	16	42	30	56	38	8	222	744
	Camel	-	-	-	1	1	13	14	15	51	81	131	93	8	408	1680
	Taw	-	-	10	30	33	18	34	20	214	-	-	-	4	363	1212
	Torridge	-	-	2	21	29	16	19	24	154	-	-	-	5	270	948
	Lyn	-	0	3	2	17	31	66	33	53	5	-	-	1	211	551
	Others	-	0	0	0	0	0	5	11	20	13	3	4	1	57	167
	Total	-	18	43	151	267	390	521	437	2214	367	226	167	161	4962	15927
Severn-Trent	Severn	-	1	21	48	127	90	55	46	91	35	-	-	17	531	2342
	Teme	-	0	3	2	7	1	3	2	1	3	-	-	2	24	73
	Total	-	1	24	50	134	91	58	48	92	38	-	-	19	555	2415
Welsh	Wye (a)	0	0	5	141	526	510	327	118	362	349	-	-	0	2338	10065
	Usk	1	6	22	35	136	116	70	128	404	110	-	-	40	1068	3697
	Taff	-	-	0	5	2	7	12	5	24	15	-	-	17	87	245
	Ogmore	-	-	0	0	3	6	9	17	30	7	-	-	1	73	209
	Afan	-	-	0	0	0	3	5	2	9	0	-	-	0	19	49
	Neath	-	-	0	1	7	7	7	7	20	3	-	-	0	52	160
	Tawe	-	-	1	2	3	8	23	48	83	21	-	-	0	189	618
	Loughor	-	-	0	0	4	3	1	1	1	3	-	-	0	13	41
	Tywi	-	-	4	19	36	43	42	122	462	128	-	-	40	896	3353
	Taf	-	-	0	12	15	6	7	17	73	23	-	-	0	153	554
	E+V.Cleddau	-	-	7	11	2	3	8	8	37	9	-	-	1	86	281
	Nevern	-	-	0	0	2	6	10	10	26	10	-	-	5	69	225
	Tefl	-	-	2	17	28	25	47	70	397	147	-	-	3	736	2784
	Aeron	-	-	0	1	0	1	0	0	3	3	-	-	0	8	27
	Rheidol	-	-	0	1	0	3	4	7	18	13	-	-	0	46	126
	Dyfi	-	-	0	0	1	10	12	51	158	42	-	-	0	274	910
	Dysynni	-	-	0	3	0	0	0	3	7	3	-	-	0	16	50
	Mawddach	-	-	7	3	2	13	24	83	114	37	-	-	8	291	1029
	Arto	-	-	0	0	0	1	1	5	1	0	-	-	0	8	18
	Dwyrdd	-	-	0	2	1	1	0	5	13	5	-	-	2	29	90
	Glaslyn	-	-	0	5	5	9	7	0	12	6	-	-	3	47	136
	Dwyfawr	-	-	0	0	0	1	4	14	16	10	-	-	0	45	130
	Llyfni	-	-	0	0	1	1	5	6	12	8	-	-	0	33	113
	Gwyrfa	-	-	0	0	0	0	0	0	2	3	-	-	0	5	19
	Seiont	-	-	0	0	0	0	0	1	15	15	-	-	0	31	110
	Ogwen	-	-	0	0	0	0	4	14	54	38	-	-	1	111	353
	Conwy	-	-	5	3	2	7	18	30	115	46	-	-	0	226	763
	Chwyd	-	-	0	5	8	11	8	10	86	38	-	-	1	167	518
	Dee	0	6	4	38	33	37	39	54	321	185	-	-	12	729	2921
	Others	0	0	0	0	1	5	4	2	29	11	-	-	4	56	168
	Total	1	12	57	304	818	843	698	838	2904	1288	-	-	138	7901	29762
North West	Ribble	-	5	7	3	15	9	26	111	343	402	-	-	4	925	3682
	Calder	-	0	0	0	0	0	2	8	12	18	-	-	0	40	113
	Wyre	-	0	0	0	0	0	0	0	2	12	-	-	0	14	35
	Lune	-	4	14	9	4	15	24	248	737	827	-	-	27	1909	7615
	Kent	-	0	3	9	3	23	46	152	230	204	-	-	3	673	2019
	Leven	-	0	0	1	0	4	4	26	70	52	-	-	3	160	524
	Duddon	-	0	0	0	0	0	0	0	11	10	-	-	0	21	60
	Esk	-	0	0	0	0	0	2	2	19	40	-	-	1	64	265
	Irt	-	0	0	0	0	4	19	30	50	39	-	-	11	153	443
	Ehen	-	0	1	2	1	2	23	59	84	118	-	-	8	298	935
	Derwent	-	3	6	9	3	15	50	248	387	364	-	-	9	1094	4182
	Ellen	-	0	0	0	0	0	1	0	1	7	-	-	0	9	21
	Eden	-	23	54	68	100	103	87	341	1137	700	-	-	23	2636	11285
	Esk (Border)	-	0	3	2	3	9	32	129	275	285	-	-	9	747	3003
	Others	-	0	0	0	0	2	2	12	36	44	-	-	1	97	297
	Total	-	35	88	103	129	186	318	1366	3394	3122	-	-	99	6840	34479
England and Wales		1	106	277	715	1510	1722	1879	2973	9205	5655	226	167	455	24891	94022

Notes:

Reported data from rod licence catch returns only. Includes all fish taken and all fish released.

A dash is used to denote months that fall entirely within the annual close season.

'Principal rivers' include all rivers supporting commercial fisheries or with mean annual rod catches in excess of 30 salmon or 100 sea trout, plus some smaller rivers selected by NRA regions. Catches from tributaries and from minor rivers with a shared estuary are included under the appropriate main river. The catch from remaining rivers in each region is aggregated and recorded under 'others'.

Key:

(a) Data taken from a source other than rod licence returns, ie owners' returns, general licence returns etc.

Table 9 Monthly reported rod catches of migratory trout by principal rivers - 1994 season.

NRA Region	River	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Un-Known	Total Number	Total Weight (kg)
Northumbria (N&Y)	Ain	-	-	-	1	25	0	0	2	35	54	-	-	9	126	172
	Coquet	-	-	-	16	3	18	114	48	92	277	-	-	17	585	1037
	Tyne	-	-	-	16	2	15	36	131	372	330	-	-	14	916	1659
	Wear	-	-	-	8	8	45	48	104	191	96	-	-	148	648	866
	Others	-	-	-	2	0	0	12	3	0	5	-	-	2	24	22
	Total	-	-	-	43	38	78	210	288	690	762	-	-	190	2299	3756
Yorkshire (N&Y)	Esk	-	-	-	0	13	15	20	18	156	221	-	-	42	485	747
	Others	-	-	-	0	0	0	0	2	0	2	-	-	0	4	4
	Total	-	-	-	0	13	15	20	20	156	223	-	-	42	489	751
Thames	Thames	-	-	-	0	1	4	0	0	0	-	-	-	0	5	8
Southern	Test (a)	-	-	-	0	0	3	26	37	84	0	-	-	0	150	191
	Itchen (a)	-	-	-	0	2	4	6	25	102	102	-	-	0	241	147
	Sussex Ouse	-	-	-	0	1	10	8	7	17	4	-	-	0	47	118
	Others	-	-	-	0	0	5	16	19	23	21	-	-	0	84	156
	Total	-	-	-	0	3	22	56	88	226	127	-	-	0	522	612
Wessex (SW)	Avon	-	-	-	1	0	8	23	284	626	71	-	-	0	1013	477
	Stour	-	-	-	0	0	0	0	4	0	0	-	-	0	4	5
	Piddle	-	-	-	0	0	0	1	2	4	2	-	-	0	9	7
	Frome	-	-	-	0	0	5	1	10	22	2	-	-	4	44	43
	Others	-	-	-	0	1	0	4	17	23	2	-	-	0	47	50
	Total	-	-	-	1	1	13	29	313	679	77	-	-	4	1117	582
South West (SW)	Axe	-	-	-	0	8	22	50	105	81	31	-	-	0	297	210
	Otter	-	-	-	0	0	13	25	56	30	-	-	-	12	136	86
	Exe	-	-	-	0	1	3	1	6	3	-	-	-	0	15	15
	Teign	-	-	-	5	22	78	115	263	380	239	-	-	38	1140	812
	Dart	-	-	-	0	54	103	109	309	461	207	-	-	20	1263	1016
	Avon	-	-	-	14	3	22	98	255	310	-	-	-	110	812	429
	Erme	-	-	-	0	1	5	32	38	61	53	-	-	15	203	110
	Yealm	-	-	-	0	0	2	2	16	32	-	-	-	1	78	59
	Phym	-	-	-	0	17	27	52	61	112	115	-	-	25	409	249
	Tavy	-	-	-	1	2	13	30	182	187	51	-	-	3	469	310
	Tamar	-	-	-	4	5	10	35	213	166	56	-	-	11	500	295
	Lynher	-	-	-	1	5	25	83	119	57	52	-	-	5	347	260
	Loe	-	-	-	0	0	0	8	100	79	37	-	-	0	224	109
	Fowey	-	-	-	12	45	116	454	235	216	-	-	-	30	1118	641
	Camel	-	-	-	2	0	9	166	498	393	166	-	-	98	1332	715
	Taw	-	-	-	0	13	51	265	418	301	231	-	-	8	1287	1053
	Tonridge	-	-	-	2	6	34	123	151	138	137	-	-	9	600	571
	Lyn	-	-	-	0	5	13	23	33	20	16	-	-	0	112	101
	Others	-	-	-	0	0	3	5	14	34	10	-	-	0	66	39
	Total	-	-	-	15	157	430	1224	3060	3062	2044	31	-	385	10408	7080
Severn-Trent	Severn	-	-	-	2	1	5	2	3	1	22	0	-	3	39	46
Welsh	Wye	-	-	-	0	3	16	4	15	20	20	12	-	4	94	102
	Usk	-	-	-	1	2	3	86	40	59	64	10	-	0	265	153
	Taff	-	-	-	0	4	3	9	11	21	36	19	-	8	111	87
	Rhymney	-	-	-	0	0	4	0	0	4	6	2	-	0	16	6
	Ogmore	-	-	-	0	9	16	53	114	151	176	44	-	20	583	595
	Afan	-	-	-	0	3	9	26	65	80	78	22	-	12	295	349
	Neath	-	-	-	0	2	21	71	81	65	52	21	-	0	313	318
	Tawe	-	-	-	2	5	27	75	158	211	135	64	-	0	677	480
	Loughor	-	-	-	0	14	27	79	67	63	47	7	-	10	314	405
	Gwendraeth	-	-	-	0	0	13	73	126	104	75	2	-	0	393	206
	Tywi	-	-	-	13	104	403	923	1377	999	751	109	-	267	4946	5725
	Taf	-	-	-	0	5	17	26	48	92	76	8	-	1	273	268
	E-W. Gledau	-	-	-	17	5	11	176	440	383	142	23	-	17	1214	733
	Neurom	-	-	-	0	1	5	85	387	371	257	50	-	26	1182	706
	Telfi	-	-	-	0	36	87	742	1107	923	585	98	-	126	3704	2403
	Aeron	-	-	-	0	3	6	38	163	169	125	26	-	7	537	270
	Ystwyth	-	-	-	0	0	0	16	37	71	83	10	-	1	218	177
	Rheidol	-	-	-	1	6	16	126	252	222	81	13	-	0	717	533
	Dyfi	-	-	-	0	1	22	265	532	648	360	48	-	111	1987	2041
	Dysynni	-	-	-	1	43	56	73	121	198	111	52	-	15	670	400
	Mawddach	-	-	-	0	1	4	117	437	392	297	16	-	74	1338	960
	Atrio	-	-	-	0	1	0	29	33	24	18	3	-	0	108	67
	Dwyrnd	-	-	-	0	0	0	7	37	81	39	18	-	9	191	141
	Glaslyn	-	-	-	0	113	73	78	67	94	55	20	-	36	536	367
	Dwyfawr	-	-	-	0	6	22	125	253	437	347	50	-	21	1261	678
	Llyfni	-	-	-	0	0	0	36	246	295	176	34	-	13	808	454
	Gwynfai	-	-	-	0	0	0	0	11	9	5	0	-	0	25	20
	Seiont	-	-	-	0	17	9	18	30	43	6	2	-	0	125	64
	Ogwen	-	-	-	0	0	0	0	1	4	24	7	-	0	36	31
	Conwy	-	-	-	0	0	3	18	110	59	73	32	-	0	295	252
	Clwyd	-	-	-	1	4	17	47	150	183	170	23	-	2	597	423
	Dee	-	-	-	0	2	4	30	10	39	66	189	-	58	398	203
	Others	-	-	-	0	10	9	30	65	125	82	25	-	12	358	220
	Total	-	-	-	36	400	911	3481	6591	6639	4618	1059	-	850	24585	19837
North West	Ribble	-	-	-	-	53	48	186	327	273	44	-	-	21	952	716
	Caldar	-	-	-	-	0	0	4	0	2	2	-	-	0	8	9
	Wyre	-	-	-	-	0	0	0	0	26	6	-	-	0	32	26
	Lune	-	-	-	-	77	246	620	636	440	125	-	-	17	2161	1761
	Kent	-	-	-	-	3	58	141	177	152	28	-	-	74	633	451
	Leven	-	-	-	-	3	12	51	28	40	10	-	-	0	144	133
	Duddon	-	-	-	-	0	4	3	22	8	3	-	-	10	50	31
	Esk	-	-	-	-	0	3	8	2	0	0	-	-	0	13	10
	Irt	-	-	-	-	0	2	16	17	21	6	-	-	4	68	72
	Ehen	-	-	-	-	0	6	57	129	113	34	-	-	6	345	218
	Derwent	-	-	-	-	4	21	105	190	112	32	-	-	1	465	339
	Ellen	-	-	-	-	0	0	0	7	1	0	-	-	0	8	4
	Eden	-	-	-	-	39	136	162	85	49	21	-	-	5	497	456
	Esk (Border)	-	-	-	-	3	113	277	225	173	28	-	-	7	826	579
	Others	-	-	-	-	3	6	17	26	26	4	-	-	11	93	92
	Total	-	-	-	-	185	655	1649	1871	1436	343	-	-	156	6295	4897
England and Wales		-	-	-	53	602	1586	5490	11618	12282	9871	2622	-	1630	45759	37569

Notes:

Reported data from rod catch returns only. Includes all fish taken and all fish released.

A dash is used to denote months that fall entirely within the annual close season.

Principal rivers include all rivers supporting net fisheries or with mean annual rod catches in excess of 30 salmon or 100 sea trout, plus some smaller rivers selected by NRA regions. Catches from tributaries and from minor rivers with a shared estuary are included under the appropriate main river. The catch from remaining rivers in each region is aggregated and recorded under 'others'.

Key:

Data taken from a source other than rod licence returns, ie owners' returns, general licence returns etc.

Table 10 Monthly reported rod catches of salmon and grilse by principal rivers - 1994 season.

FISH RELEASED

NRA Region	River	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Un- Known	Total Number	Total Weight (kg)
Northumbria (N&Y)	Aln	-	0	0	0	0	0	0	0	0	0	-	-	0	0	0
	Coquet	-	2	4	4	3	0	0	0	9	13	-	-	0	35	118
	Tyne	-	9	4	7	1	4	4	9	36	148	-	-	5	227	1147
	Wear	-	3	1	2	0	1	2	0	5	18	-	-	0	30	111
	Tees	-	0	0	1	1	0	0	2	0	4	-	-	0	8	34
	Total	-	14	9	14	5	5	8	11	50	181	-	-	5	300	1408
Yorkshire (N&Y)	Esk	-	-	-	0	0	1	0	1	4	16	-	-	0	22	78
Thames	Thames	-	-	-	0	0	0	0	0	0	0	-	-	0	0	0
Southern	Test	0	0	0	0	4	6	13	12	12	4	-	-	2	53	205
	Itchen	0	0	0	0	0	0	1	5	10	0	-	-	0	16	52
	Total	0	0	0	0	4	6	14	17	22	4	-	-	2	69	257
Wessex (SW)	Avon	-	0	0	0	3	2	3	0	0	-	-	-	2	10	42
	Frome	-	-	0	0	0	1	2	1	0	-	-	-	1	5	21
	Total	-	0	0	0	3	3	5	1	0	-	-	-	3	15	63
South West (SW)	Exe	-	0	1	0	1	2	7	13	152	-	-	-	68	244	693
	Teign	-	8	3	0	0	0	0	8	27	-	-	-	0	46	157
	Dart	-	3	0	0	1	0	0	4	31	4	1	-	0	44	159
	Avon	-	-	-	0	0	1	0	1	0	4	8	-	0	14	42
	Plym	-	-	-	0	0	0	0	0	0	3	4	7	1	15	57
	Tavy	-	-	0	2	0	0	0	1	13	18	-	-	0	32	99
	Tamar	-	-	0	0	0	2	1	10	49	25	-	-	0	87	290
	Lynher	-	-	0	0	0	0	0	0	0	1	-	-	1	2	9
	Fowey	-	-	-	0	0	0	3	0	1	2	18	7	0	31	113
	Camel	-	-	-	0	0	0	2	2	3	19	19	22	1	68	280
	Taw	-	-	0	2	1	0	6	2	58	-	-	-	0	69	239
	Torridge	-	-	1	0	1	2	2	7	44	-	-	-	2	59	224
	Lyn	-	0	0	0	1	1	1	1	4	0	-	-	0	8	24
	Others	-	0	0	0	0	0	1	0	2	4	1	3	0	11	35
	Total	-	11	5	4	5	8	23	49	384	78	51	39	73	730	2421
Severn-Trent	Severn	-	0	6	0	4	1	1	8	6	6	-	-	4	36	129
Welsh	Wye	0	10	4	5	8	4	15	12	120	104	-	-	3	285	1145
	Usk	1	4	10	0	3	8	7	27	93	34	-	-	4	191	579
	Taff	-	-	0	0	0	1	1	1	8	2	-	-	4	17	41
	Ogmore	-	-	0	0	0	0	1	1	1	0	-	-	0	3	2
	Afan	-	-	0	0	0	1	1	0	1	0	-	-	0	3	4
	Neath	-	-	0	1	3	1	1	3	2	0	-	-	0	11	29
	Tawe	-	-	0	0	1	0	0	2	8	3	-	-	0	12	37
	Loughor	-	-	0	0	0	0	0	0	0	0	-	-	0	0	0
	Tywi	-	-	2	3	1	2	3	0	25	12	-	-	2	50	148
	Taf	-	-	0	0	2	0	0	0	0	1	-	-	0	3	13
	E+W.Cleddau	-	-	1	3	0	0	0	0	2	0	-	-	0	8	23
	Nevern	-	-	0	0	0	0	0	0	1	0	-	-	0	1	1
	Terfi	-	-	1	0	0	0	3	5	29	8	-	-	1	47	148
	Aeron	-	-	0	0	0	0	0	0	0	0	-	-	0	0	0
	Rheidol	-	-	0	0	0	0	0	2	3	4	-	-	0	9	22
	Dyfi	-	-	0	0	0	0	0	2	2	4	-	-	0	8	19
	Dysynni	-	-	0	1	0	0	0	0	0	2	-	-	0	3	15
	Mawddach	-	-	5	1	0	0	0	5	5	3	-	-	2	21	78
	Artro	-	-	0	0	0	0	0	0	0	0	-	-	0	0	0
	Dwyrdd	-	-	0	0	0	0	0	0	0	1	-	-	0	1	2
	Glaslyn	-	-	0	0	0	0	0	0	1	0	-	-	0	1	2
	Dwyfawr	-	-	0	0	0	0	0	0	1	1	-	-	0	2	3
	Llyfni	-	-	0	0	0	0	0	0	1	1	-	-	0	2	8
	Gwyrfai	-	-	0	0	0	0	0	0	0	0	-	-	0	0	0
	Seiont	-	-	0	0	0	0	0	0	1	1	-	-	0	2	8
	Ogwen	-	-	0	0	0	0	0	0	0	2	-	-	1	3	8
	Conwy	-	-	5	1	0	0	1	0	3	8	-	-	0	18	63
	Chwyd	-	-	0	0	1	2	0	0	3	5	-	-	0	11	23
	Dee	0	1	2	3	0	1	1	3	43	30	-	-	4	88	327
	Others	0	0	0	0	0	0	2	0	2	1	-	-	1	8	19
	Total	1	15	30	18	19	20	36	63	353	225	-	-	22	802	2765
North West	Ribble	-	5	3	1	1	1	9	19	63	133	-	-	1	236	922
	Calder	-	0	0	0	0	0	0	0	1	3	-	-	0	4	13
	Wyre	-	0	0	0	0	0	0	0	2	0	-	-	0	2	5
	Lune	-	2	13	5	1	1	2	6	55	199	-	-	4	288	1138
	Kent	-	0	2	0	1	0	0	8	18	61	-	-	0	88	270
	Leven	-	0	0	0	0	1	0	2	7	10	-	-	0	20	68
	Duddon	-	0	0	0	0	0	0	0	0	2	-	-	0	2	5
	Esk	-	0	0	0	0	0	0	0	0	21	-	-	0	21	104
	Irt	-	0	0	0	0	0	3	4	9	16	-	-	0	32	109
	Ehen	-	0	0	0	0	0	1	0	2	11	-	-	3	17	47
	Derwent	-	3	3	3	0	0	0	8	29	72	-	-	3	119	473
	Ellen	-	0	0	0	0	0	0	0	0	0	-	-	0	0	0
	Eden	-	6	6	8	7	1	3	15	131	154	-	-	4	337	1399
	Esk (Border)	-	0	1	0	0	0	0	8	10	60	-	-	0	79	311
	Others	-	0	0	0	0	0	0	0	4	4	-	-	0	8	29
	Total	-	18	28	17	10	4	18	68	329	748	0	-	15	1253	4891
England and Wales		1	58	78	53	50	48	103	218	1148	1256	51	39	124	3227	12010

Notes:

Reported data from rod licence catch returns only. Includes only all fish released.

A dash is used to denote months that fall entirely within the annual close season.

'Principal rivers' include all rivers supporting commercial fisheries or with mean annual rod catches in excess of 30 salmon or 100 sea trout, plus some smaller rivers selected by NRA regions. Catches from tributaries and from minor rivers with a shared estuary are included under the appropriate main river. The catch from remaining rivers in each region is aggregated and recorded under 'others'.

Table 11 Monthly reported rod catches of migratory trout by principal rivers - 1994 season.

FISH RELEASED

NRA Region	River	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Un- Known	Total Number	Total Weight (kg)
Northumbria (N&Y)	Aln	-	-	-	0	24	0	0	0	20	5	-	-	0	49	29
	Coquet	-	-	-	12	0	0	90	8	16	46	-	-	4	176	170
	Tyne	-	-	-	10	1	4	5	18	43	74	-	-	11	186	274
	Wear	-	-	-	6	1	19	14	17	42	24	-	-	86	209	164
	Others	-	-	-	1	0	0	14	0	0	2	-	-	2	19	20
	Total	-	-	-	29	26	23	123	43	121	151	-	-	103	619	657
Yorkshire (N&Y)	Esk	-	-	-	0	2	4	8	4	29	54	-	-	8	109	148
	Ouse	-	-	-	0	0	0	0	2	0	0	-	-	0	2	1
	Total	-	-	-	0	2	4	8	6	29	54	-	-	8	111	149
Southern	Test	-	-	-	-	0	0	18	22	26	8	-	-	0	74	37
	Itchen	-	-	-	0	0	4	4	21	89	37	-	-	0	155	65
	Sussex Ouse	-	-	-	0	0	0	0	0	0	0	-	-	0	0	0
	Others	-	-	-	0	0	0	3	0	3	1	-	-	0	7	6
	Total	-	-	-	0	0	4	25	43	118	48	-	-	0	236	108
Wessex (SW)	Avon	-	-	-	1	0	4	16	250	583	66	-	-	0	920	392
	Stour	-	-	-	0	0	0	0	0	1	0	-	-	0	1	1
	Frome	-	-	-	0	0	0	0	6	6	0	-	-	4	16	13
	Others	-	-	-	0	0	0	0	4	10	1	-	-	0	15	7
	Total	-	-	-	1	0	4	16	260	600	67	-	-	4	952	413
South West (SW)	Axe	-	-	-	0	2	5	16	35	25	8	-	-	0	91	41
	Otter	-	-	-	0	0	7	8	23	13	-	-	-	2	53	20
	Exe	-	-	-	0	0	0	0	3	0	-	-	-	0	3	1
	Teign	-	-	-	0	0	2	32	79	56	-	-	-	2	173	80
	Dart	-	-	-	0	5	0	2	111	187	128	-	-	15	448	199
	Avon	-	-	-	13	1	8	59	184	273	-	-	-	91	629	269
	Erme	-	-	-	0	0	1	29	26	31	26	-	-	5	118	52
	Yealm	-	-	-	0	0	0	0	4	0	5	-	-	0	9	5
	Plym	-	-	-	0	0	0	7	4	17	10	-	-	23	61	25
	Tavy	-	-	-	0	0	1	0	57	21	14	-	-	1	94	39
	Tamar	-	-	-	3	0	0	4	37	58	10	-	-	3	115	51
	Lynher	-	-	-	0	0	0	8	23	7	2	-	-	1	41	16
	Loe	-	-	-	0	0	0	11	18	8	-	-	-	0	37	15
	Fowey	-	-	-	0	0	3	21	94	24	42	-	-	15	199	88
	Camel	-	-	-	0	0	1	57	183	171	101	-	-	56	569	251
	Taw	-	-	-	0	0	3	35	153	101	60	-	-	1	353	179
	Torridge	-	-	-	0	0	9	48	53	46	39	-	-	6	199	93
	Lyn	-	-	-	0	5	5	0	4	4	-	-	-	0	18	10
	Others	-	-	-	0	0	0	2	10	13	3	-	-	0	28	11
	Total	-	-	-	3	23	28	233	881	1022	819	-	-	221	3238	1445
Severn-Trent	Severn	-	0	0	0	4	0	1	0	10	0	-	-	0	15	13
Welsh	Wye	-	-	0	0	5	1	11	2	3	12	-	-	1	35	24
	Usk	-	-	0	0	1	73	12	25	32	3	-	-	0	146	66
	Taff	-	-	0	2	1	2	2	16	28	19	-	-	5	75	42
	Rhymney	-	-	0	0	2	0	0	3	3	2	-	-	0	10	4
	Ogmore	-	-	0	4	5	17	30	66	72	17	-	-	0	211	115
	Afan	-	-	0	1	5	6	17	18	25	13	-	-	5	90	50
	Neath	-	-	0	1	12	50	32	38	20	17	-	-	0	170	107
	Tawe	-	-	0	0	13	38	107	177	75	39	-	-	0	399	166
	Loughor	-	-	0	5	3	29	9	14	3	0	-	-	0	63	33
	Gwendraeth	-	-	0	0	5	15	8	11	14	0	-	-	0	53	20
	Tywi	-	-	2	12	141	182	385	255	217	44	-	-	55	1293	817
	Taf	-	-	0	0	3	2	4	12	3	0	-	-	0	24	11
	E-W.Cleddau	-	-	0	0	0	43	116	101	50	3	-	-	8	321	138
	Neve	-	-	0	0	1	7	51	57	17	20	-	-	0	153	72
	Telf	-	-	0	1	18	213	384	417	224	24	-	-	30	1311	586
	Aaron	-	-	0	0	0	4	13	23	18	1	-	-	4	63	25
	Ystwyth	-	-	0	0	0	1	14	35	52	7	-	-	0	109	51
	Rheidol	-	-	0	6	10	77	145	137	44	9	-	-	0	428	177
	Dyfi	-	-	0	1	11	65	177	329	151	23	-	-	75	832	474
	Dysynni	-	-	1	38	46	46	73	113	52	42	-	-	15	424	174
	Mawddach	-	-	0	0	0	43	203	223	161	10	-	-	15	655	292
	Artro	-	-	0	0	0	14	9	7	4	1	-	-	0	35	15
	Dwyrhyd	-	-	0	0	0	0	13	11	5	7	-	-	7	43	18
	Glaslyn	-	-	0	35	23	28	11	9	4	3	-	-	12	125	53
	Dwyfawr	-	-	0	8	1	51	154	247	230	16	-	-	20	725	291
	Llyfni	-	-	0	0	7	18	125	95	71	18	-	-	12	346	151
	Gwyrfa	-	-	0	0	0	0	9	0	1	0	-	-	0	10	4
	Selont	-	-	0	0	0	5	16	31	0	0	-	-	0	52	25
	Ogwen	-	-	0	0	0	0	0	0	7	0	-	-	0	7	2
	Conwy	-	-	0	0	0	2	52	16	31	16	-	-	0	117	69
	Chwyd	-	-	0	0	6	15	65	48	49	6	-	-	0	189	78
	Dee	-	-	0	1	1	26	0	20	38	11	-	-	41	138	63
	Others	-	-	0	7	4	6	26	54	30	7	-	-	8	142	56
	Total	-	-	-	3	118	324	1079	2273	2560	1734	-	-	313	8794	4269
North West	Ribble	-	-	-	-	39	24	98	141	109	26	-	-	6	443	230
	Calder	-	-	-	-	0	0	2	0	0	1	-	-	0	3	3
	Wyre	-	-	-	-	0	0	0	0	11	3	-	-	0	14	5
	Lune	-	-	-	-	59	89	221	232	166	75	-	-	8	850	418
	Kent	-	-	-	-	2	25	75	99	75	19	-	-	0	295	25
	Leven	-	-	-	-	0	3	32	3	6	3	-	-	0	47	20
	Duddon	-	-	-	-	0	1	0	8	1	0	-	-	10	20	8
	Esk	-	-	-	-	0	1	0	0	0	0	-	-	0	1	1
	Ir	-	-	-	-	0	0	5	3	5	4	-	-	0	17	20
	Ehen	-	-	-	-	0	0	15	65	85	20	-	-	0	185	75
	Derwent	-	-	-	-	0	8	31	98	72	15	-	-	1	225	93
	Ellen	-	-	-	-	0	0	0	6	0	0	-	-	0	6	2
	Eden	-	-	-	-	10	25	25	23	15	12	-	-	0	110	54
	Esk (Border)	-	-	-	-	0	16	91	115	151	10	-	-	0	383	181
	Total	-	-	-	-	111	192	596	801	697	188	-	-	25	2610	1141
England and Wales		-	-	-	6	171	491	1539	3922	4735	4118	-	-	674	16575	8195
Notes:		Reported data from rod licence catch returns only. Includes only fish released. A dash is used to denote months that fall entirely within the annual close season. Principal rivers include all rivers supporting net fisheries or with mean annual rod catches in excess of 30 salmon or 100 sea trout, plus some smaller rivers selected by NRA regions. Catches from tributaries and from minor rivers with a shared estuary are included under the appropriate main river. The catch from remaining rivers in each region is aggregated and recorded under 'others'.														

Table 12 Reported rod effort data for salmon and migratory trout by principal rivers - 1994 season.

NRA Region	River	Number of returns with effort data	Number of days fished	Number of days fished per return	Number of salmon and gnrise recorded	Catch per licence day	Number of migratory trout recorded	Catch per licence day
Northumbria (N&Y)	Aln	33	804	18.30	3	0.005	123	0.204
	Coquet	453	9377	20.70	225	0.024	490	0.052
	Tyne	1272	19007	14.94	1027	0.054	746	0.039
	Wear	341	6035	17.70	155	0.026	526	0.087
	Tees	95	1180	12.21	39	0.034	1	0.001
	Others	6	100	16.67	7	0.070	23	0.230
	Total	2200	36283	16.49	1456	0.040	1909	0.053
Yorkshire (N&Y)	Esk	212	2022	9.54	111	0.055	435	0.215
	Ouse	19	269	14.16	0	0.000	3	0.011
	Others	1	3	3.00	0	0.000	0	0.000
	Total	232	2294	9.89	111	0.048	438	0.191
Thames	Thames	18	333	18.50	0	0.000	2	0.006
Southern	Test	103	932	9.05	107	0.115	94	0.101
	Itchen	58	510	8.79	63	0.124	190	0.373
	Beaulieu	13	102	7.85	1	0.010	34	0.333
	Sussex Ouse	27	878	25.04	0	0.000	30	0.044
	Others	24	228	9.42	2	0.009	53	0.235
	Total	225	2446	10.87	173	0.071	401	0.184
Wessex (SW)	Avon	140	1928	13.78	63	0.033	756	0.393
	Stour	16	183	11.44	0	0.000	4	0.022
	Piddle	20	200	10.00	4	0.020	9	0.045
	Frome	138	1788	12.94	107	0.060	47	0.028
	Total	314	4095	13.04	174	0.042	816	0.189
South West (SW)	Axe	67	849	12.67	5	0.008	262	0.309
	Otter	29	194	6.69	3	0.015	120	0.619
	Exe	411	4146	10.08	1202	0.290	12	0.003
	Teign	236	2798	11.85	283	0.101	840	0.300
	Dart	262	2928	11.18	199	0.068	821	0.280
	Avon	190	2045	10.76	61	0.030	621	0.304
	Erme	30	356	11.87	6	0.017	155	0.435
	Yealm	12	159	13.25	17	0.107	82	0.390
	Plym	63	941	14.94	48	0.051	285	0.303
	Tavy	102	1513	14.83	164	0.108	361	0.239
	Tamar	422	3302	7.82	651	0.197	308	0.093
	Lynher	78	1347	17.27	87	0.065	242	0.180
	Looe	13	407	31.31	2	0.005	185	0.455
	Fowey	256	3852	15.05	158	0.041	946	0.246
	Camel	337	4514	13.38	340	0.075	1105	0.245
	Taw	424	4213	9.94	320	0.078	1206	0.286
	Torridge	468	2770	5.92	222	0.080	497	0.179
	Lyn	126	673	5.34	136	0.202	58	0.086
	Others	20	132	6.60	4	0.030	74	0.561
	Total	3546	37137	10.47	3908	0.105	8160	0.220
Severn-Trent	Severn	668	14584	21.80	400	0.027	36	0.002
Welsh	Wye	1211	13513	11.18	1229	0.091	84	0.006
	Usk	492	7047	14.32	838	0.119	248	0.035
	Taff	45	687	15.27	64	0.093	108	0.157
	Rhymney	2	40	20.00	0	0.000	12	0.300
	Ogmore	182	3802	20.89	40	0.011	440	0.116
	Afan	53	963	18.17	14	0.015	229	0.236
	Neath	72	1475	20.49	44	0.030	282	0.191
	Tawe	109	2088	18.95	149	0.072	489	0.227
	Gwendraeth	38	989	26.03	1	0.001	245	0.248
	Loughor	94	2419	25.73	11	0.005	254	0.105
	Tywi	1275	20474	16.06	698	0.034	3527	0.172
	Taf	153	2848	18.61	118	0.041	199	0.070
	E+V. Cleddau	208	3952	19.00	60	0.015	1073	0.272
	Neurom	100	1785	17.65	45	0.025	773	0.438
	Teifi	928	14357	15.50	574	0.040	2856	0.199
	Aeron	47	1279	27.21	7	0.005	352	0.275
	Rheidol	86	1539	17.90	41	0.027	552	0.359
	Ystwyth	62	662	10.68	18	0.027	185	0.279
	Dyfi	408	3990	9.78	201	0.050	1612	0.404
	Dysynni	98	1878	19.18	3	0.002	554	0.295
	Mawddach	428	5353	12.51	200	0.037	983	0.184
	Afno	26	456	17.54	8	0.018	98	0.215
	Dwyrdd	36	732	20.33	27	0.037	178	0.243
	Glaslyn	95	1987	20.92	40	0.020	411	0.207
	Dwyfawr	137	2222	16.22	52	0.023	1174	0.528
	Llyfni	71	1413	19.90	35	0.025	697	0.493
	Gwyrfa	20	155	7.75	9	0.058	33	0.213
	Seiont	68	1157	17.01	28	0.024	111	0.096
	Ogwen	49	909	18.55	102	0.112	32	0.035
	Conwy	217	2435	11.22	177	0.073	246	0.101
	Clwyd	357	5764	16.15	150	0.028	557	0.087
	Dee	864	10069	11.65	609	0.060	152	0.015
	Others	47	826	17.57	6	0.007	77	0.093
	Total	8076	119223	14.78	5594	0.047	18803	0.158
North West	Ribble	1193	14890	12.48	678	0.059	936	0.063
	Calder	26	410	15.77	38	0.093	8	0.020
	Wyre	35	424	12.11	8	0.019	31	0.073
	Lune	1394	18506	13.28	1855	0.100	1916	0.104
	Kent	432	6147	14.23	561	0.091	580	0.091
	Leven	154	1948	12.65	173	0.089	140	0.072
	Duddon	46	437	9.50	21	0.048	50	0.114
	Esk	17	182	10.71	28	0.154	11	0.060
	Irt	105	1822	17.35	123	0.066	54	0.030
	Ehen	205	4565	22.27	218	0.048	332	0.073
	Derwent	500	6359	12.72	1017	0.180	353	0.056
	Ellen	21	395	18.81	7	0.018	1	0.003
	Eden	1031	18880	19.28	2232	0.112	453	0.023
	Esk (Border)	321	2909	9.08	675	0.232	591	0.203
	Others	94	824	8.77	42	0.051	53	0.064
	Total	5574	79678	14.29	7874	0.099	5489	0.069
England and Wales		20853	296053	14.20	19690	0.067	36054	0.122

Notes: Effort data is reported for both salmon and sea trout and cannot be separated. The table only includes returns upon which the number of days fished was reported.
Some returns contained data for two or more rivers.

Table 13 Estimated proportions of salmon and grilse in declared net and rod catches by region - 1994 season.

NRA Region	Net Catch					Rod Catch				
	No. Grilse	% by No. (% by wt)	No. Salmon	% by No. (% by wt)	Total	No. Grilse	% by No. (% by wt)	No. Salmon	% by No. (% by wt)	Total
Northumbria (a) (N&Y)					42547	364	20 (11)	1457	80 (89)	1821
Yorkshire (a) (N&Y)					4007	42	36 (32)	76	64 (68)	118
Southern (a)					4	67	32 (22)	141	68 (78)	208
Wessex (a) (SW)					193	50	28 (15)	128	72 (85)	178
South West (a) (SW)					6244	2382	48 (36)	2580	52 (64)	4962
Severn-Trent (b)	1133	49 (33)	1188	51 (67)	2321	133	24 (14)	422	76 (86)	555
Welsh (c)	2898	58 (42)	2097	42 (58)	4995	2592	36 (23)	4609	64 (77)	7201
North West (d)	3440	56 (39)	2703	44 (61)	6143	2564	29 (19)	6276	71 (81)	8840

Key: Full details of the methods of calculating age composition of the net catch were given in the 1987 catch statistics report (Russell, J.C. and Buckley, A., 1988.)
(a) Insufficient scale sampling undertaken in these regions to enable reliable estimation of relative proportions of salmon and grilse.
(b) Data provided by NRA Severn-Trent region and relate to R. Severn only.
(c) Catch data stratified. Age composition estimated from age/weight key.
(d) Catch data not stratified. Age composition derived from the mean weights of salmon and grilse in scale samples.

Note: Age composition of the rod catch in all Regions is calculated by analysis of size-frequency distribution (Cassie 1954).

Table 14 Catches of eels and freshwater fish taken in inland waters for human consumption - 1994 season. (As compiled for EIFAC).

NRA Region	Nominal commercial catch (tonnes)					Nominal rod catch (tonnes)					
	Eel	Elvers	Char	Shad	Zander	Brown Trout	Rainbow Trout	Eel	Shad	Pike	Zander
Northumbria (N&Y)	-	-	-	-	-	-	-	-	-	-	-
Yorkshire (N&Y)	0.60	-	-	-	-	-	-	-	-	-	-
Anglian	10.00	-	-	-	-	20.00	100.00	-	-	-	-
Thames	4.45	-	-	-	-	-	-	-	-	-	-
Southern	50.00	2.00	-	-	-	-	-	-	-	-	-
Wessex (SW)	15.10	-	-	-	-	-	-	-	-	-	-
South West (SW)	0.22	0.15	-	-	-	-	-	-	-	-	-
Severn-Trent	2.59	6.19	-	0.20	1.00	40.00	200.00	2.00	0.75	0.10	0.10
Welsh	1.13	0.98	-	-	-	-	-	-	-	-	-
North West	2.70	0.14	-	-	-	-	-	-	-	-	-
Total	86.79	9.46	0.00	0.20	1.00	60.00	300.00	2.00	0.75	0.10	0.10

Notes: The absence of data in any category is not indicative of a zero catch.
The above data are collated annually for inclusion in the European Inland Fisheries Advisory Commission National report of member countries (EIFAC, in press) and represent the best available data for England and Wales. However it is stressed that there are few statutory requirements for the collection of catch data for these species and extreme caution should be exercised in their use.

Table 15 Nominal catches of salmon in high-seas interception fisheries (tonnes round fresh weight), 1984-1994.

Year	Northern Norwegian Sea long-line fishery (north of Lat 67 deg N)	Faroe Area long-line fishery		West Greenland drift net fishery	
	Catch (a)	Catch (b)	Quota	Catch	Quota
1984	29	700	625 (c,d)	297	870 (d)
1985	0	566	550 (c)	864 (e)	852
1986	0	530	550 (c)	960 (e)	909 (d)
1987	0	576	1790 (d,f)	966	935 (d)
1988	0	243		893	2520 (d)
1989	0	364		337	
1990	0	315	1100 (d,f)	274	
1991	0	95 (g)		472	840
1992	0	23 (h)	550 (c)	237	- (i)
1993	0	23 (h)	550 (c)	12	213 (j)
1994	0	6 (h)	550 (c)	12	159 (j)

Key:

(a) Catches in the N. Norwegian Sea fishery were made predominantly by Danish vessels, however Faroese vessels contributed substantially (259 tonnes) to the catch in 1982, and Finnish and Faroese vessels made smaller contributions in other years.

(b) Catches in the Faroes fishery are currently made by Faroese vessels, however a relatively small contribution was also made by Danish vessels in the period 1983-84.

(c) Quotas apply to fishing season (autumn-spring) beginning in the year stated. Catch is for calendar year.

(d) Quotas negotiated by NASCO.

(e) An additional 6-19 tonnes were also caught on the E. Greenland coast.

(f) Quotas apply to calendar years.

(g) Fishermen compensated not to fish after March 1991.

(h) Research fishery.

(i) No TAC was set in 1992 for the West Greenland drift net fishery.

(j) Fishermen compensated not to fish from 1993. In 1993 & 1994 an artisanal fishery operated with a small allowance of 12 tonnes.

Note: All data converted from gutted weights using appropriate factors.

Acknowledgement: The data presented in this table were extracted from reports of the ICES Working Group on North Atlantic Salmon (see for example, Anon., 1995), and are cited by kind permission of ICES.

Table 16 Nominal catches of salmon and grilse in home-water fisheries (tonnes round fresh weight), 1984-1994.

Year	Canada (a)	England and Wales	Finland	France	Iceland	Ireland (b)	Northern Ireland (b,c)	Norway	Russian Federation	Scotland	Spain	Sweden (West coast)	USA	Total
1984	1112	345	46	25	159	829	78	1623	593	1013	18	40	2.2	5883
1985	1133	361	49	22	217	1595	98	1561	659	913	13	45	2.1	6668
1986	1559	430	38	28	330	1730	109	1597	608	1271	7	53	1.9	7762
1987	1784	302	49	27	250	1239	56	1385	559	922	18	47	1.2	6639
1988	1311	395	34	32	412	1874	114	1076	419	882	18	40	0.9	6608
1989	1139	296	52	14	277	1079	142	905	359	895	7	29	1.7	5196
1990	912	338	59	15	426	586	96	930	316	624	10	33	2.4	4347
1991	711	200	69	13	505	404	60	877	215	462	15	38	0.8	3570
1992	520	183	77	20	636	630	90	867	166	599	16	49	0.7	3854
1993	373	270	70	16	656	543	94	923	140	547	14	56	0.6	3703
1994 (d)	351	336	49	18	448	819	91	937	138	596	15	44	0	3842

Key:

(a) Includes estimates of some local sales and, prior to 1984, by-catch.

(b) Catch on River Foyle allocated 50% Ireland and 50% N. Ireland.

(c) Not including angling catch (mainly grilse).

(d) Provisional figures, with the exception of those for England & Wales.

Acknowledgement: The data presented in this table were extracted from the 1995 report of the ICES Working Group on North Atlantic Salmon (Anon., 1995), and are cited by kind permission of ICES.

ERRATUM: RUSSIAN CATCH DATA HAVE RECENTLY BEEN AMENDED. DATA INCLUDED IN REPORTS PRIOR TO 1989 WERE INCORRECT.

Table 17 Salmon stocking - numbers of eggs, fry, parr and smolts released - 1994 season.

NRA Region	River	Tributary	Ova	Unfed Fry	Fed Fry	0+ Parr	1+ Parr	Smolts
Northumbria (N&Y)	Aln	Main River	48000	-	-	-	-	-
	Tees	Greta	-	-	-	100000	48000	-
		Deepdale Beck	-	-	-	50000	-	-
		Langley Beck	-	-	-	12500	-	-
		Ettersgill Beck	-	-	-	25000	-	-
	Tyne	Main River	-	-	-	12500	-	-
	South Tyne	Main River	-	-	-	10000	-	-
		Black Burn	-	-	-	90000	-	-
	North Tyne	Main River	-	-	-	30000	16000	-
		Smales Burn	-	-	-	120000	16000	-
		Tarset Burn	-	-	-	20000	-	-
		Houxy Burn	-	-	-	40000	-	-
		Tarret Burn	-	-	-	10000	-	-
		Black Burn	-	-	-	10000	-	-
	Rede	Main River	-	-	-	40000	16000	-
		Durtees Burn	-	-	-	5000	-	-
		Elsdon Burn	-	-	-	5000	-	-
	Wear		-	-	-	-	12000	-
	Total		48000	-	-	590000	108000	-
Yorkshire (N&Y)	Esk	Main R.	-	-	-	-	6866	-
		Stonegate Beck	-	50000	-	-	-	-
	Total		-	50000	-	-	6866	-
Thames	Thames	Main R.	-	-	-	-	-	59371
		Kennet	-	-	39531	-	-	9170
		Wey (south)	-	-	31230	-	-	-
		Loddon	-	-	12769	-	8819	-
		Lambourne	-	-	83893	-	-	-
		Pang	-	-	47635	-	-	-
		Lyde	-	-	14770	-	-	-
		Chess	-	-	36615	-	-	-
	Total		-	-	266443	-	8819	68541
Southern	Test		-	-	-	38806	-	-
	Total		-	-	-	38806	-	-
South West (SW)	Torridge		-	-	-	12700	4300	-
	Axe		-	-	-	10000	-	-
	Tamar	Wolf	-	-	-	-	6000	-
	Total		-	-	-	22700	10300	-
Severn-Trent	Severn	Teme	-	-	-	-	1000	5000
		Onny	-	-	-	-	1500	-
		Clun	-	-	-	-	1300	-
		Afon Tanat & Tribs	-	46000	4000	-	-	-
		Upper Severn Tribs	-	-	9000	-	-	-
		Afon Vyrnwy Tribs	-	-	5200	-	-	-
	Total		-	46000	18200	-	3800	5000
Welsh	Taff	Taf Fechan	-	-	77000	-	-	7600
		Main R.	-	-	-	-	-	11168
	Dysynni	Main R.	-	10000	-	-	-	-
	Dee		-	302044	-	-	22805	8392
	Ogmore	Main R.	-	-	-	-	5000	6000
	Mawddach		-	33500	-	-	12750	15462
	Conwy & Seiont		-	205500	2000	-	-	3000
	Clwyd		-	-	-	-	-	6488
	Total		-	551044	79000	-	40555	58110
North West	Ribble		-	-	9100	33800	-	5200
	Hodder		-	-	18800	-	-	5200
	Wyre		-	-	50000	11000	-	-
	Lune		-	-	1203000	-	-	10400
	Calder		-	40500	-	-	-	-
	Eden	Main River	-	-	219000	-	-	-
		Caldew	-	-	-	7500	20800	-
		Irthing	-	-	4000	-	-	-
	Derwent	Main River	-	-	51000	103000	-	-
		Greta	-	-	54000	-	-	-
		Cocker	-	-	51000	-	-	-
		Marron	-	-	-	5500	-	-
	Total		-	40500	1659900	160800	20800	20800
England and Wales	Total		48000	687544	2023543	812306	199140	152451
Notes:		Values specified are estimated figures.						
		1+ Parr are those stocked out on or after 1st January in the year after they hatched.						

Table 18 Summary of regional salmon and grilse net catches, 1989-94.

NRA Region	Numbers of fish							% Change	
	1989	1990	1991	1992	1993	5-Year Mean (1989-93)	1994	'94 on '93	'94 on 5-yr mean
Northumbria (N&Y)	35169	43048	22525	18567	37097	31281	42547	+15	+36
Yorkshire (N&Y)	6284	8482	2904	1577	4703	4790	4007	-15	-16
Anglian	4	9	34	11	4	15	3	-25	-79
Southern	83	43	25	6	11	34	4	-64	-88
Wessex (SW)	593	400	167	188	160	302	193	+21	-36
South West (SW)	10091	5492	2730	5333	4857	5701	6244	+29	+10
Severn-Trent	4364	4397	1747	2117	950	2715	2321	+144	-15
Welsh	5058	4377	3044	2927	3324	3746	4995	+50	+33
North West	7294	5579	4499	3123	5460	5191	6143	+13	+18
Total	68936	71827	37675	33849	56566	53771	66457	+17	+24

Table 19 Summary of regional migratory trout net catches, 1989-94.

NRA Region	Numbers of fish							% Change	
	1989	1990	1991	1992	1993	5-Year Mean (1989-93)	1994	'94 on '93	'94 on 5-yr mean
Northumbria (N&Y)	48626	28560	24869	23073	21893	29404	31410	+43	+7
Yorkshire (N&Y)	22743	15857	15784	8996	9921	14660	19726	+99	+35
Anglian	3815	2313	2293	2967	1743	2329	1237	-29	-47
Southern	170	50	63	136	7	85	4	-43	-95
Wessex (SW)	365	484	312	246	309	343	516	+67	+50
South West (SW)	3591	2071	1950	1647	1993	2250	1640	-18	-27
Welsh	6400	3588	2705	1647	1684	3205	3019	+79	-6
North West	5737	3271	2927	3191	2337	3493	3343	+43	-4
Total	91447	56194	50903	41903	39887	56067	60895	+53	+9

Table 20 Summary of regional salmon and grilse rod catches, 1989-94.

NRA Region	Numbers of fish							% Change	
	1989	1990	1991	1992 (a)	1993 (a)	5-Year Mean (1989-94)	1994	'94 on '93	'94 on 5-yr mean
Northumbria (N&Y)	1184	1452	1264	1763	1670	1467	1821	+9	+24
Yorkshire (N&Y)	11	14	11	45	26	21	118	+354	+451
Thames	8	9	1	10	16	9	11	-31	+25
Southern	862	485	244	260	545	479	432	-21	-10
Wessex (SW)	697	517	247	220	285	393	251	-12	-36
South West (SW)	1868	1717	1255	3444	3637	2384	4962	+36	+108
Severn-Trent	658	357	324	287	336	392	555	+65	+41
Welsh	5454	5370	4522	3316	5986	4930	7901	+32	+60
North West	3988	4928	6106	4974	6241	5247	8840	+42	+68
Total	14728	14849	13974	14319	18742	15322	24891	+33	+62
Key: (a) 1992 and 1993 figures are adjusted to include returns from owners, log books, bailiffs etc.									

Table 21 Summary of regional migratory trout rod catches, 1989-94.

NRA Region	Numbers of fish							% Change	
	1989	1990	1991	1992 (a)	1993 (a)	5-Year Mean (1988-92)	1994	'94 on '93	'94 on 5-yr mean
Northumbria (N&Y)	1640	1543	1211	1633	1954	1596	2299	+18	+44
Yorkshire (N&Y)	97	162	103	134	218	143	489	+124	+242
Thames	5	0	0	5	4	3	5	-	-
Southern	437	100	300	188	553	316	522	-6	+65
Wessex (SW)	402	101	144	116	282	209	1117	+296	+434
South West (SW)	3653	2598	4003	4645	5987	4177	10408	+74	+149
Welsh	13203	10030	11565	4634	13350	10556	24585	+84	+133
North West	3481	2499	4625	3387	4337	3666	6295	+45	+72
Total	22918	17031	21951	14742	26685	20665	45720 (b)	+71	+121
Key: (a) 1992 and 1993 figures are adjusted to include returns from owners, log books, bailiffs etc. (b) Total does not include 39 migratory trout declared caught in Severn-Trent Region.									

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9. GLOSSARY

NETS	Instruments other than rod and line (including nets and fixed engines such as cribs, putts, putchers, baulks, fishing weirs and traps as used for the capture of migratory salmonids).
EIFAC	European Inland Fisheries Advisory Commission.
NASCO	North Atlantic Salmon Conservation Organisation.
MIGRATORY TROUT	Sea trout, sewin.
GRILSE	Salmon that has spent not more than one winter at sea before maturing.

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The NRA is committed to the principles of stewardship and sustainability. In addition to pursuing its statutory responsibilities as Guardians of the Water Environment, the NRA will aim to establish and demonstrate wise environmental practice throughout all its functions.