

2003 - 2004

Wild Salmon And Sea Trout Tagging Scheme Fisheries Statistics Report



Report prepared by
The Central Fisheries Board, Ireland
Príomh Bhord Iascaigh na hÉireann

Wild Salmon And Sea Trout Tagging Scheme

Fisheries Statistics Report 2003 - 2004



Fisheries Ireland
Our Natural Heritage

The Central Fisheries Board

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The Central and Regional Fisheries Boards

The Central Fisheries Board is a statutory body operating under the aegis of the Department of Marine and Natural Resources and was established under the Fisheries Act 1980.

The principal functions of the CFB are to advise the Minister for the Marine and Natural Resources on policy relating to the conservation, protection, management, development and improvement of inland fisheries and sea angling, to support, coordinate and provide specialist support services to the Regional Fisheries Boards and to advise the Minister on the performance by the Regional Fisheries Boards of their functions.

The CFB also has responsibilities in the following areas:

- Preparation of National Inland Fisheries Development Plans
- Administration of funding programmes, both National and EU
- The promotion and marketing of angling
- The management of its fish rearing operations

There are seven Regional Fisheries Boards. These statutory bodies are responsible for maintaining and improving environmental quality and developing and protecting the fisheries resource in their regions. The regions are drawn up on a catchment basis. Each Fisheries Region is divided up into one or more Fisheries Districts, of which there are 17 in total. Commercial salmon fishing licences are granted to fish a particular fishery district, whereas angling licences are granted on an all Regions or on a single district basis.

Statement of the Chief Executive Officer

It gives me great pleasure to present the Wild Salmon and Sea Trout Tagging Scheme Fisheries Statistics Report 2003-2004. This is the fourth year of the tagging scheme and third year of the quotas.

The implementation of these initiatives throughout the country has been an outstanding success. The use of tags and the operation of a quota system is now well established in Ireland. This report will supply valuable information to fisheries managers, policy advisors and policy makers, including the Minister, and help in designing and implementing successful policies and strategies for the conservation of salmon and sea trout stocks in Ireland.

The Standing Scientific Committee of the National Salmon Commission use the salmon catch data generated in this report in their estimation of total salmon returns to each Fishery District. My Board is continually monitoring the implementation of these schemes with a view to identifying ways of improving the quality of the data generated.

I would like to commend the management and staff of the Central Fisheries Board, the Regional Fisheries Boards, the

Standing Scientific Committee of the National Salmon Commission and all stakeholders in the sector for their tremendous dedicated work in making this scheme such a success.

I would also like to acknowledge those fishermen, both recreational and commercial who returned their logbooks and unused tags.



*John O'Connor,
Chief Executive Officer*



Executive Summary

The report contains data relating to the 2004 commercial salmon fishing seasons and the 2003 angling season. It should be noted that data for the 2004 angling season is not yet available as some angling seasons continue to mid-October.

Commercial Salmon and Sea Trout 2004

The national commercial catch of salmon and sea trout (over 40 cm) of 145,253 was 10% below the national Total Allowable Catch (TAC) of 161,951.

Three districts (Waterford, Lismore and Cork) came close to, or met, the Total Allowable Catch (TAC). All remaining catches were below the district TAC set.

In excess of 99% of commercial logbooks were returned at the time of publication.

85.9% of the commercial salmon catch is sold through licensed salmon dealers and other sales, 7.6% is accounted for by domestic consumption and 6.5% is unaccounted for by the time logbooks were returned.

Angling Salmon and Sea Trout 2003

31,809 angling licences were sold in 2003. 57% of logbooks relating to these were returned, an increase of 5% from 2002.

The highest return was for the Shannon Region at 79%, up from 55% in 2002.

The lowest returns of 46% were recorded in the Southern and Northern Regions.

The angling figures suggest that the Moy river system in Co. Mayo returns the highest number of salmon to the rod nationally. The highest number of sea trout (over 40cm) are caught on the Cumeragh system in the Kerry district.

Introduction

The Wild Salmon and Sea Trout Tagging Scheme commenced for both commercial and recreational salmon fishing licence holders on 1st January 2001, having been provided for in the Fisheries (Amendment) Act, 1999 (Number 35 of 1999).

The principal aims of these schemes are to provide a means of collecting accurate nominal catch statistics and estimates of salmon and sea trout stock exploitation, to develop best management strategies and to ensure these species are exploited in a manner consistent with their long-term sustainability on a national, regional, fishery district and river basis.

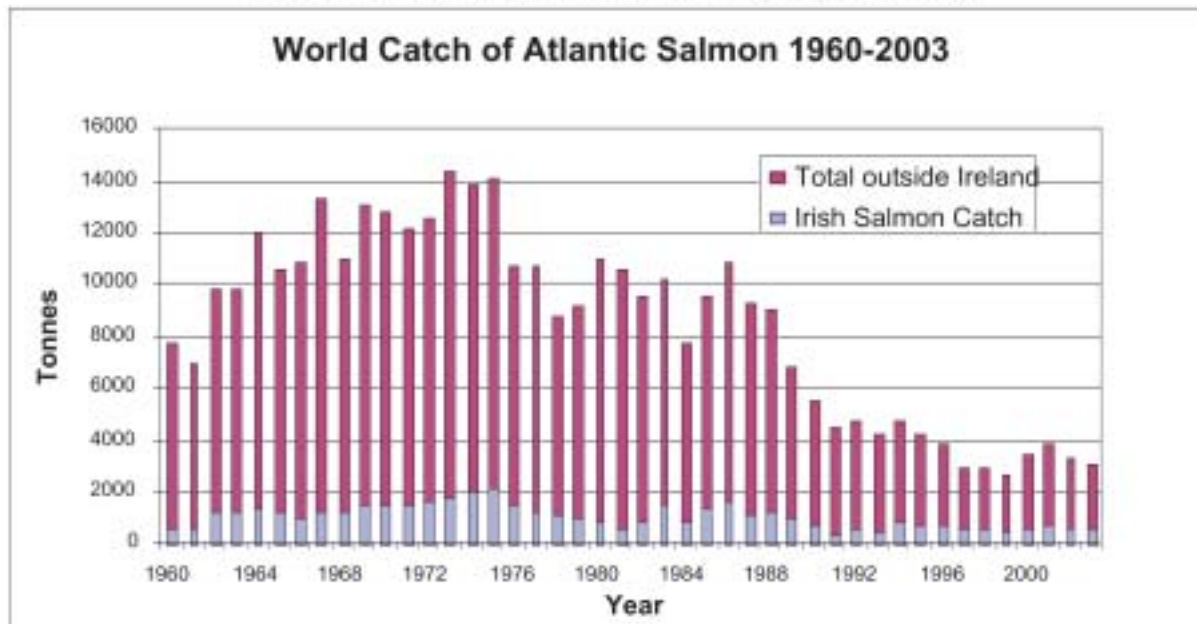
The scheme is also intended to identify illegally caught salmon, eliminate sales outlets for such illegal fish and to improve traceability in the distribution chain.

The data contained in this report is taken from salmon licences and logbook data supplied by commercial fishermen and anglers. This data is entered by the Regional Fisheries Boards staff into a database and following this the validation, collation and analysis of the data is performed at the Central Fisheries Board and the final statistics report is produced.

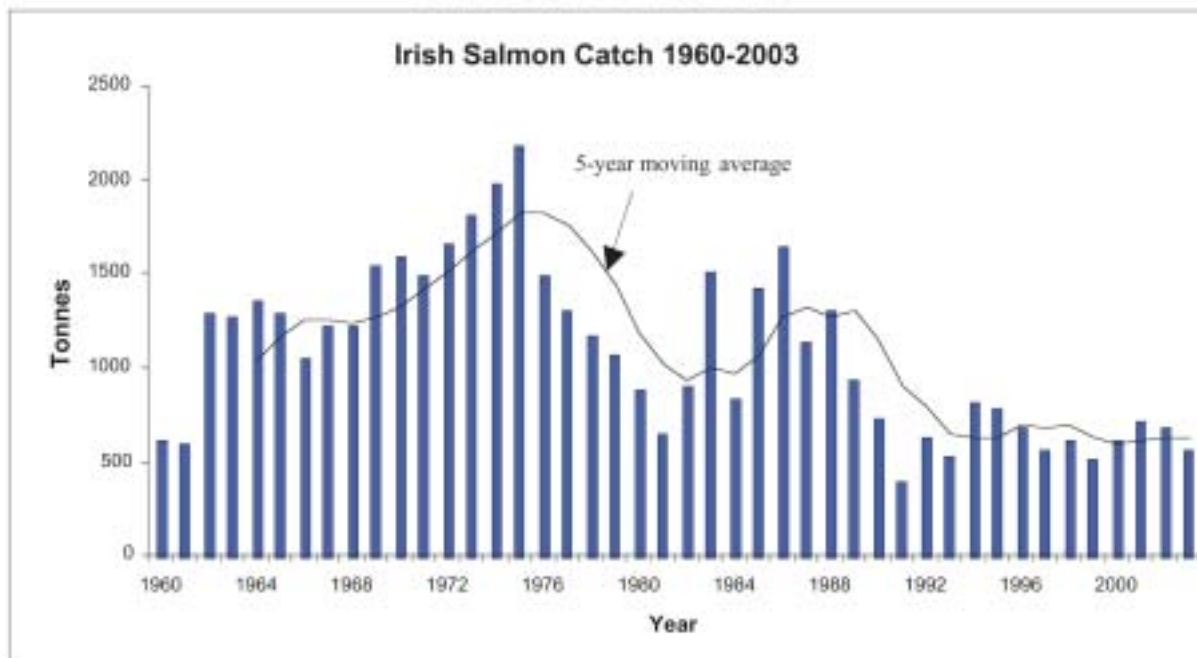


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World Catch of Atlantic Salmon 1960-2003



Irish Catch 1960-2003



Conservation Bye-law

Bye-law No. 786 of 2002 provides for a bag limit of 1 salmon or 1 sea trout over 40 cm per angler per day from 1 January to 31 May and a bag limit of 3 fish being either salmon or sea trout over 40 cm per angler per day from 1 June to the end of the fishing season, subject to a total allowable catch of 20 fish per angler per year. In this Bye-law, "salmon" means a fish of the species *Salmo salar* (Atlantic Salmon) and "sea trout" means the migratory form of *Salmo trutta* but does not include a sea trout which is 40 centimetres or less in length measured in a straight line from tip of the snout to the fork of the tail.

Adjusted catch

- The assessment of wild salmon and sea trout angling catches includes an adjustment to the reported catch to take into account the numbers of fish which have been caught by anglers who have not returned their logbook. The adjustment is taken from a publication by Small (1991) and is:

$$\text{Adjusted_Catch} = \text{Reported_Catch} \times \left[\left(\frac{Y}{\% \logbookreturn} \right) + (1 - Y) \right]$$

where $Y = 0.3 \pm 0.08$.

Main findings

Total Salmon Catch 2001-2004

- The total number of salmon caught by both commercial and recreational fishermen from 2001-2004 is shown in the table below (Angling figures for 2004 are not yet available). The total catch for all sectors in 2001 was 259,475. By 2003, this had fallen to 187,762 salmon.
- There were significant drops in commercial catches between 2001 and 2004. Although the total number of salmon caught by rod and line increased by c. 13% between 2001 – 2002, it fell by c. 29% between 2002 and 2003. The overall drop in salmon numbers caught by rod and line between 2001 and 2003 was c. 20%.

Total Number of Salmon caught					
	Drift	Draft	Other	Angling	Total
2001	197,172	30,861	5,368	26,074	259,475
2002	179,177	23,032	4,690	29,408	236,307
2003	141,222	21,100	4,552	20,888	187,762
2004	120,303	19,443	3,860	*	143,606*

* Angling figures for 2004 not yet available





Commercial Salmon & Sea Trout 2004

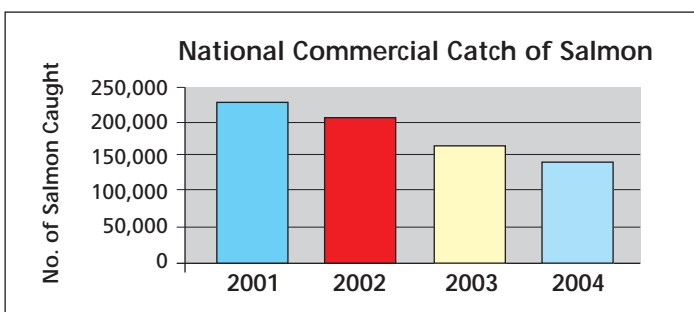
- The Total Allowable Catch (TAC) of salmon and sea trout (over 40cm) provided for the commercial sector in 2004 was 161,951. The total reported catch in 2004 was 145,253, c. 10% below the national TAC.
- In 2002, the total reported catch was 4.9% below the TAC. In 2003, the total reported catch was 7.2% below the TAC.

Year	Total Reported Catch Salmon & Sea Trout	TAC	% below TAC
2002	208,982	219,649	4.9
2003	168,819	182,000	7.2
2004	145,253	161,951	10.3

Commercial Salmon

- Of the 2004 commercial catch, 83.8% of salmon were captured by drift net, 13.5% by draft nets, and the remaining 2.7% by other engines.

Total Number of Commercial Salmon caught				
	Drift	Draft	Other	Total
2001	197,172	30,861	5,368	233,401
2002	179,177	23,032	4,690	206,899
2003	141,222	21,100	4,552	166,874
2004	120,303	19,443	3,860	143,606



% drop in catch from previous year				
	Drift	Draft	Other	Total
2002	9.1	25.4	12.6	11.4
2003	21.2	8.4	2.9	19.3
2004	14.8	7.9	15.2	13.9

- The tables and graph above illustrate the drop in commercial salmon catch between 2001 and 2004. The commercial catch dropped by 11.4% between 2001 and 2002, 19.3% between 2002 and 2003, and by 13.9% from 2003 to 2004. This represents an overall decrease of c. 38% in commercial catch from 2001 to 2004.

- The biggest landings of salmon in 2004 were:

District	Number of Salmon	% of national catch
Kerry	24,089	16.8
Cork	21,947	15.3
Ballina	21,049	14.7

- The table below shows the 2004 commercial salmon catch disposals for drift and draft nets

2004 Commercial Salmon Catch disposals		
Disposal Type	Drift Net (% total sales)	Draft Net (% total sales)
Licensed Salmon Dealers	59.1	36.1
Private Sales	25.4	27.2
Domestic Consumption	5.9	16.6
Restaurants	3.9	3.4
Hotels and Guesthouses	0.3	0.5
Unknown	4.7	15.1

Commercial Sea Trout (over 40cm)

- The commercial sea trout catch (over 40 cm) in 2004 was 1,647. The drift net fishery returned 38.9%, the draft net fishery 56.4% and the remaining sea trout (c. 4.7%) were captured by other engines.
- Sea trout catches were highest in the Dublin District 2004 at c. 19% of the national sea trout catch.
- The proportion of sea trout in the national commercial catch of salmon and sea trout was approximately 1% from 2002 to 2004, down from 2% in 2001.



Angling Salmon and Sea Trout 2003

- The total number of salmon and sea trout (over 40cm) caught by rod and line in 2003 was 21,885, a drop of 29% on the 2002 figure of 30,872.

Year	Angling Catch Salmon & Sea Trout	% Increase
2001	27,140	
2002	30,872	+ 14%
2003	21,885	- 29%

- 31,809 rod and line licences were sold in 2003. 57% were returned to the Regional Fisheries Boards, compared with a national return rate of 52% in 2002 and 43% in 2001.

Year	Licenses Sold	Logbooks Returned	% Return
2001	32,814	14,238	43
2002	35,024	18,088	52
2003	31,809	18,088	57

- Over 33% of the national catch by rod and line was taken in the Ballina district.

Angling Catch Salmon

- The rod and line catch of salmon for 2003 was 16,993. This was estimated as 20,888 to account for those fish which were caught and for which no logbook was returned (Small, 1991). This represents a c. 29% decrease on the 2002 figure of 29,408.
- The river Moy in County Mayo provided the largest number of salmon to the rod nationally with a raised catch of 6,908.

Rivers producing large numbers of salmon.		
River	District	No. of salmon
Moy	Ballina	6,908
Blackwater (Munster)	Lismore	1,750
Ballysadare	Sligo	1,014
Corrib	Galway	869
Owenmore	Bangor	607
Lee (Cork)	Cork	589

Angling Catch Sea Trout

- The rod and line catch of sea trout (over 40cm) in 2003 was 831. This was estimated as 997 sea trout to account for those fish which were caught and for which no logbook was returned (Small, 1991). This represents a c. 32% decrease on the sea trout catch in 2002.
- 26% of sea trout caught by rod and line are taken in the Kerry district. The Cumberagh system provided the largest number of sea trout to the rod with a raised catch of 187 fish.

Angler Nationality

- Anglers from 42 different countries held rod licences in 2003.
- 55% of anglers were from the Republic of Ireland and another 12.9% were from Northern Ireland.
- 14.6% of anglers were from the UK, England, Wales & Scotland.
- French and German anglers made up 3.1% and 2.5% of rod licence holders respectively.

References

Central Fisheries Board (2004) 2001-2003 Wild Salmon and Sea Trout Tagging Scheme Fisheries Statistics Report. (<http://www.cfb.ie/pdf/sal03.pdf>)

Small, I. (1991) Exploring data provided by angling for salmonids in the British Isles. In: Catch Effort Sampling Strategies - their application in Freshwater Fisheries Management. I.G. Cowx (Ed.), Blackwell Scientific Publications Ltd.



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Table 25. Number of sea trout caught by rod and line in the rivers in the North Western Regional Fisheries Board area in 2003 as determined from angling logbook returns. The table shows the actual reported tagged fish as indicated in the logbooks and the adjusted catch to account for those fish captured but for which no logbook was returned. The method for raising the rod catch follows investigations published by Small (1991). River names and code numbers are as per the Ordnance Survey of Ireland, Rivers and their Catchment Basins, 1958. The killing of sea trout is prohibited in Connemara, Ballinakill and parts of the Bangor districts.

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Table 28. Total number of salmon and sea trout rod licences sold in 2003 by angler nationality (taken from the address supplied at the time the licence was purchased).



Table 1. Commercial salmon catch 2004 determined from logbook returns and presented by district and by fishing engine, including the % catch by engine and the % catch by district.

DISTRICT	DRIFT	DRAFT	SNAP	LOOP	BAG	HEAD WEIR	TOTAL	% catch by district
DUNDALK	0	634	0	0	0	0	634	0.4
DROGHEDA	0	1,788	0	0	0	0	1,788	1.2
DUBLIN	3	7	0	0	0	0	10	0.0
WEXFORD	0	1,097	0	0	0	0	1,097	0.8
WATERFORD	8,303	0	3,455	0	0	12	11,770	8.2
LISMORE	9,173	0	115	0	0	0	9,288	6.5
CORK	19,134	2,662	0	0	151	0	21,947	15.3
KERRY	17,720	6,279	0	0	90	0	24,089	16.8
LIMERICK	9,148	2,005	0	0	0	0	11,153	7.8
GALWAY	3,736	63	0	0	0	0	3,799	2.6
CONNEMARA	2,626	0	0	0	0	0	2,626	1.8
BALLINAKILL	4,026	355	0	0	0	0	4,381	3.1
BALLINA	21,023	26	0	0	0	0	21,049	14.7
BANGOR	4,143	1,357	0	0	0	0	5,500	3.8
SLIGO	2,698	0	0	0	0	0	2,698	1.9
BALLYSHANNON	5,271	1,934	0	0	0	0	7,205	5.0
LETTERKENNY	13,299	1,236	0	37	0	0	14,572	10.1
TOTAL	120,303	19,443	3,570	37	241	12	143,606	100.0
% catch by engine	83.77	13.54	2.49	0.03	0.17	0.01	100	





Table 2. Commercial sea trout catch 2004 determined from logbook returns and presented by district and by fishing engine, including the % catch by engine and % catch by district.

DISTRICT	DRIFT	DRAFT	SNAP	LOOP	BAG	TOTAL	% catch by district
DUNDALK	0	97	0	0	0	97	5.89
DROGHEDA	0	62	0	0	0	62	3.76
DUBLIN	103	209	0	0	0	312	18.94
WEXFORD	0	252	0	0	0	252	15.30
WATERFORD	111	0	63	0	0	174	10.56
LISMORE	67	0	14	0	0	81	4.92
CORK	214	15	0	0	1	230	13.96
KERRY	51	207	0	0	0	258	15.66
LIMERICK	5	34	0	0	0	39	2.37
GALWAY	0	0	0	0	0	0	0.00
CONNEMARA	0	0	0	0	0	0	0.00
BALLINAKILL	0	0	0	0	0	0	0.00
BALLINA	1	0	0	0	0	1	0.06
BANGOR	14	5	0	0	0	19	1.15
SLIGO	3	0	0	0	0	3	0.18
BALLYSHANNON	26	18	0	0	0	44	2.67
LETTERKENNY	45	30	0	0	0	75	4.55
TOTAL	640	929	77	0	1	1,647	100.00
% catch by engine	38.9	56.4	4.7	0.0	0.1	100.0	





Table 3. Total allowable catch (TAC) of salmon and sea trout provided for the commercial sector in 2004. Presented with the reported catch determined from commercial logbooks only. (rod caught fish not included).

DISTRICT	TAC	TOTAL REPORTED CATCH 2004	% of TAC
DUNDALK	1,202	731	61
DROGHEDA	2,795	1,850	66
DUBLIN	542	322	59
WEXFORD	1,933	1,349	70
WATERFORD	12,113	11,944	99
LISMORE	9,303	9,369	101
CORK	22,425	22,177	99
KERRY	27,644	24,347	88
LIMERICK	12,145	11,192	92
GALWAY	4,115	3,799	92
CONNEMARA	2,877	2,626	91
BALLINAKILL	6,436	4,381	68
BALLINA	21,797	21,050	97
BANGOR	5,768	5,519	96
SLIGO	4,964	2,701	54
BALLYSHANNON	9,620	7,249	75
LETTERKENNY	16,272	14,647	90
TOTAL	161,951	145,253	90





Table 4. An analysis of the commercial salmon catch by drift net fishing licence 2004, on a district basis.

DISTRICT	0	1-10	11-20	21-50	51-100	101-250	251-500	501-1000	1001-2000	Total licence holders	Total catch
DUNDALK	0	0	0	0	0	0	0	0	0	0	0
DROGHEDA	0	0	0	0	0	0	0	0	0	0	0
DUBLIN	1	1	0	0	0	0	0	0	0	2	3
WEXFORD	0	0	0	0	0	0	0	0	0	0	0
WATERFORD	5	49	7	54	41	11	1	1	0	169	8,303
LISMORE	4	5	4	18	12	32	5	0	0	80	9,173
CORK	7	0	12	10	14	35	28	4	0	110	19,134
KERRY	0	0	0	0	0	4	16	19	0	39	17,720
LIMERICK	8	11	2	20	25	9	7	4	0	86	9,148
GALWAY	4	2	1	12	5	10	2	1	0	37	3,736
CONNEMARA	8	1	2	2	7	6	3	0	0	29	2,626
BALLINAKILL	2	2	2	8	9	15	2	0	0	40	4,026
BALLINA	4	3	4	10	9	26	19	8	2	85	21,023
BANGOR	0	1	5	4	9	5	1	0	0	25	4,143
SLIGO	1	0	1	0	2	1	3	2	0	10	2,698
BALLYSHANNON	0	1	0	1	3	15	2	3	0	25	5,271
LETTERKENNY	0	0	3	32	29	35	11	1	0	111	13,299
TOTALS	44	76	43	171	165	204	100	43	2	848	120,303
%	5.2	9.0	5.1	20.2	19.5	24.1	11.8	5.1	0.2	100.0	
CATCH PER BAND	0	687	831	6,604	13,312	34,996	35,289	26,003	2,581	120,303	
% CATCH	0	0.6	0.7	5.5	11.1	29.1	29.3	21.6	2.1	100.0	





Table 5. An analysis of the commercial salmon catch by draft net fishing licence 2004, on a district basis.

DISTRICT	0	1-10	11-20	21-50	51-100	101-250	251-500	501-1000	1001-2000	Total Licence Holders	Total Draft Catch
DUNDALK	0	15	9	8	2	0	0	0	0	34	634
DROGHEDA	0	6	12	15	5	4	0	0	0	42	1,788
DUBLIN	5	3	0	0	0	0	0	0	0	8	7
WEXFORD	4	27	24	6	3	0	0	0	0	64	1,097
WATERFORD	3	0	0	0	0	0	0	0	0	3	0
LISMORE	6	0	0	0	0	0	0	0	0	6	0
CORK	2	8	0	4	7	12	0	0	0	33	2,662
KERRY	8	4	6	3	11	15	3	1	1	52	6,279
LIMERICK	4	28	12	22	10	1	0	0	0	77	2,005
GALWAY	0	2	1	1	0	0	0	0	0	4	63
CONNEMARA	0	0	0	0	0	0	0	0	0	0	0
BALLINAKILL	5	5	3	1	2	1	0	0	0	17	355
BALLINA	0	0	0	1	0	0	0	0	0	1	26
BANGOR	0	1	8	12	3	5	0	0	0	29	1,357
SLIGO	0	0	0	0	0	0	0	0	0	0	0
BALLYSHANNON	0	5	15	41	6	0	0	0	0	67	1,934
LETTERKENNY	0	6	9	14	5	2	0	0	0	36	1,236
TOTALS	37	110	99	128	54	40	3	1	1	473	19,443
%	7.8	23.3	20.9	27.1	11.4	8.5	0.6	0.2	0.2	100	
CATCH PER BAND	0	756	1,726	4,292	3,913	5,958	804	810	1,184	19,443	
% CATCH	0	3.9	8.9	22.1	20.1	30.6	4.1	4.2	6.1	100.0	



Table 6. An analysis of the commercial catch by other fishing licences (loop, snap and bag) in 2004, on a district basis.

DISTRICT	Number of Salmon Caught							TOTAL LICENCE HOLDERS
	0	1-10	11-20	21-50	51-100	101-250	251-500	
LISMORE	3	1	0	3	0	0	0	7
WATERFORD	15	38	25	33	12	2	1	126
CORK	0	0	0	0	0	1	0	1
KERRY	0	0	0	0	1	0	0	1
LETTERKENNY	3	13	0	0	0	0	0	16
TOTALS	21	52	25	36	13	3	1	151
%	13.9	34.4	16.6	23.8	8.6	2.0	0.7	100
CATCH PER BAND	0	383	461	1317	975	412	300	3,848
% CATCH	0	10.0	12.0	34.2	25.3	10.7	7.8	100

Table 7. An analysis of the distribution of the sales and disposals for salmon caught by commercial fishermen in the drift net fishery by district in 2004.

DISTRICT	Domestic Consumption	Guesthouse B&B	Hotel	Licensed Salmon Dealers	Private Sales	Restaurant	Unknown	Total
DUNDALK	0	0	0	0	0	0	0	0
DROGHEDA	0	0	0	0	0	0	0	0
DUBLIN	0	0	0	2	0	1	0	3
WEXFORD	0	0	0	0	0	0	0	0
WATERFORD	790	0	33	3,903	3,235	43	299	8,303
LISMORE	716	0	4	6,384	1,018	148	903	9,173
CORK	1,106	34	113	9,767	4,059	1,560	2,495	19,134
KERRY	532	150	208	10,098	4,550	1,707	475	17,720
LIMERICK	669	9	14	4,377	2,851	260	968	9,148
GALWAY	181	0	4	1,180	2,014	337	20	3,736
CONNEMARA	333	0	0	1,333	898	15	47	2,626
BALLINAKILL	483	2	175	1,333	1,957	37	39	4,026
BALLINA	696	9	0	15,624	4,496	7	191	21,023
BANGOR	217	0	14	2,851	917	14	130	4,143
SLIGO	336	0	0	1,171	968	180	43	2,698
BALLYSHANNON	407	0	1	3,390	1,301	172	0	5,271
LETTERKENNY	571	131	186	9,537	2,256	207	411	13,299
TOTAL	7,037	335	752	70,950	30,520	4,688	6,021	120,303
%	5.8	0.3	0.6	59.0	25.4	3.9	5.0	100.00



Table 8. An analysis of the distribution of the sales and disposals for salmon caught by commercial fishermen in the draft net fishery by district in 2004.

DISTRICT	Domestic Consumption	Guesthouse B&B	Hotel	Licensed Salmon Dealers	Private Sales	Restaurant	Unknown	Total
DUNDALK	204	0	0	102	0	62	266	634
DROGHEDA	345	0	0	25	0	0	1,418	1,788
DUBLIN	0	0	1	0	0	0	6	7
WEXFORD	466	0	1	28	0	3	599	1,097
WATERFORD	0	0	0	0	0	0	0	0
LISMORE	0	0	0	0	0	0	0	0
CORK	108	0	35	1,301	881	188	149	2,662
KERRY	364	31	49	4,246	1,276	292	21	6,279
LIMERICK	668	0	10	222	977	60	68	2,005
GALWAY	1	0	0	0	40	0	22	63
CONNEMARA	0	0	0	0	0	0	0	0
BALLINAKILL	112	5	0	14	158	0	66	355
BALLINA	22	0	0	4	0	0	0	26
BANGOR	303	19	33	427	543	10	22	1,357
SLIGO	0	0	0	0	0	0	0	0
BALLYSHANNON	373	11	65	491	948	46	0	1,934
LETTERKENNY	293	41	20	222	515	12	133	1,236
TOTALS	3,259	107	214	7,082	5,338	673	2770	19,443
%	16.8	0.6	1.1	36.4	27.5	3.5	14.2	100

Table 9. An analysis of the distribution of the sales and disposals for salmon caught by commercial fishermen in other fishing engines in 2004 on district basis.

DISTRICT	Domestic Consumption	Guesthouse B&B	Hotel	Licensed Salmon Dealers	Private Sales	Restaurant	Unknown	Total
WATERFORD	528	0	152	1,355	1,160	8	252	3455
LISMORE	23	0	0	43	12	0	37	115
CORK	4	0	0	0	49	0	98	151
KERRY	16	0	0	0	57	0	17	90
LETTERKENNY	33	0	0	0	1	0	3	37
TOTAL	604	0	152	1,398	1,279	8	407	3848
%	15.7	0.0	4.0	36.3	33.2	0.2	10.6	100



Table 10. Total number of salmon and sea trout rod licences sold in 2003 on the basis of the Regional Fisheries Boards. The table includes the number and percentage of logbooks returned to each region.

REGION	LICENCES SOLD	LOGBOOK RETURNS	% RETURNS
EASTERN	3,343	2,120	63
SOUTHERN	3,777	1,734	46
SOUTH WESTERN	5,043	3,129	62
SHANNON	1,915	1,518	79
WESTERN	3,227	2,010	62
NORTH WESTERN	8,970	5,055	56
NORTHERN	5,534	2,522	46
NATIONAL	31,809	18,088	57

Table 11. Analysis of the quantity and types of salmon and sea trout rod licences sold in 2003 by Regional Fisheries Board and licence type.

Type of Licence	Salmon	Salmon	Salmon	Salmon	Salmon	Foyle	Spec.	
Category	Annual	District	21 Day	Juvenile	1 Day	Area Ext	Local	
	A	B	R	P	S	W	X	
REGION								REGION TOTAL
EASTERN	1,187	1,552	160	283	161	0	0	3,343
SOUTHERN	651	1,421	1,120	215	370	0	0	3,777
SOUTH WEST	1,174	1,735	983	211	940	0	0	5,043
SHANNON	497	1,042	102	131	143	0	0	1,915
WESTERN	432	717	987	130	961	0	0	3,227
NORTH WESTERN	814	2,827	3,268	469	1,589	2	1	8,970
NORTHERN	960	2,106	672	328	1,156	107	205	5,534
TOTAL LIC. SOLD	5,715	11,400	7,292	1,767	5,320	109	206	31,809



Table 12. Analysis of the quantity and types of salmon and sea trout rod licences returned in 2003, including numbers of rod licences sold by Regional Fisheries Board and the % return of each licence type.

Type of Licence	Salmon	Salmon	Salmon	Salmon	Salmon	Foyle	Spec.	
Category	Annual	District	21 Day	Juvenile	1 Day	Area Ext	Local	
	A	B	R	P	S	W	X	
REGION								REGION TOTAL
EASTERN	874	976	93	116	61	0	0	2,120
SOUTHERN	345	675	491	62	161	0	0	1,734
SOUTH WEST	845	1,189	569	85	441	0	0	3,129
SHANNON	433	903	65	56	61	0	0	1,518
WESTERN	279	452	702	52	525	0	0	2,010
NORTH WESTERN	503	1,674	1,946	177	753	1	1	5,055
NORTHERN	572	1,042	306	111	393	32	66	2,522
TOTAL LIC. RETURNED	3,851	6,911	4,172	659	2,395	33	67	18,088
TOTAL LIC. SOLD	5,715	11,400	7,292	1,767	5,320	109	206	31,809
% return per lic. type	67.4	60.6	57.2	37.3	45.0	30.3	32.5	56.9

Table 13. Distribution of salmon angling catch in 2003 determined from returned logbooks.

No. of Salmon Caught	Eastern	Southern	S. Western	Shannon	Western	N. Western	Northern	National Total
0	1,597	1,154	2,367	1,200	1,493	3,151	1,872	12,834
1	196	211	280	118	230	699	235	1,969
2	109	105	145	66	105	350	119	999
3	77	72	85	32	58	249	82	655
4	28	40	54	27	39	129	47	364
5	43	75	77	50	31	174	99	549
6	15	15	25	8	9	57	23	152
7	15	12	17	7	8	42	9	110
8	7	8	16	4	10	36	6	87
9	6	4	14	0	3	29	4	60
10	8	18	27	2	4	44	9	112
11	3	3	6	1	3	24	0	40
12	5	2	2	1	4	5	7	26
13	4	1	2	0	1	10	2	20
14	4	1	2	0	1	7	1	16
15	0	6	4	0	2	25	2	39
16	2	2	2	0	2	5	1	14
17	1	0	1	0	2	2	1	7
18	0	1	0	0	2	8	0	11
19	0	1	1	1	1	2	1	7
20	0	2	1	1	1	6	2	13
21	0	1	1	0	0	1	0	3
25	0	0	0	0	1	0	0	1
Total	2,120	1,734	3,129	1,518	2,010	5,055	2,522	18,088



Table 14. Number of salmon and sea trout caught by rod and line in each of the fisheries districts in 2003 as determined from angling logbook returns. The table shows the actual reported tagged fish as indicated in the logbooks and the adjusted catch to account for those fish captured but for which no logbook was returned. The method for raising the rod catch follows investigations published by Small (1991).

DISTRICT	Salmon Reported Catch	Salmon Adjusted Reported Catch	Sea Trout Reported Catch	Sea Trout Adjusted Catch	Total Reported Catch	Estimated Total Catch	% of Estimated
Dundalk	125	147	15	18	140	164	0.75
Drogheda	510	598	29	34	539	632	2.89
Dublin	34	40	29	34	63	74	0.34
Wexford	381	447	36	42	417	489	2.24
Waterford	1,121	1,517	71	96	1,192	1,613	7.37
Lismore	1,294	1,751	5	7	1,299	1,758	8.03
Cork	1,150	1,361	80	95	1,230	1,456	6.65
Kerry	1,048	1,240	221	262	1,269	1,502	6.86
Limerick	638	688	151	163	789	851	3.89
Galway	753	890	0	0	753	890	4.07
Connemara	55	65	0	0	55	65	0.30
Ballinakill	712	841	0	0	712	841	3.84
Ballina	5,824	7,177	49	60	5,873	7,238	33.07
Bangor	583	718	8	10	591	728	3.33
Sligo	987	1,216	11	14	998	1,230	5.62
Ballyshannon	966	1,190	26	35	992	1,226	5.60
Letterkenny	619	763	51	69	670	832	3.80
Unknown	193	237	49	59	242	296	1.35
Total	16,993	20,888	831	997	17,824	21,885	100.00



Table 15. Number of salmon caught by rod and line in the Eastern Regional Fisheries Board area in 2003 as determined from angling logbook returns. The table shows the actual reported tagged fish as indicated in the logbooks and the adjusted catch to account for those fish captured but for which no logbook was returned. The method for raising the rod catch follows investigations published by Small (1991). River names and code numbers are as per the Ordnance Survey of Ireland, Rivers and their Catchment Basins, 1958.

2003			
RIVER	CODE NO.	REPORTED CATCH	ADJUSTED CATCH
Cooley	90	1	1
Castletown	92	10	12
Fane	94	26	30
Glyde	95	54	63
Dee	96	34	40
Boyne	159	509	597
Nanny	160	1	1
Ward	164	1	1
Liffey	168	17	20
Dargle	169	14	16
Ow	171	2	2
Slaney	175	378	443
Owenavorrhagh	177	1	1
Malahide	248	2	2

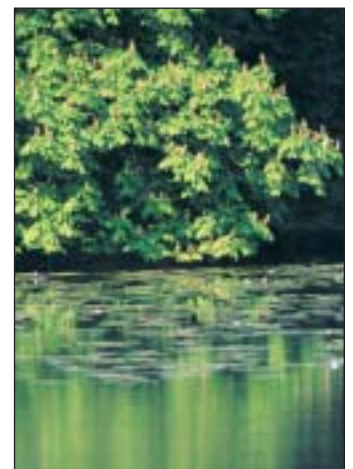




Table 16. Number of sea trout caught by rod and line in the Eastern Regional Fisheries Board area in 2003 as determined from angling logbook returns. The table shows the actual reported tagged fish as indicated in the logbooks and the adjusted catch to account for those fish captured but for which no logbook was returned. The method for raising the rod catch follows investigations published by Small (1991). River names and code numbers are as per the Ordnance Survey of Ireland, Rivers and their Catchment Basins, 1958.

2003			
RIVER	CODE NO.	REPORTED CATCH	ADJUSTED CATCH
Castletown	92	7	8
Fane	94	2	2
Glyde	95	5	6
Dee	96	1	1
Boyne	159	29	34
Liffey	168	2	2
Dargle	169	27	32
Redcross	174	1	1
Slaney	175	30	36
Sow	178	5	6





Table 17. Number of salmon caught by rod and line in the Southern Regional Fisheries Board area in 2003 as determined from angling logbook returns. The table shows the actual reported tagged fish as indicated in the logbooks and the adjusted catch to account for those fish captured but for which no logbook was returned. The method for raising the rod catch follows investigations published by Small (1991). River names and code numbers are as per the Ordnance Survey of Ireland, Rivers and their Catchment Basins, 1958.

2003			
RIVER	CODE NO.	REPORTED CATCH	ADJUSTED CATCH
Owenduff	181	200	271
Suir	182	320	433
Barrow	183	207	280
Nore	184	389	526
Mahon	185	1	1
Colligan	188	3	4
Blackwater (Munster)	190	1,293	1750
WATERFORD DISTRRICT	257	1	1
LISMORE DISTRICT	258	1	1

Table 18. Number of sea trout caught by rod and line in the Southern Regional Fisheries Board area in 2003 as determined from angling logbook returns. The table shows the actual reported tagged fish as indicated in the logbooks and the adjusted catch to account for those fish captured but for which no logbook was returned. The method for raising the rod catch follows investigations published by Small (1991). River names and code numbers are as per the Ordnance Survey of Ireland, Rivers and their Catchment Basins, 1958.

2003			
RIVER	CODE NO.	REPORTED CATCH	ADJUSTED CATCH
Corock	180	7	9
Owenduff	181	26	35
Suir	182	1	1
Mahon	185	4	5
Tay	186	2	3
Colligan	188	30	41
Blackwater(Munster)	190	5	7
WATERFORD DISTRICT	257	1	1



Table 19. Number of salmon caught by rod and line in the South Western Regional Fisheries Board area in 2003 as determined from angling logbook returns. The table shows the actual reported tagged fish as indicated in the logbooks and the adjusted catch to account for those fish captured but for which no logbook was returned. The method for raising the rod catch follows investigations published by Small (1991). River names and code numbers are as per the Ordnance Survey of Ireland, Rivers and their Catchment Basins, 1958.

2003			
RIVER	CODE NO.	REPORTED CATCH	ADJUSTED CATCH
Owenanacurra	192	1	1
Maine	197	14	17
Owenascaul	200	2	2
Owenmore (Brandon)	203	1	1
Laune	207	409	484
Caragh	208	115	136
Behy	209	1	1
Ferta	210	2	2
Inny (Knockmoyle)	212	21	25
Cummeragh	213	199	235
Sneem	214	35	41
Blackwater (Kerry)	215	45	53
Roughy	217	97	115
Sheen	218	16	19
Glengarriff	219	3	4
Owenshagh	221	4	5
Glanmore R.L.	222	15	18
Coomhola	225	20	24
Owvane	226	9	11
Meallagh	227	14	17
Lee (Cork)	228	498	589
Bandon	229	470	556
Owenboy	230	1	1
Argideen	232	5	6
Ilen	233	77	91
CORK DISTRICT	259	52	62
KERRY DISTRICT	260	72	85



Table 20. Number of sea trout caught by rod and line in the South Western Regional Fisheries Board area in 2003 as determined from angling logbook returns. The table shows the actual reported tagged fish as indicated in the logbooks and the adjusted catch to account for those fish captured but for which no logbook was returned. The method for raising the rod catch follows investigations published by Small (1991). River names and code numbers are as per the Ordnance Survey of Ireland, Rivers and their Catchment Basins, 1958.

2003			
RIVER	CODE NO.	REPORTED CATCH	ADJUSTED CATCH
Owenanacurra	192	12	14
Glashaboy	193	2	2
Maine	197	10	12
Laune	207	10	11
Caragh	208	9	11
Ferta	210	2	2
Inny (Knockmoyle)	212	9	11
Cummeragh	213	158	187
Owenshagh	221	1	1
Glanmore R.L.	222	1	1
Lee (Cork)	228	15	18
Bandon	229	21	25
Argideen	232	13	15
llen	233	13	15
CORK DISTRICT	259	4	5
KERRY DISTRICT	260	21	25



Table 21. Number of salmon caught by rod and line in the Shannon Regional Fisheries Board area in 2003 as determined from angling logbook returns. The table shows the actual reported tagged fish as indicated in the logbooks and the adjusted catch to account for those fish captured but for which no logbook was returned. The method for raising the rod catch follows investigations published by Small (1991). River names and code numbers are as per the Ordnance Survey of Ireland, Rivers and their Catchment Basins, 1958.

2003			
RIVER	CODE NO.	REPORTED CATCH	ADJUSTED CATCH
Inagh	149	9	10
Annageeragh	152	5	5
Doonbeg	154	7	8
Shannon	155	311	335
Fergus	158	40	43
Feale	194	266	287

Table 22. Number of sea trout caught by rod and line in the Shannon Regional Fisheries Board area in 2003 as determined from angling logbook returns. The table shows the actual reported tagged fish as indicated in the logbooks and the adjusted catch to account for those fish captured but for which no logbook was returned. The method for raising the rod catch follows investigations published by Small (1991). River names and code numbers are as per the Ordnance Survey of Ireland, Rivers and their Catchment Basins, 1958.

2003			
RIVER	CODE NO.	REPORTED CATCH	ADJUSTED CATCH
Doonbeg	154	4	4
Shannon	155	5	5
Inch	158	13	14
Feale	194	129	139



Table 23. Number of salmon caught by rod and line in the Western Regional Fisheries Board area in 2003 as determined from angling logbook returns. The table shows the actual reported tagged fish as indicated in the logbooks and the adjusted catch to account for those fish captured but for which no logbook was returned. The method for raising the rod catch follows investigations published by Small (1991). River names and code numbers are as per the Ordnance Survey of Ireland, Rivers and their Catchment Basins, 1958.

2003			
RIVER	CODE NO.	REPORTED CATCH	ADJUSTED CATCH
Belclare R.	126	17	20
Bunowen (Clew Bay)	127	31	37
Carrownisky	128	14	17
Bundorragha	130	327	387
Erriff	131	209	247
Culfin	132	9	11
Dawros	133	39	46
Clifden R.	135	66	78
Ballynahinch	136	24	28
Fermoyle & Costello	138	12	15
Owenriff	140	12	14
Owenboliska (Boliska)	141	1	1
Corrib	143	736	869
Kilcolgan	145	3	3
Screebe R. & L.	239	19	23
GALWAY DISTRICT	262	1	1





Table 24. Number of salmon caught by rod and line in the North Western Regional Fisheries Board area in 2003 as determined from angling logbook returns. The table shows the actual reported tagged fish as indicated in the logbooks and the adjusted catch to account for those fish captured but for which no logbook was returned. The method for raising the rod catch follows investigations published by Small (1991). River names and code numbers are as per the Ordnance Survey of Ireland, Rivers and their Catchment Basins, 1958.

2003			
RIVER	CODE NO.	REPORTED CATCH	ADJUSTED CATCH
Glenamoy	100	18	22
Ballinlen	102	2	2
Palmerstown	104	3	4
Owenmore R.	105	492	607
Burrisshoole Fishery	107	17	20
Newport R. (Bangor)	108	56	69
Moy R.	110	5,606	6,908
Easky	114	213	262
Ballysadare	116	823	1,014
Gill L.	117	85	105
Drumcliff	119	48	59
SLIGO DISTRICT	267	23	28





Table 25. Number of sea trout caught by rod and line in the North Western Regional Fisheries Board area in 2003 as determined from angling logbook returns. The table shows the actual reported tagged fish as indicated in the logbooks and the adjusted catch to account for those fish captured but for which no logbook was returned. The method for raising the rod catch follows investigations published by Small (1991). River names and code numbers are as per the Ordnance Survey of Ireland, Rivers and their Catchment Basins, 1958.

2003			
RIVER	CODE NO.	REPORTED CATCH	ADJUSTED CATCH
Glenamoy	100	1	1
Cloonalaghan	103	5	6
Palmerstown	104	7	9
Owenmore R.	105	7	9
Moy	110	32	39
Leaffony	112	2	2
Easky	114	2	2
Garvogue	117	2	2
Drumcliff	119	3	4
BALLINA DISTRICT	265	1	1
SLIGO DISTRICT	267	6	7





Table 26. Number of salmon caught by rod and line in the Northern Regional Fisheries Board area in 2003 as determined from angling logbook returns. The table shows the actual reported tagged fish as indicated in the logbooks and the adjusted catch to account for those fish captured but for which no logbook was returned. The method for raising the rod catch follows investigations published by Small (1991). River names and code numbers are as per the Ordnance Survey of Ireland, Rivers and their Catchment Basins, 1958.

2003			
RIVER	CODE NO.	REPORTED CATCH	ADJUSTED CATCH
Ray	3	13	16
Crana	9	69	85
Carey	18	1	1
Crolly R.	22	19	23
Clady	23	92	113
Tullaghobegly	24	29	36
Lackagh	27	35	43
Leannan	31	57	71
Owenamarve	47	3	4
Gweebarra	48	73	90
Owenea	50	217	267
Swilly	51	5	6
Glen	52	90	111
Stragar R.	54	9	11
Oily	55	5	6
Owentucker	56	1	1
Eany Water	57	218	268
Eask L. (Eske)	58	33	41
Ballintra	60	3	4
Duff	120	185	228
Drowes	121	387	477
Erne	123	44	53
Dungloe L.	238	1	1
LETTERKENNY DISTRICT	269	4	5



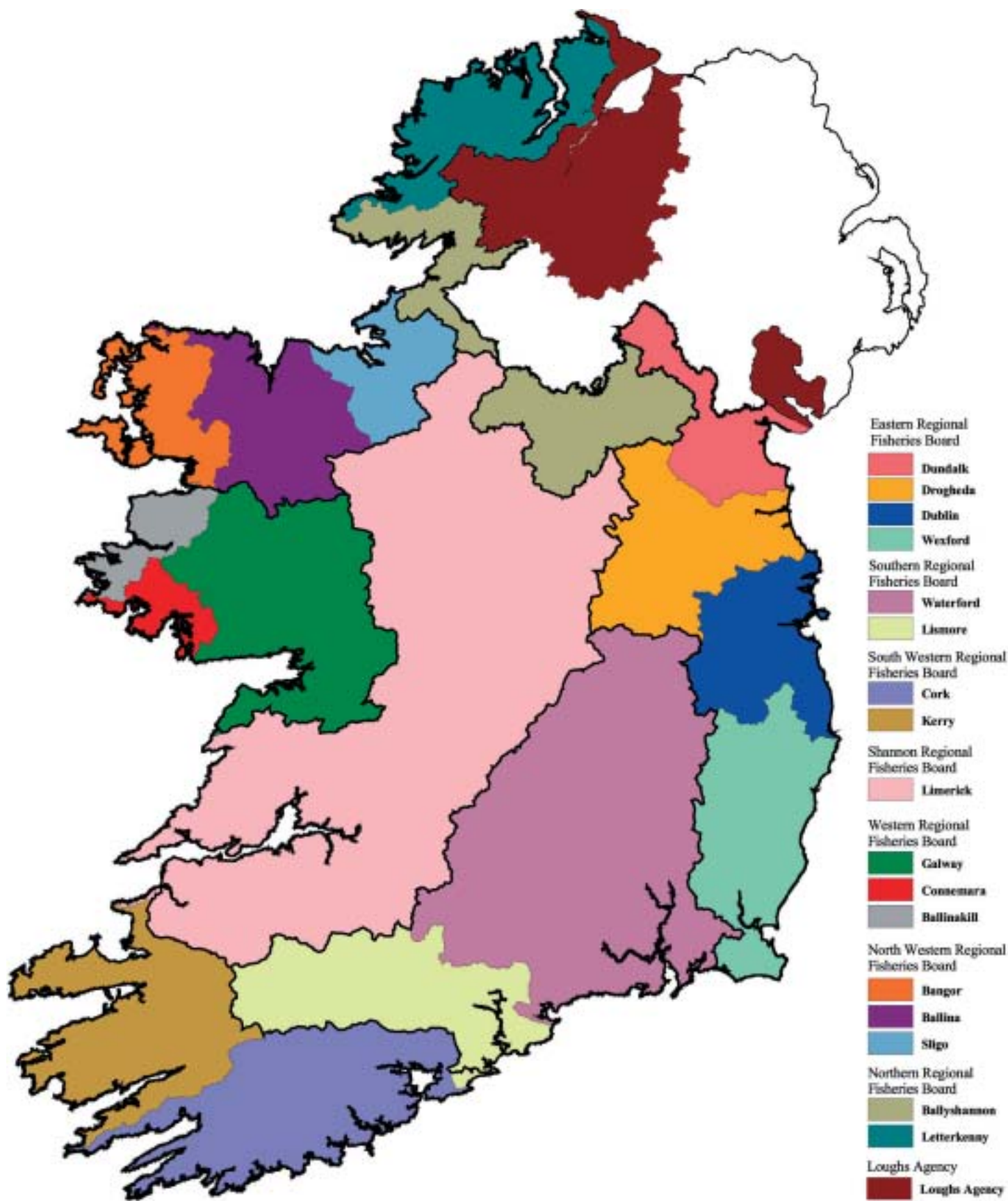
Table 27. Number of sea trout caught by rod and line in the Northern Regional Fisheries Board area in 2003 as determined from angling logbook returns. The table shows the actual reported tagged fish as indicated in the logbooks and the adjusted catch to account for those fish captured but for which no logbook was returned. The method for raising the rod catch follows investigations published by Small (1991). River names and code numbers are as per the Ordnance Survey of Ireland, Rivers and their Catchment Basins, 1958.

2003			
RIVER	CODE NO.	REPORTED CATCH	ADJUSTED CATCH
Ray	3	8	11
Croly R.	22	2	3
Tullaghobegly	24	1	1
Lackagh	27	5	7
Leannan	31	2	3
Mill	34	1	1
Gweebarra	48	4	5
Owenea	50	3	4
Swilly	51	1	1
Owentucker	56	1	1
Eany Water	57	3	4
Drowes	121	1	1
Erne	123	22	30
ISLE OF DOAGH	245	13	18
LETTERKENNY DISTRICT	269	10	14



Table 28. Total number of salmon and sea trout rod licences sold in 2003 by angler nationality (taken from the address supplied at the time the licence was purchased).

Country	Eastern	Southern	S.Western	Shannon	Western	N.Western	Northern	Total
Australia		6	7		3	5	1	22
Austria	1	2	8		13	39		63
Belgium	1	28	22	2	15	47	3	118
Bulgaria								0
Canada	1	5	16		8	6		36
Channel Islands						3		3
Czech Republic								0
Cyprus								0
Denmark	1	13	8	1	11	12		46
Egypt					1			1
England	31	358	41	11		1,286	115	1,842
Finland			4		3	1		8
France	19	83	96	21	78	655	24	976
Germany	8	12	122	7	86	454	120	809
Greece					1			1
Iceland		9			3	2		14
Ireland	3,236	2,327	3,429	1,743	1,605	3,946	1,300	17,586
Isle of Man			2	1		28	1	32
Israel						1		1
Italy		30	10		18	37		95
Japan						1		1
Lithuania								0
Luxembourg		4	3		5	6		18
Mauritius								0
Mexico					4			4
Netherlands	1	4	39	5	14	35	5	103
New Zealand			1		2		2	5
Northern Ireland		51	51	5	162	1,559	2,271	4,099
Norway		6	2		7	4	1	20
Poland								0
Portugal		1			3			4
Russia					1			1
Scotland	7	33	37	6	37	288	37	445
South Africa		6	5		6	5		22
Spain	2	13	1	2	3	12		33
Sweden	1	4	6	2		3		16
Switzerland		25	28	1	57	101	30	242
United Arab Emirates						1		1
U.K. (country not specified)	24	481	686	21	702	144	22	2,080
Unknown	6	120	177	76	95	38	1,575	2,087
U.S.A.	1	104	197	9	273	87	13	684
Wales	3	52	44	2	11	164	14	290
West Indies		0	1					1
Total	3,343	3,777	5,043	1,915	3,227	8,970	5,534	31,809



Map of Ireland Showing the 17 Fishery Districts and the 7 Regional Fisheries Boards



THE FISHERIES BOARDS OFFICES

Central Fisheries Board

Swords Business Campus, Balheary Road,
Swords, Co. Dublin
Tel: (01) 884 2600 Fax: (01) 836 0060
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Web: www.cfb.ie

Eastern Regional Fisheries Board

15A, Main Street, Blackrock, Co. Dublin.
Tel: (01) 278 7022 Fax: (01) 278 7025
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Web: www.fishingireland.net

Southern Regional Fisheries Board

Anglesea Street, Clonmel, Co. Tipperary.
Tel: (052) 80055 Fax: (052) 23971
Email: enquiries@srfb.ie
Web: www.srfb.ie

South Western Regional Fisheries Board

1 Nevilles Terrace, Masseytown, Macroom, Co. Cork.
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Shannon Regional Fisheries Board

Ashbourne Business Park, Dock Road, Limerick.
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Western Regional Fisheries Board

Weir Lodge, Earl's Island, Galway.
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North Western Regional Fisheries Board

Ardnaree House, Abbey Street, Ballina, Co. Mayo.
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Northern Regional Fisheries Board

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