

Scottish Sea
Fisheries
Statistics
1999



SCOTTISH EXECUTIVE

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Scottish Executive Rural Affairs Department

Scottish Sea Fisheries Statistics, 1999

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Scottish Sea Fisheries Statistics, 1999

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Table 1. Landings by Scottish based vessels and Scottish GDP, 1995 to 1998

	1995	1996	1997	1998
Landings by Scottish based vessels (£ million)	328	364	359	400
Scottish GDP (£ million)	55,249	56,991	58,578	61,052
Landings as % of GDP	0.6	0.6	0.6	0.7

1997 and 1998 GDP figures are provisional; data consistent with ESA95

Table 2. Employment in fishing and Scottish labour force, 1995 to 1999

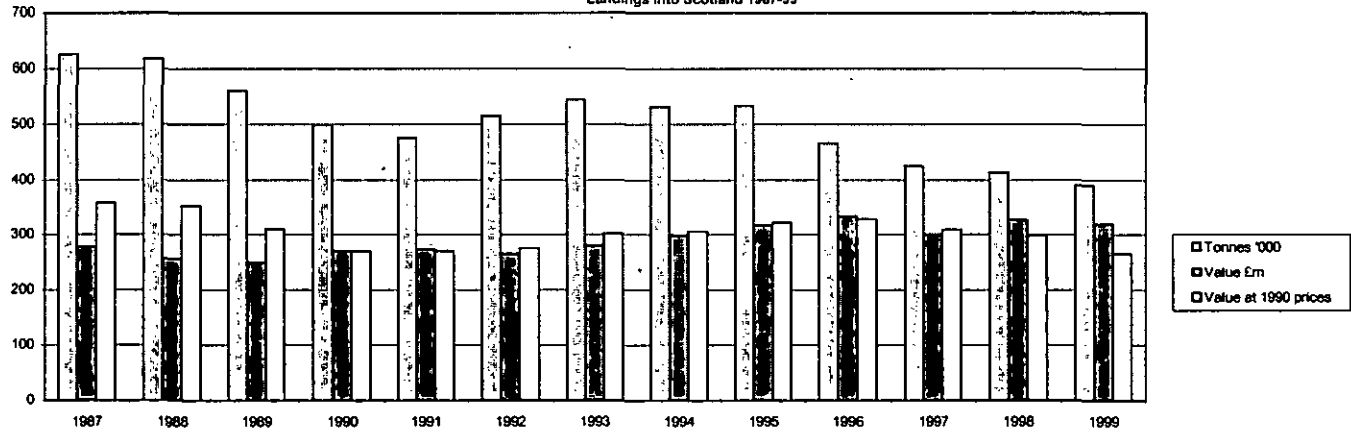
	1995	1996	1997	1998	1999
Total employed in fishing industry	8,395	8,084	8,194	7,771	7,330
Total labour force ('000)	2,281	2,252	2,278	2,301	2,301
Employment in fishing as % of labour force	0.4	0.4	0.4	0.3	0.3

Table 3. Value of landings by Scottish based vessels and fishermen employed, by region 1996 and 1999

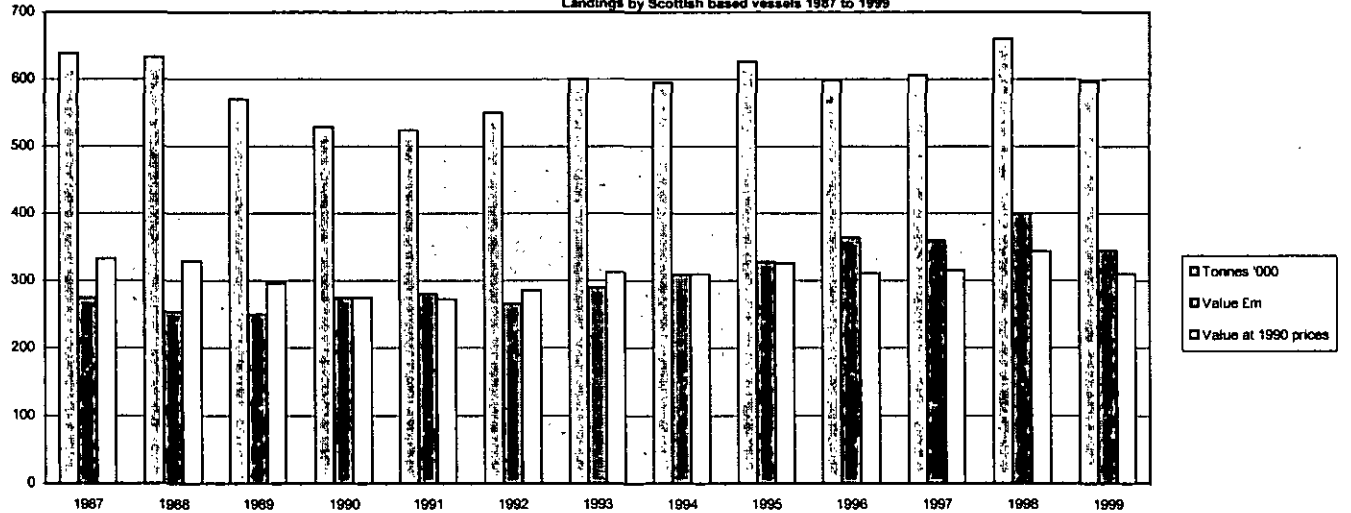
	Scottish GDP (1) 1996	Landings (2) 1996	As % GDP 1996	Labour force (3)	Fishermen employed	As % labour force
Borders	1,000	7.2	0.7	49.3	145	0.29
Central	2,768	0.0	0.0	122.4	0	0.00
Dumfries & Galloway	1,469	3.9	0.3	65.8	290	0.44
Fife	3,114	7.8	0.3	156.9	182	0.12
Grampian	7,524	217.4	2.9	263.5	2,656	1.01
Highland & Islands	2,425	91.5	3.8	125.1	2,566	2.05
Lothian	10,170	5.4	0.1	387.0	144	0.04
Strathclyde	21,988	28.4	0.1	955.2	1,236	0.13
Tayside	3,973	2.7	0.1	176.3	111	0.06

(1) £ million at factor cost - 1996 (2) £ million - estimated (3) thousands, Labour Force Survey winter 1999

Landings Into Scotland 1987-99



Landings by Scottish based vessels 1987 to 1999



Number of Scottish based vessels 1987-99

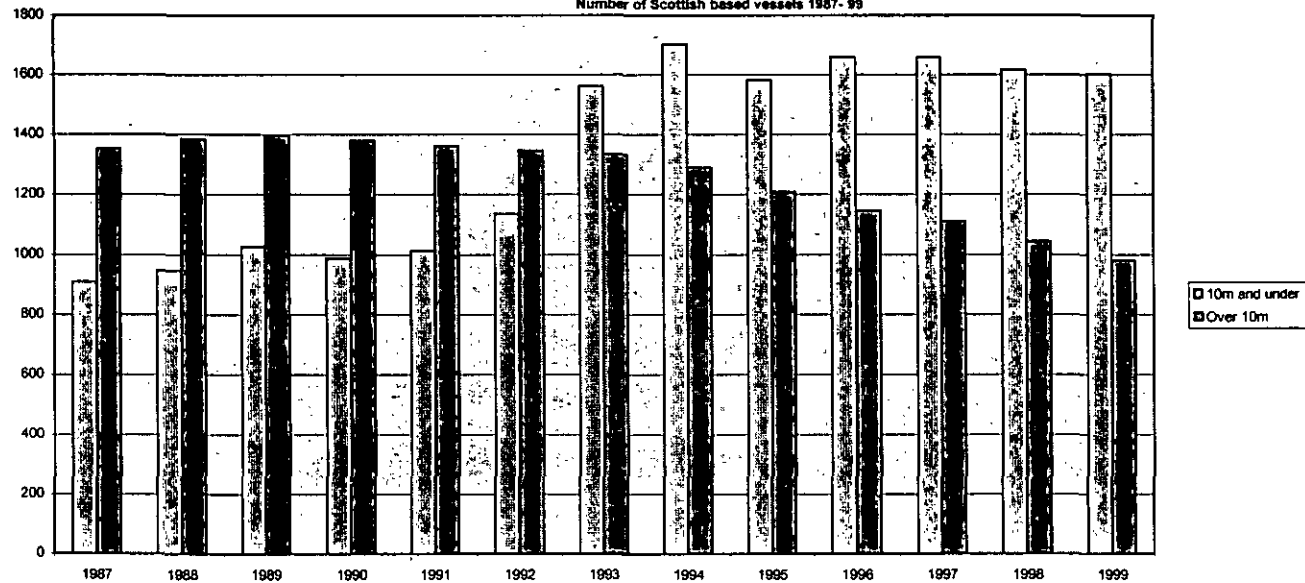


Table 4. Active Scottish based (1) vessels, total tonnage and power, by overall length, 31st December 1989 to 1999

		10 metres	>10 <15	15<20	20<25	25<30	30<35	35 metres	Total	Over 10 metres	
		& under	metres	metres	metres	metres	metres	& over		Number	Average
Number	1989	1,027	467	424	328	108	20	50	2,424	1,397	18.71
	1990	988	472	406	323	110	22	47	2,368	1,380	18.68
	1991	1,013	463	398	315	109	25	52	2,375	1,362	18.80
	1992	1,135	445	396	307	114	27	58	2,482	1,347	19.00
	1993	1,562	438	379	300	118	30	68	2,895	1,333	19.23
	1994	1,703	430	356	289	120	28	68	2,994	1,291	19.26
	1995	1,583	397	331	279	121	23	58	2,792	1,209	19.26
	1996	1,668	357	305	260	132	22	62	2,806	1,138	19.61
	1997	1,659	348	298	247	133	18	67	2,770	1,111	19.69
	1998	1,616	328	272	229	134	17	65	2,661	1,045	19.80
1999	1,604	298	263	209	128	19	64	2,585	981	19.95	
Total tonnes (1)	1989	3,538	6,490	13,910	20,039	11,145	2,787	20,545	78,454	74,916	53.63
	1990	3,401	6,525	13,439	19,605	11,897	3,542	17,429	75,838	72,437	52.49
	1991	3,452	6,537	13,324	19,269	12,151	4,171	20,941	79,845	76,393	56.09
	1992	3,961	6,395	13,269	18,844	13,046	4,732	23,139	83,386	79,425	58.96
	1993	5,070	6,320	12,747	18,951	13,458	6,036	26,505	89,087	84,017	63.03
	1994	5,466	6,160	12,076	18,416	14,001	5,773	29,097	90,989	85,523	66.25
	1995	5,191	5,678	11,232	18,133	15,070	4,268	30,203	89,775	84,584	69.96
	1996	5,530	5,209	10,442	17,064	17,423	4,096	41,432	101,196	95,666	84.07
	1997	5,537	5,143	10,182	16,175	17,772	3,860	46,470	105,138	99,602	89.65
	1998	5,357	4,776	9,250	15,215	18,446	4,815	51,352	109,210	103,854	99.38
1999	5,537	4,382	10,450	25,077	27,044	6,408	52,804	131,701	126,165	128.61	
Total power (kW)	1989	34,569	45,748	87,432	111,258	54,501	12,519	65,963	411,990	377,421	270.17
	1990	33,416	48,958	85,567	111,167	56,184	14,359	62,124	411,775	378,359	274.17
	1991	35,633	49,110	83,885	109,129	55,750	16,938	68,846	419,291	383,658	281.69
	1992	41,535	48,008	84,676	107,822	58,712	17,903	77,474	436,130	394,595	292.94
	1993	63,892	48,736	83,358	109,554	60,304	20,327	90,028	476,199	412,307	309.31
	1994	68,812	48,657	79,973	107,084	61,545	18,088	90,606	474,765	405,953	314.45
	1995	64,789	45,725	74,874	106,107	62,479	14,146	80,987	449,107	384,318	317.88
	1996	70,949	42,234	70,392	101,103	69,596	13,682	90,725	458,681	387,732	340.71
	1997	71,419	41,489	68,837	97,373	70,392	11,037	97,113	457,661	386,241	347.65
	1998	69,255	39,341	63,511	91,374	71,428	12,771	102,290	449,970	380,715	364.32
1999	71,684	35,686	61,630	84,070	69,633	15,002	101,723	439,428	367,744	374.87	

The increase in tonnage in 1998 and 1999 is due to re-measurement of vessels from GRT to GT.

(1) A Scottish based vessel is one administered at a Scottish port. A Scottish registered vessel is one which is registered at a Scottish port on the Register of Shipping and Seamen.

Table 5. Active Scottish based vessels, total tonnage and power, by age, 31st December 1999

		10 metres	>10 <15	15<20	20<25	25<30	30<35	35 metres	Total	Over 10 metres
		& under	metres	metres	metres	metres	metres	& over		
Number	Under 10 years	325	33	14	28	28	7	20	455	130
	10<15	261	69	24	50	32	0	5	441	180
	15<20	228	39	34	42	11	1	14	369	141
	20<25	171	29	34	41	26	2	8	311	140
	25<30	124	62	68	25	23	4	3	309	185
	30<35	60	17	49	11	3	1	3	144	84
	35 years & over	131	34	33	9	2	2	4	215	84
	Not known	304	15	7	3	3	2	7	341	37
	Total	1604	298	263	209	128	19	64	2585	981
	Average age (years)	19.1	21.8	25.5	18.5	16.7	17.8	15.5	19.9	21.0
Total tonnage	Under 10 years	1202	526	851	4528	7988	3375	27379	45849	44647
	10<15	825	1089	1510	6979	7295	0	3510	21208	20383
	15<20	843	621	1842	4944	2203	242	7532	18226	17384
	20<25	634	358	1211	4285	4427	597	4559	16071	15437
	25<30	501	790	2303	2185	3409	862	1115	11164	10664
	30<35	213	281	1549	1005	791	180	1147	5167	4953
	35 years & over	446	496	912	679	236	403	1126	4298	3852
	Not known	873	221	272	472	694	749	6436	9717	8844
	Total	5537	4382	10450	25077	27044	6408	52804	131701	126164
	Total power (kW)	Under 10 years	19715	5408	4488	13393	18360	6979	45219	113562
10<15		12043	10224	7323	22146	18073	0	6142	75951	63908
15<20		10783	4511	9975	16077	5188	739	19746	67019	56236
20<25		6994	2853	8636	15569	13122	1309	10807	59290	52296
25<30		4780	5798	15299	8557	10947	2765	2499	50645	45865
30<35		1999	1802	8956	3514	1539	559	2666	21035	19036
35 years & over		3254	2824	5476	2750	722	815	2168	18009	14755
Not known		12116	2266	1477	2063	1682	1836	12477	33917	21801
Total	71684	35686	61630	84070	69633	15002	101723	439428	367744	

Table 6. Active Scottish based vessels: number, total tonnage and power by overall length, 31 December 1999

Length	Tonnes	Vessels	Total tonnes
10 m & under	<40	1604	5537
>10 <15	<40	297	4341
	40<60	1	41
	Total	298	4382
15<20	<40	171	4682
	40<60	68	3196
	60<80	5	365
	80<100	4	346
	100<150	13	1548
	150<200	2	314
Total	263	10450	
20<25	<40	1	39
	40<60	45	2248
	60<80	25	1747
	80<100	14	1219
	100<150	57	7287
	150<200	51	8886
	200<300	15	3342
	300<500	1	309
Total	209	25077	
25<30	60<80	4	290
	80<100	6	531
	100<150	14	1770
	150<200	41	7017
	200<300	46	10847
	300<500	17	6589
Total	128	27044	
30<35	150<200	4	716
	200<300	7	1702
	300<500	2	692
	Over 500	6	3298
Total	19	6408	
35 & over	200<300	4	1013
	300<500	23	9128
	Over 500	37	42663
Total	64	52804	
Total	Under 40	2073	14599
	40<60	114	5484
	60<80	34	2401
	80<100	24	2095
	100<150	84	10606
	150<200	98	16933
	200<300	72	16904
	300<500	43	16718
	Over 500	43	45961
	Total	2585	131701

Length	kW	Vessels	Total power
10 m & under	<40	934	16276
	40<75	355	19137
	75<150	263	26027
	150<225	42	7701
	225<375	10	2542
Total	1604	71684	
>10<15	<40	3	104
	40<75	41	2537
	75<150	190	19777
	150<225	45	8356
	225<375	19	4912
Total	298	35686	
15<20	40<75	2	133
	75<150	38	4740
	150<225	89	17132
	225<375	127	36584
	375<550	7	3041
	Total	263	61630
20<25	75<150	1	149
	150<225	6	1198
	225<375	97	32957
	375<550	90	40266
	550<750	15	9499
Total	209	84070	
25<30	150<225	2	442
	225<375	8	2754
	375<550	62	29286
	550<750	54	35017
	Over 750	2	2133
Total	128	69633	
30<35	375<550	3	1358
	550<750	10	6618
	Over 750	6	7026
Total	19	15002	
35 & over	375<550	2	984
	550<750	10	6588
	Over 750	52	94152
	Total	64	101723
Total	Under 40	937	16380
	40<75	398	21807
	75<150	492	50693
	150<225	184	34829
	225<375	261	79749
	375<550	164	74935
	550<750	89	57722
	Over 750	60	103311
	Total	2585	439428

Table 7. Active Scottish based vessels by main fishing method, 31 December 1989 to 1999

	Main method												Total
	Pelagic				Demersal					Shellfish			
	Purse seine	Pelagic trawl	Other	Total	Trawl	Seine	Lines	Other	Total	Nephrop trawl	Other	Total	
1989	46	14	2	62	394	223	61	24	702	460	1200	1660	2424
1990	47	13	2	62	386	217	53	22	678	458	1170	1628	2368
1991	40	14	2	56	371	219	44	20	654	462	1203	1665	2375
1992	40	12	2	54	391	208	45	21	665	433	1330	1763	2482
1993	37	12	4	53	426	192	53	31	702	404	1736	2140	2895
1994	37	14	1	52	378	174	78	39	669	416	1857	2273	2994
1995	26	17	2	45	429	129	84	28	670	368	1709	2077	2792
1996	29	16	-	45	465	115	50	29	659	299	1803	2102	2806
1997	28	17	-	45	429	104	37	39	609	339	1777	2116	2770
1998	26	17	-	43	405	96	43	41	585	311	1722	2033	2661
1999	22	19	-	41	390	87	38	39	554	309	1681	1990	2585

Table 8. Active Scottish based vessels by main fishing method and overall length, 31st December 1999

	10 metres & under	>10<15 metres	15<20 metres	20<25 metres	25<30 metres	30<35 metres	35 metres & over	Total
Purse seine	0	0	0	0	0	0	21	21
Pelagic trawl	0	0	0	0	0	1	18	19
Other pelagic	0	0	0	0	0	0	0	0
Pelagic total	0	0	0	0	0	1	39	40
Demersal single trawl	15	11	82	116	64	7	9	304
Demersal pair trawl	0	0	8	17	22	1	0	48
Seine net	0	2	12	38	16	0	0	68
Lines	34	1	0	0	0	2	1	38
Demersal pair seine	0	0	0	10	9	0	0	19
Demersal gill nets	23	3	1	0	7	1	2	37
Demersal twin/mult trawl	0	0	4	10	6	2	0	22
Beam trawl	0	0	0	0	1	2	13	16
Other demersal	2	1	0	0	0	0	0	3
Demersal total	74	18	107	191	125	15	25	555
Creel fishing	1411	115	8	1	0	0	0	1535
Nephrop trawl	73	128	101	7	0	0	0	309
Mechanical dredging	13	28	47	10	3	3	0	104
Suction dredging	0	2	0	0	0	0	0	2
Shell fishing by hand	29	7	0	0	0	0	0	36
Shrimp trawl	4	0	0	0	0	0	0	4
Shellfish total	1530	280	156	18	3	3	0	1990
Total	1604	298	263	209	128	19	64	2585

Table 9. Active Scottish based vessels by base district and overall length, 31st December 1999

	10 metres & under	>10<15 metres	15<20 metres	20<25 metres	25<30 metres	30<35 metres	35 metres & over	Total
Eyemouth	66	24	12	9	2	0	0	113
Pittenweem	78	15	8	7	1	0	0	109
Aberdeen	70	8	7	10	7	0	1	103
Peterhead	29	6	15	30	35	3	20	138
Fraserburgh	82	4	35	76	40	3	22	262
Buckie	22	3	15	41	10	2	2	95
Wick	99	21	14	3	2	0	0	139
Total east coast	446	81	106	176	97	8	45	959
Orkney	144	34	7	2	5	2	2	196
Shetland	181	18	11	13	12	1	9	245
Stornoway	267	41	22	0	0	0	2	332
Total islands	592	93	40	15	17	3	13	773
Kinlochbervie	19	1	4	0	0	0	0	24
Lochinver	9	5	4	4	1	1	0	24
Ullapool	36	14	7	0	0	0	0	57
Mallaig	158	33	30	6	1	0	0	228
Oban	136	26	6	0	1	0	0	169
Campbeltown	125	31	31	0	0	0	0	187
Ayr	83	14	35	8	11	7	6	164
Total west coast	566	124	117	18	14	8	6	853
Total	1604	298	263	209	128	19	64	2585

Table 10. Active Scottish registered vessels : number, total tonnage and power, by overall length, 31st December 1997 to 1999

		10 metres & under	>10<15 metres	15<20 metres	20<25 metres	25<30 metres	30<35 metres	35 metres & over	Total	Over 10 metres
i) Number	1997	1624	385	388	282	140	28	77	2924	1300
	1998	1609	368	371	267	141	28	76	2860	1251
	1999	1622	310	312	225	128	26	72	2695	1073
ii) Total tonnes	1997	5329	5723	12974	18087	18156	5827	49782	115878	110549
	1998	5328	5573	12421	17332	18910	6911	55865	122340	117012
	1999	5372	4699	12254	27609	27471	8063	56812	142280	136908
iii) Total power	1997	67512	44798	84935	105656	73619	18243	105487	500250	432738
	1998	68157	43749	82038	101485	74571	20331	111887	502219	434062
	1999	70139	37297	71210	87360	69708	19067	110998	465780	395640

Table 11. Active Scottish registered vessels by base district and overall length, 31 December 1999

	>10<15 metres	15<20 metres	20<25 metres	25<30 metres	30<35 metres	35 metres & over	Total
East coast Scottish ports	68	105	178	97	9	45	502
West coast Scottish ports	107	113	13	9	9	3	254
Orkney, Shetland, W1	89	37	15	18	3	13	175
East coast English ports	14	29	6	0	0	4	53
Northern Irish ports	7	10	5	0	0	0	22
West coast English & ports in Wales	13	12	6	3	4	6	44
South & south west English ports	12	6	2	1	1	1	23
Total	310	312	225	128	26	72	1073

Table 16. Average value of landings into Scotland by UK vessels, by main species 1992 to 1999

	£ per tonne (standard weight) (1)							
	1992	1993	1994	1995	1996	1997	1998	1999
Blue ling	841	684	872	910	836	723	822	914
Blue mouths	-	-	461	1,055	567	359	600	917
Catfish	1,217	1,378	1,569	1,771	1,721	1,499	1,735	1,719
Cod	1,329	1,142	1,181	1,004	1,076	1,121	1,301	1,584
Conger eels	410	393	476	497	389	394	533	516
Dabs	422	457	525	592	581	594	540	599
Dogfish	927	944	1,086	958	1,005	846	1,032	1,021
Forkbeard	452	1,137	430	708	640	613	737	815
Greenland halibut	1,006	-	1,268	1,454	1,629	1,707	1,889	1,801
Haddock	852	719	751	738	703	615	788	952
Hake	1,663	1,756	1,872	1,260	1,647	1,638	1,541	1,485
Halibut	3,808	3,934	3,815	2,495	3,131	3,053	4,314	3,186
Lemon sole	1,955	2,146	2,311	2,022	2,023	2,017	1,983	1,996
Ling	925	779	848	873	876	797	972	1,144
Megrim	1,903	1,805	1,734	1,543	1,507	1,364	1,423	1,668
Monks	2,616	2,474	2,459	2,287	2,182	2,267	2,676	2,970
Plaice	996	1,032	1,104	1,063	1,223	1,019	995	1,126
Pollack (Lythe)	1,062	951	914	868	897	929	1,067	1,236
Roes	1,332	1,252	1,473	1,423	1,153	1,386	1,232	1,239
Roundnose grenadier	499	587	441	452	612	702	550	652
Redfish	497	486	722	780	752	788	861	862
Saithe (Coalfish)	498	423	438	518	494	461	582	556
Sandeels	45	42	49	54	54	56	63	42
Scabbard fish	-	-	461	1,107	1,298	781	1,195	1,347
Sharks	832	2,562	2,100	1,066	1,099	1,808	1,815	1,376
Skates & rays	723	781	811	822	848	738	809	842
Turbot	4,631	3,675	3,986	4,077	4,342	3,494	4,328	4,239
Tusk	588	627	636	607	560	604	700	815
Whiting	555	534	559	555	596	533	584	630
Witches	1,273	1,236	1,444	1,376	1,442	1,049	878	1,042
Other flatfish	-	-	-	1,171	1,297	1,259	1,463	1,351
Other or mixed demersal	667	698	802	776	796	605	834	810
Total demersal	1,008	907	929	911	948	862	1,004	1,134
Argentines	425	342	323	367	356	198	347	302
Blue whiting	51	59	46	52	54	55	59	38
Herring	103	110	114	115	119	109	120	109
Horse mackerel	53	84	76	112	136	159	138	141
Mackerel	124	135	135	145	287	379	443	210
Sprats	120	106	117	120	122	119	121	121
Pilchards	-	-	-	160	114	0	114	200
Other pelagic	-	-	-	-	-	-	432	1,400
Total pelagic	114	125	125	130	179	200	228	116
Cockles	177	399	524	1,121	518	793	682	764
Edible crabs	829	860	885	873	904	871	908	1,006
Lobster	9,026	9,652	10,017	9,598	9,631	8,824	9,670	10,494
Mussels	209	181	171	171	185	210	193	201
Norway lobsters	1,770	1,879	2,067	2,119	2,170	2,236	2,161	2,636
Periwinkle	594	627	709	835	839	898	993	1,034
Pink shrimps	846	941	1,235	1,172	1,118	855	1,048	988
Queen scallops	348	391	604	768	544	341	350	433
Razor Fish	-	-	1,441	1,610	2,109	2,258	2,562	2,265
Scallops	1,636	1,558	1,608	1,694	1,642	1,634	1,602	1,691
Squat lobster	416	406	451	3,283	4,053	3,744	6,189	2,720
Squid	1,400	1,422	1,678	1,690	1,524	1,851	1,615	1,163
Velvet crab	1,797	1,655	1,638	1,189	1,768	1,628	1,663	1,736
Whelks	213	237	260	239	383	329	295	297
Other shellfish	-	-	-	1,420	1,155	1,055	584	299
Total shellfish	1,295	1,418	1,647	1,689	1,653	1,635	1,571	1,890
Total landings	565	563	608	656	814	782	854	863

(1) standard weight is the equivalent weight of fish if all landings of a species were in standard form (eg for cod, as gutted head on)

Table 17. continued

	Lochinver	
	Tonnes	£'000
Cod	1,214	1,713
Dogfish	402	295
Greenland halibut	20	26
Haddock	3,409	3,157
Hake	101	96
Lemon sole	73	88
Ling	532	511
Megrimms	835	1,320
Monks	1,600	3,535
Plaice	466	398
Pollack	37	33
Roes	26	27
Saithe	377	180
Skate	582	467
Tusk	25	15
Turbot	25	89
Whiting	1,064	642
Witches	29	23
Other demersal	136	109
Total demersal	10,954	12,726
Total pelagic	2	1
Edible crabs	201	239
Norway lobsters	56	137
Squid	171	168
Other shellfish	10	34
Total shellfish	438	577
Total landings	11,394	13,304

	Ullapool	
	Tonnes	£'000
Blue ling	366	312
Cod	426	650
Dogfish	388	256
Forkbeard	39	27
Greenland halibut	23	34
Haddock	1,194	1,089
Hake	71	142
Ling	489	492
Megrimms	159	249
Monks	647	1,441
Roundnose grenadier	121	72
Redfish	56	43
Saithe	256	124
Scabbard fish	55	86
Sharks	184	191
Skate	108	86
Tusk	86	63
Whiting	210	154
Witches	45	42
Other demersal	91	127
Total demersal	5,016	5,681
Blue whiting	202	8
Herring	666	63
Mackerel	997	137
Other pelagic	14	5
Pelagic	1,879	213
Edible crabs	853	840
Norway lobsters	697	2,058
Scallops	79	125
Squid	43	51
Whelks	23	21
Other shellfish	15	30
Total shellfish	1,710	3,125
Total landings	8,606	9,018

	Mallaig	
	Tonnes	£'000
Blue ling	1,711	1,313
Catfish	51	70
Cod	496	602
Conger eels	28	11
Dogfish	406	298
Haddock	1,556	1,226
Hake	382	329
Halibut	62	101
Lemon sole	23	25
Ling	393	338
Megrimms	450	654
Monks	872	2,001
Plaice	63	40
Roundnose grenadier	357	220
Redfish	129	119
Saithe	77	32
Scabbard fish	59	81
Skate	361	270
Tusk	126	82
Whiting	999	496
Witches	228	193
Other demersal	126	133
Total demersal	8,954	8,636
Herring	1,172	140
Mackerel	145	33
Sprats	3,947	524
Other pelagic	-	-
Pelagic	5,264	696
Edible crabs	107	119
Norway lobsters	3,305	8,904
Periwinkle	372	370
Razor fish	23	59
Scallops	471	978
Squid	24	35
Velvet crabs	216	398
Other shellfish	14	141
Total shellfish	4,532	11,003
Total landings	18,749	20,335

	Oban	
	Tonnes	£'000
Dogfish	25	17
Haddock	58	57
Skate	38	31
Whiting	35	24
Other demersal	74	115
Demersal	230	244
Herring	845	49
Sprats	2,774	355
Other pelagic	15	1
Pelagic	3,634	405
Edible crabs	624	600
Lobsters	27	342
Norway lobsters	766	2,379
Periwinkle	360	424
Scallops	546	782
Velvet crabs	441	797
Other shellfish	3	19
Total shellfish	2,767	5,340
Total landings	6,630	5,989

	Campbeltown	
	Tonnes	£'000
Cod	107	122
Haddock	143	155
Hake	58	75
Skate	23	11
Whiting	122	67
Other demersal	75	71
Total demersal	529	501
Sprats	1,332	129
Other pelagic	9	1
Total pelagic	1,341	130
Edible crabs	34	33
Norway lobsters	2,349	4,838
Queen scallops	30	17
Scallops	874	1,506
Squat lobsters	21	59
Velvet crabs	79	172
Whelks	45	16
Other shellfish	20	69
Total shellfish	3,453	6,710
Total landings	5,323	7,342

	Ayr	
	Tonnes	£'000
Cod	317	451
Conger eels	29	18
Dogfish	267	184
Haddock	315	330
Hake	133	234
Ling	24	24
Monks	39	84
Plaice	46	42
Sharks	27	32
Skate	93	102
Whiting	272	151
Other demersal	136	189
Total demersal	1,696	1,840
Sprats	80	10
Other pelagic	9	2
Total pelagic	89	13
Lobsters	28	147
Norway lobsters	1,315	2,575
Periwinkle	154	141
Queen scallops	4,852	2,090
Scallops	1,432	2,497
Whelks	66	22
Other shellfish	21	28
Total shellfish	7,869	7,499
Total landings	9,655	9,353

	All ports	
	Tonnes	£'000
Blue ling	3,705	2,945
Blue mouths	57	52
Catfish	628	914
Cod	26,098	35,332
Conger eels	107	55
Dabs	72	40
Dogfish	3,183	2,373
Dover Sole	22	99
Forkbeard	173	125
Greenland halibut	1,104	1,841
Haddock	66,359	54,432
Hake	1,362	1,744
Halibut	226	666
Lemon sole	2,576	4,944
Ling	7,190	7,150
Megrimms	3,241	5,148
Monks	12,139	28,435
Plaice	2,813	2,961
Pollack	660	716
Roes	120	149
Roundnose grenadier	1,035	675
Redfish	1,306	1,125
Saithe	8,211	3,835
Sandeels	6,785	283
Scabbard fish	200	269
Sharks	258	260
Skate	2,431	1,812
Tusk	770	556
Turbot	150	595
Whiting	20,334	11,335
Witches	1,822	1,826
Other flatfish	163	220
Other demersal	619	467
Total demersal	175,919	173,377
Argentines	576	174
Blue whiting	38,432	1,476
Herring	42,290	4,589
Horse mackerel	590	83
Mackerel	33,332	6,998
Pilchards	25	5
Sprats	8,611	1,043
Other pelagic	29	42
Total pelagic	123,886	14,410
Cockles	120	92
Edible crabs	7,722	7,768
Lobsters	527	5,532
Mussels	229	46
Norway lobsters	21,817	57,508
Periwinkle	1,002	1,036
Pink shrimps	456	451
Queen scallops	4,962	2,150
Razor fish	79	178
Scallops	8,465	14,314
Squat lobsters	28	77
Squid	1,199	1,395
Velvet crabs	1,882	3,267
Whelks	1,300	386
Other shellfish	123	114
Total shellfish	49,912	94,313
Total landings	349,717	282,100

Table 21. Price per tonne (£) of landings into Scotland by UK vessels, by main species and month, 1995 to 1999

	1995	1996	1997	1998	1999	
Cod	January	1,252	1,215	1,026	1,237	1,449
	February	1,074	1,043	1,396	1,179	1,450
	March	1,005	925	1,009	1,193	1,407
	April	1,035	1,087	1,178	1,356	1,739
	May	857	1,046	1,098	1,132	1,575
	June	929	1,012	959	1,178	1,490
	July	887	1,005	1,005	1,343	1,659
	August	963	1,050	1,025	1,414	1,534
	September	1,081	1,153	1,278	1,432	1,744
	October	1,151	1,283	1,190	1,513	1,642
	November	1,061	1,127	1,319	1,395	1,648
	December	1,097	1,063	1,315	1,437	1,789
	Year	1,004	1,076	1,121	1,301	1,584
Haddock	January	884	972	591	663	893
	February	747	762	769	623	871
	March	644	699	601	651	941
	April	848	919	808	854	1,018
	May	780	947	771	787	1,109
	June	777	901	664	891	969
	July	640	663	551	807	893
	August	598	556	482	760	874
	September	706	553	514	765	859
	October	804	645	553	954	1,026
	November	779	600	656	872	999
	December	804	587	599	840	1,116
	Year	738	703	615	788	952
Whiting	January	660	660	456	495	609
	February	576	547	682	505	655
	March	544	484	532	539	765
	April	731	783	766	826	917
	May	684	860	776	727	836
	June	622	747	663	704	692
	July	485	563	504	597	585
	August	436	523	429	562	532
	September	478	531	453	518	496
	October	518	602	462	672	566
	November	414	524	469	532	502
	December	505	455	425	510	650
	Year	555	596	533	584	630
Norway lobster	January	2374	2108	2576	2,228	2,562
	February	2380	2374	2736	2,189	2,682
	March	2447	2153	2544	2,222	2,723
	April	2242	2176	2374	2,136	2,616
	May	2117	1833	2237	2,018	2,589
	June	2063	2050	2159	2,008	2,490
	July	1970	2016	1990	1,978	2,495
	August	2035	2081	1923	2,112	2,726
	September	2138	2256	2138	2,236	2,692
	October	2018	2178	2292	2,303	2,755
	November	2024	2440	2231	2,254	2,767
	December	1988	2520	2389	2,491	2,732
	Year	2119	2170	2236	2,161	2,636
Herring	January	127	123	127	33	148
	February	126	187	100	70	1
	March	250	133	31	17	49
	April	250	57	+	531	274
	May	126	62	69	62	817
	June	130	98	182	223	163
	July	124	143	127	123	123
	August	113	155	119	123	112
	September	111	134	96	117	96
	October	109	154	121	103	97
	November	103	156	125	115	100
	December	111	161	113	130	66
	Year	115	119	109	120	109
Mackerel	January	136	263	389	579	194
	February	140	276	364	486	202
	March	155	223	365	472	208
	April	-	-	169	453	183
	May	158	+	-	397	413
	June	211	+	+	458	390
	July	285	287	196	376	306
	August	272	297	407	317	332
	September	490	350	378	471	435
	October	187	411	466	258	228
	November	221	237	338	238	209
	December	100	241	243	265	250
	Year	144	287	379	443	210
Blue whiting	January	+	0	+	60	0
	February	0	+	0	0	57
	March	0	+	56	62	40
	April	52	53	55	58	34
	May	52	54	56	55	0
	June	0	0	0	0	0
	July	0	0	0	0	0
	August	0	+	0	+	0
	September	+	0	0	0	0
	October	+	0	0	+	0
	November	0	+	+	80	35
	December	0	0	0	0	0
	Year	52	54	55	59	38

Table 22. Value (£) of landings into Scotland by UK vessels, by main fishing method and month, 1999

	Demersal trawl	Demersal seine nets	Beam trawl	Pelagic methods	Other methods	All methods
January	11,595	2,426	84	1,744	4,658	20,508
February	11,013	2,488	73	1,294	4,527	19,395
March	15,045	2,924	139	1,280	6,133	25,521
April	14,050	2,367	117	513	6,246	23,292
May	14,034	2,572	89	41	6,455	23,191
June	14,248	3,029	142	384	7,254	25,056
July	14,359	2,595	233	1,363	7,769	26,318
August	15,207	3,244	233	1,652	6,844	27,180
September	14,474	3,431	210	1,225	5,681	25,022
October	13,960	2,921	81	2,269	4,793	24,024
November	13,668	2,559	137	1,592	5,227	23,183
December	11,317	1,727	88	617	5,660	19,409
Year	162,970	32,282	1,627	13,973	71,247	282,100

(1) £ thousand

(1) based on standard weight

Table 24. Live weight and value of landings into Scotland by foreign vessels, by main (1) species, 1995 to 1999

	Tonnes					Value (£'000)				
	1995	1996	1997	1998	1999	1995	1996	1997	1998	1999
Blue ling	1,528	1,474	1,503	2,840	3,458	1,608	1,618	1,605	3,397	4,632
Blue mouth	204	176	168	183	139	124	122	113	200	171
Cardinal fish	-	-	3	61	55	-	-	3	68	58
Catfish	46	45	15	10	35	39	46	9	10	27
Cod	4,727	8,706	3,780	1,319	1,613	4,187	6,850	2,173	1,543	2,111
Dogfish	35	23	495	893	1,184	17	10	365	687	1,018
Forkbeard	78	86	129	154	280	62	72	115	137	275
Greenland halibut	493	351	276	127	460	777	598	214	223	741
Haddock	1,906	2,830	2,433	1,262	1,721	1,451	2,242	1,369	1,377	2,082
Hake	1,176	2,199	715	1,104	1,238	2,342	4,924	2,060	4,485	5,408
Halibut	74	128	32	10	47	193	385	116	38	151
Ling	1,057	1,854	1,445	2,379	1,850	880	1,622	1,006	2,603	2,158
Megrim	164	156	147	166	169	298	340	384	382	381
Monks	722	991	707	1,364	957	1,072	1,209	1,237	3,363	2,344
Orange roughy	49	113	70	183	185	90	230	203	375	340
Plaice	172	113	69	39	25	163	128	88	67	34
Rabbitfish	-	+	32	88	403	-	-	24	96	409
Roughhead grenadier	-	-	-	224	20	-	-	-	157	14
Roundnose grenadier	1,811	1,442	1,748	2,099	4,567	1,454	1,505	1,830	2,357	5,040
Redfish	299	477	448	320	689	391	466	443	460	905
Saithe	1,631	2,286	2,197	1,982	3,435	963	1,284	1,142	1,446	2,561
Scabbard fish	598	907	1,319	1,437	1,085	1,160	1,557	2,069	2,654	2,233
Shark	783	857	377	254	362	549	617	314	187	310
Skate	180	124	59	75	99	119	105	41	77	97
Tusk	428	547	299	333	399	181	293	152	272	364
Whiting	105	294	111	113	160	65	202	52	85	107
Witches	95	152	273	309	252	112	232	469	521	413
Other demersal	727	481	489	2,937	655	713	381	635	1,352	662
Total demersal	19,087	26,810	19,341	22,267	25,544	19,010	27,038	18,231	28,619	35,046
Blue whiting	14,410	18,262	9,738	9,460	9,107	755	1,083	554	592	410
Capelin	-	863	1,769	1,373	44	-	48	106	108	33
Herring	13,070	9,567	3,741	1,050	713	764	734	597	172	150
Mackerel	2,769	2,441	2,718	6,927	3,551	453	704	899	3,042	902
Sprats	-	-	-	-	792	-	-	-	-	55
Other pelagic	785	987	321	3,775	18	118	208	103	1,920	411
Total pelagic	31,034	32,120	18,287	22,585	14,225	2,090	2,777	2,259	5,834	1,962
Norway lobsters	40	39	12	38	50	124	63	30	93	151
Pink shrimps	582	349	5	242	44	682	431	6	225	35
Scallops	-	-	-	-	20	-	-	-	-	22
Other crustaceans	11	9	21	51	29	17	25	38	88	36
Total shellfish	633	397	38	331	143	823	519	74	406	244
Total landings	50,754	59,327	37,667	45,183	39,913	21,924	30,334	20,565	34,859	37,251

(1) landings of 20 tonnes or more in 1999

Table 26. Live weight and value of landings into Scotland by foreign vessels, by nationality, 1995 to 1999

	Tonnes					Value (£'000)				
	1995	1996	1997	1998	1999	1995	1996	1997	1998	1999
Belgium	194	267	295	189	300	241	351	272	154	171
Denmark	9,379	9,547	3,458	1,704	207	1,547	1,264	405	679	249
Eire	3,605	4,843	4,648	10,970	4,413	667	1,331	1,434	4,247	1,200
Faroe	6,217	12,714	7,229	2,995	6,146	5,266	10,655	4,134	4,066	5,652
France	5,994	6,634	7,827	12,723	16,481	6,340	7,320	8,616	15,897	20,689
Germany	738	420	437	657	397	758	72	634	1,760	941
Iceland	3,292	-	-	-	165	178	-	-	-	118
Netherlands	-	42	56	-	-	-	74	125	-	-
Norway	14,698	18,691	10,568	9,294	7,696	826	1,136	732	582	376
Russia	2,069	2,312	644	2,954	780	1,345	1,393	241	216	42
Spain	2,655	3,856	2,393	3,676	3,322	3,808	6,739	3,896	7,246	7,810
Sweden	-	-	-	22	-	-	-	-	13	-
Other	1,914	-	113	-	6	948	-	75	-	3
Total landings	50,754	59,327	37,667	45,183	39,913	21,924	30,334	20,565	34,859	37,251

Table 25. Live weight landings into Scotland by foreign vessels, by main ICES area and main (1) species, 1999

	(Tonnes)				Total
	N. sea IV	Scotland VI a	Rockall VI b	Other	
Blue ling	10	2,124	374	950	3,458
Blue mouth	1	90	42	5	139
Cardinal fish	+	44	2	9	55
Catfish	+	+	+	35	35
Cod	183	230	2	1,198	1,613
Dogfish	7	903	15	260	1,184
Forkbeard	1	255	21	3	280
Greenland halibut	28	154	+	278	460
Haddock	62	42	144	1,472	1,721
Hake	29	1,194	2	14	1,238
Halibut	1	12	+	35	47
Ling	97	1,593	14	147	1,850
Megrim	3	107	59	+	169
Monks	278	509	54	116	957
Orange roughy	+	124	1	61	185
Plaice	9	+	-	17	25
Rabbit fish	3	308	4	88	403
Roughhead grenadier	-	20	-	-	20
Roundnose grenadier	7	2,834	27	1,700	4,567
Redfish	65	282	18	325	689
Saithe	734	1,765	2	934	3,435
Scabbard fish	2	946	8	129	1,085
Shark	1	139	5	216	362
Skates & rays	14	42	3	41	99
Tusk	5	241	4	149	399
Whiting	36	4	-	119	160
Witches	0	93	159	0	252
Other or mixed demersal	56	500	20	82	656
Total demersal	1,631	14,554	977	8,382	25,544
Blue whiting	-	+	841	8,266	9,107
Capelin	-	34	-	10	44
Herring	-	713	-	-	713
Mackerel	581	2,882	-	88	3,551
Sprats	792	-	-	-	792
Other pelagic	2	2	-	14	18
Total pelagic	1,375	3,631	841	8,378	14,225
Nephrops (Norway lobster)	12	36	3	-	50
Pink shrimps	44	-	-	-	44
Scallops	-	20	-	-	20
Other shellfish	10	11	1	+	29
Total shellfish	66	67	4	7	143
Total landings	3,072	18,252	1,822	16,767	39,913

(1) landings of 20 tonnes or more in 1999

Table 32. Live weight and value of landings into Scotland by UK based vessels, by species group and vessel length, 1999

	(tonnes)																£000
	Vessel length (m)								Vessel length (m)								
	Under 10	10>15	15>20	20>25	25>30	30>35	35+	Total	Under 10	10>15	15>20	20>25	25>30	30>35	35+	Total	
Scottish vessels:																	
Demersal	414	1,129	20,420	68,347	63,196	9,137	8,476	171,120	179	874	16,135	67,242	66,286	9,624	7,088	167,428	
Pelagic	244	4	3,480	593	111	1,241	113,879	119,553	84	1	469	60	74	159	12,907	13,754	
Shellfish	8,321	9,271	16,042	9,062	1,806	382	16	44,900	16,096	17,496	31,456	18,718	4,013	576	20	88,375	
Total	8,979	10,403	39,942	78,002	65,113	10,761	122,371	335,572	16,359	18,371	48,061	86,019	70,373	10,358	20,015	269,556	
England/Wales:																	
Demersal	7	23	226	370	913	1,447	1,691	4,676	6	20	213	384	913	1,718	2,585	5,839	
Pelagic	3	+	-	-	-	-	2	4	1	-	-	-	-	-	+	2	
Shellfish	90	249	1,336	1,946	261	50	231	4,163	157	501	1,995	1,797	412	51	190	5,103	
Total	99	272	1,563	2,316	1,174	1,496	1,924	8,843	165	521	2,208	2,182	1,325	1,770	2,775	10,945	
NI vessels:																	
Demersal	+	19	69	29	-	-	6	123	+	14	61	32	-	-	+	107	
Pelagic	-	+	+	588	-	317	3,424	4,329	-	+	+	56	-	43	555	654	
Shellfish	1	30	229	22	-	-	-	281	1	60	316	28	-	-	-	405	
Total	1	49	298	638	-	317	3,430	4,734	1	75	377	115	-	43	555	1,167	
Other UK vessels:																	
Demersal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pelagic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Shellfish	-	123	429	15	-	-	-	567	-	73	334	17	-	-	-	424	
Total	-	123	429	15	-	-	-	567	-	73	334	17	-	-	-	424	
All UK vessels:																	
Demersal	421	1,171	20,716	68,745	64,109	10,584	10,173	175,919	185	908	16,410	67,660	67,199	11,342	9,673	173,377	
Pelagic	247	4	3,480	1,181	111	1,558	117,305	123,886	85	1	469	116	74	202	13,463	14,410	
Shellfish	8,411	9,673	18,036	11,046	2,067	432	247	49,912	16,254	18,131	34,101	20,565	4,425	627	210	94,313	
Total	9,079	10,848	42,232	80,972	66,287	12,574	127,724	349,717	16,524	19,040	50,980	88,341	71,698	12,171	23,346	282,100	

Table 33. Live weight and value of landings into the UK by UK based vessels, 1995 to 1999

	Tonnes (thousand)					Value (£ million)				
	1995	1996	1997	1998	1999	1995	1996	1997	1998	1999
Scottish based vessels into:										
Scotland	464.7	394.1	373.1	357.0	335.9	282.1	292.0	269.2	281.1	269.8
England and Wales	62.8	40.9	31.7	22.7	15.9	11.9	9.7	10.6	10.5	10.9
Northern Ireland	1.5	2.8	3.0	1.0	0.7	0.7	1.9	2.1	0.9	0.9
UK	529.0	437.8	407.8	380.8	352.4	294.8	303.6	282.0	292.5	281.6
UK vessels into:										
Scotland	481.9	406.4	386.8	369.1	349.7	295.1	303.8	279.1	291.6	282.1
England and Wales	222.9	202.7	179.6	158.2	137.2	166.8	168.5	167.3	172.0	160.6
Northern Ireland	19.0	26.6	27.2	24.3	19.7	16.1	19.2	21.7	20.0	21.5
UK	723.8	635.7	593.6	551.6	506.6	478.0	491.5	468.1	483.6	464.2

Table 34. Arrivals, days absent, live weight and value of landings into Scotland by over 10 metre UK vessels, 1999

	No. of arrivals	Days absent	No. of vessels (1)	Tonnes (liveweight)				Value (£ thousand)			
				Demersal	Pelagic	Shellfish	Total	Demersal	Pelagic	Shellfish	Total
Eyemouth	4,789	9,134	88	3,513	+	1,035	4,548	3,674	+	2,151	5,825
Pittemweem	2,693	4,542	41	497	+	946	1,443	525	+	1,588	2,113
Aberdeen	2,479	14,228	206	22,756	14,715	1,613	39,083	22,600	615	3,559	26,773
Peterhead	5,630	39,675	365	66,673	28,427	3,374	98,474	64,785	4,235	9,747	78,768
Fraserburgh	4,014	20,627	289	13,865	14,468	5,857	34,189	12,352	2,218	15,351	29,922
Buckie	1,103	3,757	89	1,280	-	981	2,262	1,517	-	1,636	3,153
Wick	1,998	11,821	197	13,487	322	3,641	17,451	16,761	119	4,720	21,600
Orkney	1,548	7,005	56	553	19	1,882	2,454	621	7	2,510	3,139
Shetland	3,179	11,687	194	16,984	53,464	1,090	71,538	11,472	5,668	1,549	18,690
Stornoway	5,516	8,323	141	932	+	3,181	4,113	639	+	6,052	6,691
Kinlochbervie	1,145	6,796	65	10,954	2	409	11,365	12,726	1	519	13,246
Lochinver	1,454	4,955	81	7,614	14	662	8,290	8,642	4	1,765	10,411
Ullapool	2,143	5,800	122	5,016	1,879	1,590	8,485	5,681	213	2,723	8,616
Mallaig	7,952	16,009	209	8,947	5,264	3,527	17,738	8,631	696	8,862	18,189
Oban	2,258	3,874	66	223	3,634	948	4,805	238	405	2,018	2,661
Campbeltown	9,182	11,369	122	525	1,341	3,226	5,093	499	130	6,283	6,912
Ayr	5,931	9,273	141	1,679	89	7,538	9,307	1,827	13	7,022	8,862
Total	63,014	188,875	*	175,498	123,639	41,501	340,639	173,190	14,325	78,054	265,569

(1) Number of over 10 metre vessels making landings into port shown. A vessel making more than one landing during the year is counted more than once.

Table 35. Arrivals, live weight and value of landings into Scotland by foreign vessels, by nationality, area fished and landing district, 1999

	No. of arrivals	Tonnes					Value (£ thousand)					
		N Sea	W Scot	Faeroe	Other	Total	N Sea	W Scot	Faeroe	Other	Total	
Belgium into:	Fraserburgh	9	92	-	-	92	5	-	-	-	5	
	Wick	7	180	+	-	180	131	+	-	131		
	Other	3	8	20	0	28	14	22	0	0	36	
	Total	19	279	20	-	300	149	22	-	-	171	
Denmark into:	Buckie	7	50	-	-	50	44	-	-	-	44	
	Peterhead	6	57	-	-	57	73	-	-	-	73	
	Wick	15	92	-	-	92	112	-	-	-	112	
	Other	3	7	-	-	7	20	-	-	-	20	
	Total	31	207	-	-	207	249	-	-	-	249	
Ireland into:	Mallaig	8	-	1,945	-	88	2,033	-	585	-	31	615
	Shetland	14	581	1,389	-	-	1,970	146	254	-	-	400
	Wick	5	40	53	-	-	93	40	58	-	-	99
	Other	6	33	286	0	0	319	20	66	0	0	86
	Total	33	653	3,672	-	88	4,413	207	962	-	31	1,200
Faroe into:	Wick	122	-	-	4,255	283	4,538	-	-	4,989	327	5,316
	Other	7	0	0	1,501	107	1,608	0	0	153	183	336
	Total	129	-	-	5,756	390	6,146	-	-	5,142	510	5,652
France into:	Ayr	46	128	794	5	3	930	117	770	5	2	895
	Lochinver	382	684	10,379	2,185	93	13,341	787	13,719	2,809	165	17,480
	Oban	36	5	555	-	-	560	6	787	-	-	793
	Ullapool	26	-	252	1,332	-	1,584	-	296	1,189	-	1,484
	Other	3	6	24	35	0	65	2	13	21	0	36
	Total	493	824	12,004	3,558	95	16,481	912	15,585	4,024	167	20,689
Germany into:	Wick	9	246	61	-	7	314	577	123	-	13	714
	Other	4	68	15	0	0	84	207	20	0	0	227
	Total	13	314	77	-	7	397	784	144	-	13	941
Iceland into:	Wick	5	-	60	-	-	60	-	43	-	-	43
	Other	3	0	94	0	12	106	0	63	0	12	75
	Total	8	-	153	-	12	165	-	105	-	12	118
Norway into:	Shetland	8	795	841	-	6,060	7,696	58	32	-	286	376
	Total	8	795	841	-	6,060	7,696	58	32	-	286	376
Spain into:	Lochinver	204	-	2,948	-	12	2,960	-	6,575	-	49	6,624
	Ullapool	24	-	358	-	4	362	-	1,173	-	13	1,186
	Total	228	-	3,306	-	15	3,322	-	7,749	-	62	7,810
Other into:	Other	6	0	0	780	6	786	0	0	42	3	45
Total	968	3,072	20,074	10,094	6,673	39,913	2,360	24,598	9,208	1,085	37,251	

Table 36. Disposal of fish landed into Scotland by UK vessels, 1995 to 1999 ('000 tonnes)

	Demersal				Pelagic				Shellfish			
	1996	1997	1998	1999	1996	1997	1998	1999	1996	1997	1998	1999
Human consumption	226.5	205.9	195.8	168.2	69.0	77.2	70.1	86.2	51.8	54.6	54.4	49.9
Klondyked	0.0	0.0	0.0	0.0	21.1	9.9	5.8	0.0	0.0	0.0	0.0	0.0
Meal and oil	9.0	12.7	11.6	6.7	20.3	15.0	28.8	32.0	0.0	0.0	0.0	0.0
Dumped/ bait	0.3	0.2	0.1	0.1	1.6	0.4	0.1	1.7	0.0	0.0	0.0	0.0
Withdrawn	6.1	6.2	1.2	1.0	0.7	4.4	1.1	4.0	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Total	241.9	225.1	208.8	175.9	112.7	107.0	105.9	123.9	51.8	54.7	54.4	49.9

Table 37. Live weight and value of fishery by-products, 1995 to 1999

	Tonnes (thousand)					£ (million)				
	1995	1996	1997	1998	1999	1995	1996	1997	1998	1999
Fish meal	36.9	44.4	41.7	40.3	34.3	12.6	17.9	18.7	19.2	10.3
Fish oil	10.2	9.9	7.5	7.6	6	2.1	2.7	2.9	2.7	1.2
Total	47.1	54.3	49.3	47.9	40.3	14.7	20.6	21.6	21.8	11.5

Table 39. Number of fishermen employed in Scotland, 1995 to 1999

	1995	1996	1997	1998	1999
Regularly employed	6889	6689	6729	6395	6042
Partially employed	1423	1335	1415	1334	1242
Crofters	83	60	50	42	46
Total	8395	8084	8194	7771	7330

Table 40. Number of fishermen employed by district and employment status, 1999

	Regularly employed	Partially employed	Crofters	Total
Eyemouth	255	34	0	289
Pittenweem	162	20	0	182
Aberdeen	164	83	0	247
Peterhead	805	60	0	865
Fraserburgh	1188	77	0	1265
Buckie	376	14	0	390
Scrabster	202	114	0	316
Orkney	243	99	0	342
Shetland	424	199	0	623
Stornoway	458	163	16	637
Kinlochbervie	30	2	0	32
Lochinver	70	4	4	78
Ullapool	81	13	0	94
Mallaig	350	64	25	439
Oban	229	51	1	281
Campbeltown	292	82	0	374
Ayr	713	163	0	876
All districts	6042	1242	46	7330

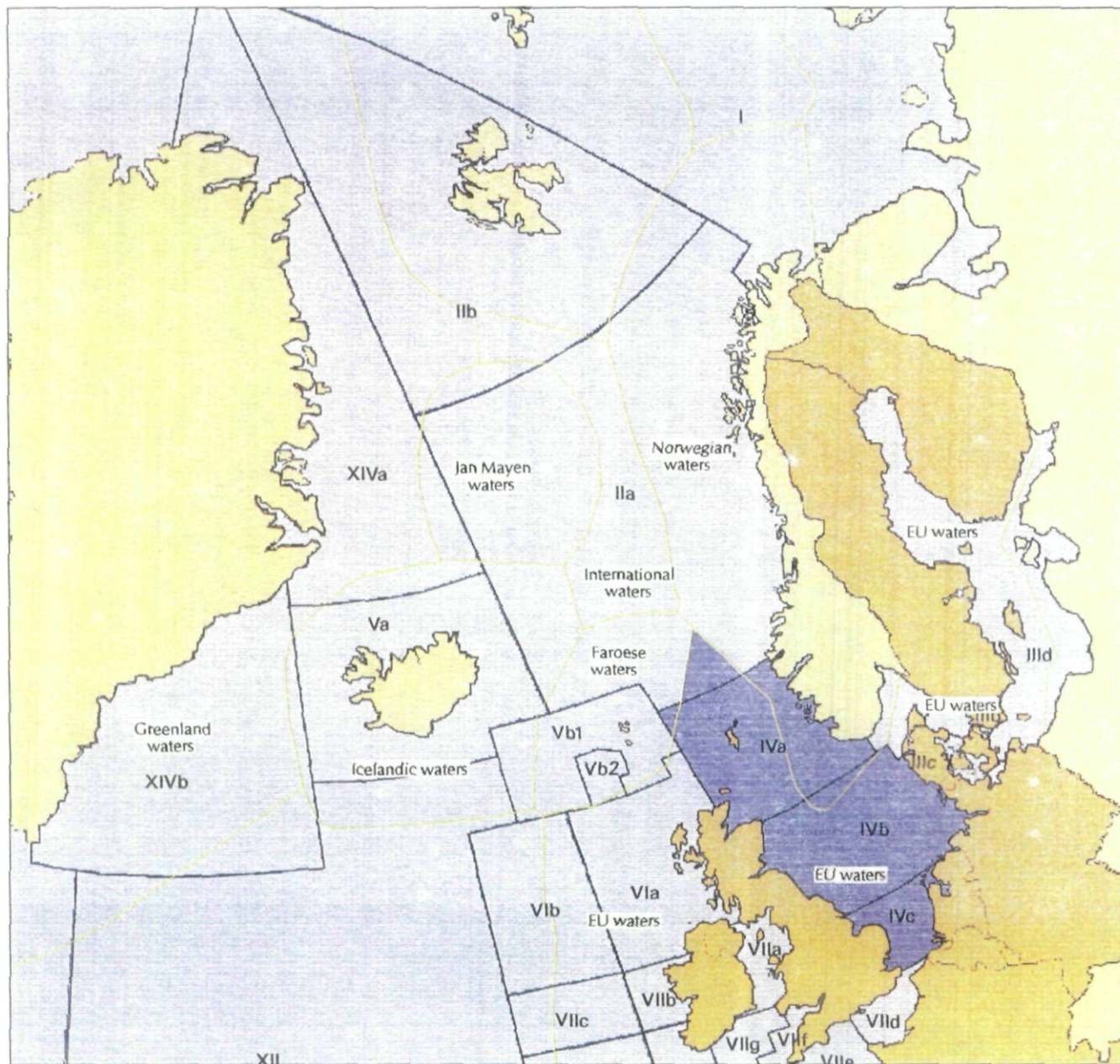
Table 38. Raw materials used in the production of fishery by-products, 1995 to 1999

	('000 tonnes)				
	1995	1996	1997	1998	1999
Herring offal	20.7	48.8	48.6	30.0	25.9
Sprats	+	+	0.4	14.9	1.9
Wh fish offal	91.4	98.0	104.8	98.5	88.4
Mac offal	20.5	13.3	4.0	40.1	18.9
Sandeels	-	8.7	14.2	-	7.3
Capelin	-	0.9	1.9	-	-
Blue whiting	-	16.4	18.3	-	48.8
Total	196.2	186.1	192.2	183.5	191.3

(1) 1995 total includes 63.5 tonnes not attributed to species

Charts of main quota stock sea areas

The boundaries on the charts showing territorial waters are for illustrative purposes only

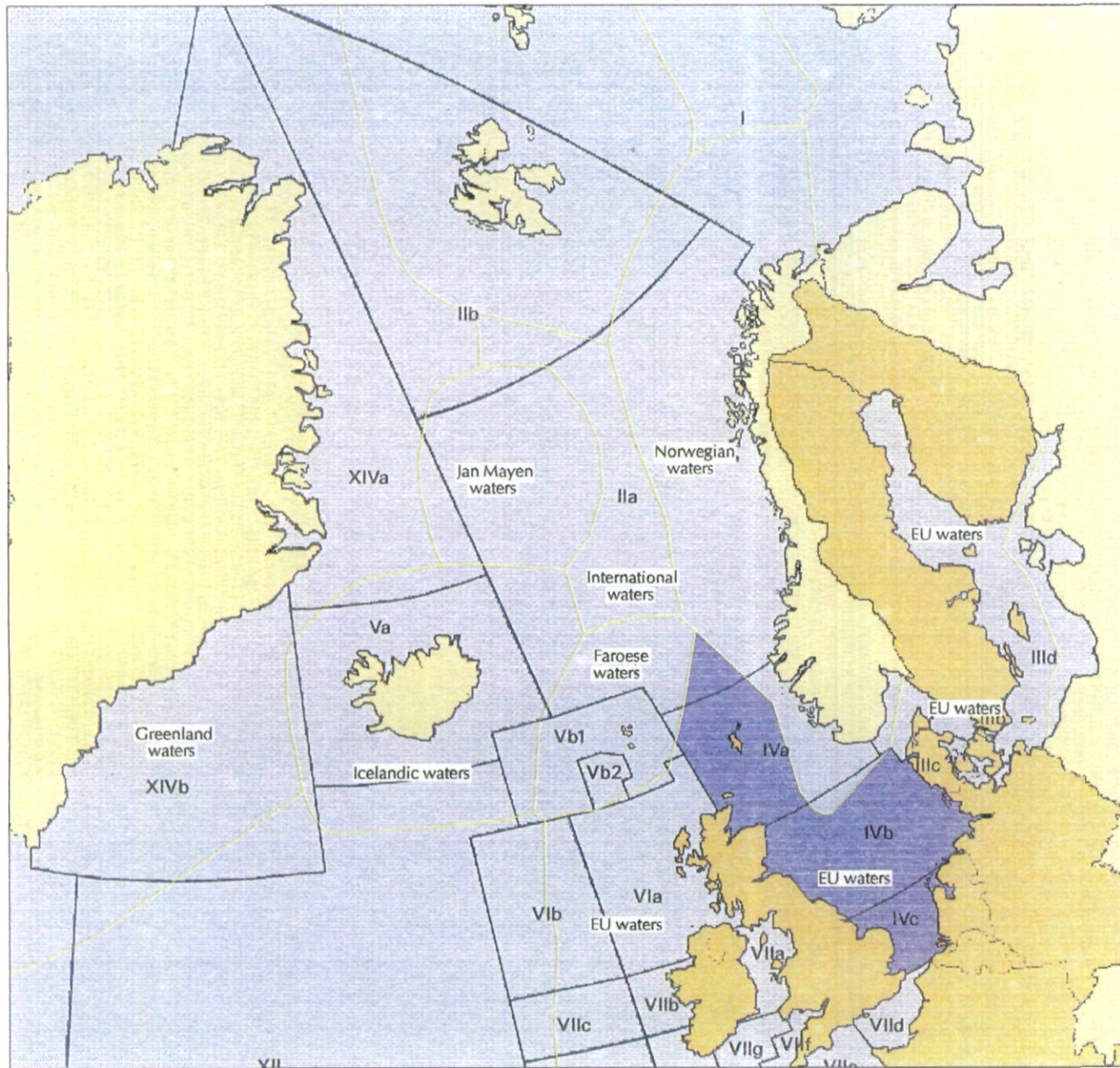


North Sea cod
 North Sea haddock
 North Sea plaice
 North Sea whiting

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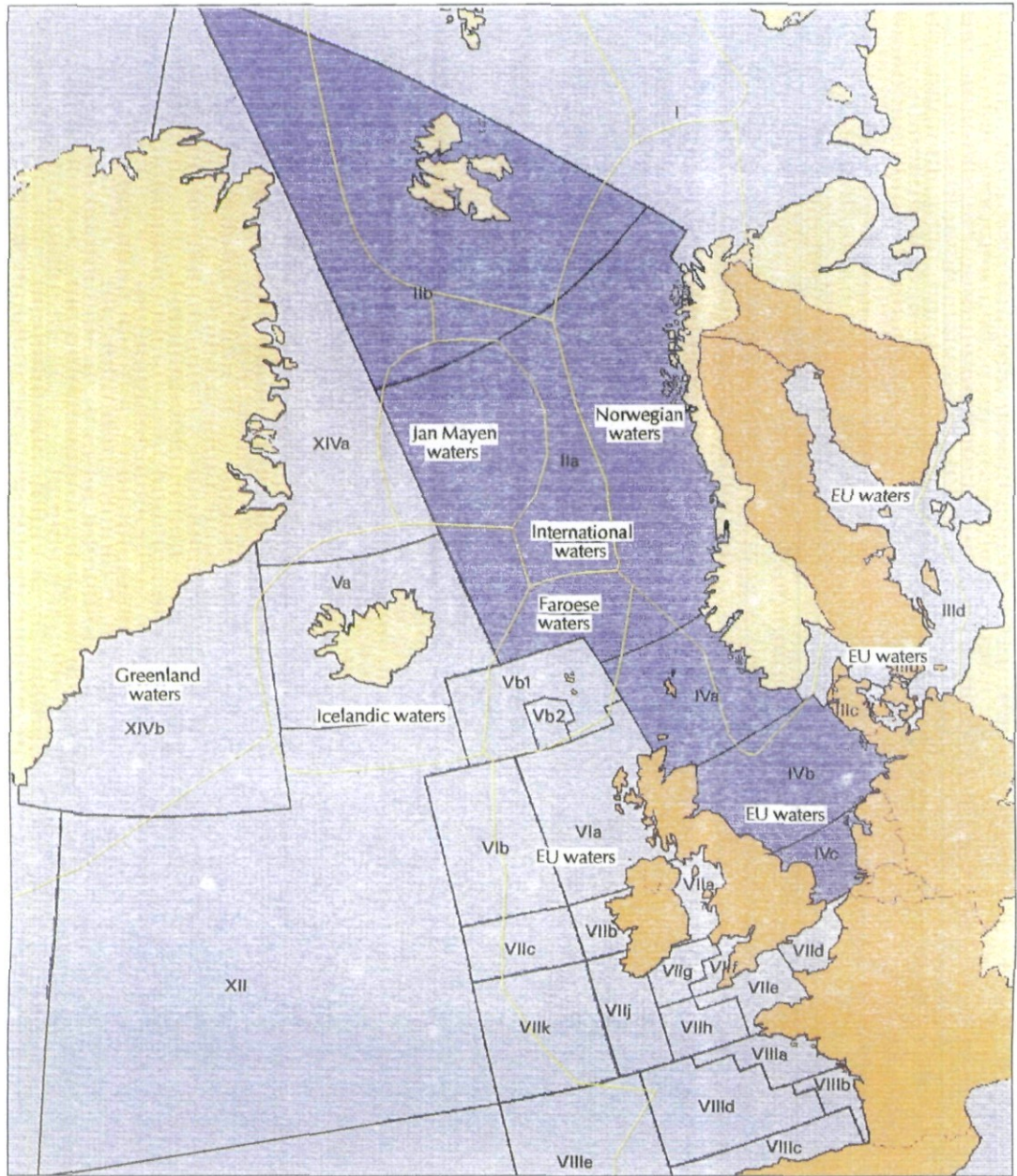
North Sea anglerfish
 North Sea blue whiting
 North Sea dab & flounder
 North Sea hake
 North Sea horse mackerel
 North Sea lemon sole & witch
 North Sea Norway lobster
 North Sea northern prawn
 North Sea megrims
 North Sea sandeel (i)
 North Sea skates & rays
 North Sea sprat
 North Sea spurdog
 North Sea turbot & brill

(i) Excludes waters within 6 miles of Shetland, Fair Isle & Foula

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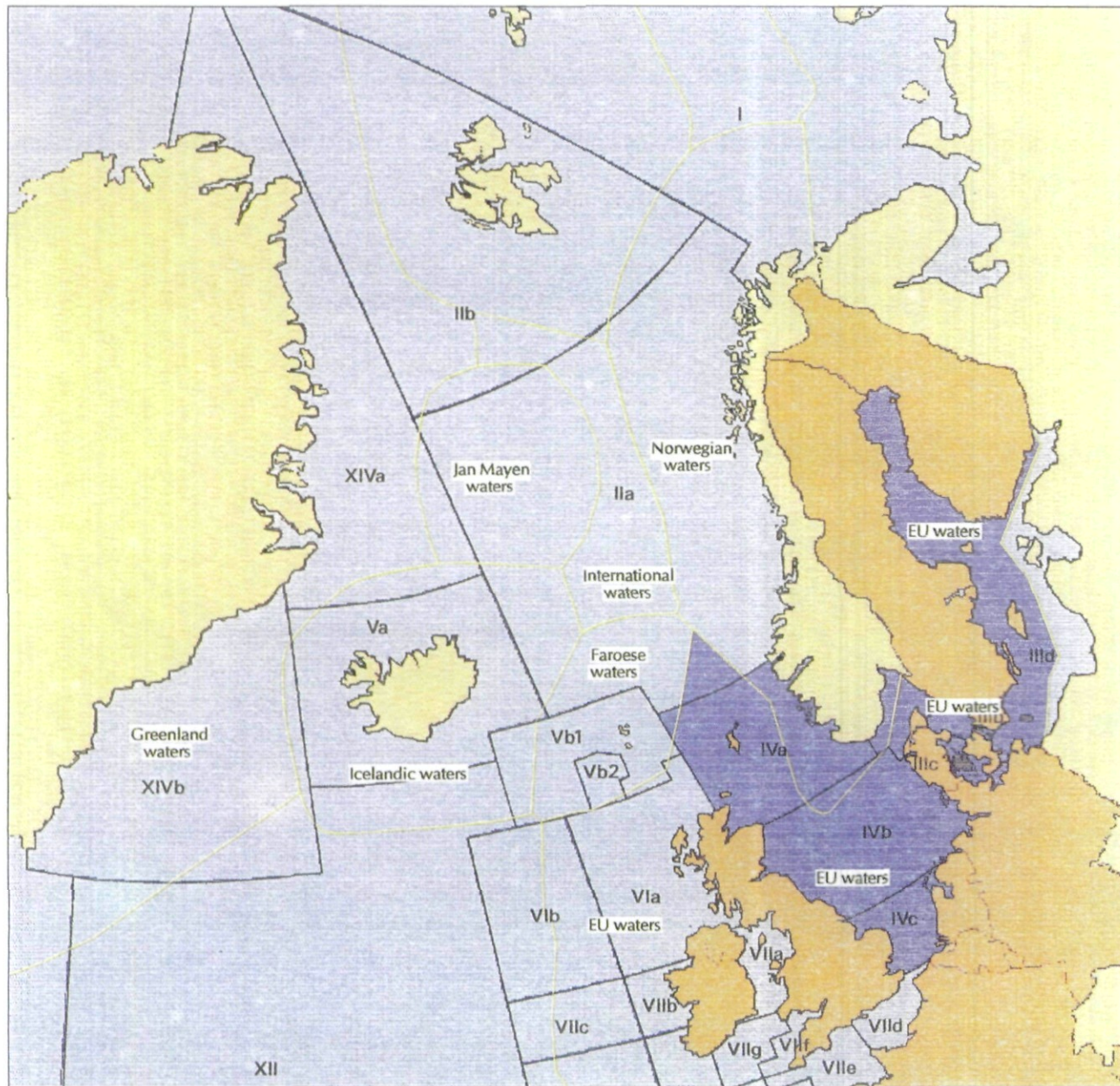


North Sea common sole

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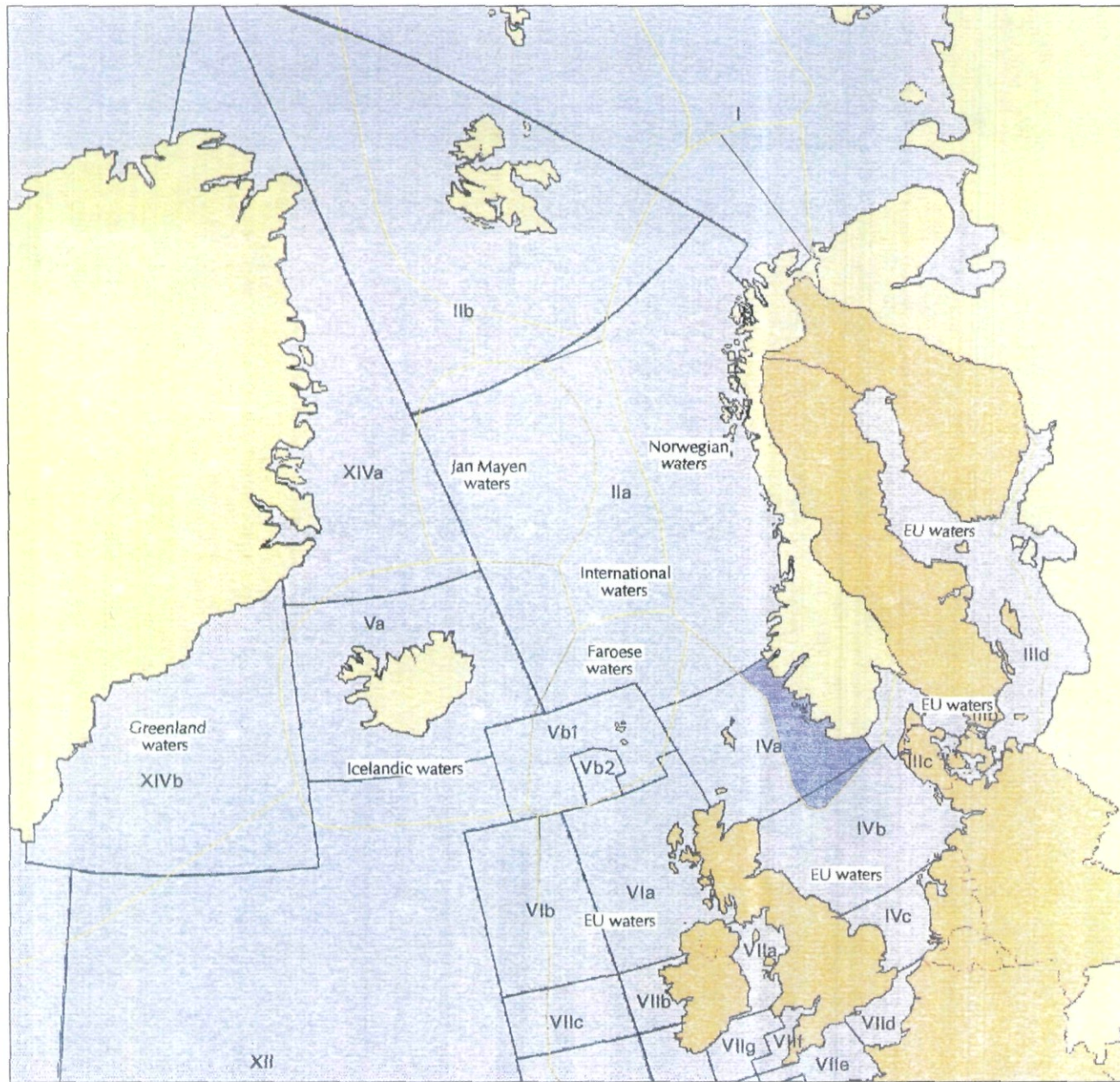


North Sea saithe

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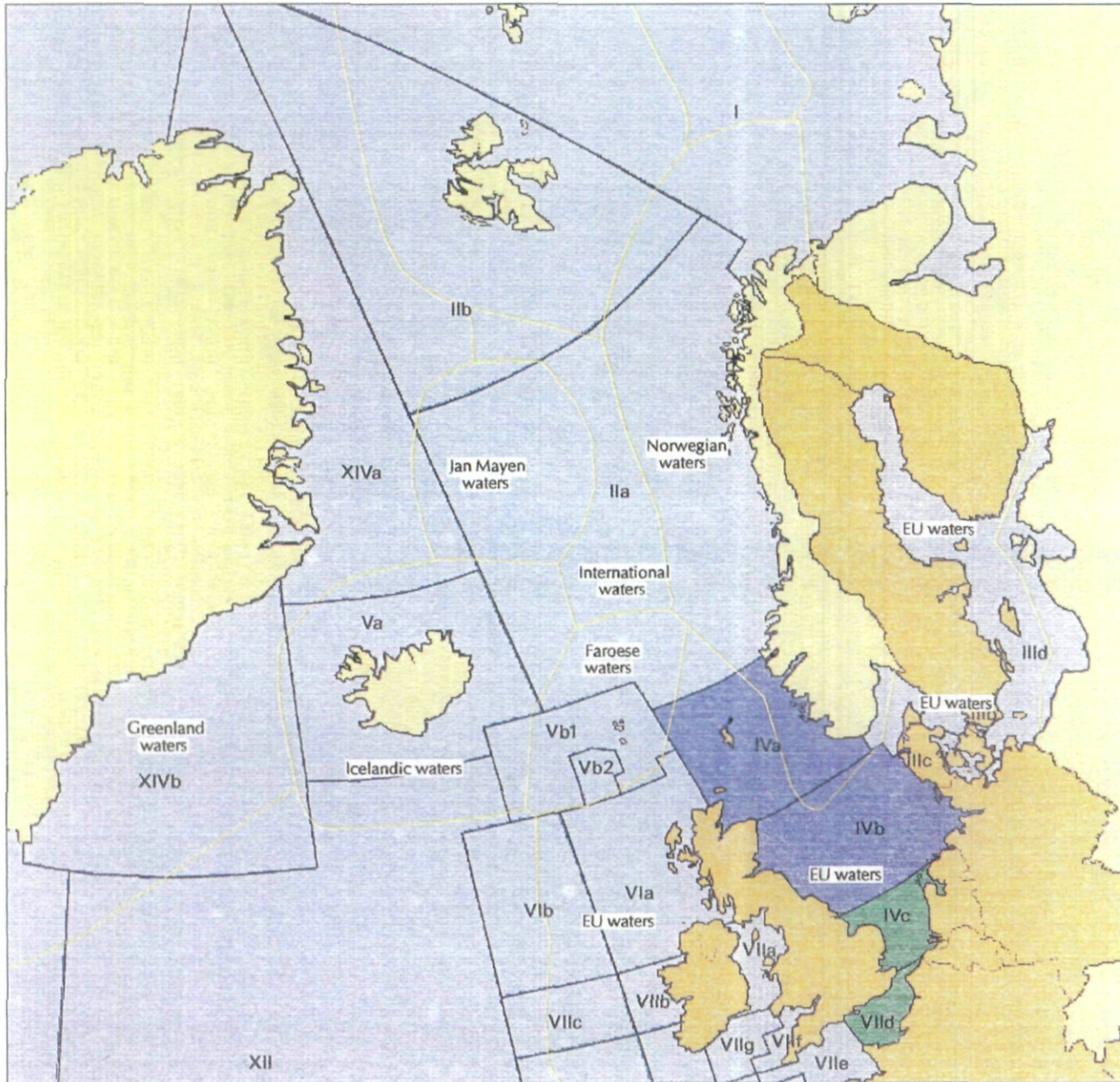
**Norway pout IV Norway (i)
Sandeel IV Norway
Other species IV Norway**

(i) Includes blue whiting and inextricably mixed horse mackerel

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North Sea herring Herring IVc, VII d

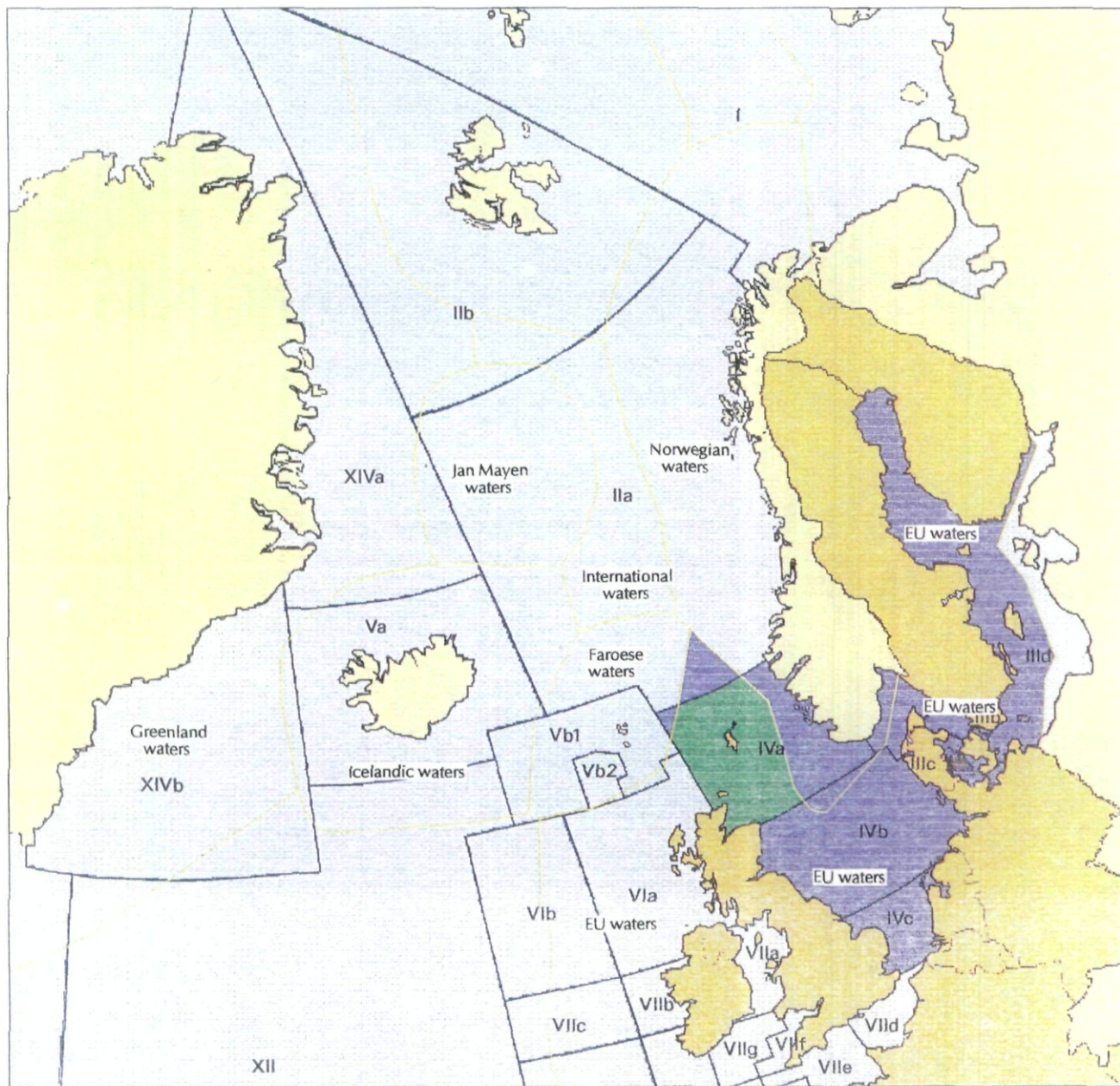
- North Sea Herring
- Herring IVc VII d (i)

(i) Excludes Blackwater stock

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North Sea mackerel

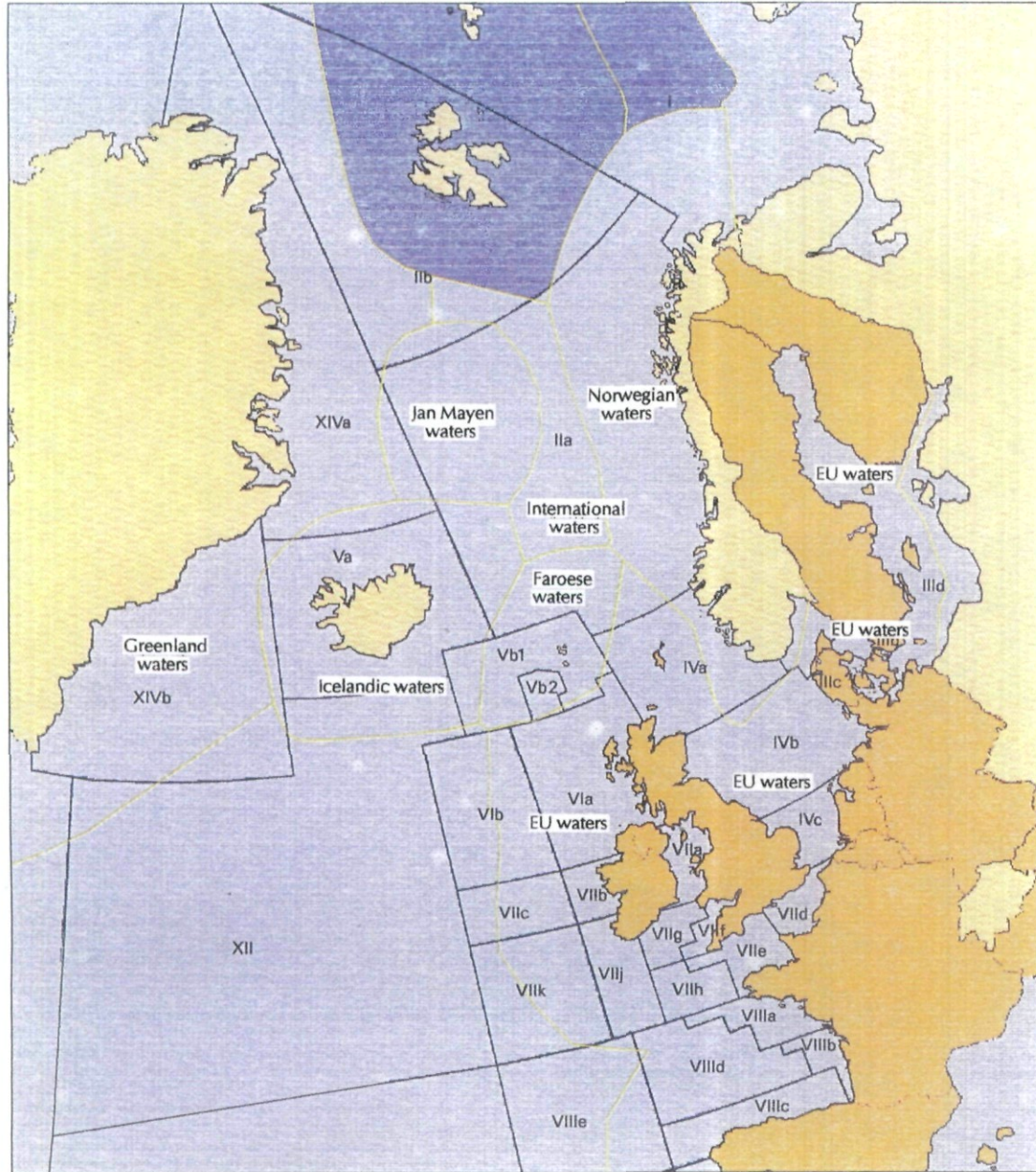
- North Sea mackerel
- North Sea mackerel
(16 Feb to 30 Sept)
West of Scotland mackerel
(1 Jan to 15 Feb and 1 Oct to 31 Dec)

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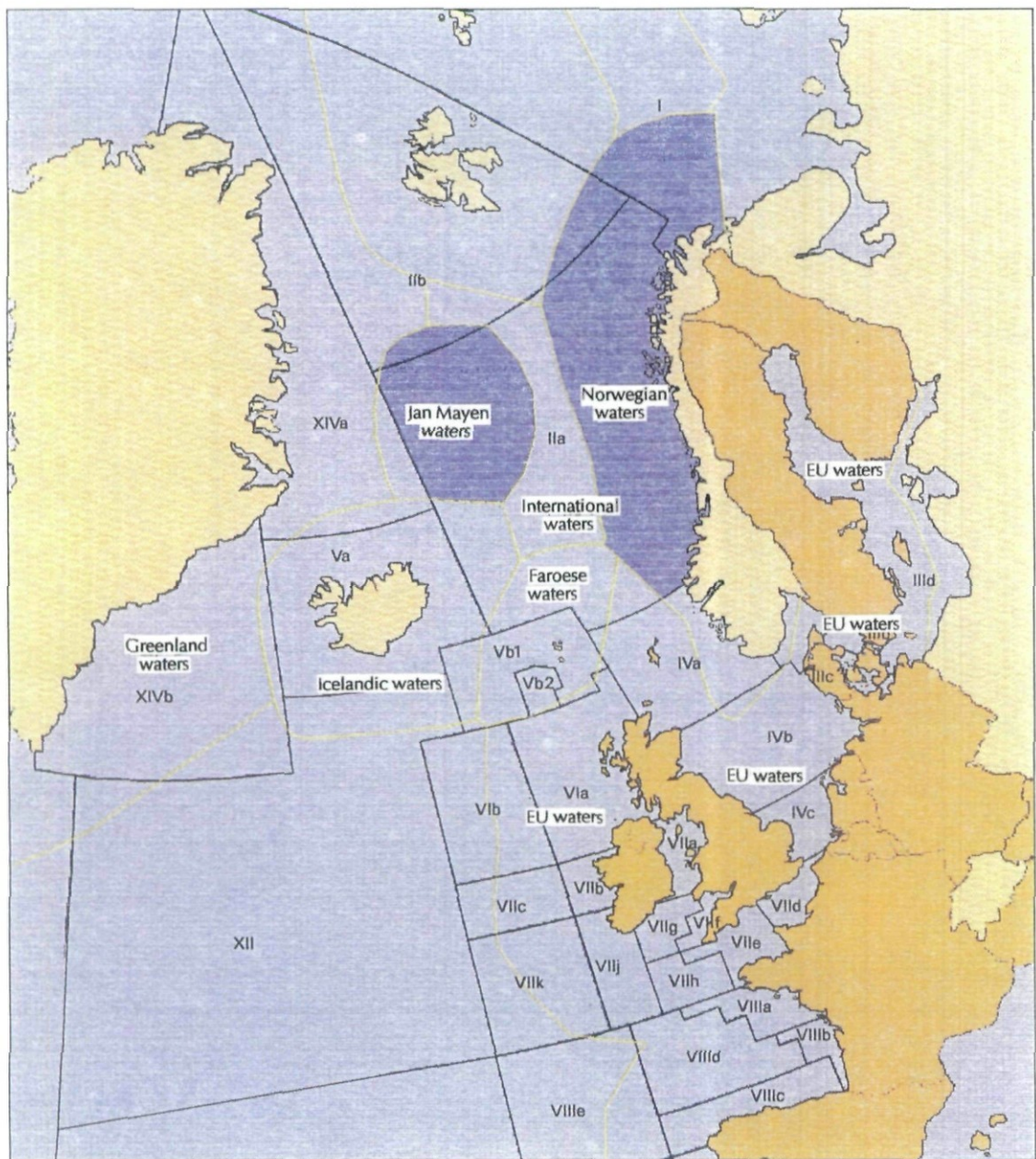
Cod I & IIb



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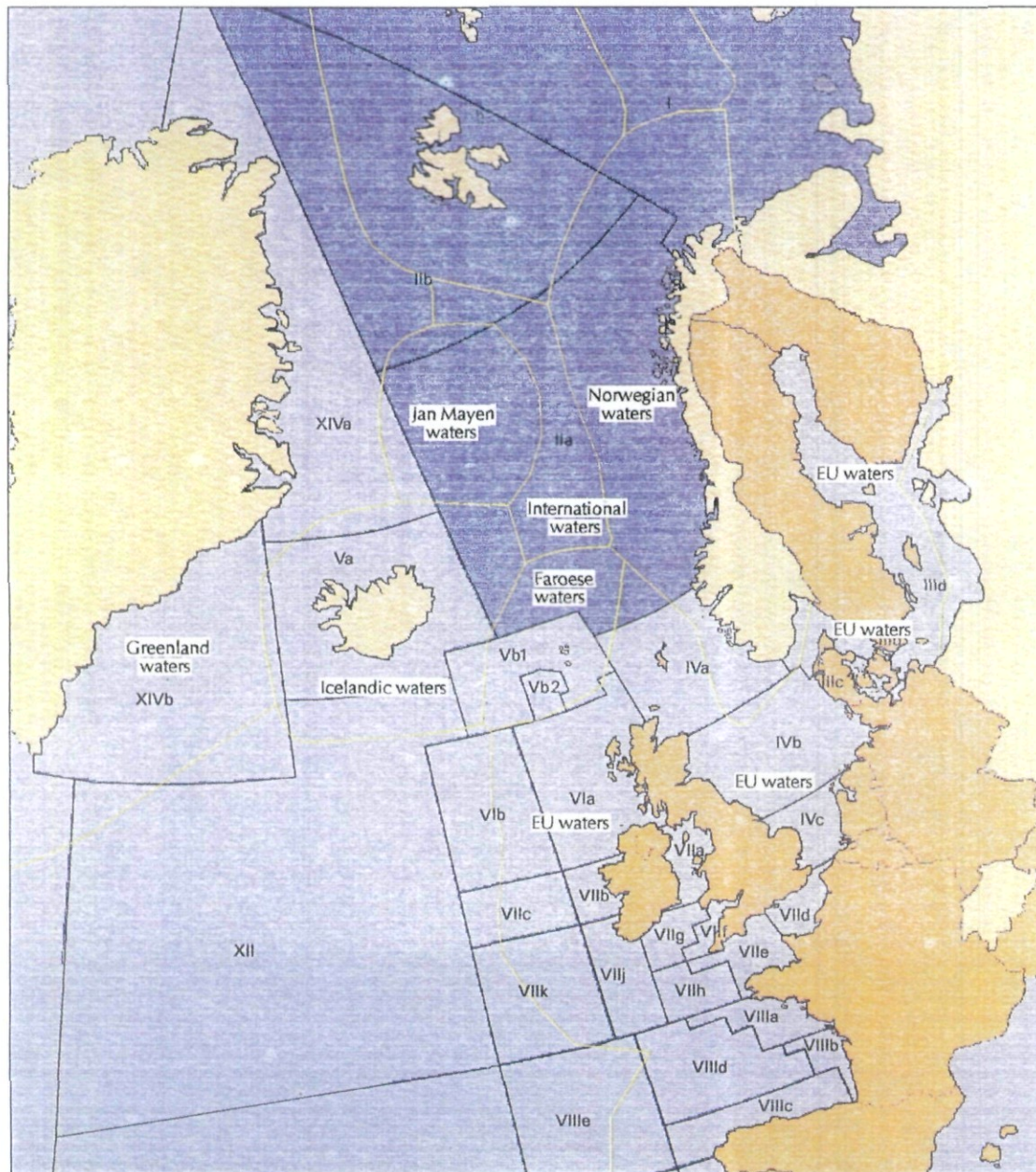


Cod I, II Norway
Greenland halibut I, II Norway
Haddock I, II Norway
Redfish I, II Norway
Saithe I, II Norway
Other species I, II Norway

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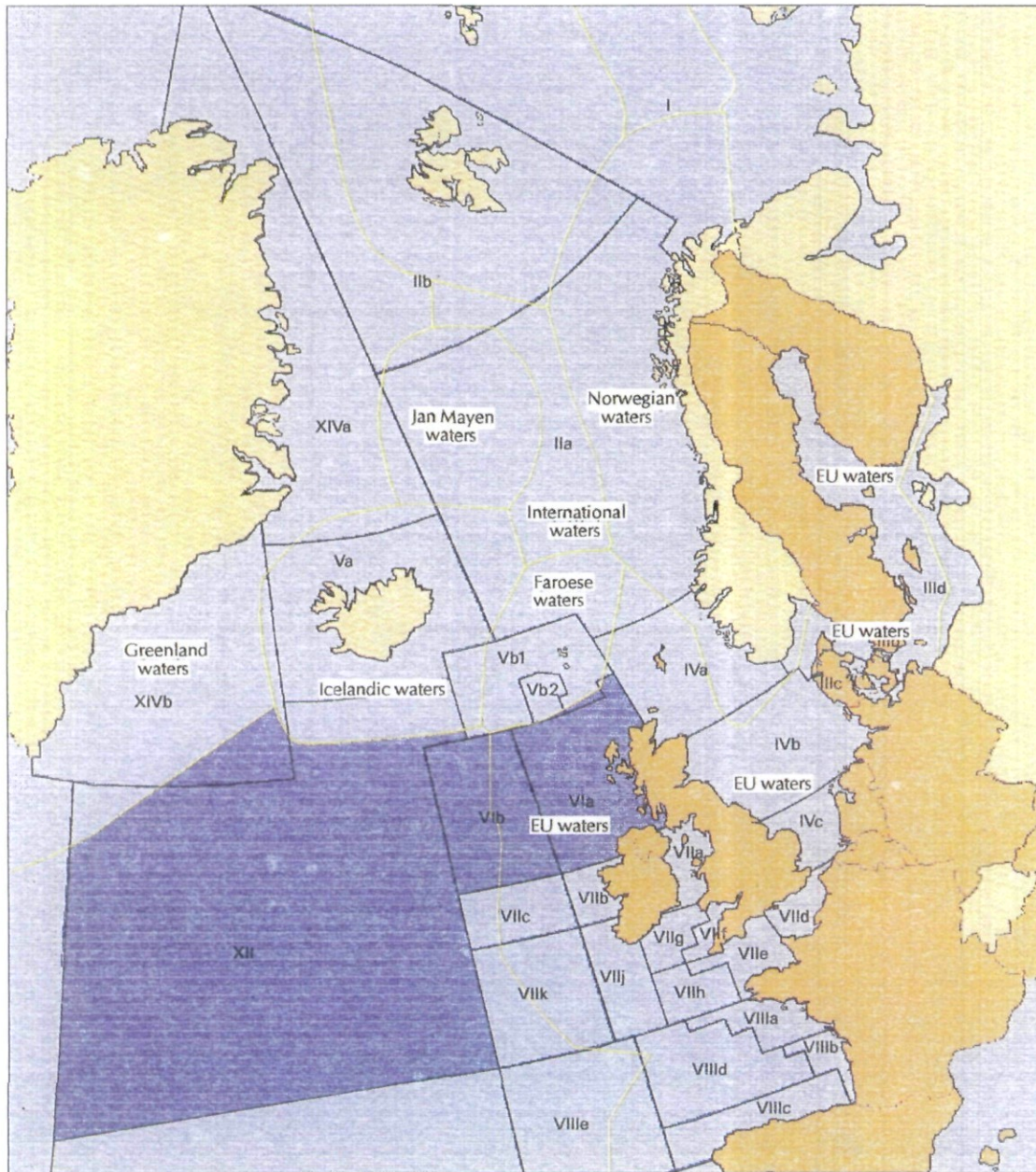


Herring I & II

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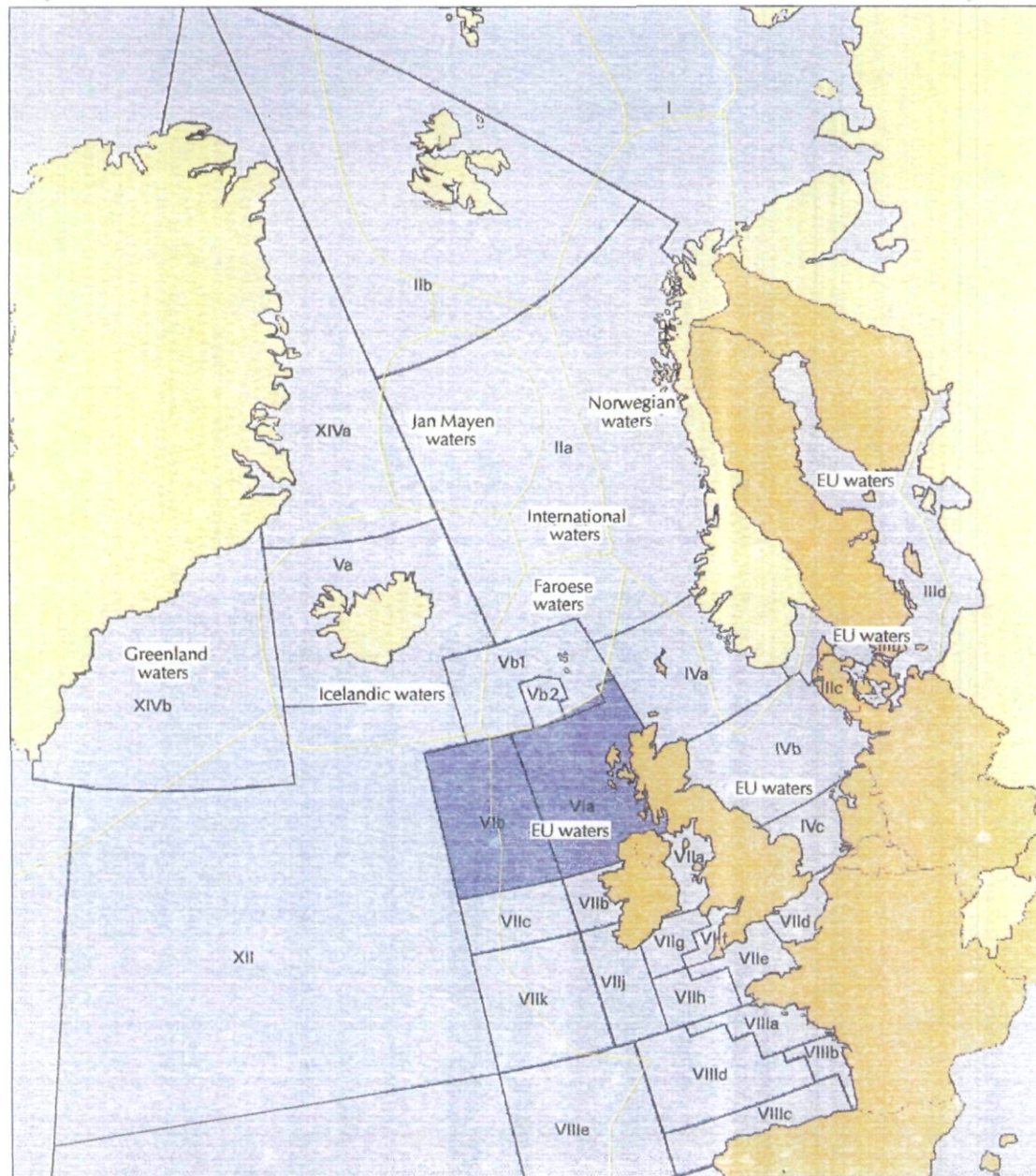


- West of Scotland anglerfish
- West of Scotland cod
- West of Scotland haddock
- West of Scotland megrim
- West of Scotland plaice
- West of Scotland pollack
- West of Scotland saithe
- West of Scotland common sole
- West of Scotland whiting

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Source: Fishery extent – SERAD

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August 2000

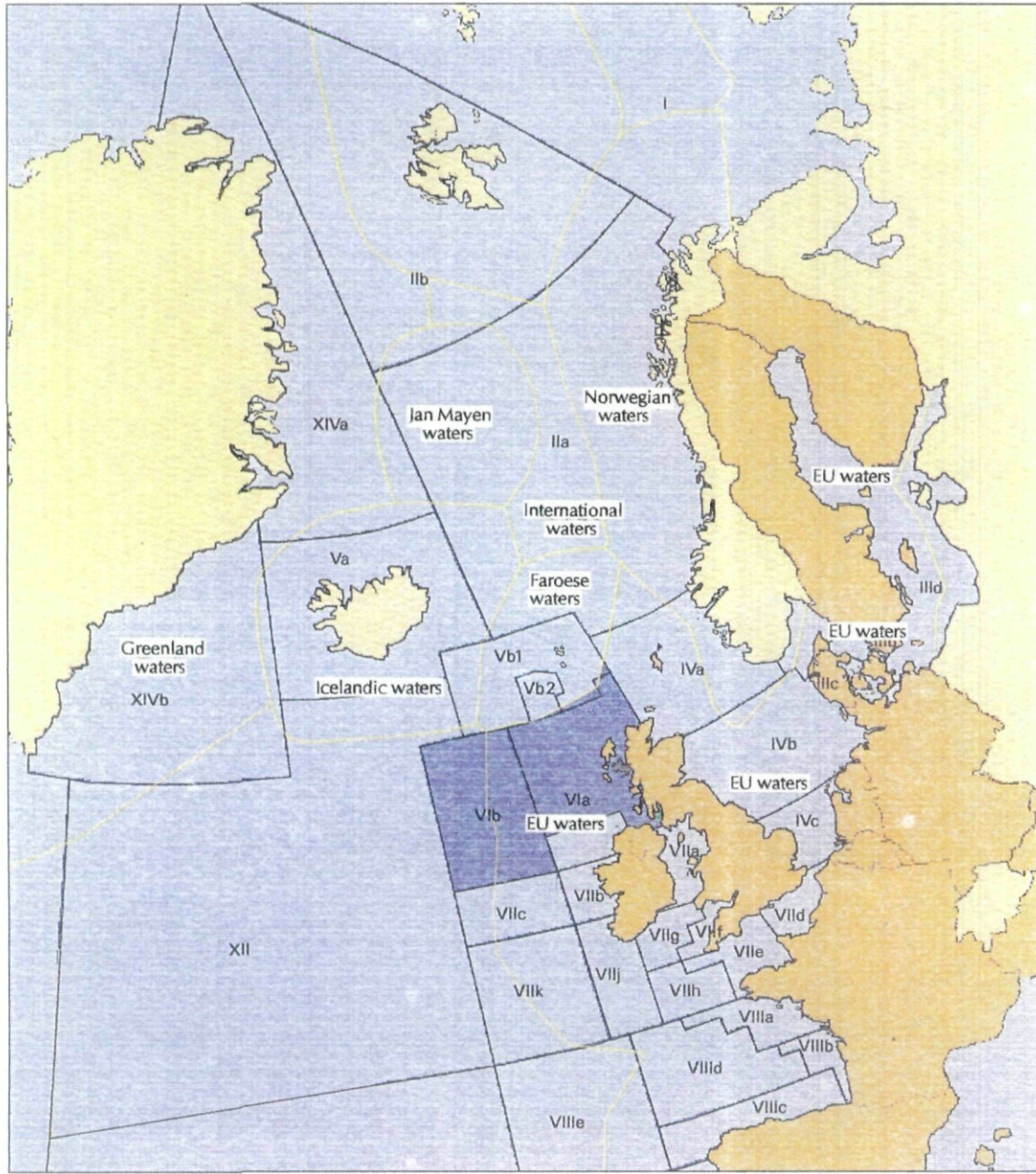


West of Scotland Norway lobster

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August 2000



West of Scotland herring (i) Clyde herring

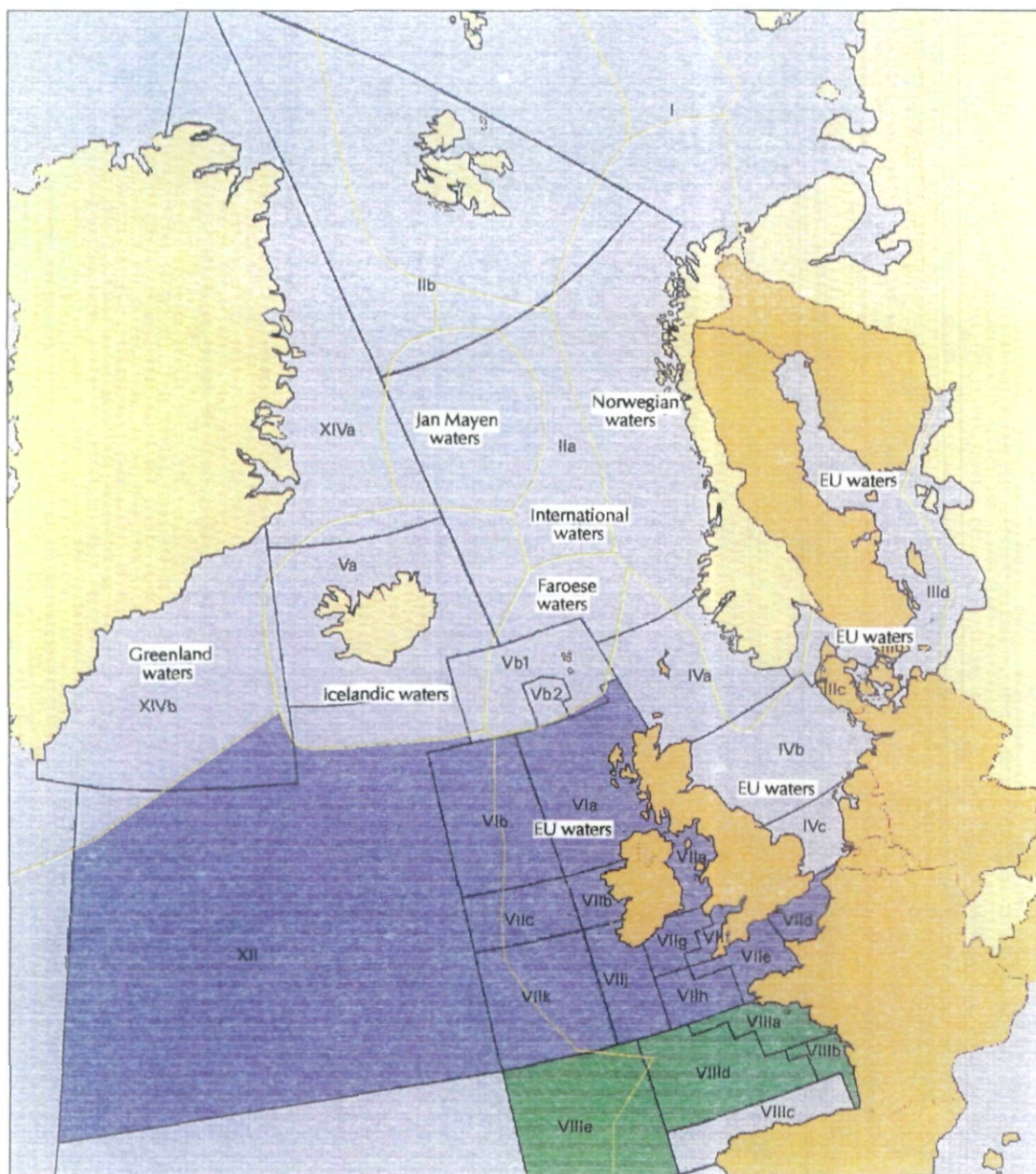
- West of Scotland herring (i)
- Clyde herring

(i) Excludes Clyde




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Job JH1230
August 2000



Biscay blue whiting
Western blue whiting
Western hake
Western horse mackerel (i)

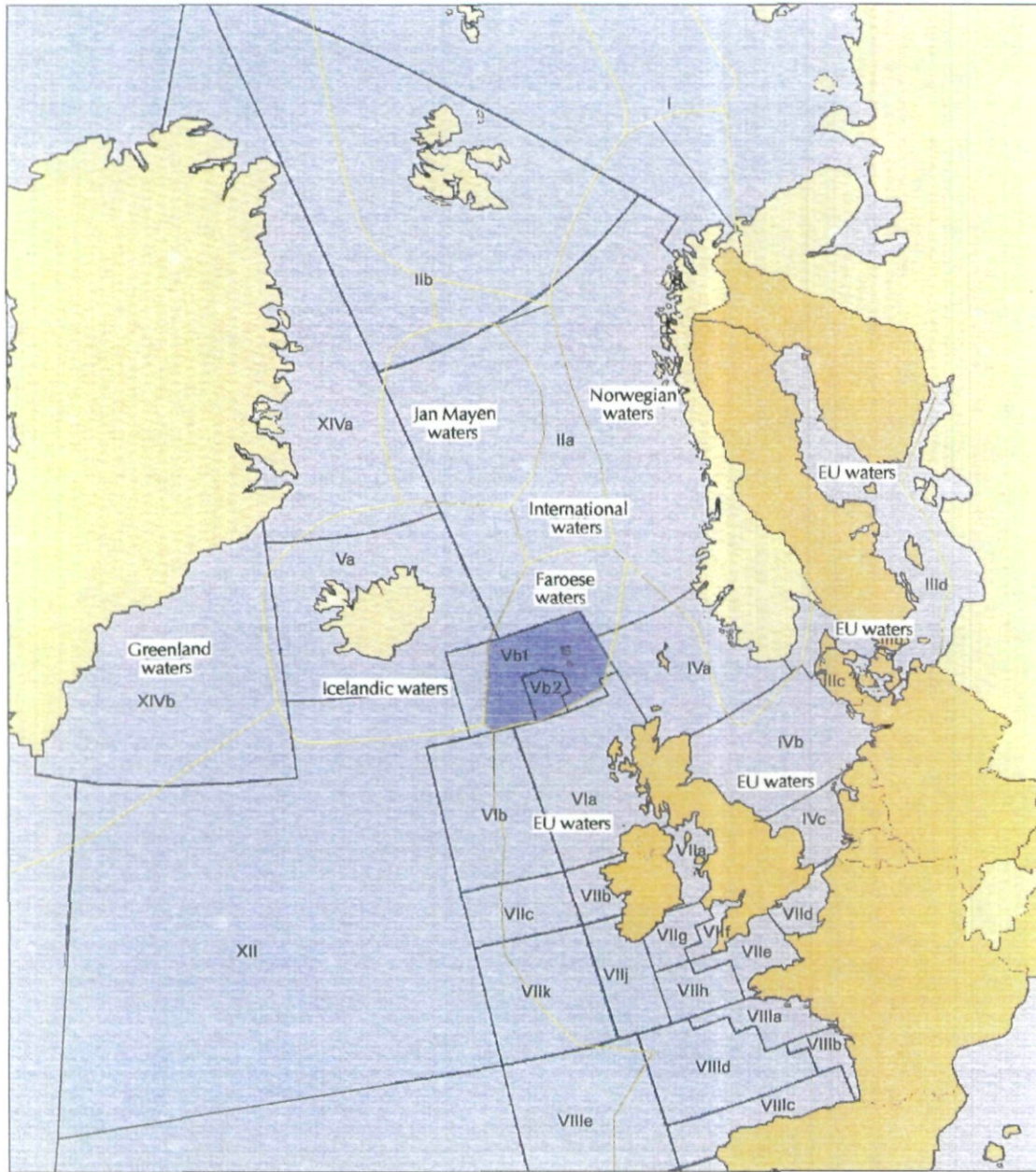
-  Western hake
Western blue whiting
-  Biscay blue whiting
-  West of Scotland horse mackerel
- 

(i) Excludes waters under the sovereignty or jurisdiction of Spain or Portugal

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Source: Fishery extent – SERAD

Scottish Executive Geographic Information Service
Job JH1230
August 2000

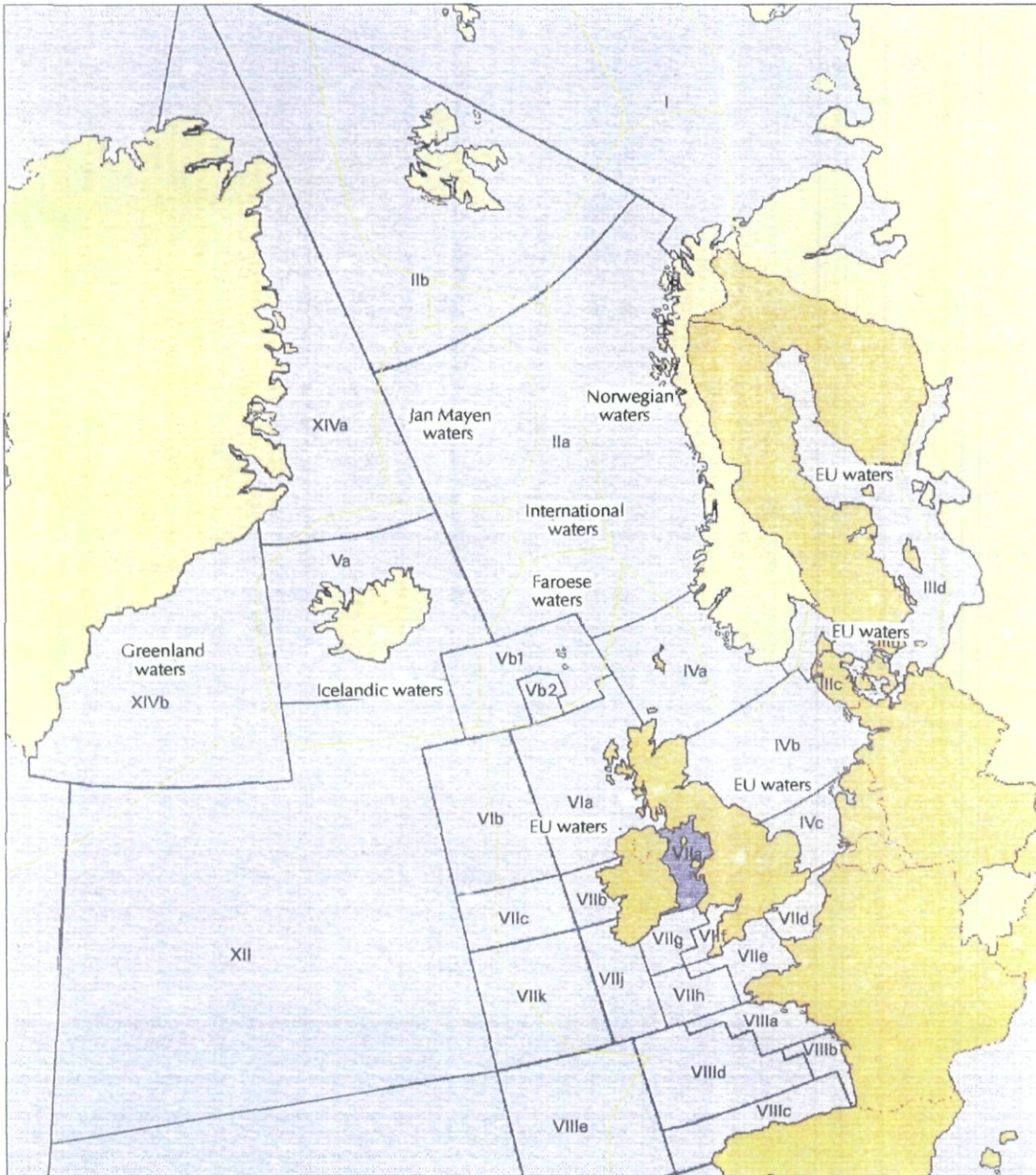


Blue whiting Vb Faroes
Flatfish Vb Faroes
Ling & blue ling Vb Faroes
Redfish Vb Faroes
Saithe Vb Faroes
Other species Vb Faroes

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Source: Fishery extent – SERAD

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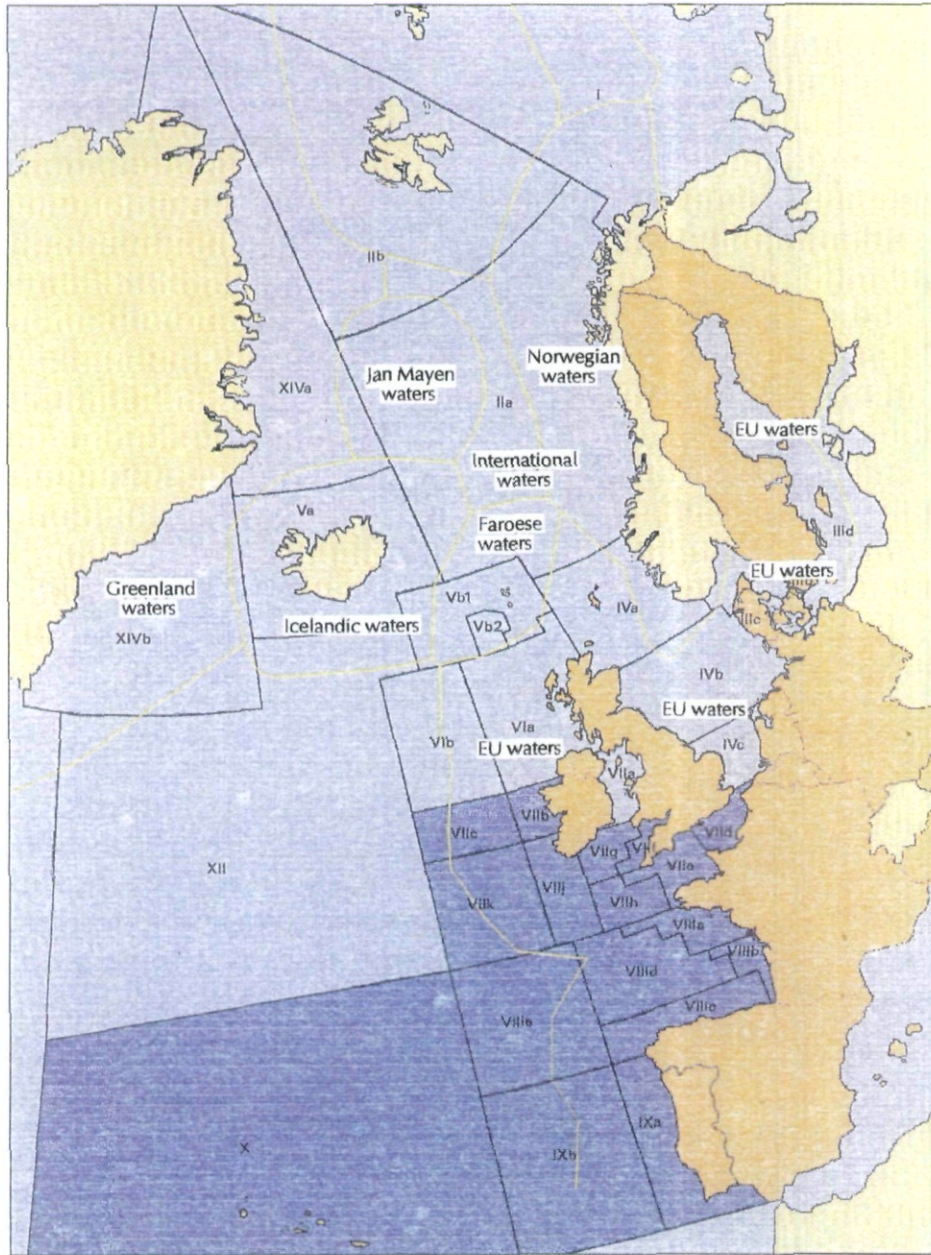


Cod VIIa
Common Sole VIIa
Plaice VIIa
Whiting VIIa

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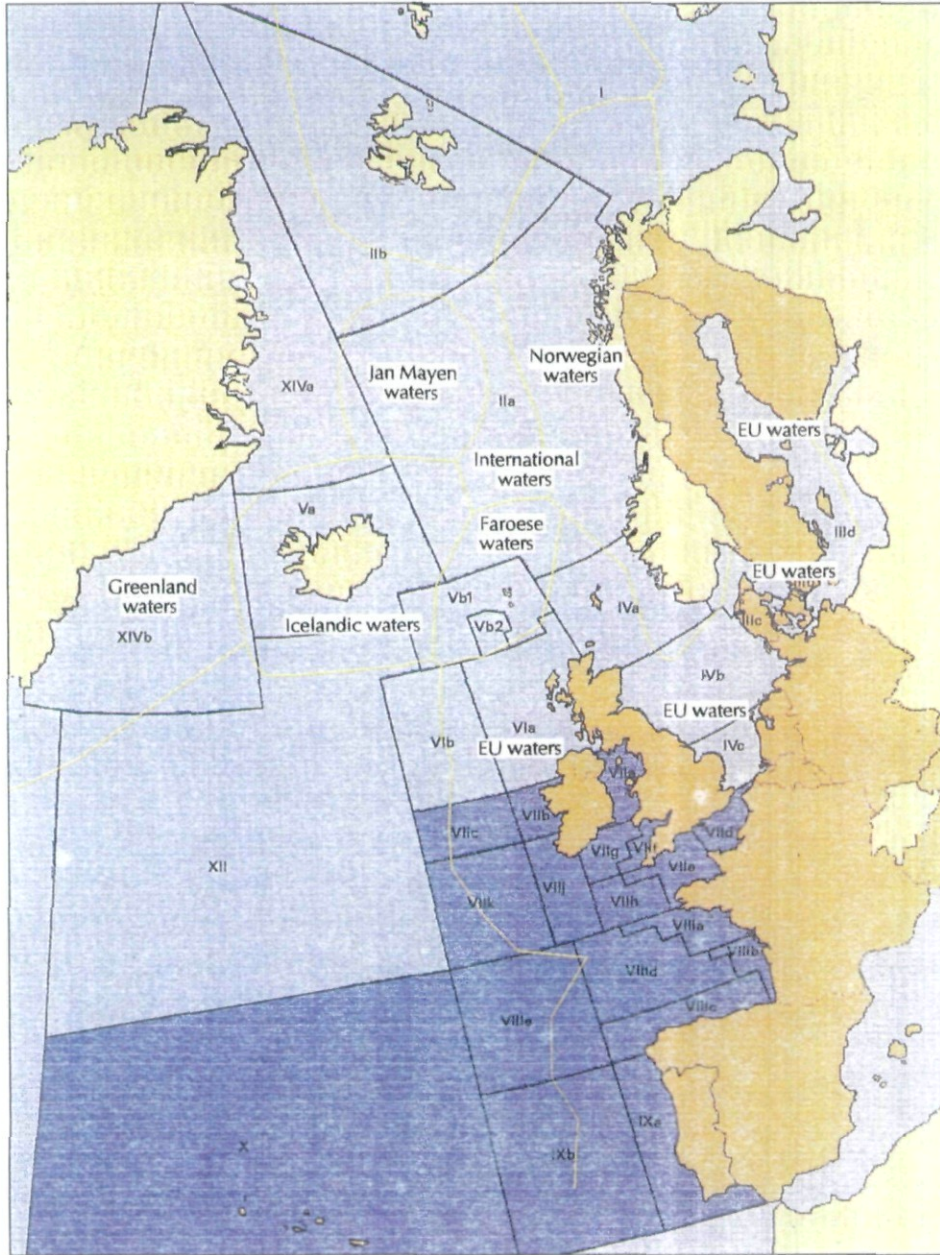
Cod VIIIb-k (i)

(i) Excludes waters under the sovereignty or jurisdiction of Spain or Portugal

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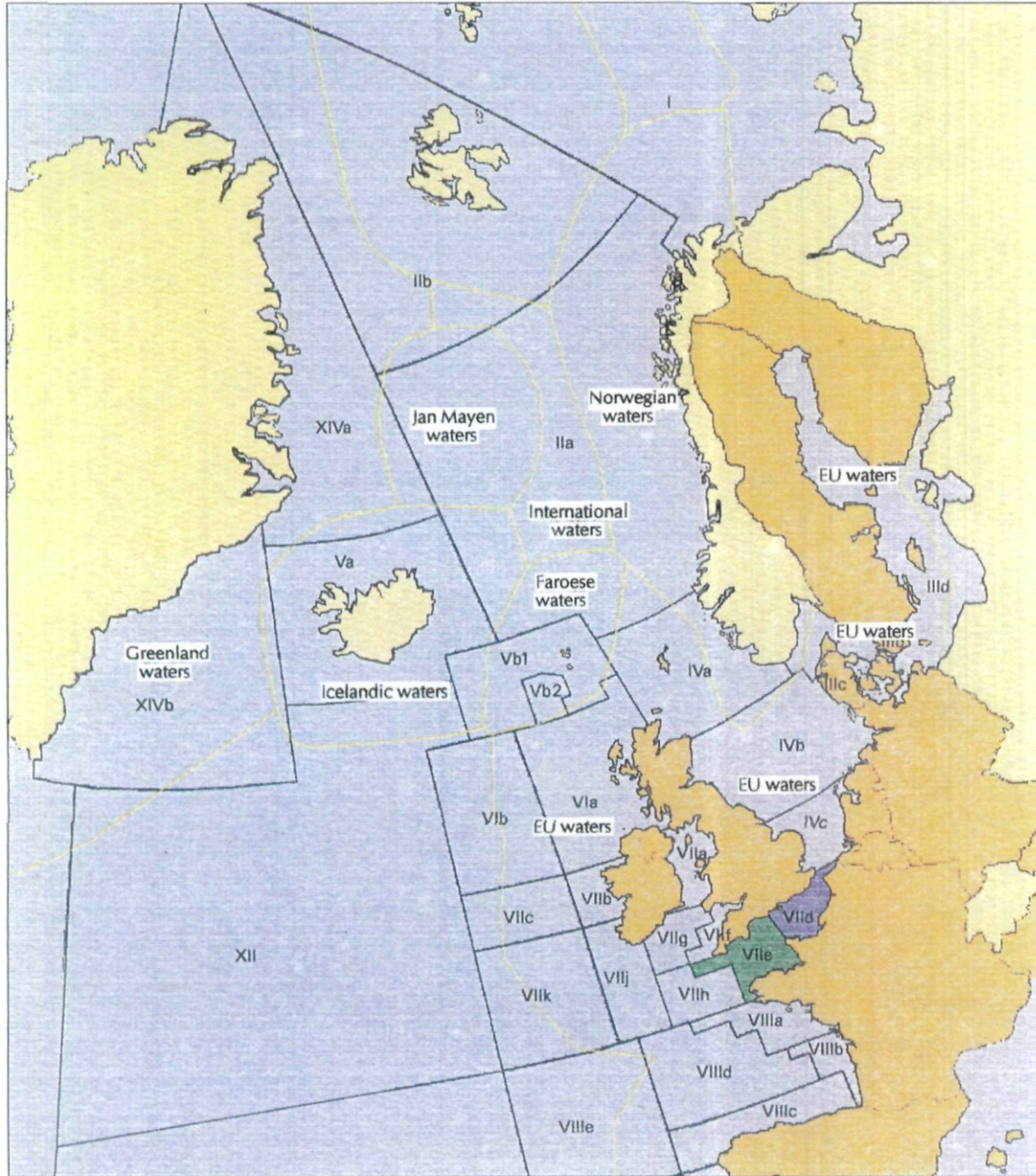
Haddock VII (i) Saithe VII (i)

(i) Excludes waters under the sovereignty or jurisdiction of Spain or Portugal

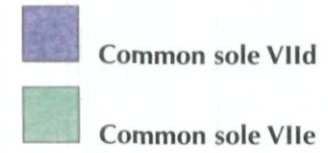
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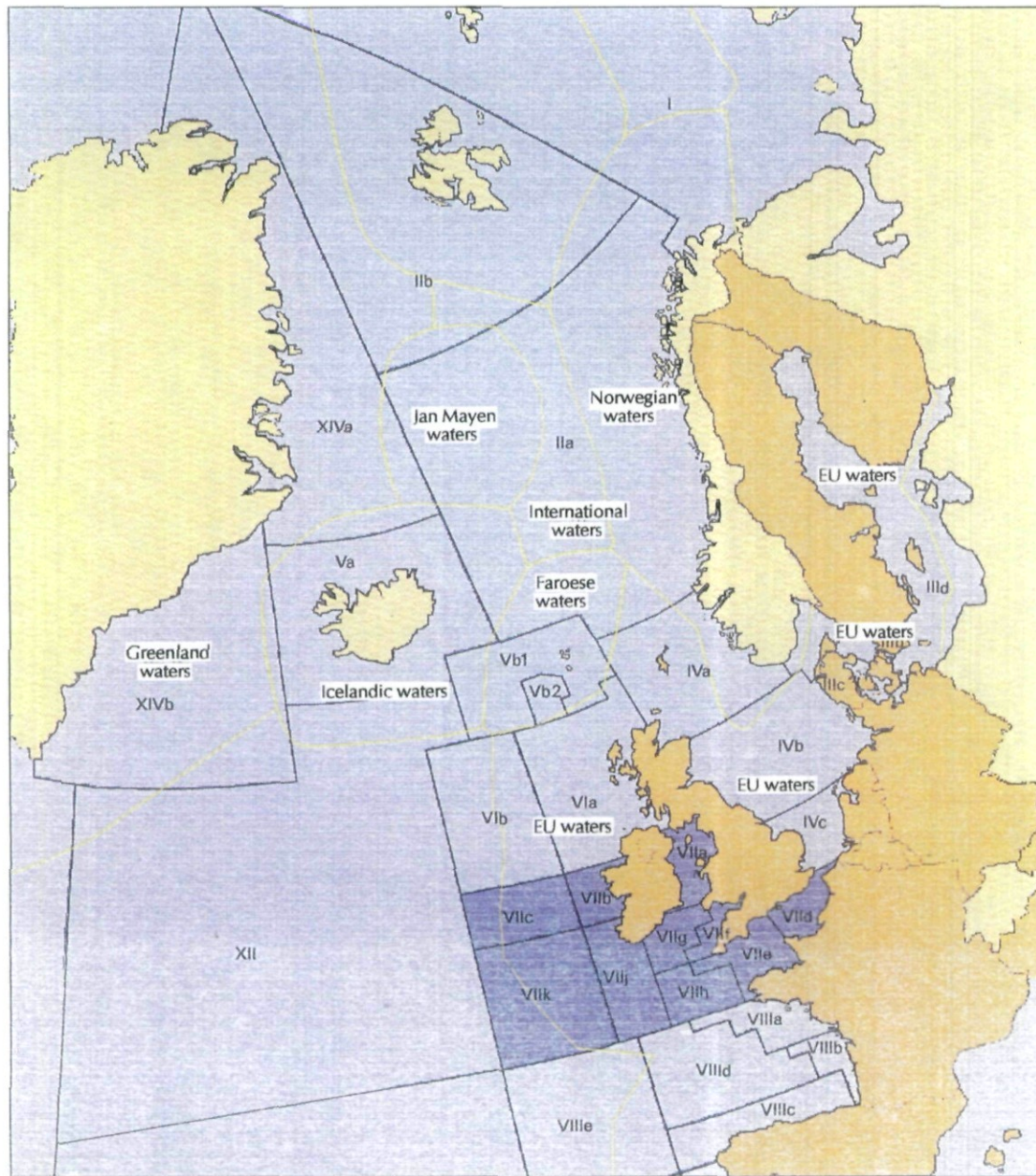
Common sole VIIId
Common sole VIIe



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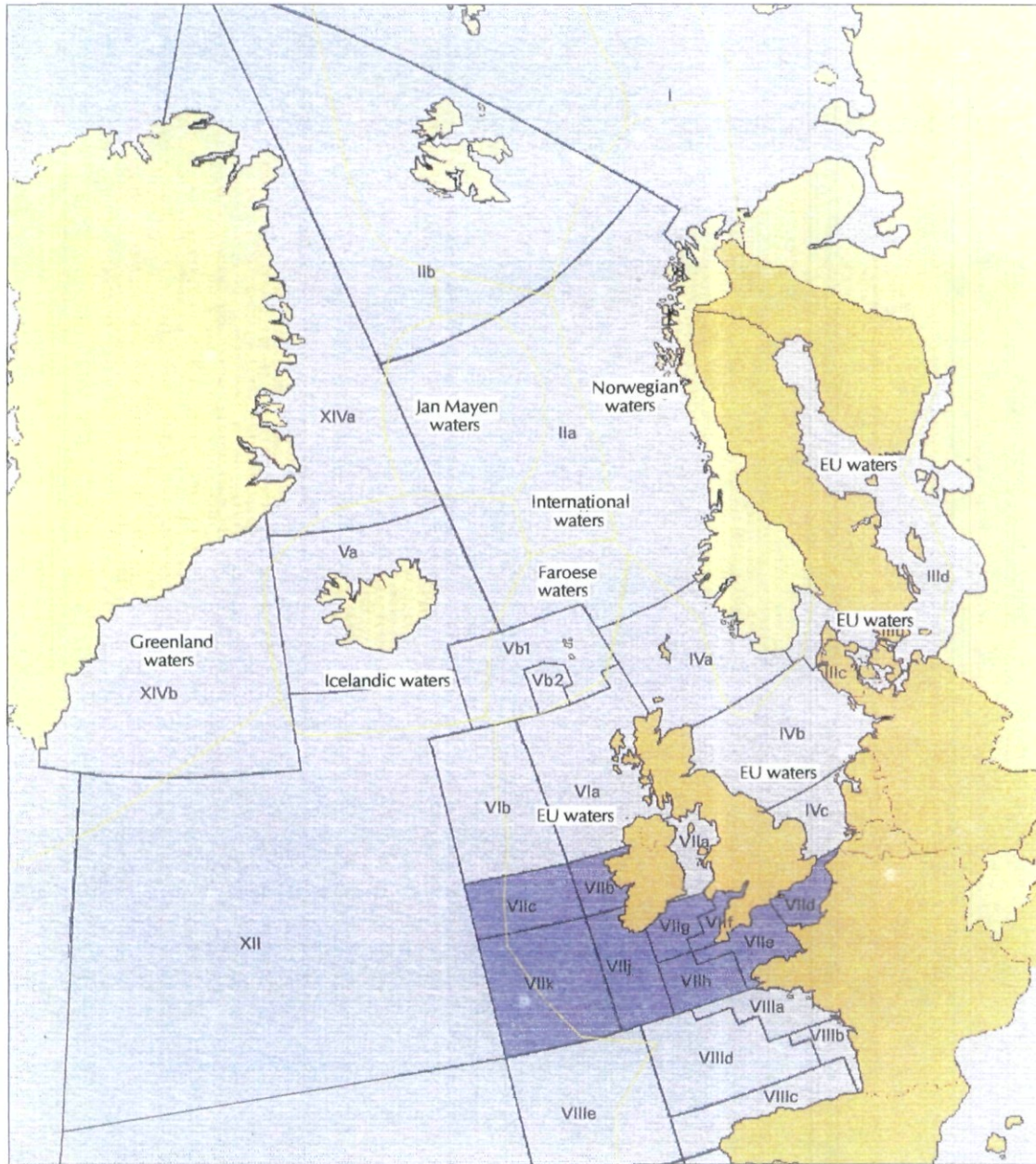


**Anglerfish VII
 Megrims VII
 Norway lobster VII
 Pollack VII**

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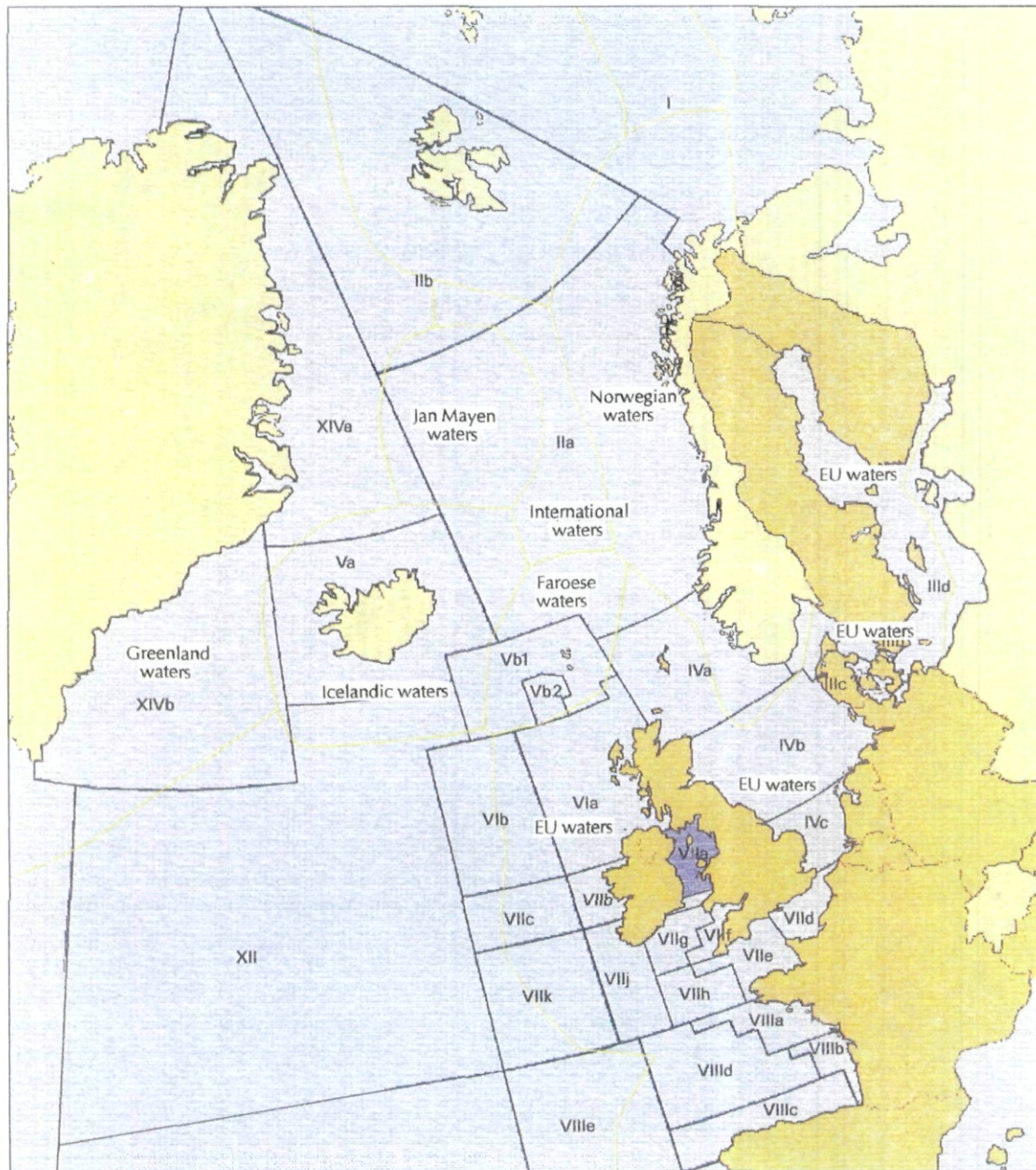


Whiting VIIIb-k

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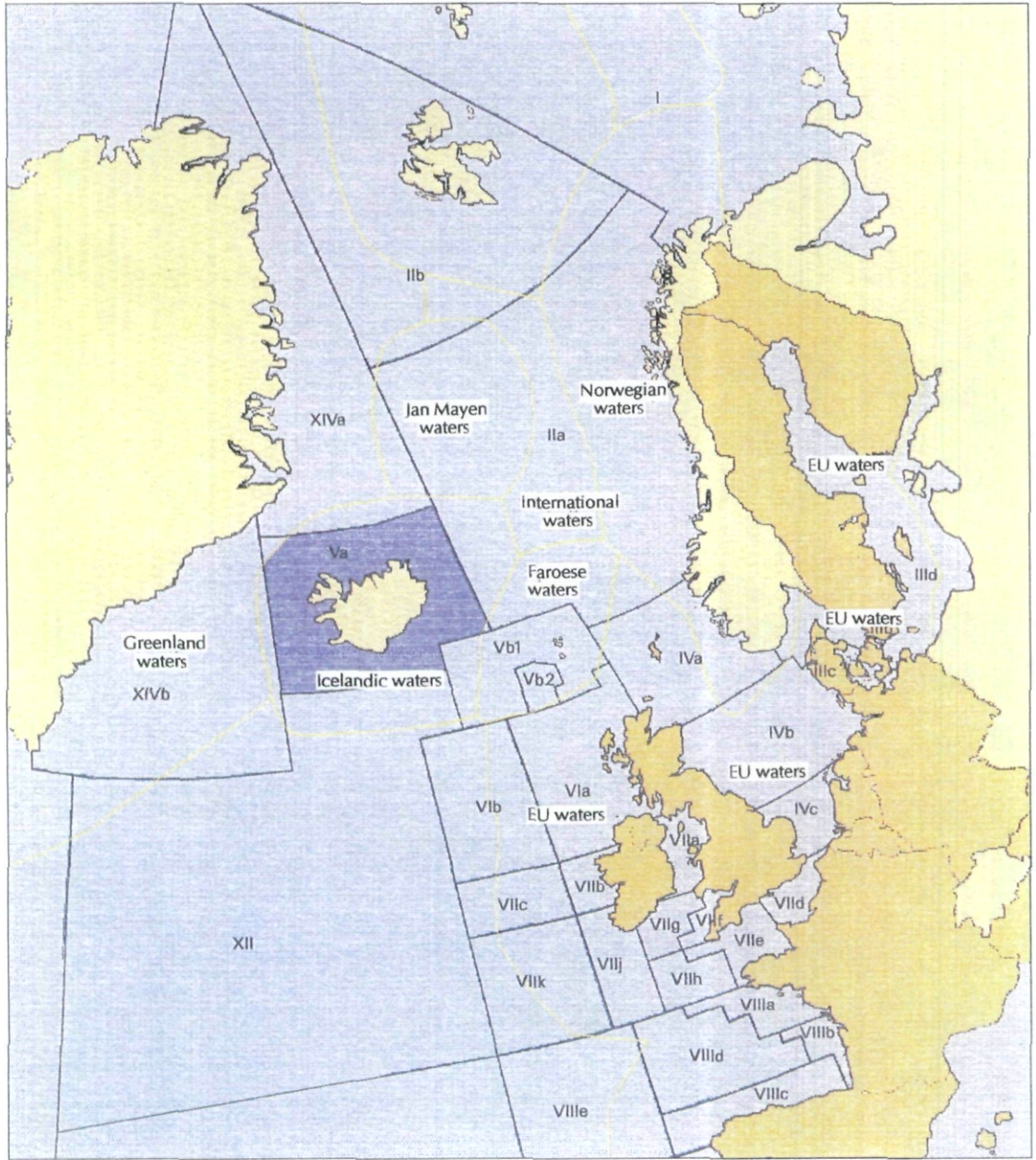
Herring VIIa (i)

(i) Excludes part of VIIa

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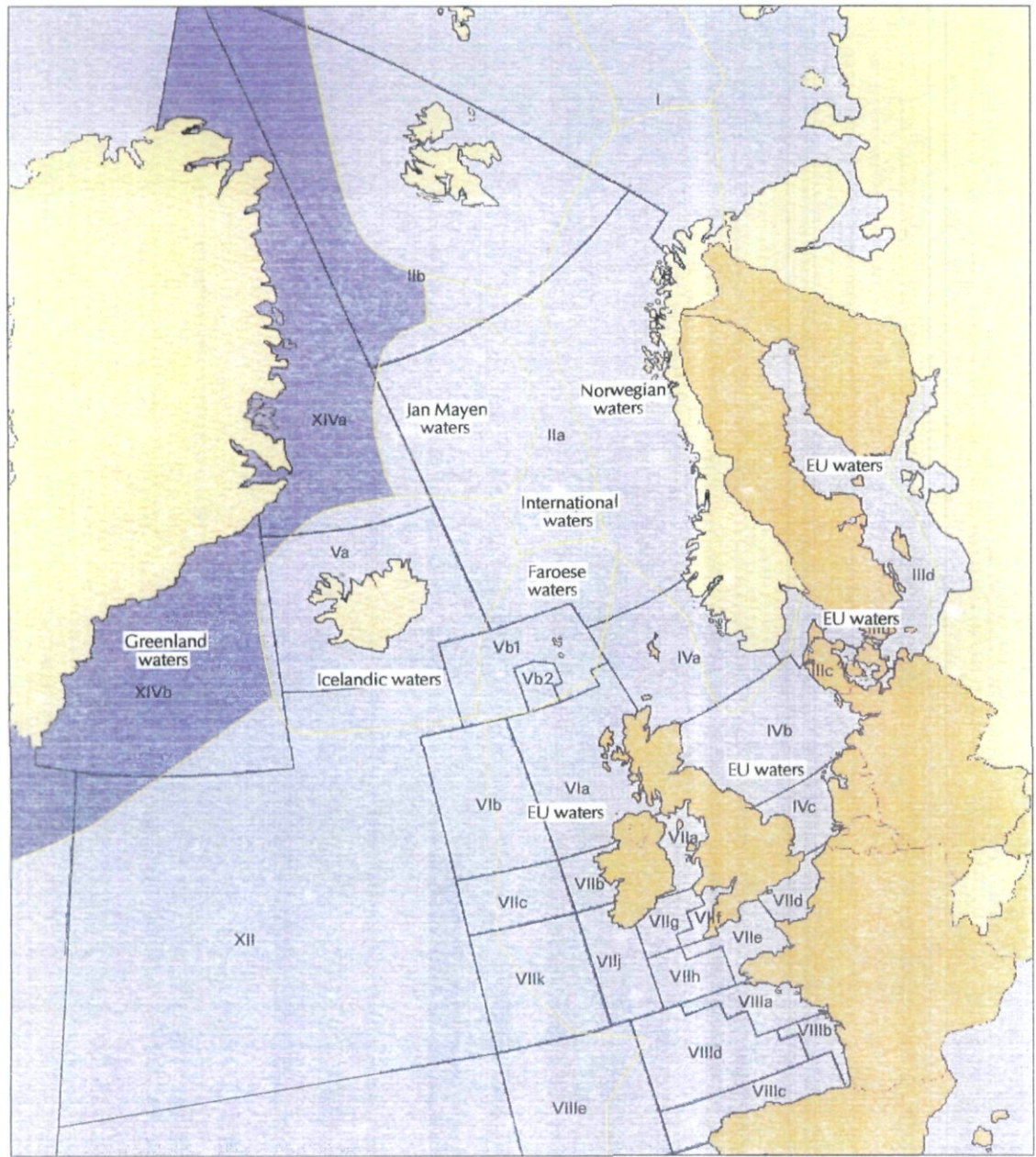


Redfish Va

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Greenland cod

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Notes

- 1. Scottish based and registered vessels** The statistics in this volume are produced mainly from the Scottish Executive Rural Affairs Department's database, which records details of sea fish landings into Scotland and landings by Scottish based vessels abroad (i.e those which are licensed by Scottish ports). Under devolution, a Scottish vessel is one, which is registered on the UK register of Seamen and Shipping at a Scottish port.
- 2. Base district/creek** Defined as the geographical area in which most of the owners of a vessel live and which includes the fishery office responsible for the issue of licences for that vessel. A creek is subdivision of a district.
- 3. Fishing Methods**
- Demersal trawl**
The gear consists of a net in the shape of a funnel attached to the vessel by wire ropes or 'warps'. As the net is towed over the sea floor the mouth is kept open by a combination of boards, floats and weights. The tail end of the net where the fish are trapped is the 'cod end'. The length of the warp is normally about three and a half to four times the depth of the water and can be used in depths of 100 to 450 metres from the stern of the vessel. Other single-vessel trawling methods (Industrial, Queen Scallop, Shrimp and Nephrop) follow the same principal. Nephrop trawl is used by 'inshore' vessels in the 10-25 metre length group, many of which are multi-purpose and may also use seine nets; if so rigged, a vessel can tow 2 or more smaller type trawls (Nephrop twin/multiple trawls).
- Pair (two boat/mid-water) trawl**
Used to fish at depths between the surface and the sea floor. The net is towed by two vessels which may be up to 400 metres apart, the depth of the net being mainly controlled by the length of the warps and the vessels' speed. The method is used by vessels in the inshore fleet for catching both demersal and pelagic species.
- Pelagic trawl**
Also used at depths between surface and sea floor, but vessel's (or vessels') speed when towing nets is greater than demersal trawling.
- Seine Nets**
Another bottom fishing method. The gear consists of a sac of netting with wings on either side kept in position vertically by floats and weights. Long warps are attached to the net, one of which is initially fastened to a flagpole passed through a buoy ('dahn buoy'). The vessel steams forward paying out warp, then the net itself, then more warp to form a triangle back to the dahn, which may be 1 to 3 km from the net. The vessel then steams ahead causing the warps to herd the fish into the path of the net, which is then winched aboard.
- Purse seine**
This method involves complete encirclement of a shoal or an area known to contain fish. The net, which may be up to 1.2 km long and 240 metres deep, is shaped like a purse. One end is first attached to a buoy, and the vessel then steams round the shoal paying out the net as it goes. On return to the buoy, the net is closed at the foot or 'pursed'. It is then winched to the side of the vessel and the fish taken on board by means of a fish pump. This gear requires relatively heavy equipment and is not generally suitable for vessels below 20 metres. It is used to catch pelagic species (mainly Herring, Mackerel, Sprats). Ring nets are similar except that the net is much smaller and operated by two vessels, although the use of ring nets is now uncommon.
- Beam Trawl**
The beam trawl is a bottom fishing trawl net, used mainly for catching flatfish with the headrope attached to a beam towed along the bottom on runners at either end. The net is heavily weighted with a chain on the underside and has tickler chains running in front.
- Gill Nets**
Sheets of netting, each about 35 metres long and totalling up to 1,500 metres or more, are paid out to form a curtain or barrier in the path of on-coming fish. The net is kept vertical by floats on the headrope and a heavy footrope, the fish being caught in the mesh by their gills. For white fish the nets are anchored near to the sea floor from which they are made to stand upright (by floats) like a fence.
- Great Lines**
These are lines of thin rope totalling 15,000 metres long with hooks attached at intervals. The hooks are baited and the lines then laid along the sea floor, their position being marked by floats at each end. This method is particularly suitable for rocky and uneven grounds where other methods may be impractical. It is used by vessels in the 25 to 30 metre group, although few use the method now.
- Small Lines**
Work on the same principal as Great Lines, but the vessels using this method are smaller and are usually at sea only one day at a time.
- Creels**
These are traps or pots used to catch shellfish, especially lobsters, nephrops and crabs. The pots are generally made from a combination of wood cane and netting. They are normally arranged on the sea floor in lots between 10 and 50, depending on the capacity of the vessel.
- Mechanical Dredge**
Used to catch scallops, queen scallops and cockles. The gear consists of a steel-framed mouth attached to a bag of light metal link chain. As the dredge is towed along the sea floor, metal teeth attached to the underside of the mouth rake the shellfish into a bag. The number of dredges on the vessel - which may be up to 20 metres - may vary depending on its power and size.
- Suction Dredge**
Consists of a sledge dredge, which is towed along the sea bottom and a suction pipe, which transfers the cockles from the dredge to the vessel. Another method uses the suction pipe to blow sand clear of the shellfish, which are then gathered by hand by divers.

Fish photograph on cover courtesy of:
Tom McInnes, FRS Marine Laboratory

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