

Landings into England and Wales from the UK demersal fisheries of the Irish Sea and Western Approaches, 1979-1990

M.J. Boon



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M. J. Boon

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The author: M. J. Boon, BA, is a Scientific Officer in Fish Stock Management Division, Section 2, and is based at the Fisheries Laboratory at Lowestoft.

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1. Introduction and data presentation	5
2. Results	5
2.1 Total UK demersal landings from ICES Divisions VIIa and e-h.	5
2.2 Irish Sea (ICES Division VIIa).....	6
2.3 Western Approaches (ICES Divisions VII e-h)	7
2.3.1 <i>ICES Division VIIe</i>	7
2.3.2 <i>ICES Division VIIf</i>	8
2.3.3 <i>ICES Division VIIg</i>	9
2.3.4 <i>ICES Division VIIh</i>	10
3. Conclusions	10
4. References.....	10
Tables 1-7	11
Figures 1-13	28

1. INTRODUCTION AND DATA PRESENTATION

Landings of demersal fish by UK vessels (that is, English, Welsh, Scottish and Northern Irish boats) fishing in the Irish Sea and Western Approaches are recorded at more than 90 ports in England and Wales, from Maryport in the northwest to Blyth in the northeast. Figure 1 shows all of the ports where at least one tonne of demersal fish has been recorded from ICES Divisions VIIa and VIIe-h in any year between 1979 and 1990, and Table 1 gives the annual weight of the total international demersal landings and weight and value of the UK demersal landings made during this period from each of these ICES Divisions. Tables 2(a)-6(a) give the breakdown of the UK landings each year by species, and Tables 2(b)-6(b) give the total UK demersal landings by port (the ports being ordered anti-clockwise around the English and Welsh coasts from the northwest). Figures 2-7 and 8-13 show the relative importance, by weight and value, of the top six demersal species landed in pairs of years, 1979/80 to 1989/90, from VIIa and VIIe-h respectively, together with the major ports at which at least 5% of the total demersal landings, by weight or value, were made from each of these ICES Divisions. The area of each circle is proportioned to the weight or value of the total UK landings of demersal fish in England and Wales from a particular ICES Division averaged over each 2-year period.

The key for each figure shows the species in decreasing order of importance in that year/Division combination. However, those for VIIe-h (Figures 8-13) are in order of weight or value of landings from all four ICES Divisions, and show only those species that appear in the 'pie' diagrams (i.e. the top six species from each ICES Division). Landings of some of the main demersal species at the major ports are shown in more detail in Table 7(a-e).

The UK data for this report have been taken from the MAFF Fisheries Statistics computer database at Guildford, and the international data are nominal landings as officially reported to ICES. In the "Fishstats" database, some 'groups' of species are recorded as single species, following the landing practices at the ports, and these species' groupings have been used in this report (Table 8). For example, several species of ray and skate are caught in the southwest, but are boxed together on the fish market. They have therefore been treated as one species ("rays") in this report, and are shown as "*Raja* spp." in Table 8. All scientific names in Table 8 have been taken from Wheeler (1969). The weight of anglerfish landed to UK ports has been revised by Elson *et al.* (1989), who noted that these species are landed at different ports as "whole", "heads on gutted", or "tails only". Prior to September 1983, these details were sometimes not entered on the recording forms, and landings were assumed to be gutted weight when processed. For this report, the tail weight and gutted weight have been raised to whole weight using factors of x 3.07 and x 1.25 respectively.

2. RESULTS

2.1. Total UK demersal landings from ICES Divisions VIIa and e-h

[Table 1]

The UK landings of demersal fish in England and Wales from ICES Divisions VIIa, e and f represent an increasing proportion of the total international landings from these Divisions. Between 1979 and 1987, the UK proportion of landings rose from 18 to 20% (VIIa), 20 to 28% (VIIe), and 15 to 35% (VIIf). A similar comparison cannot be made for landings from

VIIg and h as the total international figures are recorded only for VIIg-k combined, but the UK component of landings from these Divisions was considerably smaller than that for VIIa, e and f. It is also not possible to directly compare landings for the three most recent years as the total international catch statistics for this period are not yet available, but the UK proportion for 1988-90 is likely to be similar to the previous two or three years.

The UK landings from VIIa and e-h increased steadily from 17.6 kt in 1979 to 28.4 kt in 1983, then decreased over the next three years before rising to 34.5 kt in 1988 and settling at around 30.6 kt in 1989 and 1990. The value of these landings has increased each year, from £9.9M in 1979 to £42.1M in 1990. Consequently, the twelve-year period can be split into four parts: 1979-83, which saw an increase of 62% in weight and 92% in value; 1983-86, when weight decreased by 7% but value increased by 59%; 1986-88, with an increase of 31% in weight and 24% in value; and 1988-90, with a decrease of 11% in weight but an increase of 40% in value. These trends are reflected in the value per unit weight figures, which show a gradual climb from £0.56/kg in 1979 to £0.67/kg in 1983, increasing more rapidly each year to £1.15/kg in 1986, and then dropping to £1.09/kg in 1988 before rising to £1.38/kg in 1990.

2.2 Irish Sea (ICES Division VIIa) [Figures 2-7 and Tables 2(a), 2(b) and 7(a)].

Landings from the Irish Sea during 1979-90 were made at 48 ports in England and Wales, from Maryport in Cumbria to North Shields on the north-east coast, although only about ten of these ports regularly received more than 100 t of demersal fish from the Irish Sea per year. Just three ports (Fleetwood, Whitehaven and Milford Haven) received about 80% of the demersal landings by weight, and 77% by value, and three ports in north Wales (Holyhead, Anglesey and Conwy) plus the Mersey Estuary, accounted for another 11% by weight and 13% by value. Since 1987, landings from VIIa increased at Maryport, Newlyn and Brixham.

The top port throughout the twelve-year period was Fleetwood, which received about half of the UK demersal catch from VIIa. Landings increased to 5.4 kt in 1982, but then dropped to about 4 kt per year during 1983-90, due mainly to a decline in cod landings in 1983-86 and 1990. Whitehaven was the second most important port up to 1984, and continued to account for about 14-18% of the Irish Sea total until 1987 before dropping to 7% in 1990. High whiting landings to Whitehaven in 1983-85 replaced a declining cod fishery, but by 1988 the total demersal landings had dropped to less than 1 kt for the first time in the twelve-year period. Holyhead took over as the second port from 1985 onwards, due to the growth of the spurdog fishery, and in 1986 it accounted for more than 30% of the total demersal landings from VIIa. Milford Haven took about 14% of the total landings from 1979 to 1982, with a peak of 1.3 kt in 1982, then dropped to 0.3 kt (4%) in 1986 before recovering to 0.9 kt (11%) in 1990. The trends at this port generally followed the levels of cod and ray landings, though the large increase in spurdog landings in 1988 also helped to increase the total landings there.

The weight and value of demersal fish landings from the Irish Sea generally increased throughout the period 1979 to 1987, from 5.9 kt to 12.8 kt and £2.8M to £10.6M, before dropping back to 8.4 kt (£8.7M) by 1990. The trends in value generally followed those of weight landed, although increases in the proportion of the more valuable species at some ports raised the unit value in their totals. For example, at Fleetwood in 1985-86, there was a drop in the total weight landed from 4.5 kt to 3.7 kt, but the proportion of sole in these landings increased from 2% to 7%, which helped to increase the total value by 40% and the overall unit value by 70%.

The Irish Sea is notable for the consistency of the major species which are recorded in catches. While up to 30 demersal species were recorded as landed each year, the same six species (plaice, sole, cod, rays, spurdog and whiting) featured as the most important group throughout the twelve-year period, both in weight and value. Together, these species accounted for about 85% of the total demersal landings from this area, the top four species generally accounting for about 75% of the total. Plaice and cod were most consistently the top two species by weight, except in the period 1983-88, when spurdog took the top position. Between 1980 and 1988, spurdog was of increasing economic importance in the VIIa fishery. Tagging experiments have shown a migration of spurdog north from the Celtic Sea to Scotland during the summer (Vince, 1991), and the development of a local longline summer fishery in the early 1980s off Anglesey led to the large increase in spurdog landings. This fishery declined after 1987, contributing to a decrease in overall demersal landings from VIIa during 1988-90. Although sole remained in sixth position by weight throughout 1979-90, its high unit value placed it in the top three species by value during 1979-81 and 1986-90, while cod and plaice were also usually among the top three species by value. After the peak landings of 1987, cod was the only major species to increase in both weight and value up to 1989.

2.3. Western Approaches (ICES Divisions VIIe-h) [Figures 8-13]

The total UK demersal landings in England and Wales from the Western Approaches increased steadily from 11.7 kt in 1979 to 20.6 kt in 1983, then declined over the next two years before recovering to 22.2 kt in 1990. Their value increased each year from £7.1M in 1979 to £33.5M in 1990, with the biggest increases taking place in 1986, 1987 and 1990. Thus, over the twelve-year period, the weight of demersal landings from VIIe-h doubled, while their value increased nearly five-fold. This is reflected in the unit value figures, which increased from £0.61/kg in 1979 to £1.51/kg in 1990, a rise of 147% compared to 120% for VIIa landings.

The anglerfish has been the most important species by weight for the whole period since 1979, with plaice and rays being second and third in importance since 1983/84. Other important species by weight were ling, sole and whiting. The top six species from Divisions VIIe-h together accounted for about 60-65% of the total demersal landings, compared to 85% for the top six species from VIIa. Sole and anglerfish were the most important species by value from VIIe-h throughout the twelve-year period, with lemon sole, plaice and hake also featuring amongst the most valuable species.

Following the introduction of the 200-mile European Community (EC) fishing limit in 1977, some Spanish vessel owners either re-registered their vessels in the UK or bought UK-registered vessels so that they could continue fishing in ICES Area VII. The vessels involved often landed their catch at UK ports to sell direct to the Spanish markets, which led to an increase in the UK landings from Divisions VIIg and VIIh, especially in 1980-82 (Table 1).

2.3.1. ICES Division VIIe [Tables 3(a), 3(b) and 7(b)]

The trends in VIIe-h are largely influenced by the pattern of landings in VIIe, which accounts for more than half of the total demersal catch from the Western Approaches. The weight of demersal landings from Division VIIe increased from 8.3 kt in 1979 to 14.7 kt in 1983, then dropped over the next three years before recovering somewhat to 12.4 kt in 1990. However, the value increased nearly every year, from £5.4M in 1979 to £17.8M in 1990, and the unit value more than doubled over the twelve-year period, from £0.65/kg in 1979 to £1.43/kg in 1990.

Demersal fish caught in VIIe during 1979-90 were landed at up to 54 ports around the English and Welsh coasts, from Fleetwood to Blyth, although only about 8 to 10 of these ports received more than 100 t per year. Most fish from VIIe were landed in the southwest; Brixham took 35-40% by weight and 40-50% by value of the total (VIIe) catch during 1979-90, and Newlyn took another 20-25% by weight and value. Other important south coast ports included Plymouth and Looe (each received about 10% of the total weight and value), and Falmouth and Mevagissey (about 5-8% each).

Up to 34 demersal species were landed each year from VIIe during 1979-90, although some were recorded in very small quantities (e.g. one tonne each of salmon and sea trout worth about £3000 in 1979). Throughout the period 1979-90, the top six species accounted for about 60-65% of the total demersal landings by weight and 70-75% by value. The most important species by weight during the first ten years was anglerfish, although the amount landed varied considerably from year to year, with a maximum of 4.1 kt in 1983 (28% of the total demersal landings) and a minimum of 1.2 kt in 1986 (12% of the total). This was the top species at all of the major ports from 1979 until 1984, with particularly high landings being made at Brixham in 1982-84 and at Newlyn in 1983-84. Landings of anglerfish began to decline after 1983, although the increase in value per unit weight maintained their high value, and species such as plaice, whiting, pollack and lemon sole began to comprise an increasing share of the fisheries. Landings of plaice, which was not among the top six species by weight in 1979-80, increased steadily over the whole of the twelve-year period, and this had become the most important species by 1989-90, with more than 1 kt per year going to Brixham alone. Sole landings, which were high in the early 1980s, followed the decline of the anglerfish fishery, the main sole landings being to Brixham (about 0.5 kt per year). Whiting were landed mainly to Brixham and Looe, with pollack and ling to Newlyn, and lemon sole landings were consistently high at all of the main ports. An increase in beam trawling effort in the English Channel led to an increase in the proportion of the more valuable species (anglerfish, sole and lemon sole) in the early 1980s, which may have caused an over-exploitation of some species, especially anglerfish (decreasing from 4.1 kt in 1983 to 1.3 kt in 1990) and sole (decreasing from 1.0 kt in 1983 to 0.6 kt in 1990). However, sole and anglerfish remained the top species by value throughout the twelve-year period, accounting for up to 50% of the total value of the demersal landings, with lemon sole and whiting together providing another 15%. Other valuable species in VIIe included plaice, hake, turbot and pollack.

2.3.2. ICES Division VIIIf [Tables 4(a), 4(b) and 7(c)]

Division VIIIf is the second most important ICES Division for the UK fishery in the Western Approaches, and demersal landings increased from 2 kt in 1979 to 5.4 kt in 1987, before dropping back to 4 kt in 1990. The value of these landings increased each year from £1.1M in 1979 to £7.2M in 1987, but then dropped to £6M in 1990. The unit value of the VIIIf fishery increased each year from about £0.54/kg in 1979/1981 to £1.5/kg in 1990. A dip in unit value in 1988 was probably caused by replacement in the landings of valuable species such as anglerfish and sole with less valuable species such as cod, pollack and plaice.

Landings from VIIIf during 1979-90 were made to up to 36 ports, from Fleetwood to Brighton. The number of ports used each year more than doubled during the twelve years, from 11 in 1979 to 27 in 1990, although no more than eight ports received over 100 t of demersal fish from the Division in any one year. Most demersal fish from VIIIf were landed to ports on the coasts of south Wales and Cornwall. Newlyn received the major share of the landings throughout the

period, with about 50-60% of the catch by weight and value, increasing from 0.9 kt (£0.5M) in 1979 to 3.7 kt (£5M) in 1987, before decreasing to 2 kt (£3.5M) in 1990. Milford Haven was the second most important port in 1979-81, but landings there dropped over the next three years and Padstow took over as the second port in 1982, a position which it retained despite a recovery in landings at Milford Haven during 1985-88. Other important ports for the VIIIf fishery were Swansea (but decreasingly so since 1985), Brixham, St Ives, and Bideford (in 1989 and 90).

About 32 species of demersal fish were landed in England and Wales from VIIIf during 1979-90. The top six species during 1979-90 accounted for up to 60% of the total demersal landings by weight and over 70% by value. From 1979 to 1984, the top three species (spurdog, rays and anglerfish) accounted for nearly half of the total demersal landings, but in 1985-86 the fishery changed, with spurdog and anglerfish being displaced by hake, pollack, sole and plaice. The most important species by weight in 1979-80 were the rays, but large quantities of spurdog were also landed at Newlyn during 1981-84 and at Padstow during 1983-84, taking this species into top position. The spurdog fishery declined after 1984, and rays were the top species from 1985 to 1990, being landed mainly at Newlyn and Milford Haven. By 1987, anglerfish had moved up to second in importance, where they remained until 1990. Hake and pollack landings increased dramatically at Newlyn between 1979 and 1988, from 21 kt to 440 kt and 12 kt to 367 kt respectively, while landings of most other main demersal species doubled or trebled in weight during the same period. Throughout the period, the most valuable species was the sole, accounting for about 25% of the total demersal landings' value, except in 1981/82, when the large spurdog landings raised their value above that of sole.

2.3.3. ICES Division VIIg [Tables 5(a), 5(b) and 7(d)]

Division VIIg is the least important ICES Division for the UK demersal fishery in the Western Approaches, with only a few species providing landings of more than 100 t per year. Nevertheless, over the twelve-year period, both the weight and value of landings from this Division increased, from 0.4 kt (£0.2M) to 1.3 kt (£0.8M) over the first three years, then dropped sharply in 1982/83 before recovering to 1.7 kt (£2.7M) in 1990. The overall unit value for VIIg increased from £0.51/kg in 1979 to £1.56/kg in 1990.

Demersal fish caught in VIIg during 1979-90 were landed in up to 21 ports ranging from Lune Estuary to Hull, although only two or three ports received more than 100 t per year from this Division. In the early years (1979-80), virtually all of the landings from VIIg were made to Milford Haven and Newlyn, with Falmouth being a major port for this area only in 1981. Subsequently, ports such as Brixham, Padstow and Fleetwood began to take an increasing share of this fishery. By 1989-90, the main ports for VIIg were Newlyn (52% by weight and 59% by value), Milford Haven, Padstow and Fleetwood.

The demersal fishery in VIIg is quite mixed and, throughout the twelve years under review, only rays, cod and hake occurred consistently in the top six species by weight, and sole and hake by value. The most important species by weight in the first two years were spurdog and rays, which then declined as hake, whiting, cod and anglerfish became predominant during 1981-82, being landed mainly at Newlyn and Milford Haven. More recently, the largest landings were of hake, rays, anglerfish and cod, with spurdog recovering after 1987. The top species for value between 1981-1990 were sole, hake and anglerfish, which between them accounted for about 60% of the total value of the demersal fisheries from VIIg.

2.3.4. ICES Division VIIIh [Tables 6(a), 6(b) and 7(e)]

The landings pattern from VIIIh has been similar to that from VIIg, with an overall increase in weight and value landed between 1979 and 1990, except for a sharp drop in 1983. Landings rose from 0.9 kt (£0.4M) in 1979 to 4.1 kt (£7.0M) in 1990. The overall unit value for VIIIh increased from £0.48/kg in 1979 to £1.71/kg in 1990.

Demersal fish landings from VIIIh during 1979-90 were made at up to 14 ports, from Fleetwood to Hartlepool, although in 1979-80 the entire catch was landed at Newlyn. Landings to Brixham began in 1981, to Plymouth and Falmouth in 1982, to Penzance in 1983 and subsequently to other ports, but in 1990 Newlyn was still the major port for this Division, taking 88% of the total catch by weight and value.

Up to 30 commercial demersal species were recorded as being caught in VIIIh during 1979-90, the most important of these being anglerfish, megrims, ling and rays. Ling accounted for nearly half of the demersal landings in 1979 and remained the top species by weight until 1983/84, since when the increasing landings of anglerfish made this the most important species, comprising a third of the total landings by both weight and value in 1989-90. Other species landed in quantity in VIIIh were plaice, sole and lemon sole and, from the value viewpoint, anglerfish, megrims and sole were the most important species for most of the twelve-year period.

3. CONCLUSIONS

The Irish Sea and Western Approaches account for a large variety of demersal fish species, caught by a number of different fishing methods and landed at many ports in England and Wales. This report illustrates the complexity of the fisheries in these areas, which should be considered when planning and evaluating the effects of management measures. The Irish Sea (ICES Division VIIa) is a fairly homogeneous sea area, where the same few demersal species predominate in the landings by UK fishermen from year to year. Of these, cod, whiting, plaice and sole are assessed by ICES working groups. The top six species in VIIa account for a much larger proportion of the total demersal catch than from any other Division under consideration, both in weight and value. The Western Approaches (ICES Divisions VIIe-h) is a much more mixed fishery area, with up to 18 different species appearing in the 'top six' demersal species during the twelve-year period under discussion. Only 2 of these species (plaice and sole) are assessed analytically in VIIe, cod, plaice and sole in VIIf+g, and none in VIIIh. Because of the mixed nature of these fisheries, it is likely that management based on multispecies assessments and a knowledge of the interactions between exploiting fleets will be most effective in their long-term regulation, and ICES has recently restructured its working groups so as to provide more comprehensive advice along these lines.

4. REFERENCES

- ELSON, J.M., ROGERS, S.I., SYMONDS, D.J. AND FLATMAN S., 1989. Revision and analysis of anglerfish (*Lophius spp.*) landing statistics for England and Wales. Fish. Res. Tech. Rep., MAFF Direct. Fish. Res., Lowestoft, (89): 1-10.
- VINCE, M.R., 1991. Stock identity in spurdog (*Squalus acanthias* L.) around the British Isles. Fish. Res., 12: 341-354.
- WHEELER, A., 1969. 'The Fishes of the British Isles and North-West Europe.' Macmillan and Co., London.

Table 1. Total demersal landings by weight and value by UK vessels in English and Welsh ports, and total International demersal landings, from ICES Divisions VIIa and e-h.

Division	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total International landings, tonnes												
VIIa	33102	39677	53408	51142	41374	44486	56752	46572	54576	51654*	28504**	-
VIIe	41401	34435	34549	38252	45244	30846	26345	35920	37470	38892*	12331**	-
VIIIf	12870	18688	19744	19434	16665	11524	9378	12443	12505	15525*	7650**	-
VIIg-k	55175	65368	74951	66883	70987	72727	82853	80103	84688	89029*	9092**	-
UK landings, tonnes												
VIIa	5918	7842	8690	9480	7756	9173	10199	9154	12819	11224	10940	8376
VIIe	8328	9674	10650	11009	14682	12200	10527	10133	11373	12738	11510	12449
VIIIf	1953	3019	4114	4281	4267	4244	3483	4317	5355	4992	4471	3989
VIIg	433	500	1281	865	810	891	909	894	1057	1377	1254	1704
VIIh	939	1256	1998	2216	862	1538	2138	1910	2660	4160	3377	4093
VIIe-h	11653	14449	18043	18371	20621	18873	17057	17254	20445	23267	20612	22235
Total	17571	22291	26733	27851	28377	28046	27256	26408	33264	34491	31552	30611
Value of UK landings, £'000												
VIIa	2773	3555	4003	4434	3647	4246	5344	7525	10602	9179	10384	8661
VIIe	5397	6328	7480	8185	11193	10453	11041	13652	14151	15377	15502	17826
VIIIf	1079	1612	2218	2557	2838	3016	3197	4986	7240	5848	5626	5973
VIIg	222	263	815	571	694	701	911	1106	1352	1634	1658	2665
VIIh	449	691	1229	1456	675	1460	2351	3098	4257	5665	5454	7007
VIIe-h	7147	8894	11742	12769	15400	15630	17500	22842	27000	28524	28240	33471
Total	9920	12449	15745	17203	19047	19876	22844	30367	37602	37703	38624	42132
Value per unit weight of UK landings, £/kg												
VIIa	0.47	0.45	0.46	0.47	0.47	0.46	0.52	0.82	0.83	0.82	0.95	1.03
VIIe	0.65	0.65	0.70	0.74	0.76	0.86	1.05	1.35	1.24	1.21	1.35	1.43
VIIIf	0.55	0.53	0.54	0.60	0.67	0.71	0.92	1.15	1.35	1.17	1.26	1.50
VIIg	0.51	0.53	0.64	0.66	0.86	0.79	1.00	1.24	1.28	1.19	1.32	1.56
VIIh	0.48	0.55	0.62	0.66	0.78	0.95	1.10	1.62	1.60	1.36	1.62	1.71
VIIe-h	0.61	0.62	0.65	0.70	0.75	0.83	1.03	1.32	1.32	1.23	1.37	1.51
Total	0.56	0.56	0.59	0.62	0.67	0.71	0.84	1.15	1.13	1.09	1.22	1.38

* ex- Netherlands

** ex- France, Ireland, Spain

Table 2a. Demersal fish landings by UK vessels in England and Wales from ICES Division VIIa

Species	1979		1980		1981		1982		1983		1984	
	Catch	Value	Catch	Value	Catch	Value	Catch	Value	Catch	Value	Catch	Value
	t	£'000	t	£'000	t	£'000	t	£'000	t	£'000	t	£'000
Anglerfish	86	38	106	44	147	64	188	83	135	68	137	78
Bass	0	0	2	4	4	10	9	22	10	28	8	25
Brill	48	33	58	47	44	47	38	39	42	47	53	61
Cod	974	458	1913	799	2700	1161	2532	1284	1399	766	1202	733
Conger eel	25	8	26	7	24	6	34	10	23	7	24	7
Dab	63	9	84	11	55	8	34	5	26	5	20	4
Dogfish	10	1	6	1	4	0	4	0	5	0	4	1
Flounder	124	22	148	27	116	23	185	34	163	36	158	39
Grey mullet	2	1	3	2	8	5	8	5	14	11	9	7
Gumards	77	10	104	16	133	24	185	33	85	18	113	23
Haddock	16	7	33	13	45	18	37	15	14	6	27	11
Hake	64	83	58	68	87	87	93	96	63	78	52	72
John dory	0	0	0	0	0	0	0	0	0	0	0	0
Lemon sole	7	4	16	9	22	13	21	11	14	7	17	9
Ling	20	8	19	7	17	5	17	6	12	5	12	4
Megrims	2	1	3	1	3	1	2	1	2	0	2	1
Plaice	1807	765	2135	840	2112	844	1861	858	1662	761	2289	1064
Pollack	62	35	47	24	43	21	58	30	42	23	48	27
Pout whiting	74	13	88	12	44	7	42	7	32	6	40	8
Rays	882	416	1050	467	972	456	1181	612	1040	515	949	441
Saithe	40	13	66	18	85	22	163	45	59	14	77	19
Sand sole	2	3	2	2	2	3	1	2	1	2	1	2
Sole	258	512	364	771	307	738	275	546	219	465	229	476
Spurdog	355	116	403	117	798	229	1219	408	1454	485	2449	816
Torsk	7	2	0	0	0	0	0	0	0	0	0	0
Turbot	23	40	21	39	19	43	18	42	15	33	17	41
Whiting	839	155	999	171	816	131	1172	193	1195	245	1203	260
Witch	0	0	1	0	0	0	0	0	0	0	1	0
Mixed demersal	51	20	87	38	83	37	103	47	30	16	32	17
Total demersal	5918	2773	7842	3555	8690	4003	9480	4434	7756	3647	9173	4246

Species	1985		1986		1987		1988		1989		1990	
	Catch	Value	Catch	Value	Catch	Value	Catch	Value	Catch	Value	Catch	Value
	t	£'000	t	£'000	t	£'000	t	£'000	t	£'000	t	£'000
Anglerfish	120	88	79	93	103	142	179	211	273	368	139	215
Bass	3	12	5	21	9	57	15	82	8	54	9	58
Brill	99	128	95	203	106	292	47	160	54	199	56	182
Cod	1200	844	847	753	1924	1582	2469	2079	2842	2708	1374	1722
Conger eel	24	7	19	8	32	11	43	14	59	18	81	30
Dab	38	7	45	10	60	14	52	11	45	11	49	12
Dogfishes	6	1	7	1	23	3	42	25	38	15	50	25
Flounder	101	25	128	33	180	43	119	26	69	14	81	17
Grey mullet	2	2	3	3	3	3	5	5	6	6	4	4
Gumards	114	23	69	20	93	25	89	22	130	34	112	26
Haddock	29	22	22	20	40	32	70	64	65	60	26	33
Hake	72	115	54	88	161	288	157	273	272	510	178	404
John dory	0	0	0	0	1	1	2	3	2	4	1	1
Lemon sole	21	19	24	28	32	34	36	46	41	54	21	31
Ling	13	6	11	6	19	10	49	24	108	56	62	45
Megrims	2	1	3	5	19	23	41	67	24	30	11	21
Plaice	2293	1103	1775	991	2365	1563	1583	964	2187	1251	1697	1262
Pollack	39	27	34	28	46	39	77	64	129	108	109	115
Pout whiting	36	8	23	6	46	12	33	10	46	14	46	18
Rays	932	429	818	457	1356	756	1279	788	1240	816	1223	863
Saithe	113	33	54	19	47	19	94	39	183	70	44	24
Sand sole	1	2	0	0	2	4	1	2	1	2	1	1
Sole	266	623	637	2534	599	2858	501	1891	546	2316	506	1938
Spurdog	3228	1386	3311	1805	3919	2026	3023	1744	1325	989	1200	882
Torsk	0	0	0	0	0	0	0	0	0	0	0	0
Turbot	28	71	29	105	55	238	36	156	44	223	29	156
Whiting	1379	340	1004	266	1530	496	1105	362	1151	421	1226	542
Witch	1	1	1	0	3	1	11	7	2	1	2	1
Mixed demersal	39	21	57	22	46	30	66	40	50	32	39	33
Total demersal	10199	5344	9154	7525	12819	10602	11224	9179	10940	10384	8376	8661

Table 2b. Landings in English and Welsh ports of demersal fish caught by UK vessels in ICES Division VIIa

Port	1979		1980		1981		1982		1983		1984	
	Catch	Value	Catch	Value	Catch	Value	Catch	Value	Catch	Value	Catch	Value
	t	£'000	t	£'000	t	£'000	t	£'000	t	£'000	t	£'000
Maryport	11	4	14	5	13	5	36	21	23	15	44	24
Workington	40	16	34	13	40	17	75	41	57	32	65	36
Whitehaven	1258	455	1176	390	1311	410	1287	441	1538	585	1396	506
Duddon Estuary	21	9	24	9	25	10	25	15	20	12	19	12
Barrow-in-Furness	16	7	56	25	40	18	25	14	16	7	13	6
Coast Road	10	4	9	3	10	4	9	4	8	3	8	4
Flookburgh	14	4	32	9	24	7	23	7	24	8	21	7
Kent Estuary	5	2	8	2	6	2	8	3	7	2	7	2
Hest Bank	2	1	1	0	1	0	0	0	0	0	0	0
Morecambe	31	16	29	14	9	3	6	3	114	141	11	6
Lune Estuary	15	7	57	18	138	61	154	74	155	70	0	0
Fleetwood	2906	1482	4060	1801	5012	2180	5348	2394	3675	1655	4219	2055
Lytham St Anne's	2	1	8	5	5	3	8	8	9	11	0	0
Southport	1	0	3	1	16	8	11	4	8	3	0	0
Liverpool	0	0	0	0	0	0	0	0	0	0	0	0
Mersey Estuary	37	15	81	34	103	89	260	303	332	197	117	156
Hoylake	32	15	51	20	54	26	69	29	56	19	3	1
Connah's Quay	44	10	29	7	37	10	96	23	69	23	93	35
Conwy	292	111	484	175	216	75	230	100	142	61	102	46
Bangor	194	80	270	113	138	49	141	52	134	79	233	81
Anglesey	0	0	0	0	0	0	1	0	99	41	872	310
Cemaes Bay	0	0	0	0	0	0	0	0	0	0	0	0
Holyhead	23	24	187	288	293	356	138	53	261	99	886	348
Caernarvon	8	2	53	20	126	51	131	67	165	80	180	78
Pwllheli	0	0	49	9	14	4	17	7	5	2	0	0
Portmadoc	0	0	8	4	13	5	5	1	16	6	0	0
Barmouth	1	1	46	26	15	7	16	6	10	6	4	4
Aberdovey	0	0	0	1	0	1	0	0	2	2	2	3
Aberystwyth	0	0	15	8	0	0	0	0	6	6	6	6
Aberaeron	0	0	0	0	0	0	0	0	4	1	7	3
New Quay	2	1	8	5	8	11	11	21	24	24	19	16
Fishguard	0	0	1	0	0	0	0	0	52	15	30	15
Milford Haven	941	496	1003	503	981	538	1316	713	716	428	777	433
Swansea	0	0	0	0	0	0	0	0	0	0	0	0
Padstow	0	0	0	0	0	0	0	0	0	0	6	7
St Ives	0	0	0	0	0	0	0	0	0	0	0	0
Newlyn	5	3	1	0	0	0	14	7	0	0	8	13
Penzance	0	0	0	0	0	0	0	0	0	0	0	0
Falmouth	0	0	0	0	0	0	0	0	0	0	0	0
Polperro	0	0	0	0	0	0	0	0	0	0	0	0
Plymouth	7	7	0	0	0	0	0	0	0	0	0	0
Kingswear	0	0	0	0	0	0	0	0	0	0	0	0
Brixham	0	0	31	32	37	46	20	23	9	14	25	33
Exmouth	0	0	0	0	0	0	0	0	0	0	0	0
Portsmouth	0	0	14	15	5	7	0	0	0	0	0	0
Grimsby	0	0	0	0	0	0	0	0	0	0	0	0
Bridlington	0	0	0	0	0	0	0	0	0	0	0	0
N Shields	0	0	0	0	0	0	0	0	0	0	0	0
Total demersal	5918	2773	7842	3555	8690	4003	9480	4434	7756	3647	9173	4246

Table 2b. Continued

Port	1985		1986		1987		1988		1989		1990	
	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000
Maryport	25	12	50	45	269	246	234	172	395	307	186	155
Workington	37	19	58	42	83	75	19	13	27	21	12	10
Whitehaven	1472	589	1148	719	1917	1352	888	558	1261	934	557	449
Duddon Estuary	12	6	13	11	5	5	0	0	0	0	0	0
Barrow-in-Furness	4	2	7	5	11	7	13	23	20	31	8	6
Coast Road	4	2	7	3	5	2	3	1	4	1	3	1
Flookburgh	16	5	16	6	16	6	13	5	8	3	7	3
Kent Estuary	6	2	4	2	2	1	2	1	0	0	0	0
Hest Bank	0	0	0	0	0	0	0	0	0	0	0	0
Morecambe	22	10	10	13	23	51	13	33	5	9	2	4
Lune Estuary	41	34	54	138	60	140	15	17	19	17	3	3
Fleetwood	4473	2320	3682	3251	4916	4405	4658	4167	4603	4398	3885	3953
Lytham St Anne's	9	2	10	5	17	10	0	0	0	0	7	8
Southport	0	0	0	0	0	0	0	1	2	3	0	0
Liverpool	0	0	0	0	0	0	16	15	0	0	39	37
Mersey Estuary	267	368	306	724	249	660	116	186	197	327	247	367
Hoylake	5	2	22	14	48	37	35	23	40	23	38	37
Connah's Quay	48	20	82	28	68	27	29	12	0	0	20	14
Conwy	240	107	208	95	234	146	231	172	185	132	173	125
Bangor	236	94	76	44	210	147	38	44	84	71	77	61
Anglesey	3	2	5	2	6	3	1	7	0	0	0	0
Cemaes Bay	0	0	0	0	0	0	0	0	2	2	0	0
Holyhead	2274	1135	2901	1832	3653	2139	2673	1555	1698	1456	1401	1251
Caernarvon	99	44	92	49	180	111	243	208	288	278	260	258
Pwllheli	5	2	1	1	0	0	44	13	24	13	34	18
Portmadoc	0	0	0	0	0	0	12	2	0	0	0	0
Barmouth	2	1	2	1	19	9	1	1	3	5	1	1
Aberdovey	0	1	1	2	0	1	1	4	1	3	6	30
Aberystwyth	3	2	1	1	1	1	2	3	0	1	3	11
Aberaeron	0	0	2	1	7	3	0	0	0	0	0	0
New Quay	16	7	3	3	5	5	2	3	4	3	1	2
Fishguard	0	0	0	0	0	0	3	3	3	3	0	0
Milford Haven	842	516	346	355	588	618	1296	1151	1057	1017	885	901
Swansea	6	4	0	0	0	0	0	0	0	0	0	0
Padstow	12	8	5	15	8	18	15	24	163	156	123	150
St Ives	0	0	0	0	0	0	2	3	0	0	0	0
Newlyn	5	7	8	16	178	263	505	558	696	909	228	450
Penzance	1	1	0	0	0	0	1	2	4	8	5	11
Falmouth	0	0	0	0	0	0	4	5	0	0	0	0
Polperro	0	0	0	0	0	0	0	0	1	1	0	0
Plymouth	0	0	0	0	6	14	13	19	22	35	4	4
Kingswear	0	0	0	0	0	0	3	4	0	0	0	0
Brixham	14	20	34	102	25	71	79	169	118	205	144	313
Exmouth	0	0	0	0	0	0	0	0	0	0	3	9
Portsmouth	0	0	0	0	8	26	1	2	5	11	3	6
Grimsby	0	0	0	0	2	3	0	0	0	0	0	0
Bridlington	0	0	0	0	0	0	0	0	1	1	0	0
N Shields	0	0	0	0	0	0	0	0	0	0	11	13
Total demersal	10199	5344	9154	7525	12819	10602	11224	9179	10940	10384	8376	8661

Table 3a. Demersal fish landings by UK vessels in England and Wales from ICES Division VIIe

Species	1979		1980		1981		1982		1983		1984	
	Catch	Value	Catch	Value	Catch	Value	Catch	Value	Catch	Value	Catch	Value
	t	£'000	t	£'000	t	£'000	t	£'000	t	£'000	t	£'000
Anglerfish	1740	722	2528	1045	2300	1270	2339	1383	4092	2633	3428	2671
Bass	37	69	37	87	42	97	42	107	103	268	39	142
Breams	14	12	6	6	3	3	2	2	5	7	2	3
Brill	114	143	108	159	116	209	131	230	162	322	147	318
Cod	134	72	200	101	212	111	255	136	290	171	232	149
Conger eel	273	100	227	73	225	77	161	57	221	76	147	51
Dab	199	49	222	48	241	53	246	56	232	55	252	62
Dogfish	20	3	20	4	21	8	43	12	37	14	37	13
Flounder	81	7	52	7	40	5	53	8	59	6	35	6
Grey mullet	12	9	9	7	20	13	23	16	22	16	10	9
Gurnards	346	53	374	61	411	69	376	70	507	85	402	85
Haddock	50	27	59	29	109	44	57	32	41	26	26	17
Hake	96	84	202	145	277	238	306	328	405	400	238	265
John dory	49	52	33	50	41	53	43	63	50	76	44	87
Lemon sole	696	646	824	830	595	724	776	856	1238	1325	1052	1300
Ling	575	198	569	159	685	179	733	243	943	326	623	184
Megrim	126	62	164	96	232	131	212	143	340	272	266	223
Plaice	508	311	602	349	944	503	1102	585	1194	761	1136	710
Pollack	559	210	598	203	462	175	473	200	659	277	589	266
Pout whiting	374	72	424	72	542	81	604	94	669	113	610	126
Rays	388	182	384	182	424	203	432	197	607	263	625	227
Red mullet	31	61	20	45	19	48	15	41	49	77	52	116
Saithe	17	5	27	8	20	6	36	11	72	22	33	11
Salmon	1	3	0	0	0	0	0	0	0	0	0	0
Sandeels	0	0	0	0	0	0	0	0	0	0	0	0
Sand sole	0	0	4	6	4	6	5	7	7	9	4	7
Sea trout	1	3	0	1	0	0	0	1	0	0	0	0
Sole	661	1639	761	1950	781	2325	1010	2595	1025	2642	878	2506
Spurdog	118	36	150	47	159	52	185	69	290	131	229	109
Turbot	100	248	91	227	83	217	98	264	142	423	123	424
Whiting	768	230	716	206	1015	239	1051	270	1012	291	723	252
Witch	0	1	0	0	0	0	0	0	1	0	1	0
Mixed demersal	240	88	263	125	627	341	200	109	208	106	216	114
Total demersal	8328	5397	9674	6328	10650	7480	11009	8185	14682	11193	12199	10453

Species	1985		1986		1987		1988		1989		1990	
	Catch	Value	Catch	Value	Catch	Value	Catch	Value	Catch	Value	Catch	Value
	t	£'000	t	£'000	t	£'000	t	£'000	t	£'000	t	£'000
Anglerfish	2155	2183	1219	1809	1280	2097	1781	2505	2107	3282	1325	2436
Bass	19	89	21	127	16	109	26	174	39	304	89	677
Breams	2	2	5	8	7	13	11	12	3	5	2	6
Brill	146	349	118	446	106	453	113	498	97	446	141	640
Cod	235	181	288	320	509	403	838	651	723	645	609	719
Conger eel	130	45	112	49	125	54	156	77	177	108	235	183
Dab	226	61	274	76	251	72	313	82	188	57	122	40
Dogfish	51	10	45	12	63	15	88	26	52	19	58	30
Flounder	55	7	75	12	71	11	93	14	85	15	62	11
Grey muffed	7	7	6	7	7	7	7	9	10	12	10	11
Gurnards	446	93	280	73	488	111	503	110	370	88	320	77
Haddock	25	19	20	19	41	25	102	61	71	62	22	27
Hake	229	288	418	540	342	499	322	513	348	735	449	1025
John dory	26	76	35	79	70	123	90	193	114	260	106	296
Lemon sole	1208	1740	934	1998	809	1883	803	1849	703	1881	859	2119
Ling	553	210	580	256	976	545	719	343	615	304	721	444
Megrim	322	266	204	261	262	288	371	410	289	439	289	529
Plaice	1110	721	1379	918	1411	1090	1644	1156	1709	1138	1878	1585
Pollack	601	330	913	621	1173	789	755	461	609	447	1007	824
Pout whiting	608	145	607	151	541	141	707	173	632	172	775	276
Rays	609	241	516	282	564	301	607	314	508	294	711	469
Red mullet	53	160	46	204	36	177	49	192	46	219	86	206
Saithe	34	13	57	20	55	25	83	31	84	37	101	50
Salmon	0	0	0	0	0	0	0	0	0	0	0	0
Sandeels	0	0	0	0	0	0	0	0	1	3	1	3
Sand sole	6	9	5	11	9	21	8	20	5	14	4	11
Sea trout	0	0	0	0	0	0	0	0	0	0	0	0
Sole	894	3040	828	4351	627	3616	779	4009	610	3295	630	3330
Spurdog	95	29	171	93	322	144	196	87	129	71	161	112
Turbot	120	466	109	573	99	595	121	714	86	590	109	810
Whiting	416	166	626	244	752	330	1179	480	924	437	1388	746
Witch	0	0	0	0	1	0	3	2	3	2	15	13
Mixed demersal	146	95	142	92	360	214	271	213	173	121	164	121
Total demersal	10527	11041	10033	13652##	11373	14151	12738	15379	11510	15502	12449	17826

Table 3b. Landings in English and Welsh ports of demersal fish caught by UK vessels in ICES Division VIIe

Port	1979		1980		1981		1982		1983		1984	
	Catch	Value	Catch	Value	Catch	Value	Catch	Value	Catch	Value	Catch	Value
	t	£'000	t	£'000	t	£'000	t	£'000	t	£'000	t	£'000
Fleetwood	0	0	0	0	0	0	0	0	0	0	0	0
Mersey Estuary	0	0	0	0	0	0	0	0	0	0	0	0
Holyhead	0	0	0	0	0	0	0	0	0	0	0	0
Milford Haven	0	0	0	0	0	0	0	0	0	0	0	0
Swansea	0	0	0	0	0	0	0	0	0	0	0	0
Bideford	0	0	0	0	0	0	0	0	0	0	0	0
Padstow	10	5	0	0	0	0	2	2	1	1	0	0
Newquay	0	0	0	0	0	0	0	0	0	0	2	2
Hayle	0	0	0	0	0	0	0	0	0	0	1	1
St Ives	0	0	0	0	0	0	0	0	0	0	0	0
Scilly Isles	17	13	0	0	7	5	99	45	69	35	108	68
Penberth	0	0	0	0	0	0	0	0	6	14	0	0
Newlyn	1871	1104	2344	1338	2078	1286	1675	1291	3447	2567	2454	2182
Penzance	0	0	0	0	0	0	0	0	67	59	20	18
Porthleven	0	0	0	0	0	0	0	0	0	0	1	1
Mullion	0	0	0	0	0	0	0	0	0	0	0	0
Cadgwith	108	48	4	2	0	0	0	0	7	5	0	0
Coverack	0	0	0	0	0	0	0	0	0	0	0	0
Porthoustock	0	0	0	0	0	0	0	0	0	0	0	0
Helford River	0	0	0	0	0	0	0	0	191	136	0	0
Penryn	0	0	0	0	0	0	0	0	0	0	0	0
Falmouth	601	285	641	264	900	409	1256	675	1023	569	877	526
Flushing	0	0	0	0	0	0	0	0	0	0	0	0
Mevagissey	512	245	677	284	539	232	571	277	673	324	758	376
River Fowey	0	0	0	0	0	0	0	0	1	0	74	28
Polruan	0	0	0	0	0	0	0	0	0	0	0	0
Polperro	125	65	167	86	131	70	94	47	124	82	126	98
Looe	1071	524	1268	597	1050	582	1112	612	1474	930	1372	948
Cawsand	0	0	0	0	0	0	16	9	0	0	0	0
Plymouth	1129	636	1142	661	1168	756	1171	839	1557	1248	1528	1238
Salcombe	2	1	1	1	7	3	11	5	9	7	34	23
Dartmouth	0	0	0	0	0	0	0	0	0	0	0	0
River Dart	0	0	0	0	0	0	0	0	0	0	0	0
Kingswear	0	0	0	0	0	0	0	0	0	0	0	0
Brixham	2768	2374	3203	2868	4145	3684	4711	4074	5700	4912	4508	4656
Torquay	25	10	12	12	44	24	7	2	47	52	44	39
Teignmouth	0	0	0	0	0	0	3	3	1	1	2	0
Exmouth	21	8	16	7	159	72	14	8	9	5	7	6
Beer	0	0	1	1	144	64	0	0	41	28	36	20
Lyme Regis	6	5	0	0	0	0	1	0	37	23	70	29
West Bay	8	6	27	16	26	14	17	11	16	9	32	28
Wyke Regis	0	0	0	0	78	63	79	76	97	107	0	0
Portland	0	0	0	0	0	0	0	0	0	0	0	0
Weymouth	2	2	18	14	39	28	30	17	36	21	75	92
Swanage	0	0	0	0	0	0	0	0	0	0	0	0
Poole	0	0	0	0	0	0	0	0	0	0	0	0
Southampton	0	0	0	0	0	0	0	0	0	0	0	0
Portsmouth	52	66	149	174	135	188	140	192	49	58	71	74
Shoreham	0	0	0	0	0	0	0	0	0	0	0	0
Brighton	0	0	0	0	0	0	0	0	0	0	0	0
Ramsgate	0	0	0	0	0	0	0	0	0	0	0	0
Lowestoft	0	0	4	3	0	0	0	0	0	0	0	0
Grimsby	0	0	0	0	0	0	0	0	0	0	0	0
Blyth	0	0	0	0	0	0	0	0	0	0	0	0
Total demersal	8328	5397	9674	6328	10650	7480	11009	8185	14682	11193	12200	10453

Table 3b. Continued

Port	1985		1986		1987		1988		1989		1990	
	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000
Fleetwood	1	2	2	2	3	4	9	29	16	27	17	39
Mersey Estuary	0	0	4	3	1	1	0	0	8	12	6	17
Holyhead	0	0	0	0	0	0	0	0	0	0	1	1
Milford Haven	32	38	7	9	46	88	9	18	8	13	2	5
Swansea	0	0	0	0	0	0	0	0	4	8	0	0
Bideford	0	0	3	2	0	0	0	0	0	0	0	0
Padstow	13	16	76	125	27	51	11	20	8	12	51	105
Newquay	0	0	0	0	0	0	0	0	0	0	1	1
Hayle	0	0	1	1	1	4	12	12	2	2	2	3
St Ives	0	0	13	8	0	0	0	0	0	0	0	0
Scilly Isles	35	30	63	39	2	3	99	88	130	120	118	102
Penberth	0	0	0	0	0	0	0	0	0	0	0	0
Newlyn	2400	2331	2351	3174	3105	3637	2879	3478	2238	3133	2958	5001
Penzance	85	93	2	4	3	5	10	33	6	11	3	7
Porthleven	0	0	0	0	0	0	0	0	0	0	0	0
Mullion	0	0	0	0	0	0	0	0	1	1	4	6
Cadgwith	0	0	0	0	0	0	0	0	1	2	5	7
Coverack	0	0	4	5	0	0	3	7	5	9	15	28
Porthoustock	0	0	0	0	0	0	0	0	1	3	0	0
Helford River	0	0	0	0	67	86	154	188	135	191	45	58
Penryn	0	0	0	0	0	0	0	0	0	0	6	6
Falmouth	599	425	569	543	769	678	645	531	663	722	748	878
Flushing	0	0	0	0	0	0	0	0	0	0	15	18
Mevagissey	545	328	531	408	591	444	755	594	642	585	688	573
River Fowey	1	0	4	3	4	7	1	2	2	3	9	13
Polruan	0	0	0	0	0	0	0	0	7	7	1	0
Polperro	111	114	61	80	150	203	168	224	146	213	118	173
Looe	1059	999	1132	1242	1250	1301	1456	1388	1296	1582	1453	1710
Cawsand	0	0	0	0	0	0	0	0	0	0	0	0
Plymouth	1129	1206	1148	1550	1176	1586	1509	1846	1030	1360	1203	1720
Salcombe	3	2	1	1	0	0	19	15	0	0	5	7
Dartmouth	0	0	0	0	1	0	19	13	42	33	38	38
River Dart	1	1	37	76	29	35	2	2	0	0	1	1
Kingswear	0	0	0	0	70	75	18	32	20	32	52	43
Brixham	4281	5266	3809	6065	3732	5629	4592	6523	4594	6891	4320	6663
Torquay	6	4	18	20	13	11	15	12	23	22	8	8
Teignmouth	2	2	18	18	29	19	12	7	1	0	28	21
Exmouth	29	25	55	48	47	41	98	72	208	195	232	219
Beer	35	20	35	23	39	31	70	45	12	9	38	34
Lyme Regis	60	23	55	26	49	25	33	31	31	31	37	36
West Bay	11	9	5	5	8	6	23	17	18	17	60	59
Wyke Regis	0	0	0	0	0	0	0	0	0	0	0	0
Portland	0	0	0	0	0	0	0	0	89	98	41	57
Weymouth	65	72	98	108	128	126	83	82	112	138	97	144
Swanage	3	3	0	0	0	0	0	0	0	0	0	0
Poole	1	1	0	0	0	0	2	2	1	1	5	6
Southampton	0	0	6	12	2	5	0	0	0	0	0	0
Portsmouth	19	28	24	50	29	48	25	61	9	18	1	3
Shoreham	0	0	0	0	0	0	0	0	0	0	1	3
Brighton	0	0	0	0	0	0	0	0	1	1	0	0
Ramsgate	1	3	1	2	0	0	0	0	0	0	0	0
Lowestoft	0	0	0	0	0	0	0	0	0	0	0	0
Grimsby	0	0	0	0	2	2	7	5	0	0	0	0
Blyth	0	0	0	0	0	0	0	0	0	0	16	13
Total demersal	10527	11041	10133	13652	11373	14151	12738	15377	11510	15502	12449	17826

Table 4a. Demersal fish landings by UK vessels in England and Wales from ICES Division VIII

Species	1979		1980		1981		1982		1983		1984	
	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000
Anglerfish	205	101	299	142	293	159	433	271	463	331	396	315
Bass	5	12	25	66	40	119	32	93	29	104	19	82
Breams	1	1	2	6	1	2	3	5	1	2	1	3
Brill	17	20	24	31	29	43	25	39	25	42	28	49
Cod	49	26	116	55	182	83	186	97	126	75	206	113
Conger eel	76	28	196	64	149	57	138	50	95	35	72	27
Dab	28	7	36	7	48	9	35	8	38	8	42	10
Dogfish	14	1	29	7	46	12	61	23	48	18	29	10
Flounder	2	0	2	0	5	1	4	1	5	1	6	1
Grey mullet	6	5	7	5	6	4	10	8	14	12	9	9
Gurnards	133	21	152	26	147	22	100	17	77	12	85	18
Haddock	12	6	24	12	11	6	4	3	5	3	5	3
Hake	37	33	118	88	152	136	126	151	144	164	277	318
John dory	14	24	10	20	10	20	21	22	7	14	13	31
Lemon sole	39	30	59	46	53	44	64	52	84	65	90	81
Ling	126	47	205	62	203	57	247	87	227	85	153	44
Megrims	21	10	43	21	48	21	41	21	70	58	43	27
Plaice	155	74	227	93	207	88	182	83	210	122	298	145
Pollack	26	13	57	24	97	42	218	96	205	80	213	92
Pout whiting	60	12	90	15	63	10	84	14	76	12	116	21
Rays	442	224	494	256	508	246	530	271	514	252	558	254
Redfishes	0	0	0	0	0	0	1	1	0	0	0	0
Red mullet	2	4	2	5	1	3	1	3	2	4	2	4
Saithe	1	0	7	2	13	4	28	8	35	11	20	5
Sand sole	3	3	3	3	2	2	1	2	2	2	2	2
Sole	91	196	137	310	160	375	178	417	241	580	307	752
Spurdog	118	32	459	132	1270	465	1373	599	1364	637	1060	442
Turbot	25	55	29	65	28	61	31	71	26	69	38	114
Whiting	124	37	141	35	119	25	83	20	111	29	129	33
Witch	0	0	0	0	0	0	0	0	1	0	0	0
Mixed demersal	121	57	26	14	223	102	41	24	22	11	27	11
Total demersal	1953	1079	3019	1612	4114	2218	4281	2557	4267	2838	4244	3016

Species	1985		1986		1987		1988		1989		1990	
	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000
Anglerfish	315	317	419	582	732	1183	455	629	490	749	371	657
Bass	8	39	6	23	13	85	26	172	53	418	17	150
Breams	1	2	1	1	0	1	0	1	0	1	0	0
Brill	29	64	35	109	52	192	41	147	28	115	20	82
Cod	219	144	176	152	229	199	278	185	312	271	403	483
Conger eel	22	8	24	10	85	39	40	20	85	42	88	46
Dab	63	17	43	11	55	16	44	10	19	5	9	3
Dogfish	39	12	21	14	30	19	87	50	73	41	41	25
Flounder	5	1	2	0	2	1	2	1	4	0	3	0
Grey mullet	11	12	0	0	2	3	3	3	16	18	8	11
Gurnards	88	18	64	16	136	33	60	15	55	13	46	12
Haddock	8	6	9	8	24	15	86	48	103	85	35	48
Hake	337	451	490	820	324	694	490	880	521	1123	305	870
John dory	6	19	11	34	14	35	12	33	13	33	18	68
Lemon sole	86	94	97	145	132	226	118	185	61	114	62	143
Ling	97	39	345	151	581	352	352	182	265	140	208	146
Megrims	86	63	66	61	157	166	83	73	108	181	119	242
Plaice	371	202	278	160	389	269	514	318	382	234	411	369
Pollack	196	114	491	292	388	300	478	325	319	250	188	179
Pout whiting	76	17	74	19	83	23	102	25	47	12	62	23
Rays	649	323	696	434	784	500	759	463	712	450	666	446
Redfishes	0	0	0	0	0	0	0	0	0	0	0	0
Red mullet	2	7	2	9	3	14	3	10	4	19	2	7
Saithe	39	13	51	16	36	18	84	31	79	37	64	33
Sand sole	2	2	4	7	9	15	5	8	2	4	2	3
Sole	317	951	352	1430	377	1995	284	1362	154	770	272	1365
Spurdog	227	91	396	208	443	240	289	153	241	164	222	190
Turbot	40	119	53	224	105	533	82	404	39	209	28	164
Whiting	113	34	81	31	139	59	170	77	239	101	278	159
Witch	1	0	1	1	1	0	3	1	3	3	3	2
Mixed demersal	30	18	29	18	30	15	42	37	44	24	38	47
Total demersal	3483	3197	4317	4986	5355	7240	4992	5848	4471	5626	3989	5973

Table 4b. Landings in English and Welsh ports of demersal fish caught by vessels in ICES Division VIII

Port	1979		1980		1981		1982		1983		1984	
	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000
Fleetwood	0	0	0	0	5	2	0	0	0	0	0	0
Mersey Estuary	0	0	0	0	0	0	0	0	0	0	0	0
Holyhead	0	0	0	0	0	0	0	0	0	0	0	0
Fishguard	0	0	0	0	0	0	0	0	0	0	2	1
Milford Haven	472	262	524	275	487	266	368	208	248	159	277	157
Three Rivers	0	0	0	0	0	0	0	0	0	0	0	0
Llanelli	0	0	4	3	10	8	9	10	0	0	9	10
Swansea	90	48	114	59	169	97	185	115	219	130	244	137
Cardiff	0	0	0	0	0	0	0	0	0	0	0	0
Ifracombe	0	0	0	0	0	0	0	0	2	1	29	11
Instow	0	0	0	0	0	0	0	0	0	0	0	0
Appledore	0	0	0	0	0	0	0	0	65	40	2	1
Bideford	65	42	77	46	0	0	2	1	42	43	0	0
Clovelly	0	0	0	0	0	0	0	0	0	0	0	0
Bude	0	0	0	0	0	0	0	0	0	0	0	0
Port Isaac	0	0	0	0	0	0	72	24	75	33	19	7
Padstow	108	52	0	0	387	177	417	263	838	492	1099	807
Newquay	36	16	0	0	20	8	64	31	20	15	62	51
Portreath	0	0	0	0	0	0	0	0	0	0	0	0
Hayle	53	30	111	56	92	50	42	25	30	21	56	36
St Ives	123	68	187	77	325	149	131	76	110	63	84	48
Scilly Isles	0	0	0	0	0	0	0	0	6	3	3	2
Penberth	0	0	0	0	0	0	0	0	3	10	7	8
Newlyn	922	521	1878	1025	2471	1318	2704	1527	2478	1713	2161	1543
Penzance	0	0	0	0	0	0	0	0	1	1	1	1
Porthleven	0	0	0	0	0	0	0	0	0	0	1	1
Coverack	0	0	0	0	0	0	4	3	0	0	0	0
Falmouth	65	31	63	34	37	22	44	31	44	28	10	8
Mevagissey	2	1	0	0	0	0	0	0	0	0	0	0
Plymouth	17	8	52	29	0	0	47	66	4	3	28	32
River Dart	0	0	0	0	0	0	0	0	0	0	0	0
Kingswear	0	0	0	0	0	0	0	0	0	0	0	0
Brixham	0	0	9	8	86	89	192	177	82	83	150	155
Portsmouth	0	0	0	0	25	32	0	0	0	0	0	0
Shoreham	0	0	0	0	0	0	0	0	0	0	0	0
Brighton	0	0	0	0	0	0	0	0	0	0	0	0
Total demersal	1953	1079	3019	1612	4114	2218	4281	2557	4267	2838	4244	3016
Port	1985		1986		1987		1988		1989		1990	
	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000
Fleetwood	6	8	1	1	2	7	13	41	21	22	68	129
Mersey Estuary	0	0	0	2	7	24	0	0	0	0	11	27
Holyhead	0	0	0	0	5	11	0	0	2	2	7	4
Fishguard	0	0	0	0	0	0	0	0	0	0	0	0
Milford Haven	596	536	551	585	721	713	560	429	372	304	347	374
Three Rivers	0	0	0	0	0	0	0	0	0	0	6	5
Llanelli	0	0	0	0	11	11	2	5	0	0	27	27
Swansea	233	131	135	83	94	56	39	27	167	243	53	61
Cardiff	0	0	0	0	0	0	0	0	0	0	1	2
Ifracombe	0	0	0	0	0	0	105	64	101	96	180	136
Instow	0	0	0	0	0	0	46	34	49	43	25	21
Appledore	0	0	0	0	0	0	29	23	60	150	71	126
Bideford	33	23	37	31	29	32	85	100	196	198	283	243
Clovelly	0	0	0	0	0	0	36	26	63	57	82	68
Bude	0	0	0	0	0	0	0	0	0	0	2	5
Port Isaac	5	3	4	3	10	10	4	4	52	34	13	12
Padstow	643	534	702	818	405	745	604	772	679	679	391	554
Newquay	19	17	27	22	2	2	18	14	51	46	12	18
Portreath	0	0	0	0	0	0	0	0	1	1	2	2
Hayle	64	41	49	48	71	75	41	49	64	66	119	127
St Ives	119	69	221	133	51	53	170	146	165	201	111	119
Scilly Isles	3	3	0	0	0	0	48	50	4	4	0	0
Penberth	0	0	0	0	0	0	9	43	12	39	0	0
Newlyn	1522	1510	2374	2860	3663	4955	2949	3641	2322	3300	1982	3517
Penzance	16	8	31	24	10	8	11	21	4	5	25	58
Porthleven	0	0	0	0	0	0	0	0	0	0	0	0
Coverack	0	0	0	0	0	0	0	0	0	0	0	0
Falmouth	2	1	12	16	8	10	1	2	24	31	8	10
Mevagissey	0	0	2	6	0	0	0	0	0	0	1	2
Plymouth	15	16	30	43	11	17	22	57	21	31	16	28
River Dart	0	0	0	0	4	10	0	0	0	0	0	0
Kingswear	0	0	0	0	23	31	0	0	1	3	0	0
Brixham	207	297	139	309	212	439	192	277	40	71	145	294
Portsmouth	0	0	2	2	16	31	7	18	0	0	0	0
Shoreham	0	0	0	0	0	0	0	0	0	0	1	4
Brighton	0	0	0	0	0	0	1	5	0	0	0	0
Total demersal	3483	3197	4317	4986	5355	7240	4992	5848	4471	5626	3989	5973

Table 5a. Demersal fish landings by vessels in England and Wales from ICES Division VIIg

Species	1979		1980		1981		1982		1983		1984	
	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000
Anglerfish	10	5	15	7	112	54	85	55	173	132	194	147
Bass	0	0	0	0	0	0	0	0	0	0	0	0
Breams	0	0	0	0	1	1	0	1	0	0	0	0
Brill	2	2	1	1	3	7	1	2	5	8	5	9
Cod	26	14	35	18	117	51	116	52	62	35	81	47
Conger eel	15	6	15	5	11	4	2	1	4	1	3	1
Dab	4	1	4	1	12	3	5	1	4	1	9	2
Dogfish	7	1	9	2	2	0	1	0	1	0	1	0
Flounder	0	0	0	0	0	0	0	0	0	0	0	0
Gumards	6	1	5	1	28	4	11	2	12	2	17	3
Haddock	3	2	19	7	34	14	24	22	3	2	9	4
Hake	7	5	29	31	316	348	134	146	75	67	75	82
John dory	0	0	0	0	1	1	0	1	1	1	0	0
Lemon sole	2	1	7	5	25	17	22	15	29	19	31	24
Ling	58	21	33	10	24	8	28	9	25	8	16	4
Megrim	3	1	8	4	108	80	84	53	57	33	68	41
Plaice	20	9	14	7	43	21	32	16	57	38	68	39
Pollack	4	2	6	3	16	7	13	6	7	4	11	5
Pout whiting	3	1	3	1	14	3	3	1	11	2	11	2
Rays	123	68	73	40	82	45	59	30	87	45	95	44
Saithe	1	0	3	1	20	5	10	3	5	1	5	2
Sand sole	1	1	0	0	1	1	0	0	2	2	0	1
Sole	9	21	7	17	15	40	29	77	90	231	54	136
Spurdog	97	36	169	79	80	34	36	11	14	4	19	4
Turbot	7	16	3	7	5	12	4	11	9	24	26	71
Whiting	22	6	38	14	198	49	121	36	39	13	84	29
Witch	0	0	1	0	6	3	3	2	2	1	3	1
Mixed demersal	3	2	3	2	7	3	42	18	36	20	6	3
Total demersal	433	222	500	263	1281	815	865	571	810	694	891	701

Species	1985		1986		1987		1988		1989		1990	
	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000
Anglerfish	133	131	122	179	92	139	115	167	78	114	165	296
Bass	0	1	1	4	1	4	1	6	0	3	1	6
Breams	0	1	0	0	0	0	0	0	0	0	0	1
Brill	7	13	6	21	8	27	4	12	4	16	3	10
Cod	87	62	99	94	111	94	65	51	68	63	152	185
Conger eel	4	1	4	1	7	3	8	2	7	3	5	2
Dab	7	2	6	2	7	2	4	1	3	1	2	0
Dogfish	1	0	3	0	2	2	33	20	16	12	11	10
Flounder	0	0	0	0	0	0	3	1	0	0	0	0
Gumards	20	4	24	5	29	5	11	2	10	2	3	1
Haddock	6	5	5	4	9	7	49	28	24	21	15	21
Hake	100	140	61	103	123	260	200	378	296	658	317	925
John dory	1	3	1	2	1	1	1	4	1	3	0	1
Lemon sole	23	23	19	28	14	22	10	16	8	14	12	32
Ling	13	5	31	14	41	27	43	22	66	32	96	69
Megrim	44	29	38	43	28	36	13	15	16	23	44	93
Plaice	90	54	67	44	102	80	101	73	90	58	87	85
Pollack	11	7	25	18	44	32	33	24	69	55	93	96
Pout whiting	10	3	7	2	8	3	8	2	4	1	7	3
Rays	147	74	205	146	208	133	258	179	155	107	121	97
Saithe	8	3	18	9	15	7	29	10	44	18	110	55
Sand sole	0	1	0	1	1	3	1	2	1	1	0	0
Sole	86	277	52	255	60	316	33	144	49	208	80	345
Spurdog	21	4	19	9	59	23	228	178	162	113	251	223
Turbot	12	36	26	91	16	82	55	261	19	102	7	46
Whiting	62	23	48	27	57	36	52	23	47	24	112	54
Witch	2	0	1	1	2	1	0	0	0	0	2	1
Mixed demersal	14	9	6	3	12	7	19	13	17	6	8	8
Total demersal	909	911	894	1106	1057	1352	1377	1634	1254	1658	1704	2665

Table 5b. Landings in English and Welsh ports of demersal fish caught by UK vessels in ICES Division VIIg

Port	1979		1980		1981		1982		1983		1984	
	Catch	Value	Catch	Value	Catch	Value	Catch	Value	Catch	Value	Catch	Value
	t	£'000	t	£'000	t	£'000	t	£'000	t	£'000	t	£'000
Lune Estuary	0	0	0	0	0	0	0	0	0	0	0	0
Fleetwood	0	0	2	1	0	0	0	0	0	0	20	45
Mersey Estuary	0	0	0	0	0	0	0	0	0	0	0	0
Holyhead	0	0	0	0	0	0	0	0	0	0	0	0
Aberaeron	0	0	0	0	0	0	0	0	0	0	0	0
Fishguard	0	0	0	0	0	0	0	0	0	0	0	0
Milford Haven	321	166	304	155	461	321	387	279	202	184	206	137
Swansea	0	0	0	0	0	0	0	0	0	0	0	0
Padstow	0	0	0	0	0	0	15	10	18	27	19	19
Newquay	0	0	0	0	0	0	0	0	0	0	0	0
Hayle	0	0	0	0	0	0	0	0	0	0	0	0
Newlyn	108	54	182	99	473	250	420	226	545	435	573	430
Penzance	0	0	0	0	0	0	0	0	0	0	0	0
Falmouth	0	0	0	0	336	231	25	25	0	0	0	0
Mevagissey	0	0	0	0	0	0	0	0	0	0	0	0
Plymouth	4	2	0	0	0	0	18	31	0	0	0	0
River Dart	0	0	0	0	0	0	0	0	0	0	0	0
Kingswear	0	0	0	0	0	0	0	0	0	0	0	0
Brixham	0	0	12	8	11	13	0	0	45	47	72	70
Portsmouth	0	0	0	0	0	0	0	0	0	0	0	0
Hull	0	0	0	0	0	0	0	0	0	0	0	0
Total demersal	433	222	500	263	1281	815	865	571	810	694	891	701

Port	1985		1986		1987		1988		1989		1990	
	Catch	Value	Catch	Value	Catch	Value	Catch	Value	Catch	Value	Catch	Value
	t	£'000	t	£'000	t	£'000	t	£'000	t	£'000	t	£'000
Lune Estuary	4	14	0	0	9	16	5	10	0	0	0	0
Fleetwood	2	1	9	32	17	53	5	9	68	140	76	140
Mersey Estuary	0	0	0	0	21	57	0	0	9	14	36	72
Holyhead	0	0	0	0	5	4	40	24	25	28	41	35
Aberaeron	0	0	0	0	13	4	0	0	0	0	0	0
Fishguard	0	0	0	0	0	0	0	0	1	2	0	0
Milford Haven	303	284	413	453	492	553	586	561	339	321	469	487
Swansea	0	0	0	0	3	2	54	37	3	2	0	0
Padstow	54	70	3	7	9	7	139	193	167	202	83	158
Newquay	0	0	0	0	0	0	3	3	0	0	0	0
Hayle	0	0	0	0	0	0	2	4	0	0	0	0
Newlyn	464	445	435	540	431	570	499	705	580	878	959	1693
Penzance	7	5	0	0	0	0	0	0	18	13	3	5
Falmouth	0	0	13	13	0	0	0	0	0	0	0	0
Mevagissey	0	0	0	0	0	0	16	40	18	17	5	9
Plymouth	0	0	1	2	25	39	5	15	6	10	0	0
River Dart	0	0	0	0	10	14	0	0	0	0	0	0
Kingswear	0	0	0	0	9	13	3	4	0	0	0	0
Brixham	73	89	19	58	11	17	18	23	10	18	30	60
Portsmouth	2	3	1	1	2	3	2	6	9	12	2	6
Hull	0	0	0	0	0	0	0	0	1	1	0	0
Total demersal	909	911	894	1106	1057	1352	1377	1634	1254	1658	1704	2665

Table 6a. Demersal fish landings by UK vessels in England and Wales from ICES Division VIII

Species	1979		1980		1981		1982		1983		1984	
	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000
Anglerfish	98	44	348	191	558	367	556	399	292	233	686	608
Bass	0	0	0	0	0	0	0	0	0	0	0	0
Breams	0	0	0	0	0	0	2	2	0	0	0	0
Brill	1	1	1	1	3	5	3	5	2	3	8	18
Cod	5	3	10	4	18	10	36	18	11	7	28	18
Conger eel	54	18	27	9	38	10	57	19	14	5	9	2
Dab	0	0	1	0	5	1	3	1	1	0	4	1
Dogfish	4	1	1	0	1	2	7	1	0	0	2	0
Gurnards	2	0	4	1	8	1	6	1	4	1	19	5
Haddock	11	8	20	11	38	20	38	20	11	7	15	11
Hake	3	3	11	9	12	10	30	30	15	12	36	35
John dory	0	0	1	1	1	1	1	2	1	2	3	6
Lemon sole	10	9	39	29	59	63	66	60	30	26	70	76
Ling	579	213	412	127	620	166	582	210	123	44	50	15
Megrim	69	37	235	148	391	254	466	326	199	166	300	246
Plaice	9	7	24	17	48	36	53	38	18	15	57	43
Pollack	3	2	9	4	14	7	31	14	17	8	9	6
Pout whiting	3	1	2	1	8	1	6	1	3	0	23	5
Rays	51	27	63	26	92	33	135	47	58	16	100	27
Redfishes	1	0	0	0	0	0	0	0	0	0	0	0
Red mullet	0	0	0	0	0	0	0	1	0	0	1	2
Saithe	0	0	0	0	2	1	14	4	10	3	1	0
Sand sole	7	2	0	0	0	2	0	0	0	0	0	0
Sole	18	53	35	98	67	219	68	219	35	112	96	307
Spurdog	2	0	5	1	4	2	35	15	10	4	2	0
Turbot	8	20	5	12	6	17	7	20	3	9	8	26
Whiting	0	0	1	0	2	0	4	1	3	1	7	2
Witch	0	0	0	0	0	0	0	0	0	0	1	0
Mixed demersal	1	0	2	1	3	1	10	2	2	1	3	1
Total demersal	939	449	1256	691	1998	1229	2216	1456	862	675	1538	1460

Species	1985		1986		1987		1988		1989		1990	
	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000
Anglerfish	830	925	503	798	703	1191	1101	1667	1256	2038	1199	2154
Bass	0	0	0	0	0	3	0	2	0	3	2	15
Breams	0	0	0	0	0	1	0	0	0	0	0	0
Brill	8	22	14	52	22	101	21	101	6	29	47	181
Cod	45	35	42	40	56	50	45	36	103	105	135	170
Conger eel	17	4	15	5	23	11	35	16	14	7	23	12
Dab	4	2	12	3	12	4	18	5	2	1	1	0
Dogfish	0	0	0	0	2	1	7	2	2	2	2	3
Gurnards	28	6	23	6	61	20	53	12	22	5	113	20
Haddock	22	19	17	18	18	16	62	44	48	46	20	26
Hake	32	37	46	64	40	64	102	183	113	263	145	435
John dory	2	7	4	11	9	20	11	30	5	16	15	50
Lemon sole	101	134	108	207	115	267	140	308	70	154	193	443
Ling	132	56	104	50	221	131	371	180	210	112	283	191
Megrim	512	509	367	514	448	676	847	1273	849	1416	726	1625
Plaice	63	57	126	93	222	202	407	310	63	56	79	92
Pollack	30	21	32	26	96	71	137	84	132	96	267	259
Pout whiting	16	4	52	12	80	25	80	22	17	5	127	41
Rays	152	44	193	76	278	121	421	164	202	108	381	206
Redfishes	0	0	0	0	0	0	0	0	0	0	0	0
Red mullet	1	4	2	10	4	22	5	19	2	9	10	15
Saithe	13	4	4	2	3	1	36	12	31	13	83	47
Sand sole	0	0	0	1	1	4	1	1	0	0	0	0
Sole	105	418	192	994	183	1071	159	856	160	842	139	761
Spurdog	2	0	5	3	3	1	14	6	18	13	11	9
Turbot	10	37	18	95	24	155	50	310	13	89	31	178
Whiting	10	4	18	9	27	18	20	8	22	13	22	18
Witch	0	0	0	0	1	0	1	0	0	0	0	0
Mixed demersal	3	2	13	9	8	10	16	14	17	13	39	56
Total demersal	2138	2351	1910	3098	2660	4257	4160	5665	3377	5454	4093	7007

**Table 6b. Landings in English and Welsh ports of demersal fish caught by UK vessels in ICES
Division VIII**

Port	1979		1980		1981		1982		1983		1984	
	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000
Fleetwood	0	0	6	2	0	0	0	0	0	0	0	0
Mersey Estuary	0	0	0	0	0	0	0	0	0	0	0	0
Milford Haven	0	0	0	0	1	1	0	0	0	0	4	3
Padstow	0	0	0	0	0	0	0	0	0	0	0	0
Newlyn	939	449	1250	689	1818	1075	2016	1332	808	634	1279	1224
Penzance	0	0	0	0	0	0	0	0	54	41	14	13
River Fal	0	0	0	0	0	0	32	17	0	0	11	15
Mevagissey	0	0	0	0	0	0	0	0	0	0	0	0
Plymouth	0	0	0	0	0	0	108	63	0	0	0	0
River Dart	0	0	0	0	0	0	0	0	0	0	0	0
Kingswear	0	0	0	0	0	0	0	0	0	0	0	0
Brixham	0	0	0	0	179	153	60	44	0	0	230	205
Portsmouth	0	0	0	0	0	0	0	0	0	0	0	0
Hartlepool	0	0	0	0	0	0	0	0	0	0	0	0
Total demersal	939	449	1256	691	1998	1229	2216	1456	862	675	1538	1460

Port	1985		1986		1987		1988		1989		1990	
	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000	Catch t	Value £'000
Fleetwood	0	0	4	11	7	23	4	16	8	29	3	7
Mersey Estuary	0	0	0	0	0	0	0	0	4	15	2	5
Milford Haven	5	6	1	1	29	37	3	3	5	14	9	21
Padstow	0	0	1	4	12	21	0	0	7	25	18	53
Newlyn	2006	2186	1619	2440	1989	3060	3214	4403	2592	4211	3590	6069
Penzance	23	27	1	2	42	57	5	7	25	47	20	44
River Fal	1	1	0	0	0	0	23	14	175	219	86	121
Mevagissey	0	0	0	0	0	0	32	59	71	103	10	16
Plymouth	0	0	27	87	57	112	158	232	268	437	192	342
River Dart	0	0	0	0	26	56	0	0	0	0	0	0
Kingswear	0	0	0	0	18	33	0	0	0	0	0	0
Brixham	103	131	257	553	480	858	718	928	222	354	155	299
Portsmouth	0	0	0	0	0	0	3	3	0	0	0	0
Hartlepool	0	0	0	0	0	0	0	0	0	0	8	30
Total demersal	2138	2351	1910	3098	2660	4257	4160	5665	3377	5454	4093	7007

Table 7a. Landings (tonnes) from Division VIIa of the main demersal species in major English and Welsh ports

Port	Species	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
WHITEHAVEN	Cod	240	307	405	331	278	168	222	108	324	259	361	86
	Plaice	509	443	419	358	451	532	441	425	646	256	415	178
	Rays	43	29	37	31	34	37	32	33	36	16	20	11
	Sole	40	32	24	32	49	29	26	75	74	21	28	24
	Spurdog	87	90	163	139	117	132	200	129	209	87	126	45
	Whiting	293	234	216	370	541	447	469	320	549	195	237	177
FLEETWOOD	Cod	522	1135	1767	1640	954	775	734	563	1234	1345	1228	652
	Plaice	979	1243	1379	1148	919	1514	1461	1075	1299	1006	1194	979
	Rays	318	375	374	448	428	421	337	359	369	440	465	539
	Sole	159	133	99	91	68	110	81	267	269	350	331	285
	Spurdog	233	276	497	840	621	579	714	440	468	35	179	130
	Whiting	358	513	439	621	531	600	737	592	833	712	610	768
ANGLESEY	Cod	0	0	0	0	0	0	0	0	0	0	0	0
	Plaice	0	0	0	0	3	0	0	1	0	0	0	0
	Rays	0	0	0	0	3	0	0	4	5	0	0	0
	Sole	0	0	0	0	0	0	0	0	0	0	0	0
	Spurdog	0	0	0	1	94	872	3	0	0	0	0	0
	Whiting	0	0	0	0	0	0	0	0	0	0	0	0
HOLYHEAD	Cod	1	14	97	95	35	61	27	39	102	191	375	179
	Plaice	3	18	27	1	0	0	2	9	7	11	19	23
	Rays	0	2	2	2	0	0	3	20	166	126	138	185
	Sole	12	125	116	0	1	1	5	51	31	11	9	6
	Spurdog	0	0	3	1	194	706	2164	2721	3197	2208	869	775
	Whiting	2	3	21	30	21	85	26	9	14	33	102	52
MILFORD HAVEN	Cod	154	226	257	349	98	189	165	68	110	311	358	246
	Plaice	67	66	45	63	34	49	84	47	71	66	93	167
	Rays	371	347	343	440	328	276	319	116	199	314	229	104
	Sole	18	17	16	12	9	11	13	19	36	13	24	24
	Spurdog	25	33	32	37	30	18	15	6	13	296	103	140
	Whiting	80	80	57	76	37	28	38	16	30	41	41	85

Table 7b. Landings (tonnes) from Division VIIe of the main demersal species in major English and Welsh ports

Port	Species	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
NEWLYN	Anglerfish	542	805	642	502	1052	967	588	338	427	497	495	426
	Lemon sole	93	100	96	100	158	138	181	135	154	173	91	250
	Ling	171	186	151	95	405	79	95	189	434	208	155	263
	Plaice	51	47	59	56	71	72	84	132	153	137	103	132
	Pollack	72	64	42	60	212	33	75	202	384	131	114	184
	Sole	108	115	80	111	146	136	112	150	114	138	81	99
	Whiting	55	45	28	23	64	49	72	80	120	146	134	123
LOOE	Anglerfish	289	372	284	277	546	463	191	94	90	123	280	111
	Lemon sole	214	205	82	174	317	217	326	296	227	211	162	162
	Ling	18	29	23	27	22	22	31	39	36	37	42	59
	Plaice	38	45	51	95	93	103	110	129	147	170	110	134
	Pollack	66	54	23	29	25	18	24	18	21	24	25	36
	Sole	5	2	3	5	3	4	4	5	7	3	5	5
	Whiting	182	216	173	241	211	229	96	195	251	288	202	455
PLYMOUTH	Anglerfish	225	326	291	346	505	498	215	111	110	182	225	185
	Lemon sole	134	182	138	169	287	243	224	177	171	141	95	114
	Ling	89	71	59	40	48	77	55	63	59	87	52	52
	Plaice	64	58	97	111	105	130	123	145	194	225	131	186
	Pollack	94	84	89	29	41	52	96	183	101	196	89	120
	Sole	42	16	28	55	74	68	79	83	77	72	37	40
	Whiting	92	74	112	84	116	69	44	58	86	148	113	149
BRIXHAM	Anglerfish	442	738	825	1031	1623	1073	625	328	425	671	737	352
	Lemon sole	134	216	195	244	360	365	391	248	206	222	283	240
	Ling	38	44	55	62	81	50	84	67	105	102	80	62
	Plaice	329	392	660	746	834	755	721	870	779	977	1192	1220
	Pollack	134	57	46	65	103	56	119	177	179	108	87	214
	Sole	471	564	612	778	743	633	662	538	391	527	445	428
	Whiting	316	231	540	496	379	211	111	196	187	337	296	406

Table 7c. Landings (tonnes) from Division VIIf of the main demersal species in major English and Welsh ports

Port	Species	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
MILFORD HAVEN	Anglerfish	15	15	18	11	8	9	13	11	19	7	7	7
	Hake	8	12	10	9	6	7	36	22	7	3	3	2
	Ling	2	2	1	1	1	0	3	1	2	1	1	1
	Plaice	70	105	79	43	39	45	105	85	181	154	83	45
	Pollack	4	6	3	2	2	1	2	1	4	6	2	11
	Rays	200	171	193	176	109	137	256	276	284	215	174	83
	Spurdog	12	24	11	9	6	2	6	4	13	46	13	79
PADSTOW	Anglerfish	1	0	9	20	16	35	31	22	28	12	12	8
	Hake	2	0	9	7	29	21	15	32	13	32	62	29
	Ling	0	0	0	2	6	6	4	3	10	9	13	7
	Plaice	7	0	10	20	23	76	76	40	29	75	63	44
	Pollack	1	0	0	3	4	22	17	44	41	43	42	21
	Rays	9	0	20	44	59	100	101	157	69	84	124	74
	Spurdog	1	0	213	189	559	533	125	229	42	31	73	22
NEWLYN	Anglerfish	124	204	200	321	375	291	193	277	610	357	398	279
	Hake	21	98	124	70	96	232	280	425	296	440	431	259
	Ling	101	190	167	220	197	129	77	314	545	337	230	177
	Plaice	30	57	47	52	65	61	59	82	105	107	81	125
	Pollack	12	44	70	190	161	145	106	300	324	367	223	132
	Rays	120	166	157	166	150	130	120	133	299	200	103	68
	Spurdog	73	306	862	1019	705	479	83	138	373	205	119	114

Table 7d. Landings (tonnes) from Division VIIg of the main demersal species in major English and Welsh ports

Port	Species	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
MILFORD HAVEN	Anglerfish	8	6	28	36	6	12	11	27	31	21	13	13
	Cod	22	15	52	27	13	12	26	41	59	38	15	43
	Hake	5	3	78	53	5	3	27	19	20	3	2	3
	Rays	105	61	65	45	50	80	110	165	177	183	108	89
	Spurdog	91	156	48	9	7	2	8	10	10	142	77	182
	Whiting	21	9	43	24	7	10	16	20	19	21	18	58
NEWLYN	Anglerfish	2	9	26	42	170	158	85	78	55	76	35	134
	Cod	3	19	48	87	46	62	56	57	37	12	28	84
	Hake	1	24	98	66	68	69	70	39	93	147	262	287
	Rays	17	13	16	11	30	8	19	33	24	39	11	6
	Spurdog	6	9	32	23	6	17	12	8	34	50	55	50
	Whiting	0	27	100	94	31	70	42	28	29	28	17	17
FALMOUTH	Anglerfish	0	0	74	13	0	0	0	2	0	0	0	0
	Cod	0	0	17	0	0	0	0	1	0	0	0	0
	Hake	0	0	139	8	0	0	0	3	0	0	0	0
	Rays	0	0	0	0	0	0	0	1	0	0	0	0
	Spurdog	0	0	0	0	0	0	0	0	0	0	0	0
	Whiting	0	0	54	0	0	0	0	0	0	0	0	0
BRIXHAM	Anglerfish	0	0	2	0	12	20	11	1	2	2	3	6
	Cod	0	2	0	0	3	3	2	0	1	1	0	1
	Hake	0	3	1	0	1	2	1	0	0	0	0	0
	Rays	0	0	2	0	5	4	9	5	1	1	1	2
	Spurdog	0	0	0	0	0	0	0	0	0	0	0	0
	Whiting	0	2	0	0	0	2	2	0	0	0	0	1

Table 7e. Landings (tonnes) from Division VIIh of the main demersal species in major English and Welsh ports

Port	Species	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
NEWLYN	Anglerfish	98	348	504	521	276	571	685	362	583	925	983	1062
	Lemon sole	10	39	49	60	28	59	94	94	92	108	50	181
	Ling	577	412	614	571	121	45	128	99	182	342	155	250
	Megrims	69	235	338	403	184	276	493	363	433	792	669	643
	Rays	51	63	88	128	55	83	141	179	240	377	133	345
	Sole	18	36	55	62	33	74	90	111	88	89	114	95
PLYMOUTH	Anglerfish	0	0	0	62	0	0	0	3	12	64	127	81
	Lemon sole	0	0	0	0	0	0	0	1	0	6	8	6
	Ling	0	0	0	5	0	0	0	0	6	7	15	9
	Megrims	0	0	0	35	0	0	0	0	1	24	42	31
	Rays	0	0	0	0	0	0	0	2	3	18	35	25
	Sole	0	0	0	1	0	0	0	14	11	5	8	5
BRIXHAM	Anglerfish	0	0	83	22	0	102	27	37	89	103	66	33
	Lemon sole	0	0	11	5	0	10	6	13	18	25	8	5
	Ling	0	0	7	3	0	5	2	4	14	8	11	9
	Megrims	0	0	53	16	0	18	14	2	3	29	64	28
	Rays	0	0	4	4	0	14	7	12	23	21	18	9
	Sole	0	0	12	5	0	20	13	64	65	61	19	22

Table 8. Common and scientific species names (Wheeler, 1969)

Common name	Scientific name
Anglerfish	<i>Lophius</i> spp.
Bass	<i>Dicentrarchus labrax</i>
Breams	<i>Bramidae</i> spp.
Brill	<i>Scophthalmus rhombus</i>
Cod	<i>Gadus morhua</i>
Conger eel	<i>Conger conger</i>
Dab	<i>Limanda limanda</i>
Dogfish	<i>Scyliorhinus</i> spp.
Flounder	<i>Platichthys flesus</i>
Grey mullet	<i>Mugil cephalus</i>
Gumards	<i>Trigla</i> spp.
Haddock	<i>Melanogrammus aeglefinus</i>
Hake	<i>Merluccius merluccius</i>
John dory	<i>Zeus faber</i>
Lemon sole	<i>Microstomus kitt</i>
Ling	<i>Molva molva</i>
Megrims	<i>Lepidorhombus</i> spp.
Plaice	<i>Pleuronectes platessa</i>
Pollack	<i>Pollachius pollachius</i>
Pout whiting	<i>Trisopterus luscus</i>
Rays	<i>Raja</i> spp.
Redfishes	<i>Sebastes</i> spp.
Red mullet	<i>Mullus surmuletus</i>
Saithe	<i>Pollachius virens</i>
Salmon	<i>Salmo salar</i>
Sandeels	<i>Ammodytes</i> spp.
Sand sole	<i>Pegusa lascaris</i>
Sea trout	<i>Salmo trutta</i>
Sole	<i>Solea solea</i>
Spurdog	<i>Squalus acanthias</i>
Torsk	<i>Brosme brosme</i>
Turbot	<i>Scophthalmus maximus</i>
Whiting	<i>Merlangius merlangus</i>
Witch	<i>Glyptocephalus cynoglossus</i>

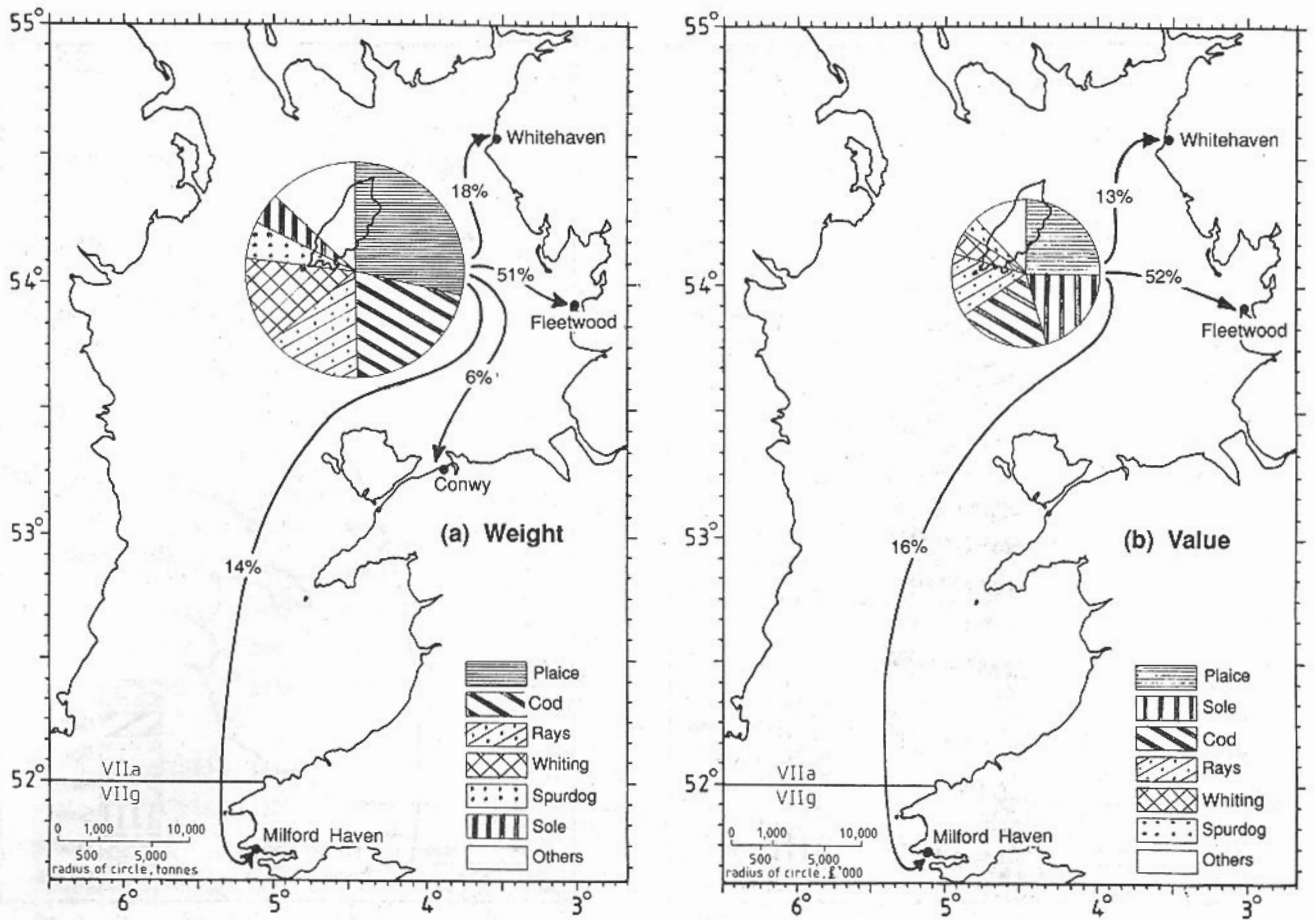


Figure 2. 1979/80 mean weight and value of demersal fish landed in England and Wales by UK vessels fishing in ICES Division VIIa and showing all ports landing $\geq 5\%$ of the total demersal catch

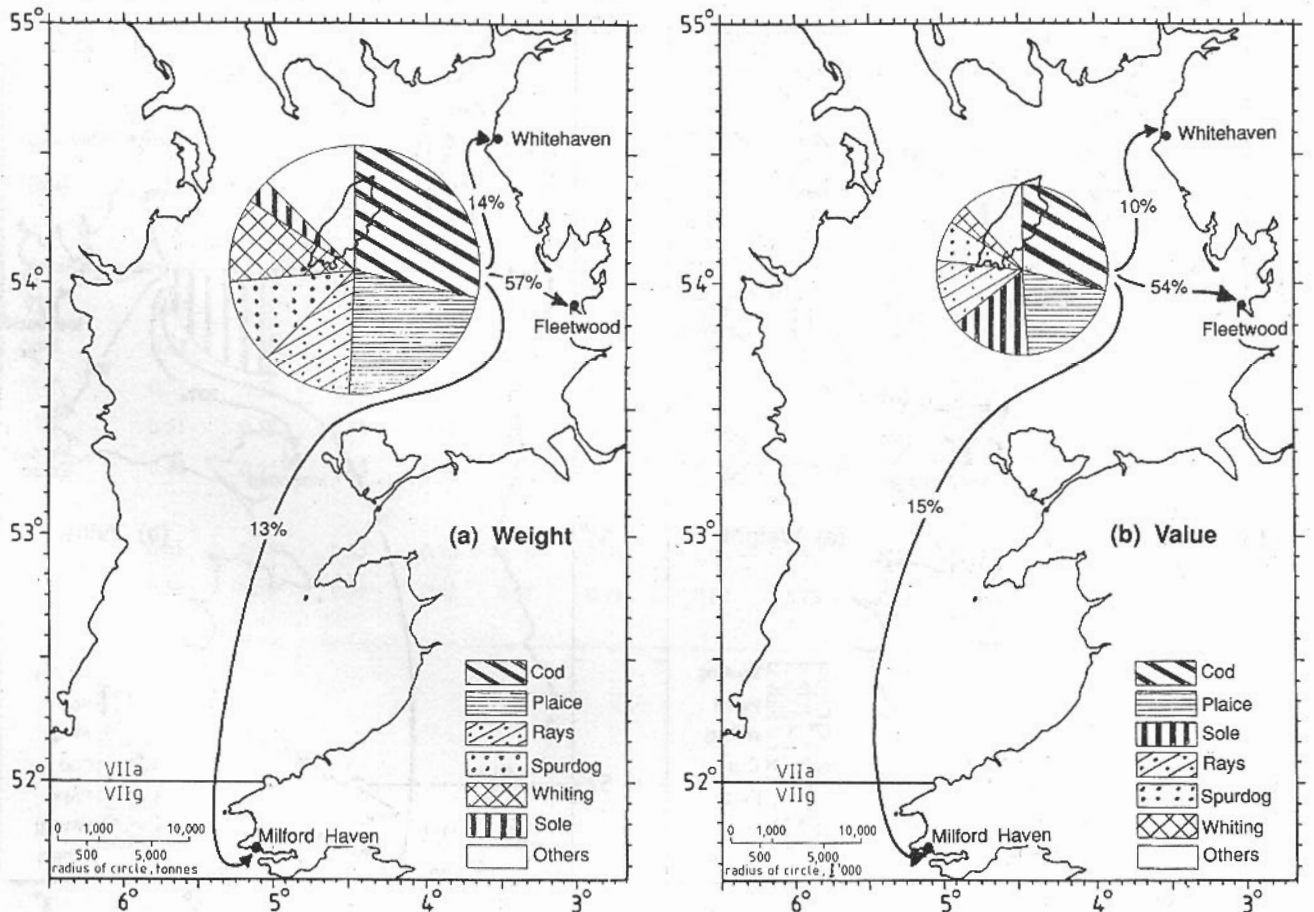


Figure 3. 1981/82 mean weight and value of demersal fish landed in England and Wales by UK vessels fishing in ICES Division VIIa and showing all ports landing $\geq 5\%$ of the total demersal catch

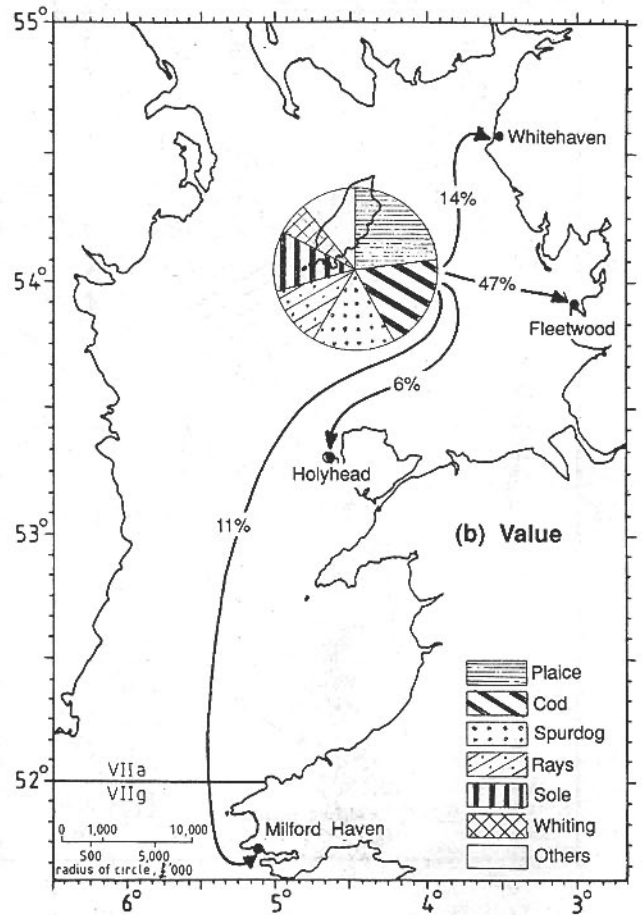
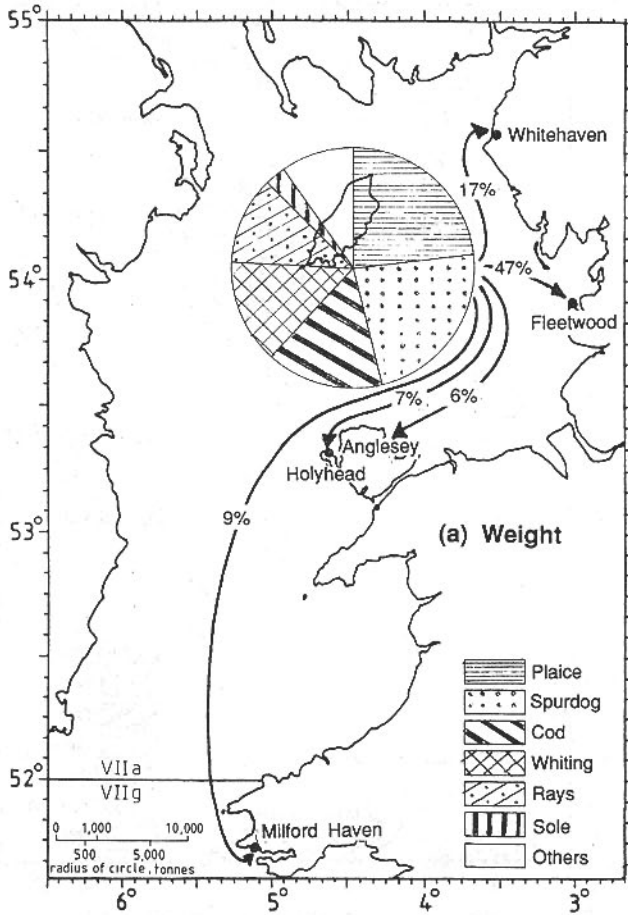


Figure 4. 1983/84 mean weight and value of demersal fish landed in England and Wales by UK vessels fishing in ICES Division VIIa and showing all ports landing >5% of the total demersal catch

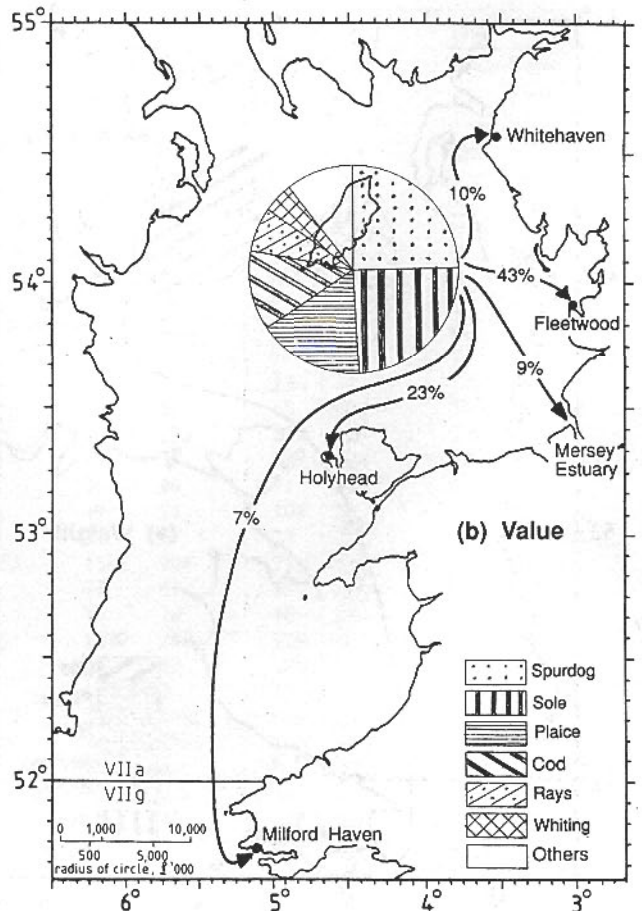
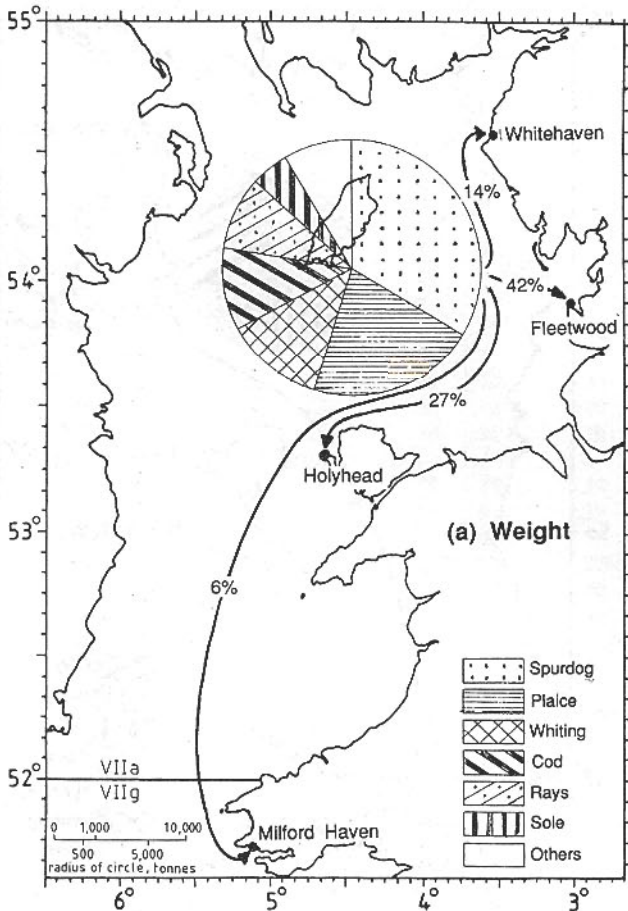


Figure 5. 1985/86 mean weight and value of demersal fish landed in England and Wales by UK vessels fishing in ICES Division VIIa and showing all ports landing >5% of the total demersal catch

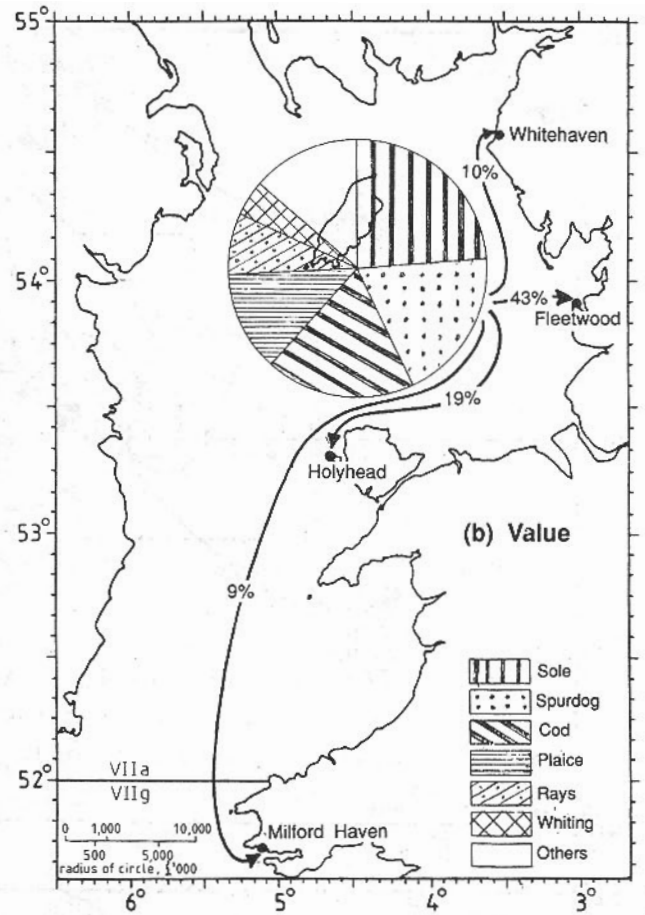
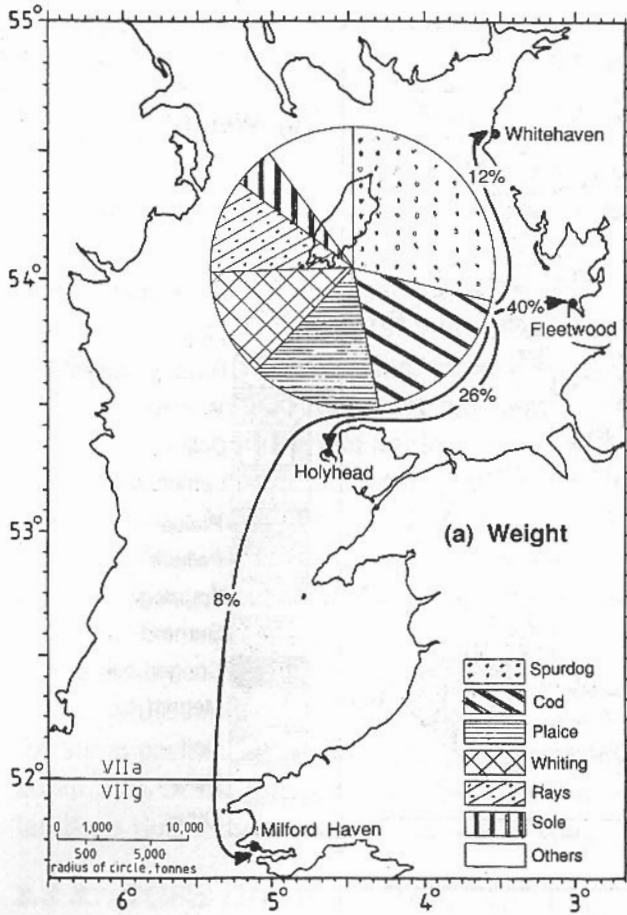


Figure 6. 1987/88 mean weight and value of demersal fish landed in England and Wales by UK vessels fishing in ICES Division VIIa and showing all ports landing > 5% of the total demersal catch

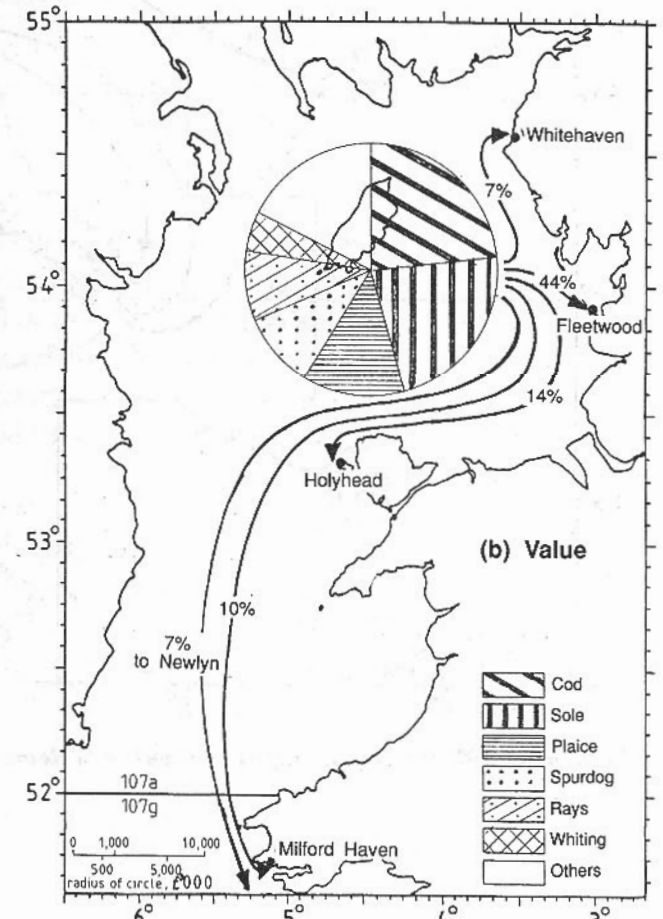
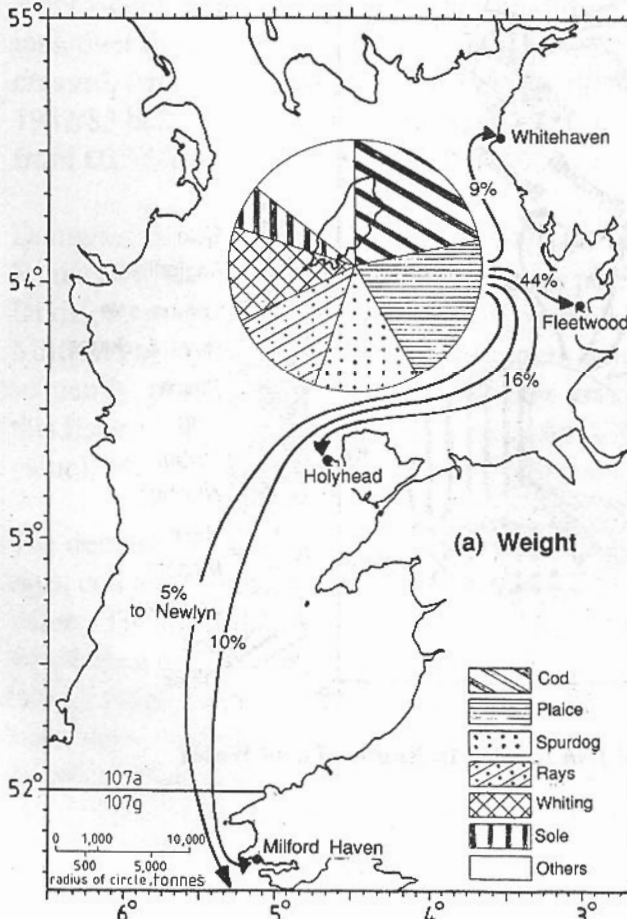


Figure 7. 1989/90 mean weight and value of demersal fish landed in England and Wales by UK vessels fishing in ICES Division VIIa and showing all ports landing > 5% of the total demersal catch

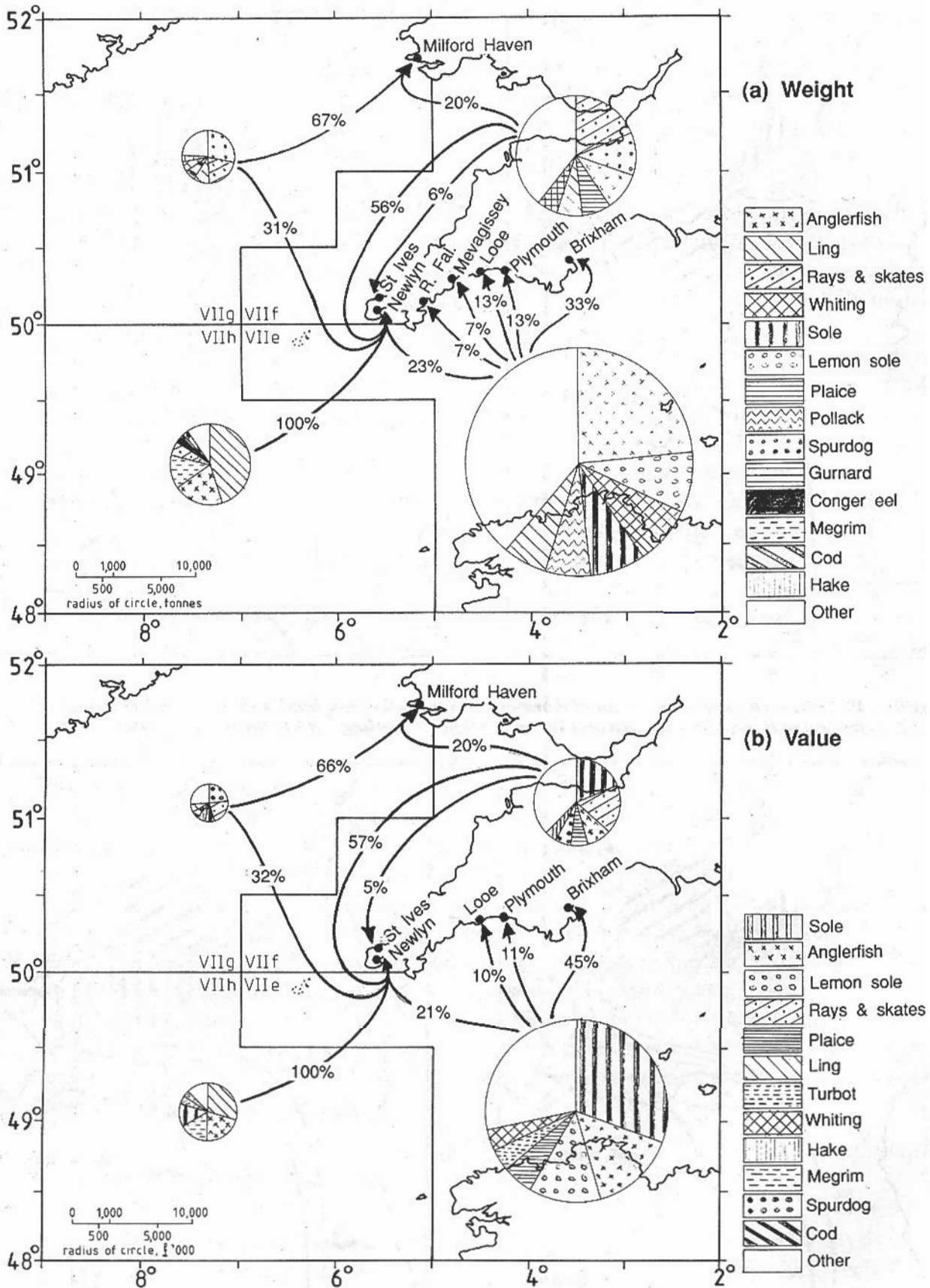


Figure 8. 1979/80 mean weight and value of demersal fish landed in England and Wales

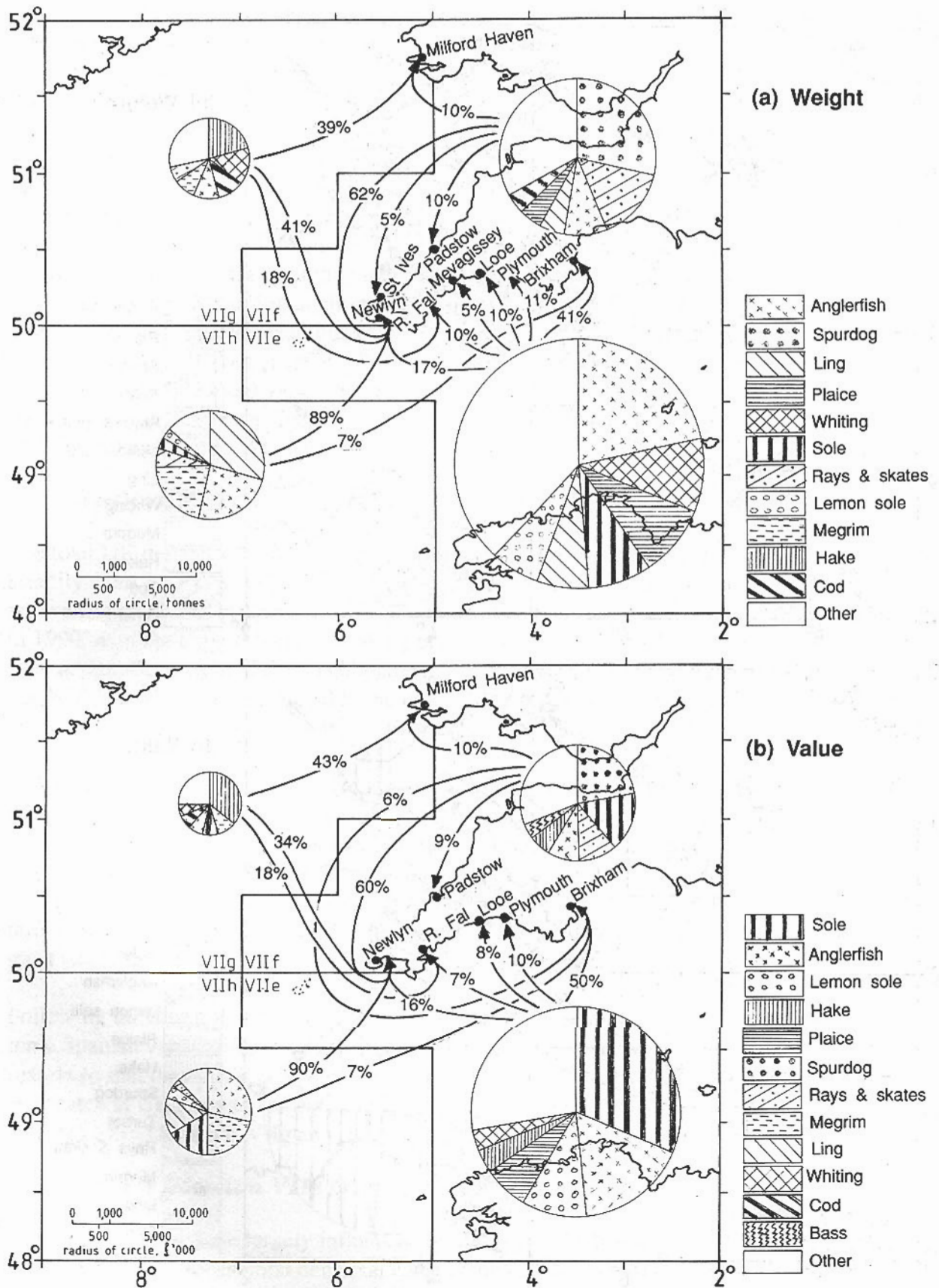


Figure 9. 1981/82 mean weight and value of demersal fish landed in England and Wales

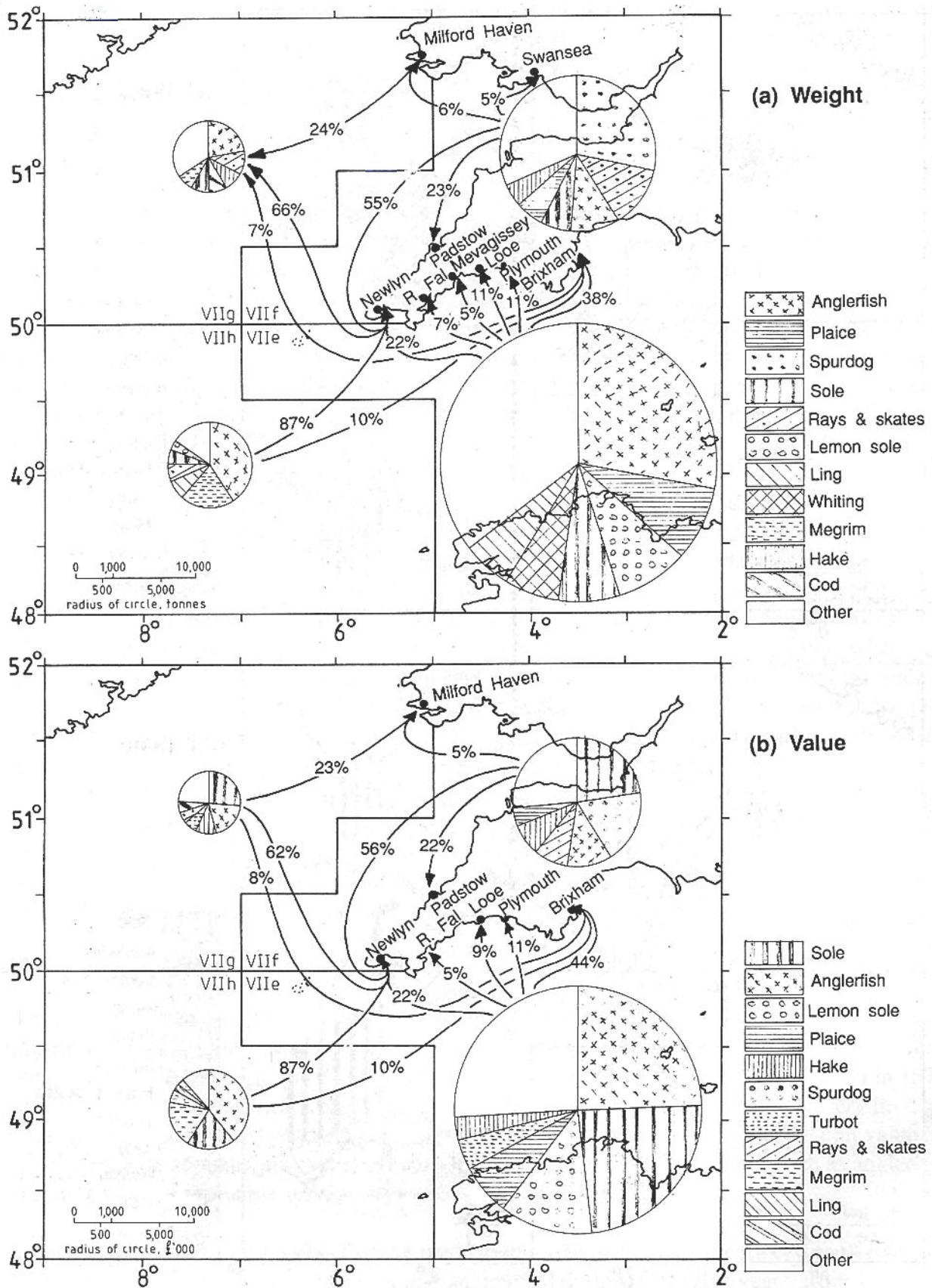


Figure 10. 1983/84 mean weight and value of demersal fish landed in England and Wales

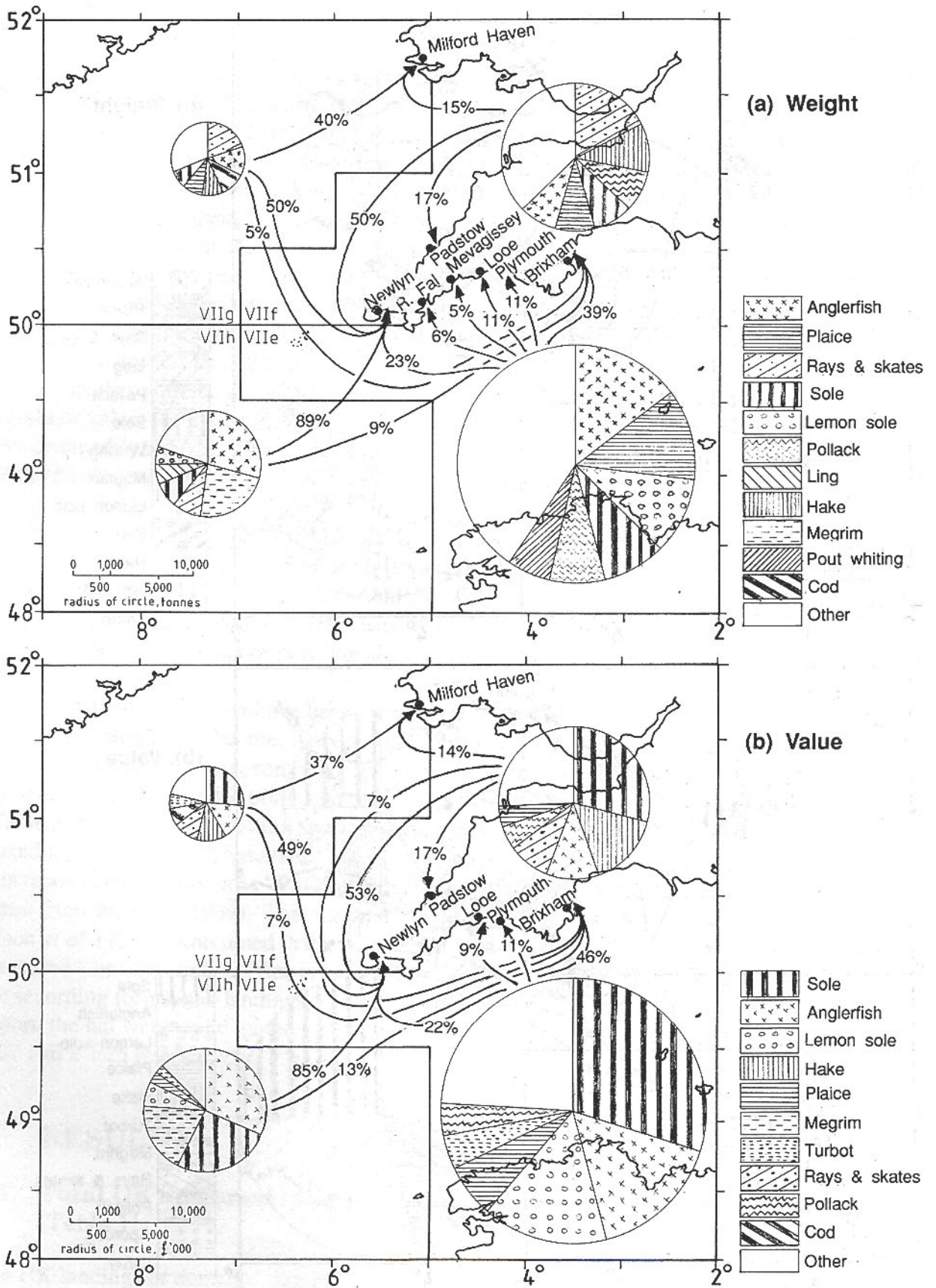


Figure 11. 1985/86 mean weight and value of demersal fish landed in England and Wales

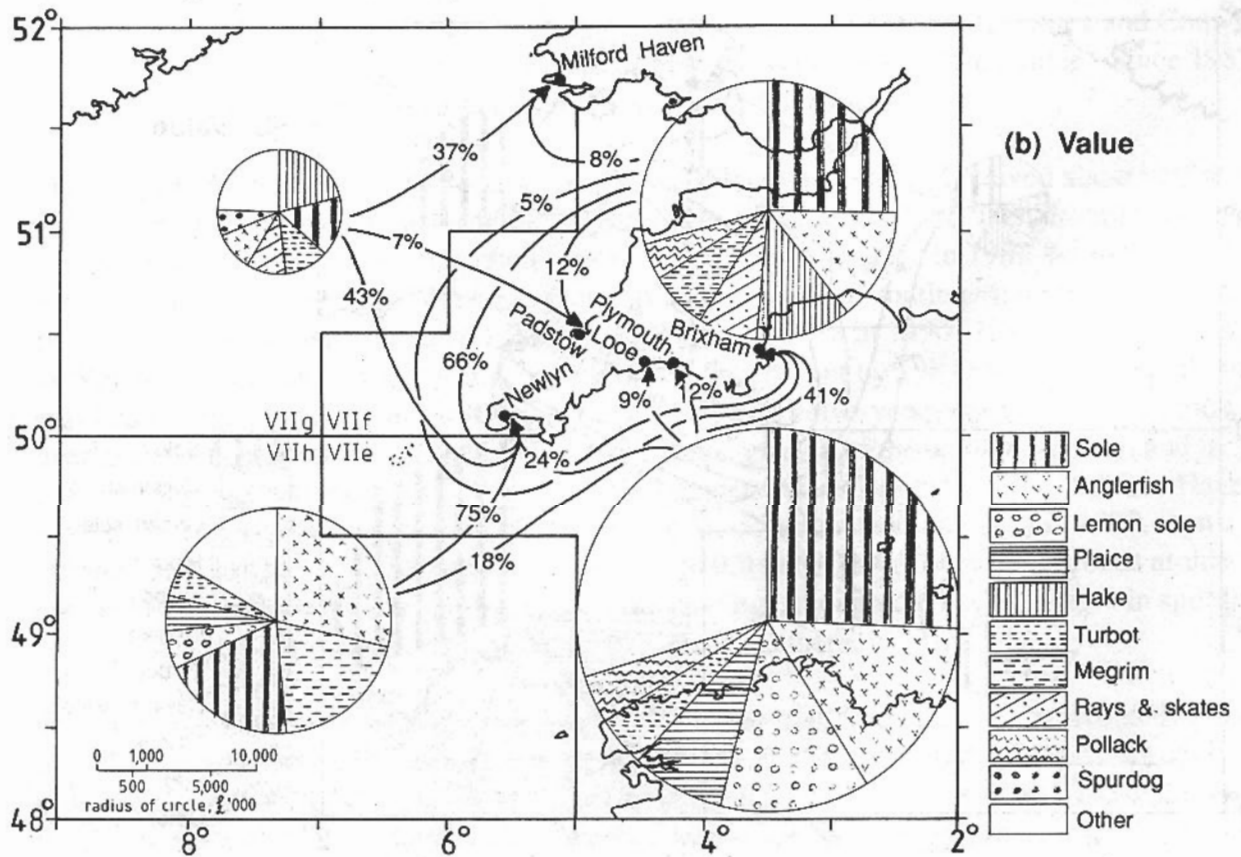
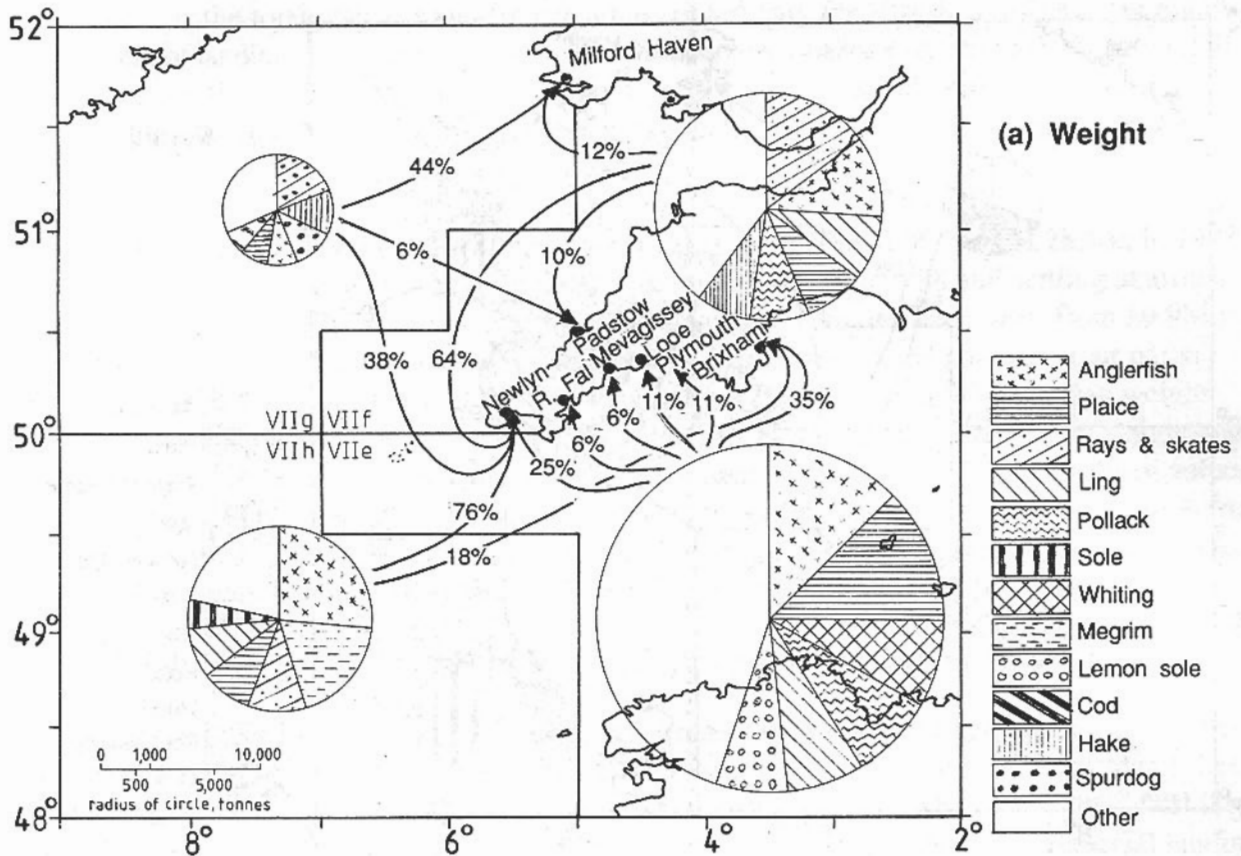


Figure 12. 1987/88 mean weight and value of demersal fish landed in England and Wales

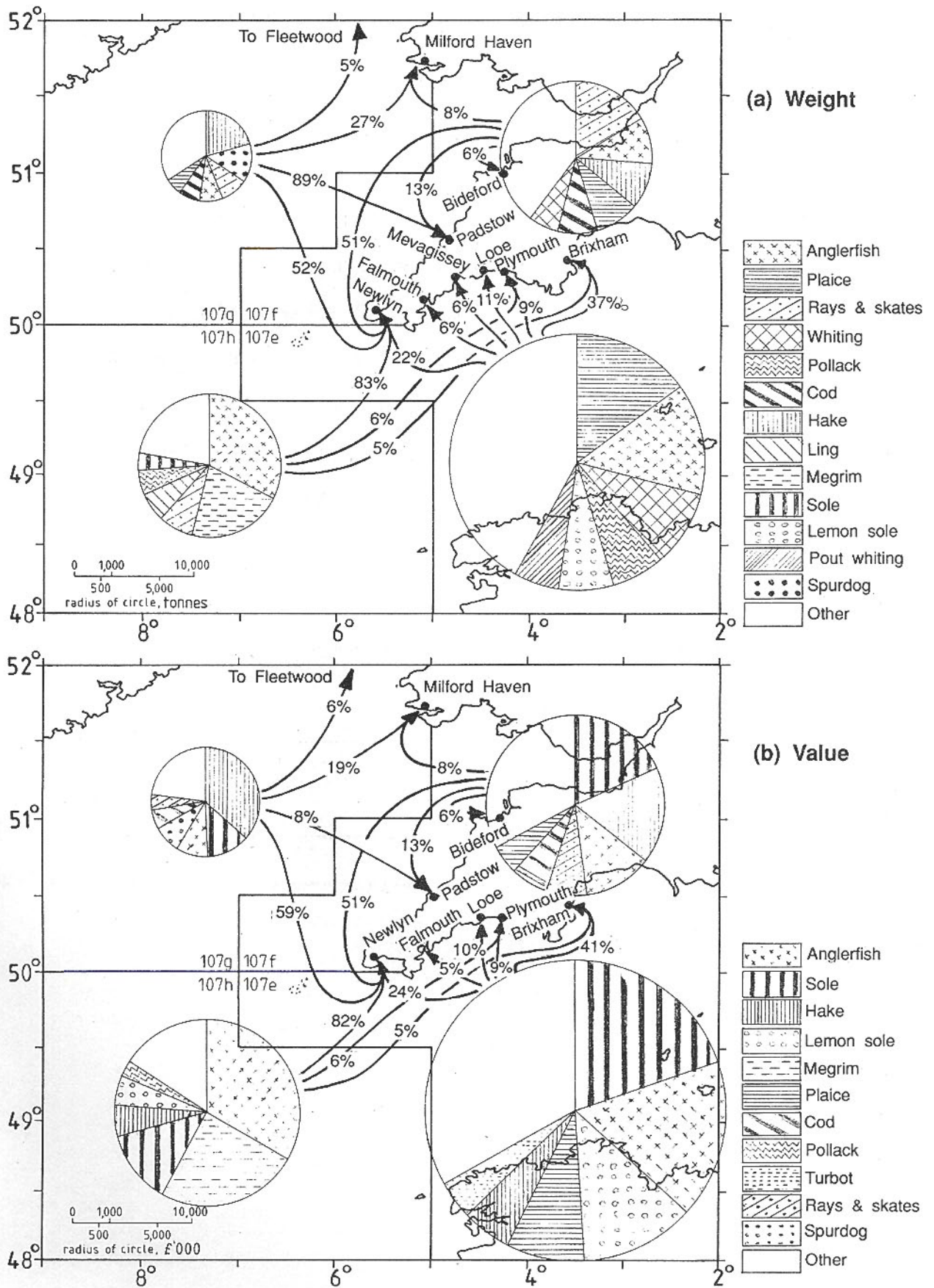


Figure 13. 1989/90 mean weight and value of demersal fish landed in England and Wales



Ministry of Agriculture, Fisheries and Food
Directorate of Fisheries Research
Fisheries Laboratory
Lowestoft
Suffolk
NR33 OHT
England

Landings into England and Wales from the UK demersal fisheries
of the Irish Sea and Western Approaches, 1979 - 1990