

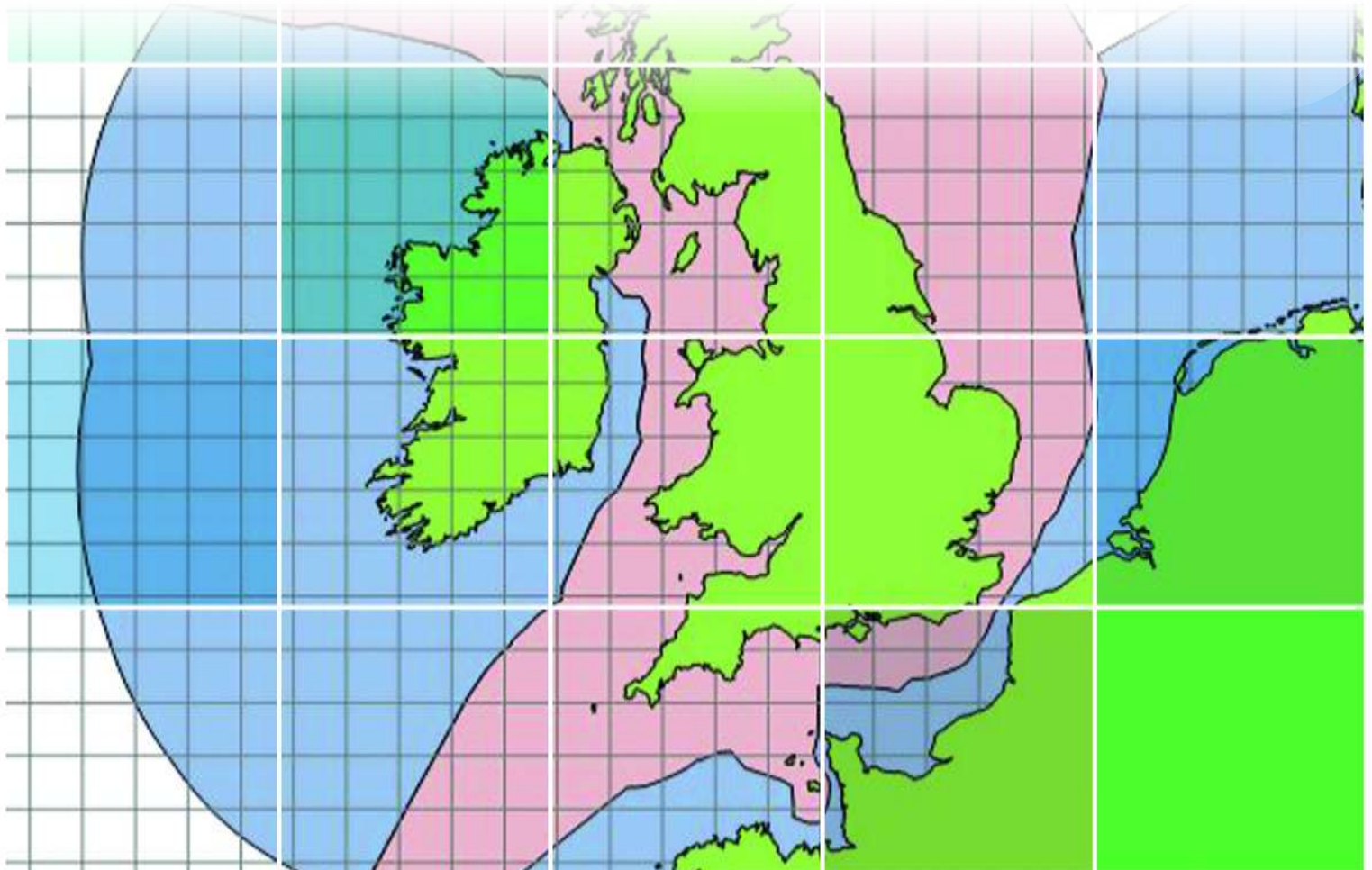


NAFC Marine Centre
University of the
Highlands and Islands

Fish Landings from the UK Exclusive Economic Zone and UK Landings from the EU EEZ

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31st January 2017



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- ◆ Corrections made to Table 12 & on page 69.

Summary

An analysis of available data has been carried out to determine how much fish and shellfish are caught within the UK's Exclusive Economic Zone (UK EEZ) by European Union fishing boats, and by UK boats in other areas of the EU EEZ.

The analysis used 'official' data published by the European Commission's Scientific, Technical and Economic Committee for Fisheries (STECF) which probably represent the most comprehensive and detailed data information that are likely to be available on the distribution of catches by EU fishing boats.

The results of the analysis indicate that over the five year period from 2011 to 2015:

- ◆ Less than half of the fish and shellfish landed from the UK EEZ by EU fishing boats (43% by weight) was caught by UK boats.
- ◆ If landings by non-EU (Faroese and Norwegian) fishing boats are included, UK boats' share of the total landings from the UK EEZ falls to less than one-third of the total (32% by weight).
- ◆ Non-UK European Union fishing boats landed about 700,000 tonnes of fish and shellfish, worth almost £530 million, from the UK EEZ each year on average.
- ◆ UK fishing boats landed 92,000 tonnes of fish and shellfish, worth about £110 million, from other areas of the EU EEZ each year on average.
- ◆ Non-UK EU fishing boats therefore landed almost eight times more fish and shellfish (by weight) from the UK EEZ than UK boats did from other areas of the EU EEZ, or almost five times more by value.

More detailed breakdowns of these results for species groups and for individual species are included in the report.

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Introduction

This analysis of available fisheries data has been carried out at the request of the Shetland Fishermen's Association (SFA) to provide detailed information on:

- ◆ The quantity of fish landed from the UK Exclusive Economic Zone (UK EEZ) by UK and other European Union fishing boats.
- ◆ The quantity of fish landed by UK fishing boats from other areas of the EU EEZ.
- ◆ The balance between UK boats' catches in the EU EEZ and EU boats' catches in the UK EEZ.

This is an updated version of a report that was published in October 2016¹, incorporating additional data that has been published since that analysis was carried out.

Exclusive Economic Zones

An Exclusive Economic Zone is a sea area defined in International Law that extends up to 200 nautical miles (371 km) from the coast. The outer limit of the EEZ, and the area of the EEZ, are sometimes referred to as the '200-mile limit' or the 'fisheries limit'. Within its EEZ a country is entitled to control the exploitation of fish and shellfish, as well as other economic resources such as oil and gas, and minerals. Under the European Common Fisheries Policy (CFP) the United Kingdom ceded control of fisheries within the UK EEZ to the European Union.

Where the Exclusive Economic Zones of two adjacent nations overlap, a Median Line is defined equidistant from the two nations' coastlines to separate their respective zones. (For example, the boundary of the UK and Norwegian EEZs is a median line drawn down the middle of the North Sea.)

The United Kingdom's Exclusive Economic Zone (Figure 1) covers an area of some 766,309 km² (compared to a land area of some 242,500 km²) and is largely bounded by median lines between the UK and other countries: Faroe, Norway and the rest of the European Union (Denmark, Germany, Holland, Belgium, France and Ireland). Only to the west of Scotland and in a small arc to the south-west of England does the UK EEZ extend to the full 200 miles.

¹ Available at: www.uhi.nafc.ac.uk/eez-reports

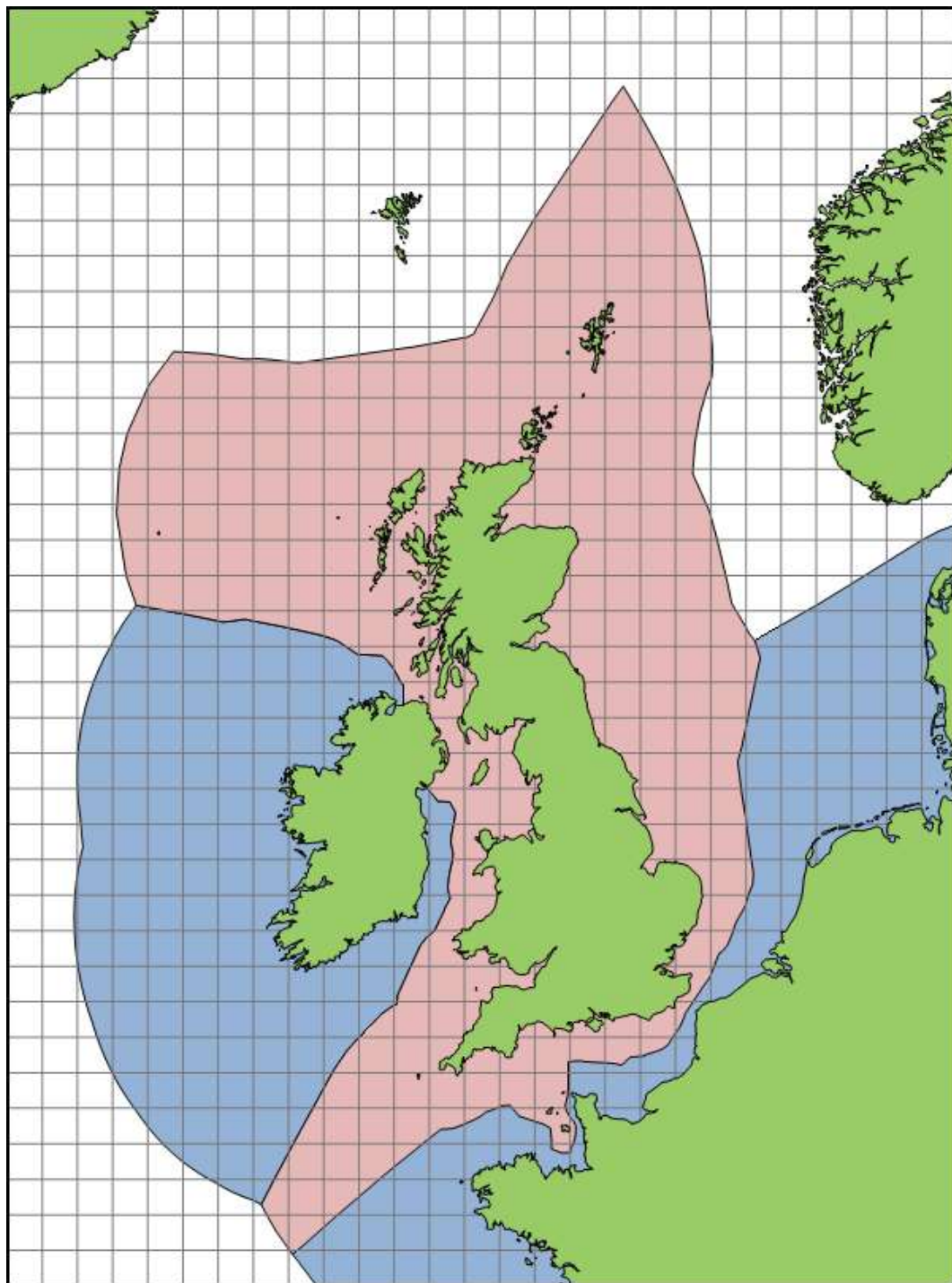


Figure 1 The United Kingdom and adjacent European Union Exclusive Economic Zones, overlain by ICES statistical rectangles. (Based on Admiralty Chart No. Q6353.)

Data & Analyses

Data

Exclusive Economic Zone

The United Kingdom's Exclusive Economic Zone was taken to be the area inside the British Fisheries Limits as shown on Admiralty Chart No. Q6353, plus the area around the Channel Islands defined in relevant legislation.

Fish Landings

The weights of fish and shellfish landed from the United Kingdom's EEZ by UK and EU fishing boats, and of fish landed by UK fishing boats from outside of the UK EEZ, were estimated from data published by the European Commission's Scientific, Technical and Economic Committee for Fisheries (STECF)¹.

These data gave the live weight of all landings from the North East Atlantic (FAO Area 27²) by UK and EU fishing boats, broken down by area, species, nationality, year and ICES statistical rectangle³. Complete data for all countries were available from 2011 to 2015.

These data did not include landings by non-European Union fishing boats (such as Faroe or Norway).

The weights of fish and shellfish landed by UK fishing boats from areas other than the North-East Atlantic were obtained from the UN Food & Agriculture Organisation's FishStatJ database⁴.

The values of landings were estimated from their weights using average values of landings in the UK of each species, calculated from data published by the UK's Marine Management Organisation (MMO)⁵. These data included the total weight and value of each species landed in the UK by UK and foreign fishing boats each year to 2014.

¹ Available through the Joint Research Centre's (JRC) Data Collection Framework data portal at: stecf.jrc.ec.europa.eu/data-dissemination

² FAO Area 27 (North-East Atlantic) encompasses all waters north of latitude 36° N (Straits of Gibraltar) and between longitudes 40° W (southern tip of Greenland) to 68°30' E (northern tip of Novaya Zemlya), excluding the Mediterranean.

³ For the purposes of fisheries data collection and reporting, the International Council for the Exploration of the Sea (ICES) divides the waters around Europe into 'statistical rectangles' (see Figure 1). These rectangles are one degree of longitude (east-west) by half a degree of latitude (north-south).

⁴ Available at: www.fao.org/fishery/statistics/software/fishstati/

⁵ Available at: www.gov.uk/government/collections/uk-sea-fisheries-annual-statistics

The MMO's data did not include weights and values for a small number of the species that were included in the STECF data, presumably because none of these were landed in the UK. These species amounted to only a few percent of the total weight landed by EU fishing boats.

Analysis

The weight of each species landed from each ICES statistical rectangle were determined from the STECF data. The value of landings of each species were estimated from their weights using average prices for landings in the UK over the period 2011 to 2014, derived from the MMO data. Total weights and values for species groups were obtained by summing the weights and values of the relevant species.

ICES rectangles were classified as being inside or outside of the United Kingdom's Exclusive Economic Zones. Where a rectangle lies partly within the UK EEZ the proportion of the area of the rectangle within the UK EEZ was estimated.

The total weight and value of each species and species group landed from the UK EEZ by UK and EU fishing boats were estimated by summing the weights landed by each from all of the statistical rectangles that fell wholly or partly within the UK EEZ. Where only part of a rectangle lay within the EEZ the proportion of the landings from that rectangle caught within the UK EEZ was assumed to be equal to the proportion of the area of the rectangle that lay within the EEZ. (For example, if 40% of the area of a rectangle lay within the UK EEZ then 40% of the weight of fish landed from that rectangle was assumed to have been caught within the EEZ, and 60% outside.)

A similar method was used to estimate the weight and value of landings by UK fishing boats from areas outside the UK EEZ.

Annual average weights and values were then determined for the five year period from 2011 to 2015.

Results

The graphs and text below generally summarise the annual average values estimated for the five year period from 2011 to 2015, but in most results for 2015 are also included in the tables.

Unless otherwise stated, references to European Union (EU) fishing boats generally exclude United Kingdom (UK) boats.

Landings from the United Kingdom's EEZ

All Fish & Shellfish

Over the five years from 2011 to 2015 it is estimated that EU and UK fishing boats landed a total of just over 1.2 million tonnes of fish and shellfish caught in the UK Exclusive Economic Zone (UK EEZ) each year, on average (Figure 2). The annual value of those landings is estimated to have averaged almost £1,200 million.

It is estimated that EU fishing boats caught well over half of the total weight of fish and shellfish landed from the UK EEZ (57%), or just under half (45%) by value (Figure 2).

By Species Group

Pelagic fish accounted for more than half of the total landings from the UK EEZ (57% by weight), demersal fish for about one-fifth (19% by weight), and shellfish and industrial fish for about one-tenth each (Figure 3, Table 1). By value, pelagic and demersal fish each accounted for just over one-third of the landings (38% and 36% respectively), shellfish one-quarter (23%), and industrial fish only 3%. These differences reflect the differing average prices of the different species groups, with shellfish having the highest unit value (price per tonne), followed by demersal and pelagic fish, and industrial fish having the lowest unit value.

There were some marked differences between the breakdowns of landings of the different species groups by UK and other EU fishing boats (Figure 4, Table 1). Both were dominated by pelagic fish, but there was a much higher proportion of industrial fish and a much lower proportion of shellfish in the landings by EU boats.

By weight, pelagic fish accounted for about half of the landings by UK boats and shellfish and demersal fish about one quarter each. Pelagic fish amounted for almost two-thirds of the landing by EU boats, with the remaining proportion almost equally divided between industrial and demersal fish.

By value, UK boats' landings were almost equally divided between pelagic, demersal and shellfish species, while EU boats' landings were almost equally divided between

demersal and pelagic fish, with shellfish and industrial fish accounting for only small proportions.

By Species

Landings of fish and shellfish by EU fishing boats from the UK EEZ were dominated by herring and mackerel, which together accounted for about half of all the landings (49% by weight), followed by sandeels, blue whiting and horse mackerel (Figure 5, Figure 6, Table 2).

Mackerel and herring also dominated the landings of EU boats by value, together accounting for 40% of the total, but were followed in value by common sole and hake (Figure 5, Figure 7, Table 2).

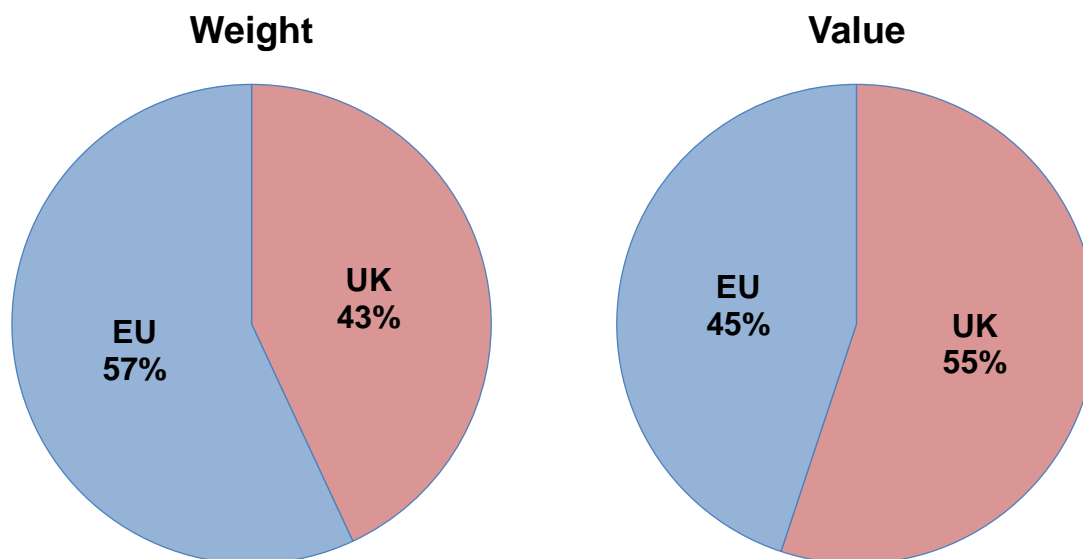
Amongst the principal species landed from the UK EEZ, EU boats' shares of the total landings varied widely between species, from as high as 100% for Norway pout and argentinines to only 20% for haddock (Figure 6). Other principal species for which EU boats accounted for a large share of the total landings included blue whiting (94% by weight), boarfish (89%), horse mackerel (82%), herring (74%), hake (67%), saithe (63%) and plaice (61%). EU boats also accounted for high proportions of the landings of some other species that were landed in smaller quantities, such as black scabbardfish (96%).

Amongst the principal species landed from the UK EEZ by value, EU boats' shares of total landings were highest for sandeels (98% by value), common sole (75%), herring (74%), hake (67%) and saithe (73%) (Figure 7). Again, EU boats also accounted for high proportions of some other species whose total values were smaller, such as, black scabbardfish (96%), blue whiting (84%) and horse mackerel (82%).

(Note: as the estimated values of landings are derived from their weights, using an average unit value, EU boats' percentage shares of total landings for individual species are the same whether expressed as weights or values.)

ALL Fish & Shellfish

Annual Average: 2011 - 2015



All Fish & Shellfish	Weight ('000 t.)		Value (£ m)	
	Wt.	%	£	%
2011 - 2015				
UK Fishing Boats	526.8	43%	£644.9	55%
EU Fishing Boats	696.7	57%	£526.4	45%
Total	1,223.4	100%	£1,171	100%
2015				
UK Fishing Boats	554.8	44%	£643.8	57%
EU Fishing Boats	706.8	56%	£493.0	43%
Total	1,262	100%	£1,137	100%

Figure 2 Breakdowns of the estimated weights and values of all fish and shellfish landed from the UK EEZ by UK and EU fishing boats: Annual average landings from 2011 – 2015, and (in table) in 2015.

ALL Fish & Shellfish

UK & EU Fishing Boats

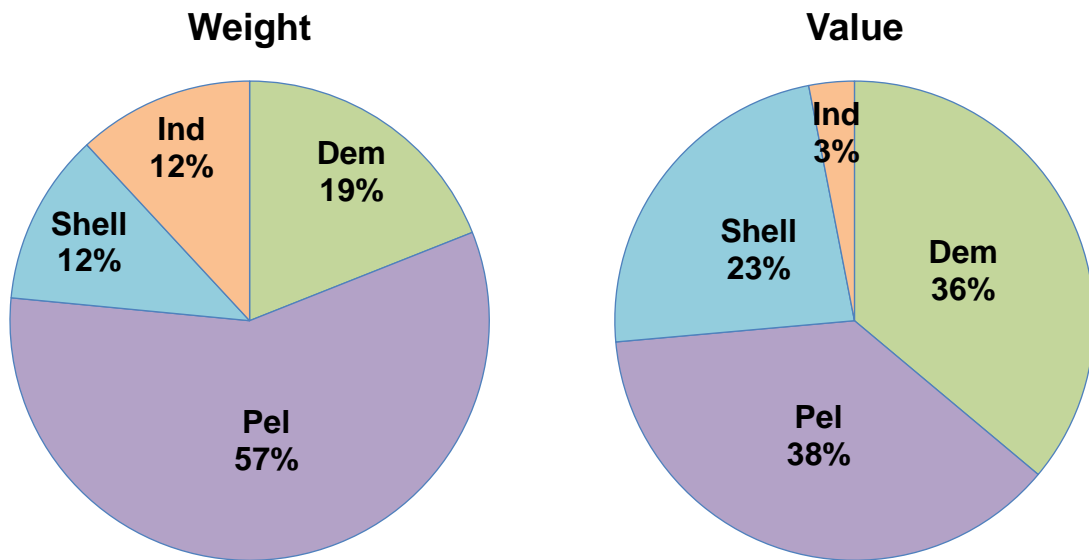
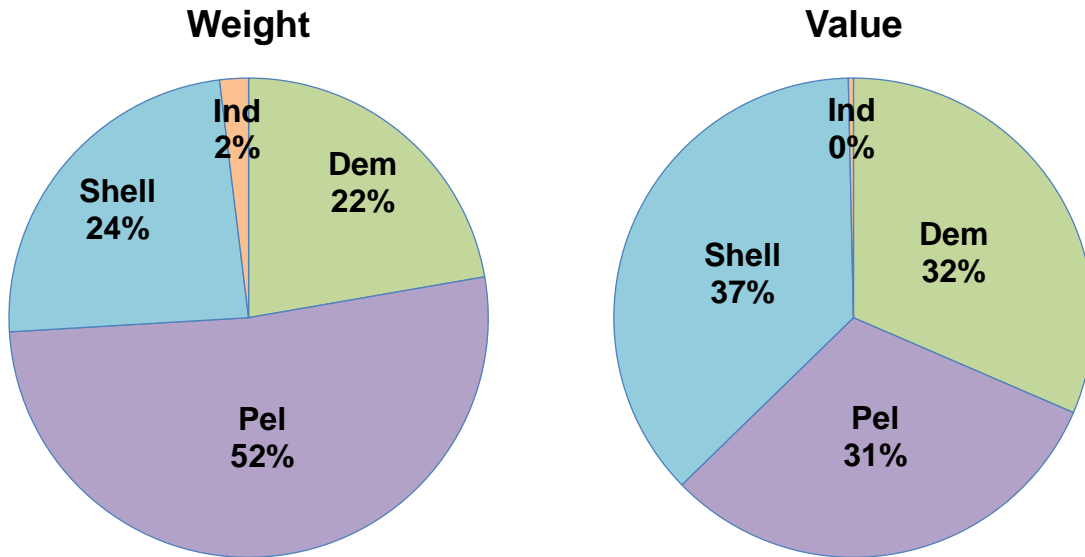


Figure 3 Breakdowns of the estimated weights and values of fish and shellfish landed from the UK EEZ by all European Union fishing boats (including UK boats). Annual average landings from 2011 to 2015 (for detailed figures see Table 1).

ALL Fish & Shellfish

UK Fishing Boats



EU Fishing Boats

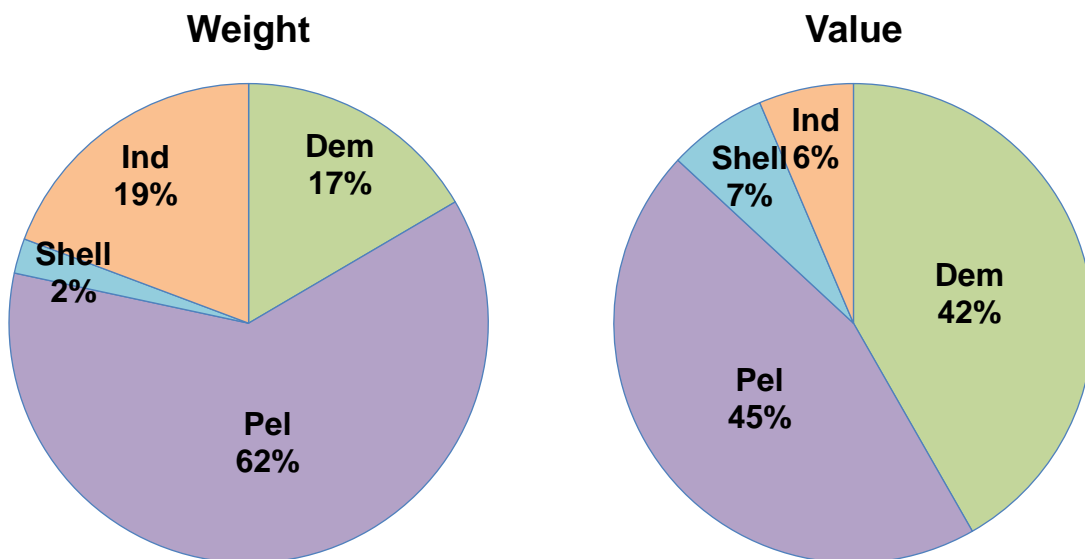


Figure 4 Breakdowns of the estimated weights and values of fish and shellfish landed from the UK EEZ by UK (top) and other EU fishing boats (bottom). Annual average landings from 2011 to 2015 (for detailed figures see Table 1).

Table 1 The estimated weights and values of fish and shellfish landed from the UK EEZ by UK and EU fishing boats, by species group. Annual average landings from 2011 to 2015 (top) and in 2015 (bottom).

Annual Average: 2011 - 2015

	Weight ('000 tonnes)						Value (£ million)					
	UK Boats		EU Boats		Total		UK Boats		EU Boats		Total	
	Wt.	%	Wt.	%	Wt.	%	£.	%	£	%	£	%
Demersal	115	22%	115	17%	231	19%	£203	31%	£220	42%	£423	36%
Pelagic	266	51%	427	61%	693	57%	£201	31%	£238	45%	£439	37%
All Finfish	381	72%	542	78%	924	76%	£405	63%	£458	87%	£863	74%
Shellfish	123	23%	16	2%	140	11%	£240	37%	£36	7%	£275	23%
Industrial	9	2%	132	19%	141	12%	£2	0%	£33	6%	£35	3%
TOTAL	527	100%	697	100%	1,223	100%	£646	100%	£527	100%	£1,173	100%

2015

	Weight ('000 tonnes)						Value (£ million)					
	UK Boats		EU Boats		Total		UK Boats		EU Boats		Total	
	Wt.	%	Wt.	%	Wt.	%	£.	%	£	%	£	%
Demersal	118	21%	117	17%	236	19%	£213	31%	£216	40%	£429	35%
Pelagic	302	54%	505	71%	807	64%	£225	33%	£274	50%	£499	41%
All Finfish	420	76%	623	88%	1,043	83%	£437	64%	£490	90%	£928	76%
Shellfish	129	23%	21	3%	149	12%	£241	35%	£42	8%	£284	23%
Industrial	6	1%	63	9%	69	5%	£1	0%	£12	2%	£13	1%
TOTAL	555	100%	707	100%	1,262	100%	£680	100%	£545	100%	£1,225	100%

All Fish & Shellfish

EU Fishing Boats

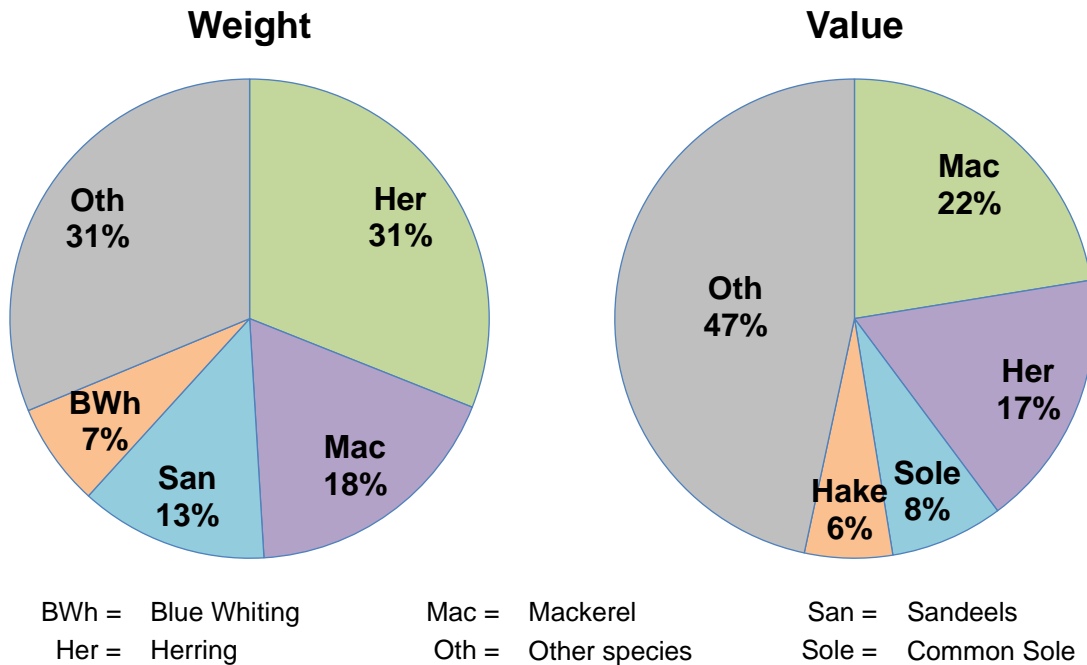


Figure 5 Breakdowns of the estimated weights and values of the principal fish and shellfish species landed from the UK EEZ by EU fishing boats. (Annual average landings from 2011 to 2015. See Table 3 for detailed values.)

All Fish & Shellfish

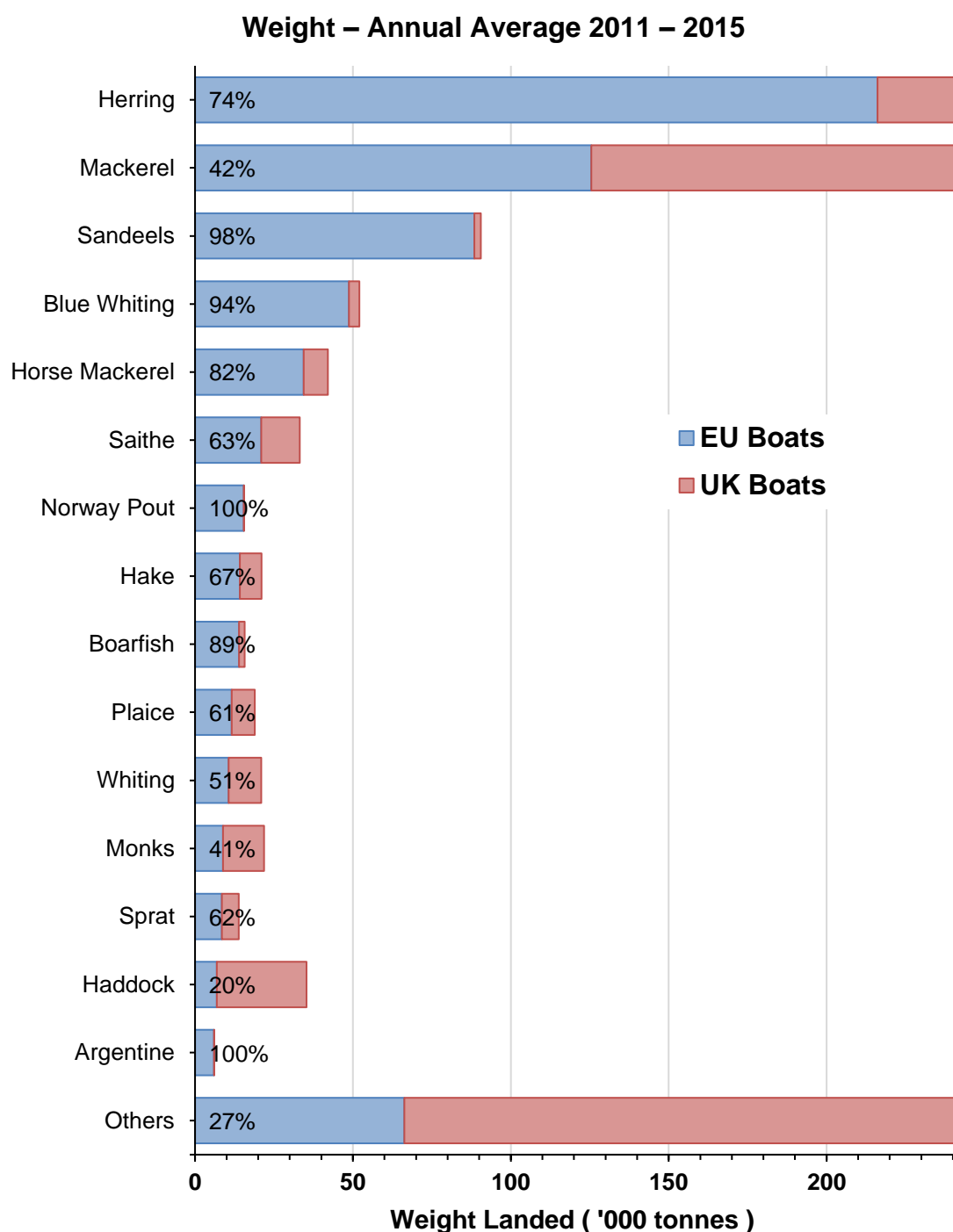


Figure 6 The estimated weights of the principal fish and shellfish species landed from the UK EEZ by EU and UK fishing boats, ranked by the weight landed by EU boats. Percentages show weight landed by EU boats as % of the total landed. NOTE: Total weights for herring, mackerel and others exceed the scale shown. (Annual average landings from 2011 to 2015. See Table 2 for detailed values.)

Landings from the United Kingdom's EEZ

All Fish & Shellfish

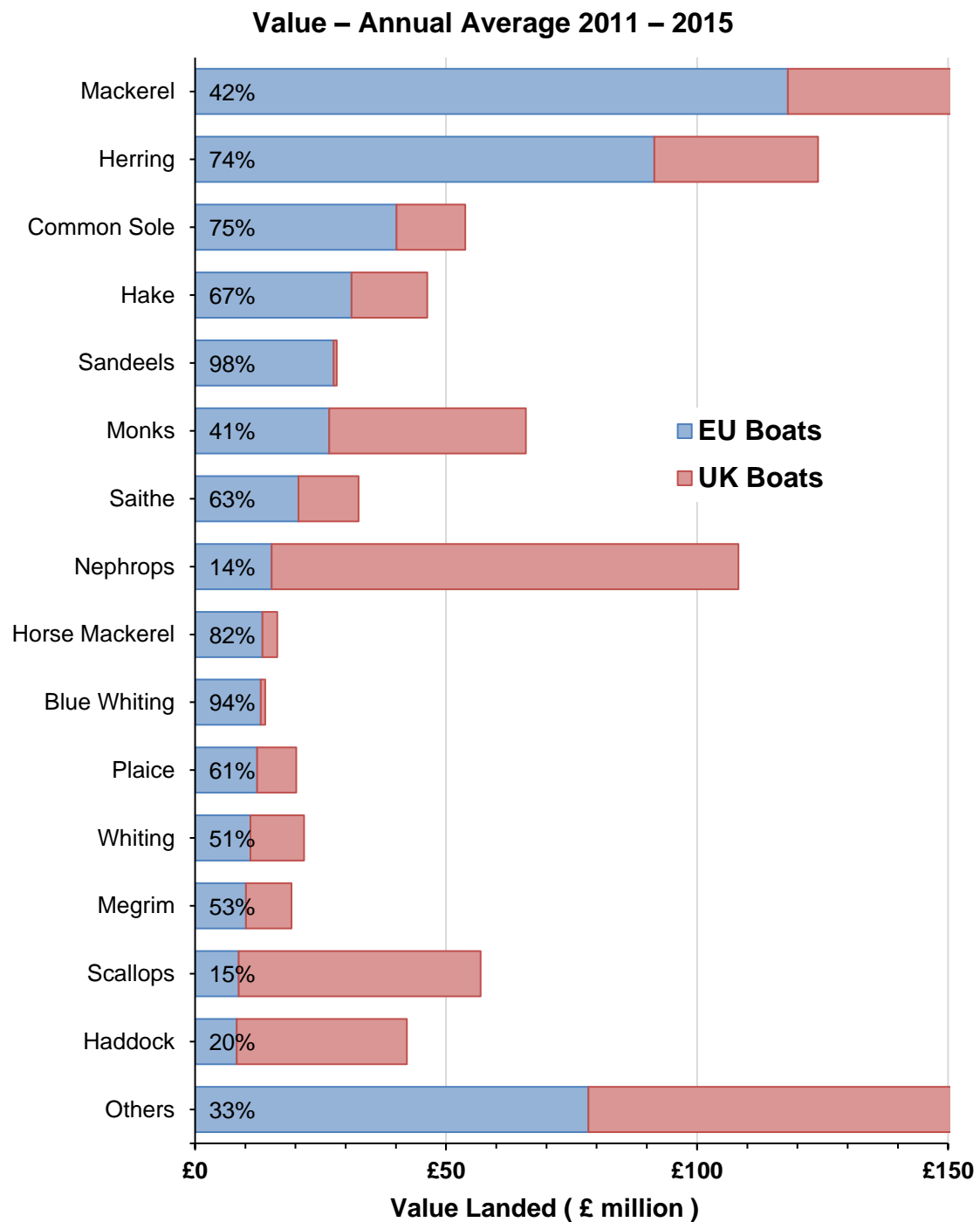


Figure 7 The estimated values of the principal fish and shellfish species landed from the UK EEZ by EU and UK fishing boats, ranked by the value landed by EU boats. Percentages show value landed by EU boats as % of the total landed. NOTE: Totals for mackerel and others exceed the scale shown. (Annual average landings from 2011 to 2015. See Table 2 for detailed values.)

Table 2 The estimated weights and values of the principal fish and shellfish species landed from the UK EEZ by UK and EU fishing boats from 2011 to 2015. Top-20 species landed by weight, plus other species from top-20 landed by value. (Annual average landings from 2011 to 2015.)

ALL Fish & Shellfish: Annual Average 2011 – 2015

	Weight ('000 tonnes)						Value (£ million)					
	UK Boats		EU Boats		Total		UK Boats		EU Boats		Total	
	Wt.	%	Wt.	%	Wt.	%	£.	%	£	%	£	%
Mackerel	£174	33%	£126	18%	£299	24%	£164	25%	£118	22%	£282	24%
Herring	77.1	15%	£216	31%	£293	24%	£32.6	5%	£91.5	17%	£124	11%
Sandeels	2.0	0%	88.5	13%	90.5	7%	£0.6	0%	£27.6	5%	£28.2	2%
Blue Whiting	3.3	1%	48.7	7%	52.1	4%	£0.9	0%	£13.1	2%	£14.0	1%
Horse Mackerel	7.7	1%	34.4	5%	42.1	3%	£3.0	0%	£13.4	3%	£16.4	1%
Haddock	28.4	5%	6.9	1%	35.3	3%	£33.9	5%	£8.3	2%	£42.2	4%
Nephrops	28.8	5%	4.7	1%	33.6	3%	£93.0	14%	£15.2	3%	£108.2	9%
Saithe	12.1	2%	21.0	3%	33.1	3%	£11.9	2%	£20.6	4%	£32.5	3%
Scallops	26.9	5%	4.8	1%	31.7	3%	£48.2	7%	£8.7	2%	£56.9	5%
Edible Crab	26.9	5%	1.7	0%	28.6	2%	£34.0	5%	£2.2	0%	£36.2	3%
Monks	13.0	2%	8.9	1%	21.8	2%	£39.2	6%	£26.7	5%	£65.9	6%
Hake	6.9	1%	14.2	2%	21.1	2%	£15.1	2%	£31.2	6%	£46.3	4%
Whiting	10.3	2%	10.6	2%	21.0	2%	£10.7	2%	£11.0	2%	£21.7	2%
Plaice	7.3	1%	11.6	2%	18.9	2%	£7.8	1%	£12.3	2%	£20.1	2%
Whelks	17.7	3%	1.0	0%	18.6	2%	£12.6	---	£0.7	---	£13.3	---
Others	12.9	2%	5.6	1%	18.4	2%						
Boarfish	1.8	0%	13.9	2%	15.7	1%	£0.2	0%	£1.3	0%	£1.5	0%
Cod	11.4	2%	4.2	1%	15.6	1%	£22.3	3%	£8.2	2%	£30.5	3%
Norway Pout	0.0	0%	15.4	2%	15.4	1%	£0.0	0%	£1.3	0%	£1.3	0%
Sprat	5.3	1%	8.5	1%	13.9	1%	£1.1	0%	£1.7	0%	£2.8	0%
Common Sole	1.8	0%	5.4	1%	7.2	1%	£13.7	2%	£40.2	8%	£53.8	5%
Megrim	3.5	1%	3.9	1%	7.5	1%	£9.1	1%	£10.1	2%	£19.2	2%
Lobsters	2.5	0%	0.0	0%	2.5	0%	£24.6	4%	£0.3	0%	£24.9	2%
Bass	0.8	0%	0.9	0%	1.7	0%	£5.7	1%	£6.6	1%	£12.3	1%
Other Species	44.6	8%	40.1	6%	84.6	7%	£61.3	10%	£56.1	11%	£117.4	10%
TOTAL	527	100%	697	100%	1,223	100%	£645	100%	£526	100%	£1,171	100%

Landings from the United Kingdom's EEZ

Table 3 The estimated weights and values of the principal fish and shellfish landed from the UK EEZ by UK and EU fishing boats in 2015. Top-20 species landed by weight, plus other species from top-20 landed by value.

ALL Fish & Shellfish:

2015

	Weight ('000 tonnes)						Value (£ million)					
	UK Boats		EU Boats		Total		UK Boats		EU Boats		Total	
	Wt.	%	Wt.	%	Wt.	%	£.	%	£	%	£	%
Mackerel	192	35%	140	20%	332	26%	£155	24%	£113	23%	£268	24%
Herring	90.0	16%	238	34%	328	26%	£24.9	4%	£66	13%	£91	8%
Blue Whiting	10.2	2%	95.9	14%	106	8%	£1.3	0%	£12.5	3%	£13.9	1%
Saithe	11.8	2%	22.5	3%	34.3	3%	£11.5	2%	£21.9	4%	£33.4	3%
Haddock	25.9	5%	5.0	1%	30.8	2%	£35.9	6%	£6.9	1%	£42.8	4%
Scallops	25.9	5%	4.0	1%	29.9	2%	£48.9	8%	£7.5	2%	£56.4	5%
Nephrops	24.2	4%	4.4	1%	28.6	2%	£78.2	12%	£14.2	3%	£92.4	8%
Edible Crab	27.1	5%	1.4	0%	28.5	2%	£35.4	6%	£1.9	0%	£37.3	3%
Horse Mackerel	5.8	1%	22.7	3%	28.4	2%	£2.6	0%	£10.1	2%	£12.7	1%
Monks	15.9	3%	9.3	1%	25.1	2%	£43.2	7%	£25.2	5%	£68.4	6%
Hake	8.4	2%	14.4	2%	22.8	2%	£20.1	3%	£34.3	7%	£54.4	5%
Whelks	20.5	4%	2.3	0%	22.8	2%	£16.9	3%	£1.9	0%	£18.7	2%
Norway Pout	0.0	0%	21.0	3%	21.0	2%	£0.0	0%	£1.9	0%	£1.9	0%
Whiting	10.2	2%	10.1	1%	20.3	2%	£10.7	2%	£10.6	2%	£21.3	2%
Plaice	7.4	1%	11.1	2%	18.5	1%	£6.8	1%	£10.3	2%	£17.2	2%
Sandeels	2.0	0%	16.4	2%	18.4	1%	£4.6	1%	£37.7	8%	£42.3	4%
Sprat	3.7	1%	13.7	2%	17.5	1%	£0.8	0%	£3.0	1%	£3.8	0%
Cod	12.9	2%	3.9	1%	16.8	1%	£25.5	4%	£7.7	2%	£33.1	3%
Queens	9.0	2%	1.7	0%	10.7	1%	£4.3	1%	£0.8	0%	£5.2	0%
Cuttlefish	5.9	1%	2.8	0%	8.7	1%	£12.4	2%	£5.9	1%	£18.3	2%
Megrim	3.3	1%	3.4	0%	6.7	1%	£8.3	1%	£8.4	2%	£16.7	1%
Common Sole	1.5	0%	4.7	1%	6.2	0%	£7.6	1%	£23.3	5%	£30.9	3%
Squid	1.9	0%	2.3	0%	4.2	0%	£6.1	1%	£7.1	1%	£13.3	1%
Lobsters	3.1	1%	0.1	0%	3.2	0%	£30.6	5%	£0.7	0%	£31.3	3%
Other Species	36.5	7%	55.9	8%	92.4	7%	£52.3	8%	£60.1	12%	£112.4	10%
TOTAL	555	100%	707	100%	1,262	100%	£644	100%	£493	100%	£1,137	100%

Demersal Fish

Over the five years from 2011 to 2015 it is estimated that EU and UK fishing boats landed almost 230,000 tonnes of demersal fish caught in the UK Exclusive Economic Zone (UK EEZ) each year, on average (Figure 8). The annual value of those landings is estimated to have averaged just over £420 million.

By weight, it is estimated that EU fishing boats accounted for exactly half (50%) of the demersal fish landed from the UK EEZ, and by value slightly more than half (52%) (Figure 8).

By Species

EU fishing boats landed a relatively large variety of demersal species from the UK EEZ, with no single species dominant. Saithe and hake together accounted for about one quarter of the landings, by weight, and plaice whiting and saithe another quarter (Figure 9, Figure 10, Table 4).

By value, common sole accounted for the largest proportion of landings, followed by hake, monks and saithe, together accounting for about half of the total (Figure 9, Figure 11, Table 4).

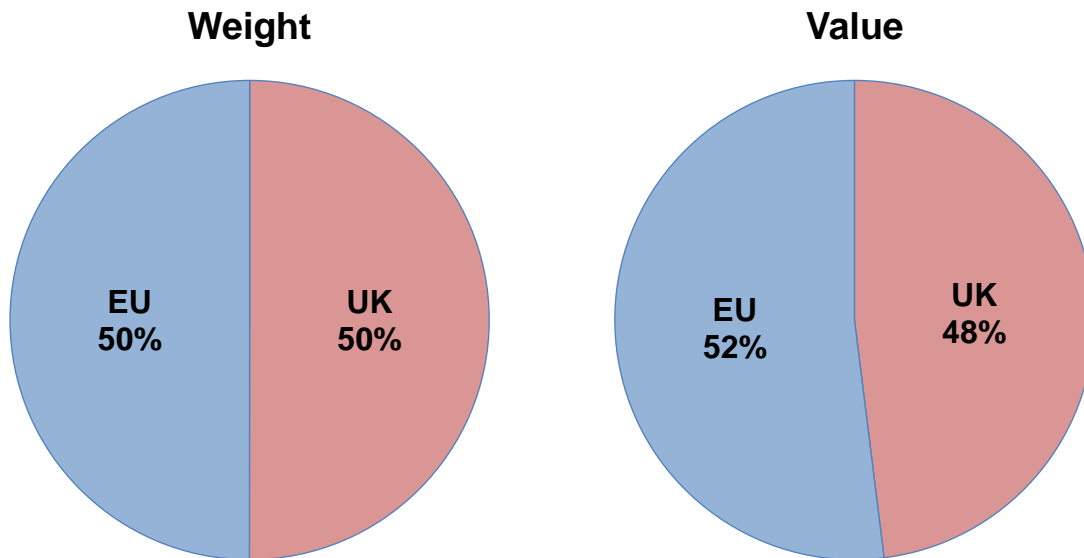
Amongst the principal demersal species landed from the UK EEZ, EU boats' shares of the total landings varied widely, from as high as 99% by weight for roundnose grenadier and 96% for black scabbardfish, down to 27% for cod and 20% for haddock (Figure 10).

By value, amongst the principal species landed from the UK EEZ, EU boats' shares were highest again for black scabbardfish (96% by value) and for common sole (75%), and lowest for cod (27%) and haddock (20%).

(Note: as the estimated values of landings are derived from their weights, using an average unit value, EU boats' percentage shares of total landings for individual species are the same whether expressed as weights or values.)

Demersal Fish

Annual Average: 2011 - 2015



Demersal Fish	Weight ('000 t.)		Value (£ m)	
2011 - 2015	Wt.	%	£	%
UK Fishing Boats	114.5	50%	£203.0	48%
EU Fishing Boats	114.4	50%	£219.7	52%
Total	228.8	100%	£422.8	100%
2015	Wt.	%	£	%
UK Fishing Boats	117.9	50%	£207.0	51%
EU Fishing Boats	115.5	50%	£198.8	49%
Total	233.4	100%	£405.8	100%

Figure 8 Breakdowns of the estimated weights and values of demersal fish landed from the UK EEZ by UK and EU fishing boats: Annual average landings from 2011 – 2015, and (in table) in 2015.

Demersal Fish

EU Fishing Boats

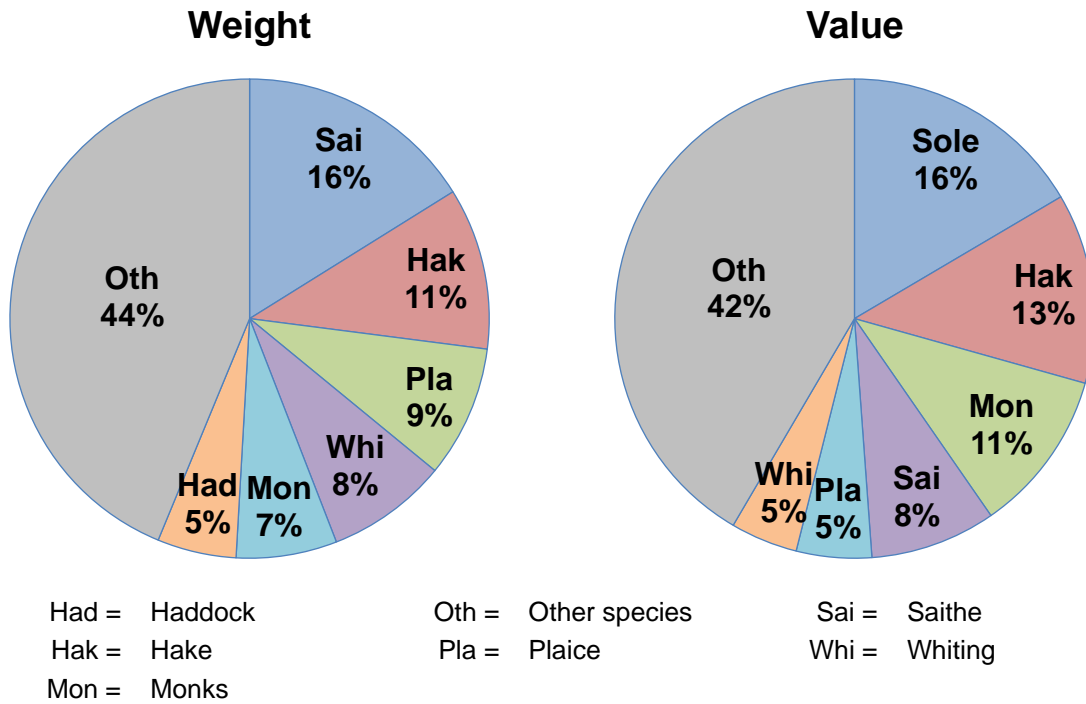


Figure 9 Breakdowns of the estimated weights and values of the principal demersal species landed from the UK EEZ by EU fishing boats. (Annual average landings from 2011 to 2015. See Table 3 for detailed values.)

Demersal Fish

Weight – Annual Average 2011 – 2015

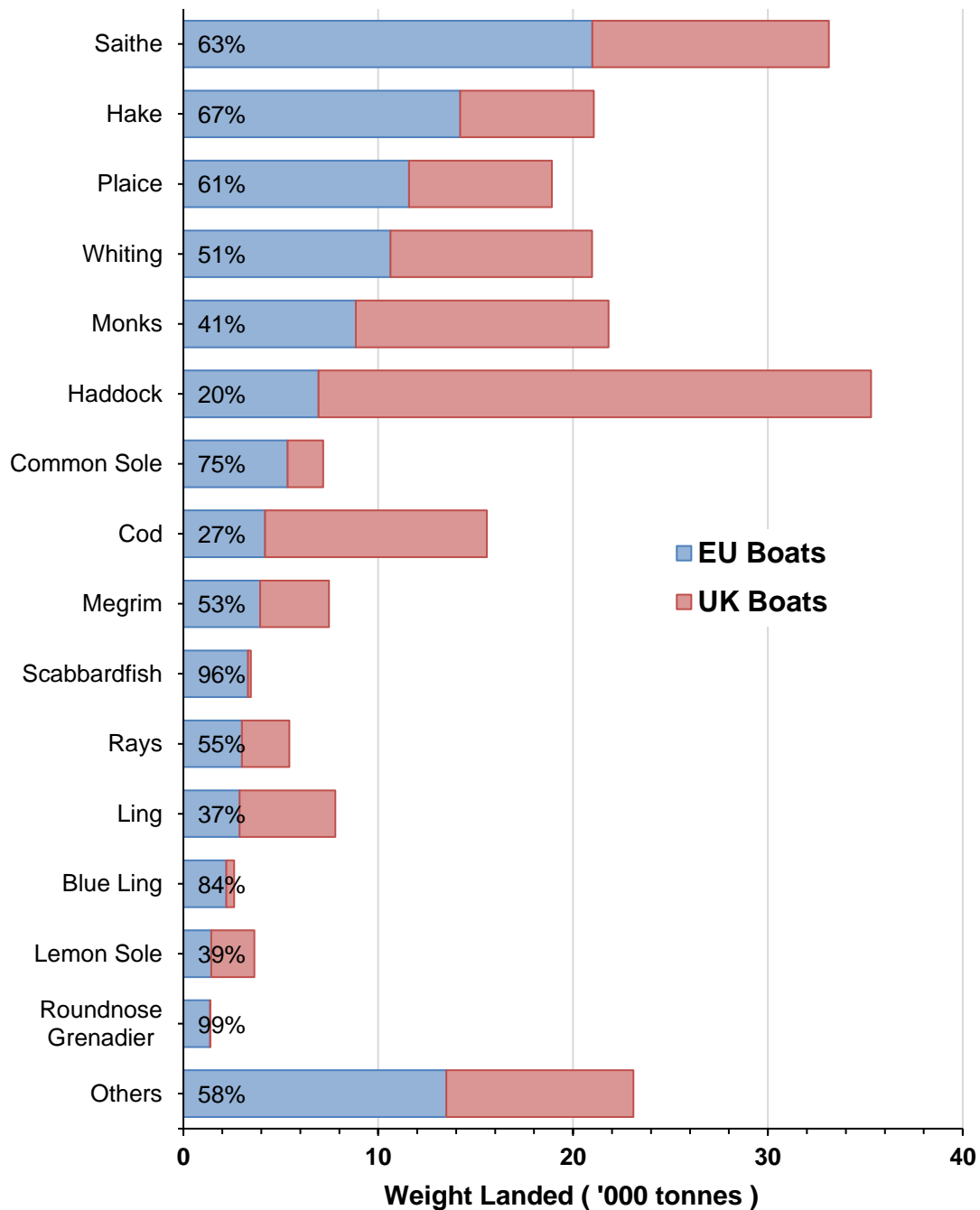


Figure 10 The estimated weights of the principal demersal species landed from the UK EEZ by EU and UK fishing boats, ranked by the weight landed by EU boats. Percentages show weight landed by EU boats as % of the total landed. (Annual average landings from 2011 to 2015. See Table 4 for detailed values.)

Demersal Fish

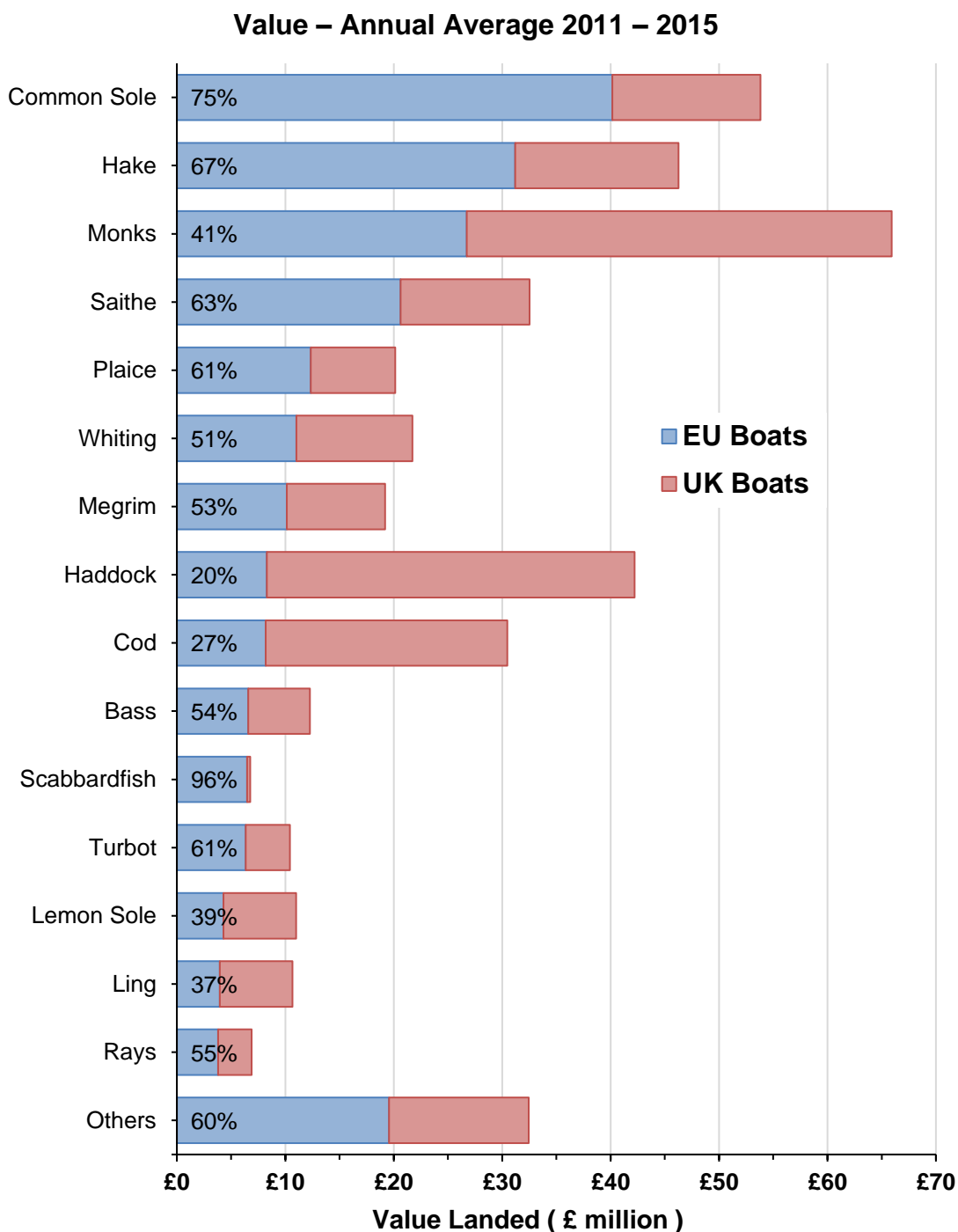


Figure 11 The estimated values of the principal demersal species landed from the UK EEZ by EU and UK, ranked by the value landed by EU boats. Percentages show weight landed by EU boats as % of the total landed. (Annual average landings from 2011 to 2015. See Table 4 for detailed values.)

Landings from the United Kingdom's EEZ

Table 4 The estimated weights and values of the principal demersal species landed from the UK EEZ by UK and EU fishing boats from 2011 to 2015. Top-20 species landed by weight, plus other species from top-20 landed by value. (Annual average landings from 2011 to 2015.)

Demersal Fish: Annual Average 2011 – 2015

	Weight ('000 tonnes)						Value (£ million)					
	UK Boats		EU Boats		Total		UK Boats		EU Boats		Total	
	Wt.	%	Wt.	%	Wt.	%	£.	%	£	%	£	%
Haddock	28.4	25%	6.9	6%	35.3	15%	£33.9	17%	£8.3	4%	£42.2	10%
Saithe	12.1	11%	21.0	18%	33.1	14%	£11.9	6%	£20.6	9%	£32.5	8%
Monks	13.0	11%	8.9	8%	21.8	10%	£39.2	19%	£26.7	12%	£65.9	16%
Hake	6.9	6%	14.2	12%	21.1	9%	£15.1	7%	£31.2	14%	£46.3	11%
Whiting	10.3	9%	10.6	9%	21.0	9%	£10.7	5%	£11.0	5%	£21.7	5%
Plaice	7.3	6%	11.6	10%	18.9	8%	£7.8	4%	£12.3	6%	£20.1	5%
Cod	11.4	10%	4.2	4%	15.6	7%	£22.3	11%	£8.2	4%	£30.5	7%
Ling	4.9	4%	2.9	3%	7.8	3%	£6.7	3%	£4.0	2%	£10.7	3%
Megrim	3.5	3%	3.9	3%	7.5	3%	£9.1	4%	£10.1	5%	£19.2	5%
Common Sole	1.8	2%	5.4	5%	7.2	3%	£13.7	7%	£40.2	18%	£53.8	13%
Rays	2.4	2%	3.0	3%	5.4	2%	£3.1	2%	£3.8	2%	£6.9	2%
Lemon Sole	2.2	2%	1.4	1%	3.6	2%	£6.7	3%	£4.3	2%	£11.0	3%
Scabbardfish	0.1	0%	3.3	3%	3.5	2%	£0.3	0%	£6.5	3%	£6.8	2%
Blue Ling	0.4	0%	2.2	2%	2.6	1%	£0.5	0%	£2.9	1%	£3.5	1%
Pollack	1.7	2%	0.8	1%	2.5	1%	£0.5	0%	£2.9	1%	£3.5	1%
Gurnards	1.1	1%	0.9	1%	2.0	1%	£0.9	0%	£0.7	0%	£1.5	0%
Bass	0.8	1%	0.9	1%	1.7	1%	£5.7	3%	£6.6	3%	£12.3	3%
Witch	0.7	1%	0.8	1%	1.5	1%	£0.9	0%	£0.9	0%	£1.7	0%
R'ndnose Gren'	0.0	0%	1.4	1%	1.4	1%	£0.0	0%	£1.6	1%	£1.6	0%
Turbot	0.5	0%	0.8	1%	1.3	1%	£4.1	2%	£6.3	3%	£10.4	2%
Gr'n'l'nd Halibut	0.2	0%	0.1	0%	0.3	0%	£0.5	0%	£0.4	0%	£0.8	0%
John Dory	0.2	0%	0.3	0%	0.5	0%	£0.9	0%	£1.6	1%	£2.5	1%
Red Mullet	0.2	0%	0.3	0%	0.5	0%	£1.3	1%	£1.8	1%	£3.1	1%
Other Species	4.0	3%	8.6	8%	12.5	5%	£7.4	4%	£7.3	3%	£14.7	3%
TOTAL	114	100%	114	100%	229	100%	£203	100%	£220	100%	£423	100%

Table 5 The estimated weights and values of the principal demersal species landed from the UK EEZ by UK and EU fishing boats in 2015. Top-20 species landed by weight, plus other species from top-20 landed by value.

Demersal Fish:
2015

	Weight ('000 tonnes)						Value (£ million)					
	UK Boats		EU Boats		Total		UK Boats		EU Boats		Total	
	Wt.	%	Wt.	%	Wt.	%	£.	%	£	%	£	%
Saithe	11.8	10%	22.5	19%	34.3	15%	£11.5	6%	£21.9	11%	£33.4	8%
Haddock	25.9	22%	5.0	4%	30.8	13%	£35.9	17%	£6.9	3%	£42.8	11%
Monks	15.9	13%	9.3	8%	25.1	11%	£43.2	21%	£25.2	13%	£68.4	17%
Hake	8.4	7%	14.4	12%	22.8	10%	£20.1	10%	£34.3	17%	£54.4	13%
Whiting	10.2	9%	10.1	9%	20.3	9%	£10.7	5%	£10.6	5%	£21.3	5%
Plaice	7.4	6%	11.1	10%	18.5	8%	£6.8	3%	£10.3	5%	£17.2	4%
Cod	12.9	11%	3.9	3%	16.8	7%	£25.5	12%	£7.7	4%	£33.1	8%
Ling	4.8	4%	2.2	2%	7.0	3%	£6.0	3%	£2.7	1%	£8.7	2%
Megrim	3.3	3%	3.4	3%	6.7	3%	£8.3	4%	£8.4	4%	£16.7	4%
Rays	2.6	2%	3.9	3%	6.4	3%	£2.4	1%	£3.6	2%	£6.0	1%
Common Sole	1.5	1%	4.7	4%	6.2	3%	£7.6	4%	£23.3	12%	£30.9	8%
Scabbardfish	0.2	0%	3.3	3%	3.6	2%	£0.4	0%	£5.6	3%	£6.0	1%
Gurnards	1.0	1%	2.1	2%	3.0	1%	£0.7	0%	£1.5	1%	£2.3	1%
Lemon Sole	1.9	2%	1.1	1%	2.9	1%	£5.5	3%	£3.2	2%	£8.7	2%
Blue Ling	0.8	1%	1.9	2%	2.6	1%	£1.1	1%	£2.7	1%	£3.8	1%
Catsharks	0.0	0%	2.5	2%	2.5	1%	£1.1	1%	£2.7	1%	£3.8	1%
Pollack	1.5	1%	0.5	0%	2.1	1%	£2.7	1%	£0.9	0%	£3.6	1%
Tub Gurnard	0.2	0%	1.4	1%	1.6	1%	£0.1	0%	£0.5	0%	£0.6	0%
Red Mullet	0.5	0%	1.0	1%	1.5	1%	£3.2	2%	£7.0	4%	£10.1	2%
Spotted Dogfish	1.3	1%	0.1	0%	1.4	1%	£0.2	0%	£0.0	0%	£0.2	0%
Turbot	0.6	0%	0.8	1%	1.3	1%	£4.0	2%	£5.5	3%	£9.5	2%
Bass	0.7	1%	0.5	0%	1.2	1%	£4.7	2%	£3.8	2%	£8.5	2%
John Dory	0.2	0%	0.8	1%	1.0	0%	£1.1	1%	£3.6	2%	£4.6	1%
Brill	0.0	0%	0.6	1%	0.6	0%	£0.1	0%	£2.9	1%	£3.0	1%
Other Species	4.4	4%	8.5	7%	12.9	6%	£4.1	2%	£4.0	2%	£8.1	2%
TOTAL	118	100%	115	100%	233	100%	£207	100%	£199	100%	£406	100%

Pelagic Fish

Over the five years from 2011 to 2015 it is estimated that EU and UK fishing boats landed a total of more than 690,000 tonnes of pelagic fish caught in the UK Exclusive Economic Zone (UK EEZ) each year, on average (Figure 12). The annual value of those landings is estimated to have averaged almost £440 million.

By weight, it is estimated that almost two-thirds (62%) of the pelagic fish landed from the UK EEZ were caught by EU fishing boats (Figure 12), or more than half (54%) by value.

By Species

Landings of pelagic fish from the UK EEZ by EU fishing boats were dominated by herring, which accounted for half of the landings by weight, and mackerel which accounted for half of the landings by value (Figure 13, Figure 14, Figure 15, Table 6).

Together these two species accounted for the vast majority of the pelagic fish landed by EU boats from the UK EEZ (80% by weight, 88% by value) (Figure 13, Figure 15, Table 6).

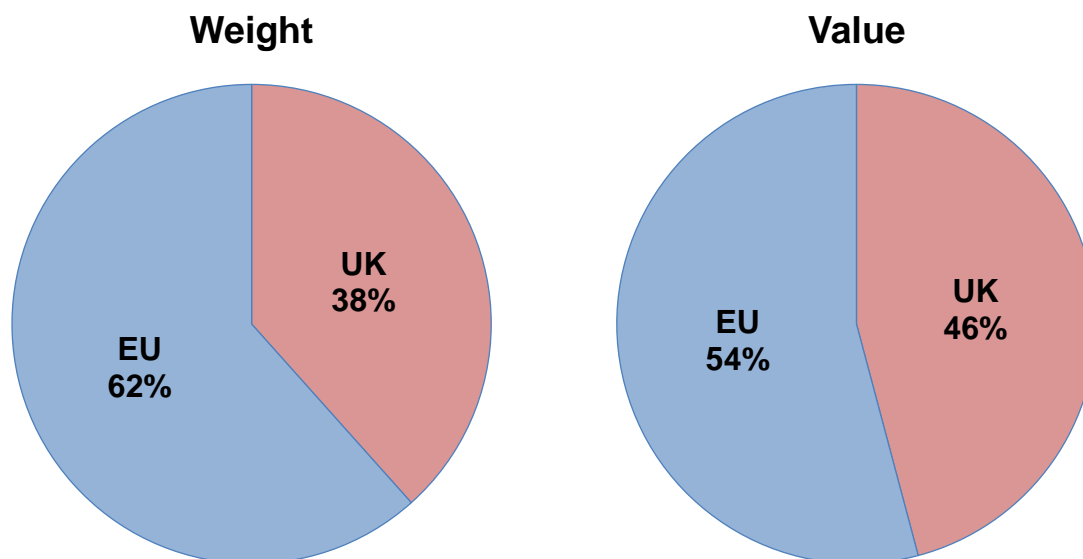
The only other pelagic species landed by EU boats from the UK EEZ in any quantity were blue whiting and horse mackerel (Figure 13, Figure 14).

EU fishing boats accounted for at least three-quarters of the total landings from the UK EEZ of all the principal pelagic species, except mackerel (Figure 14, Figure 15), with their share ranging from 74% for herring to 82% for horse mackerel, and 94% for blue whiting.

(Note: as the estimated values of landings are derived from their weights using an average unit value, EU boats' percentage shares of total landings for individual species are the same whether expressed as weights or values.)

Pelagic Fish

Annual Average: 2011 - 2015

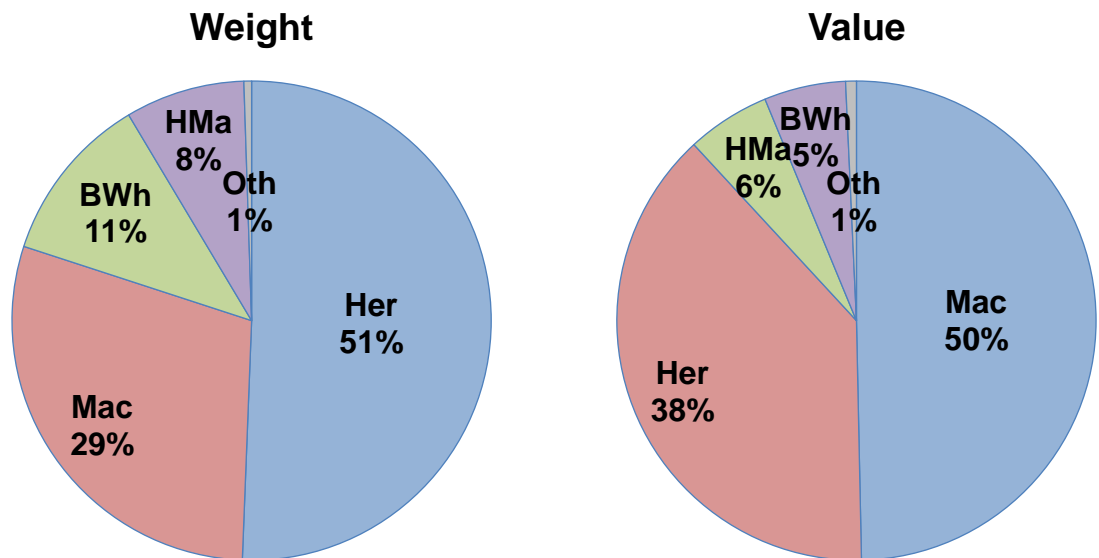


Pelagic Fish	Weight ('000 t.)		Value (£ m)	
	Wt.	%	£	%
2011 - 2015				
UK Fishing Boats	266.1	38%	£201.4	46%
EU Fishing Boats	427.0	62%	£237.8	54%
Total	693.1	100%	£439.1	100%
2015				
UK Fishing Boats	301.9	37%	£184.6	47%
EU Fishing Boats	505.2	63%	£209.2	53%
Total	807.1	100%	£393.8	100%

Figure 12 Breakdowns of the estimated weights and values of pelagic fish landed from the UK EEZ by UK and EU fishing boats: Annual average landings from 2011 – 2015, and (in table) in 2015.

Pelagic Fish

EU Fishing Boats



BWh = Blue Whiting
Mac = Mackerel

Her = Herring
Oth = Other species

HMa = Horse Mackerel

=

Figure 13 Breakdowns of the estimated weights and values of the principal pelagic species landed from the UK EEZ by EU fishing boats. (Annual average landings from 2011 to 2015. See Table 6 for detailed values.)

Pelagic Fish

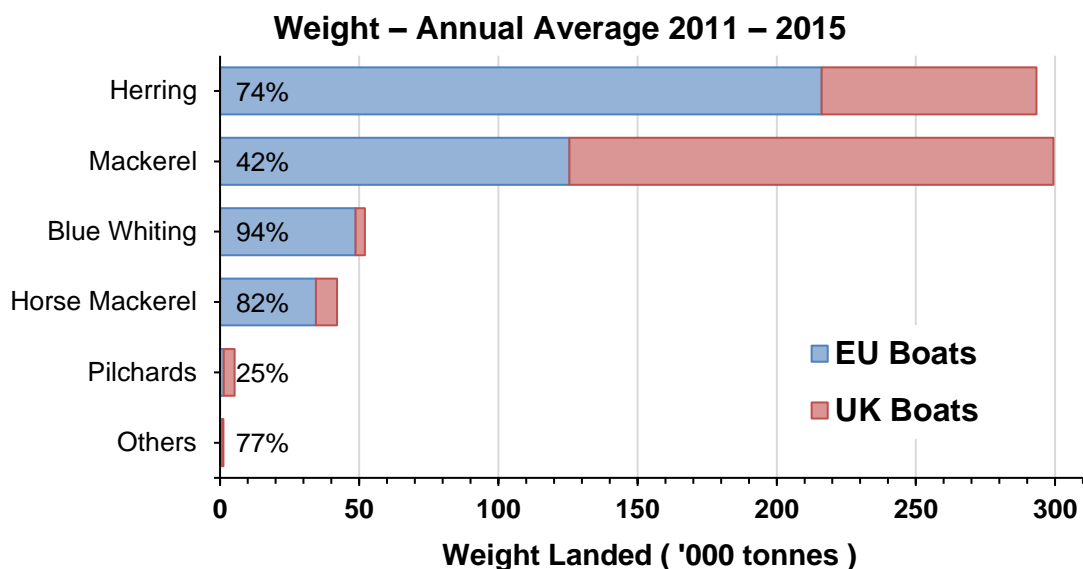


Figure 14 The estimated weights of the principal pelagic species landed from the UK EEZ by UK and EU fishing boats, ranked by the weight landed by EU boats. Percentages show weight landed by EU boats as % of the total landed. (Annual average landings from 2011 to 2015. See Table 6 for detailed values.)

Pelagic Fish

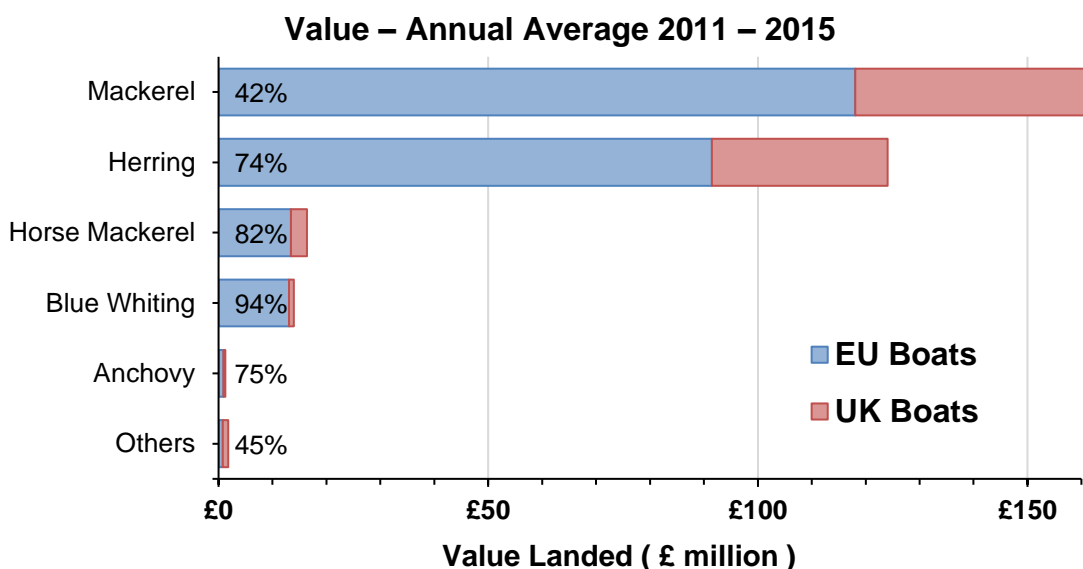


Figure 15 The estimated values of the principal pelagic fish landed from the UK EEZ by UK and EU fishing boats, ranked by the value landed by EU boats. Percentages show weight landed by EU boats as % of the total landed. NOTE: The total for mackerel exceeds the scale shown. (Annual average landings from 2011 to 2015. See Table 6 for detailed values.)

Landings from the United Kingdom's EEZ

Table 6 The estimated weights and values of the principal pelagic fish landed from the UK EEZ by UK and EU fishing boats from 2011 to 2015. Top-5 species landed by weight. (Annual average landings from 2011 to 2015.)

Pelagic Fish: Annual Average 2011 – 2015

	Weight ('000 tonnes)						Value (£ million)					
	UK Boats		EU Boats		Total		UK Boats		EU Boats		Total	
	Wt.	%	Wt.	%	Wt.	%	£.	%	£	%	£	%
Mackerel	174	£1	126	£0	299.4	43%	£164	81%	£118	50%	£282	64%
Herring	77.1	29%	216	£1	293.3	42%	£32.6	16%	£91.5	38%	£124.1	28%
Blue Whiting	3.3	1%	48.7	11%	52.1	8%	£0.9	0%	£13.1	6%	£14.0	3%
Horse Mackerel	7.7	3%	34.4	8%	42.1	6%	£3.0	1%	£13.4	6%	£16.4	4%
Pilchards	3.9	1%	1.3	0%	5.2	1%	£1.0	0%	£0.3	0%	£1.3	0%
Other Species	0.3	0%	0.9	0%	1.2	0%	£0.3	0%	£1.4	1%	£1.7	0%
TOTAL	266	100%	427	100%	693	100%	£201	100%	£238	100%	£439	100%

Table 7 The estimated weights and values of the principal pelagic fish landed from the UK EEZ by UK and EU fishing boats in 2015. Top-5 species landed by weight.

Pelagic Fish: 2015

	Weight ('000 tonnes)						Value (£ million)					
	UK Boats		EU Boats		Total		UK Boats		EU Boats		Total	
	Wt.	%	Wt.	%	Wt.	%	£.	%	£	%	£	%
Mackerel	192	63%	140	28%	332	41%	£155	84%	£113	54%	£268	68%
Herring	90.0	30%	238	47%	328	41%	£24.9	14%	£66	31%	£91	23%
Blue Whiting	10.2	3%	95.9	19%	106	13%	£1.3	1%	£12.5	6%	£13.9	4%
Horse Mackerel	5.8	2%	22.7	4%	28.4	4%	£2.6	1%	£10.1	5%	£12.7	3%
Pilchards	4.3	1%	4.3	1%	8.5	1%	£1.0	1%	£1.0	0%	£2.0	1%
Other Species	0.0	0%	4.3	1%	4.3	1%	£0.1	0%	£6.6	3%	£6.7	2%
TOTAL	302	100%	505	100%	807	100%	£185	100%	£209	100%	£394	100%

All Finfish

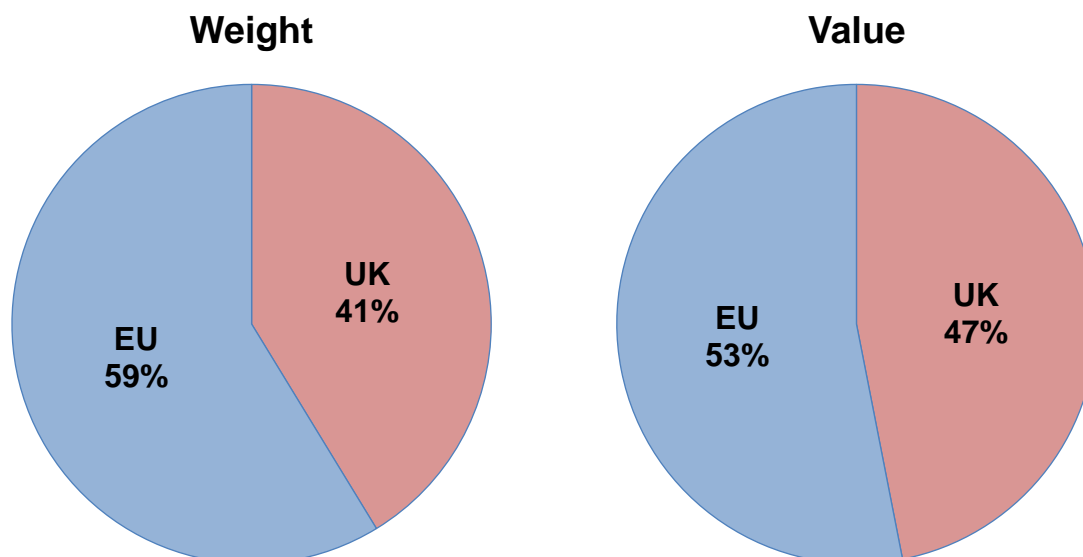
In total, it is estimated that on average EU and UK fishing boats landed a total of more than 920,000 tonnes of finfish (demersal + pelagic fish) annually from the UK Exclusive Economic Zone (UK EEZ) (Figure 16). The annual value of those landings is estimated to have averaged just over £860 million per year.

It is estimated that EU fishing boats accounted for more than half of those landings (59% by weight, 53% by value) (Figure 16).

(More detailed information about the landings of demersal and pelagic fish from the UK EEZ are available in the preceding sections.)

All Finfish

Annual Average: 2011 - 2015



All Finfish	Weight ('000 t.)		Value (£ m)	
2011 - 2015	Wt.	%	£	%
UK Fishing Boats	380.6	41%	£404.4	47%
EU Fishing Boats	541.4	59%	£457.5	53%
Total	922.0	100%	£861.9	100%
2015	Wt.	%	£	%
UK Fishing Boats	419.8	40%	£391.6	49%
EU Fishing Boats	620.7	60%	£408.0	51%
Total	1,040.5	100%	£799.6	100%

Figure 16 Breakdowns of the estimated weights and values of all finfish (demersal + pelagic fish) landed from the UK EEZ by UK and EU fishing boats: Annual average landings from 2011 – 2015, and (in table) in 2015.

Shellfish

Over the five years from 2011 to 2015 it is estimated that EU and UK fishing boats landed a total of about 140,000 tonnes of shellfish caught in the UK Exclusive Economic Zone (UK EEZ) each year, on average (Figure 17). The annual value of those landings is estimated to have averaged about £275 million.

Only a small proportion of the shellfish landed from the UK EEZ were caught by EU fishing boats; the vast majority (88% by weight, 87% by value) were landed by UK boats (Figure 17).

By Species

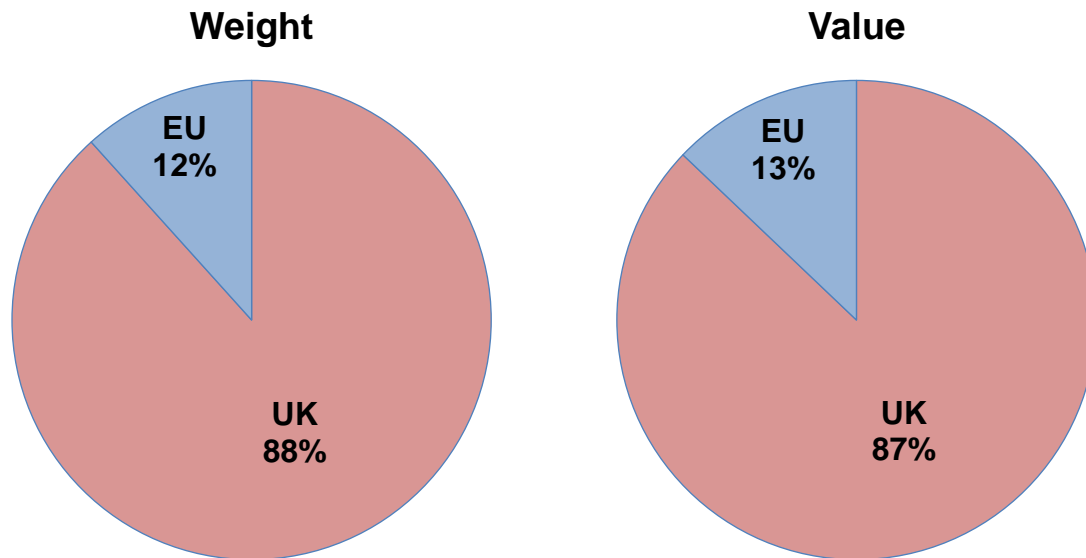
The principal shellfish species landed from the UK EEZ by EU fishing boats were scallops and nephrops, which together accounted for 59% of the landings by weight and 68% by value (Figure 18, Figure 19, Figure 20, Table 8). The two other principal shellfish species landed from the UK EEZ by EU fishing boats were edible crabs and squid.

For most shellfish species, EU boats' share of the totals landed from the UK EEZ were relatively small; generally less than 20% (Figure 19, Figure 20).

(Note: as the estimated values of landings are derived from their weights using an average unit value, EU boats' percentage shares of total landings for individual species are the same whether expressed as weights or values.)

Shellfish

Annual Average: 2011 - 2015



Shellfish	Weight ('000 t.)		Value (£ m)	
2011 - 2015	Wt.	%	£	%
UK Fishing Boats	123.3	88%	£239.8	87%
EU Fishing Boats	16.3	12%	£35.6	13%
Total	139.6	100%	£275.4	100%
2015	Wt.	%	£	%
UK Fishing Boats	128.6	86%	£246.6	86%
EU Fishing Boats	20.7	14%	£41.6	14%
Total	149.3	100%	£288.2	100%

Figure 17 Breakdowns of the estimated weights and values of shellfish landed from the UK EEZ by UK and EU fishing boats: Annual average landings from 2011 – 2015, and (in table) in 2015.

Shellfish

EU Fishing Boats

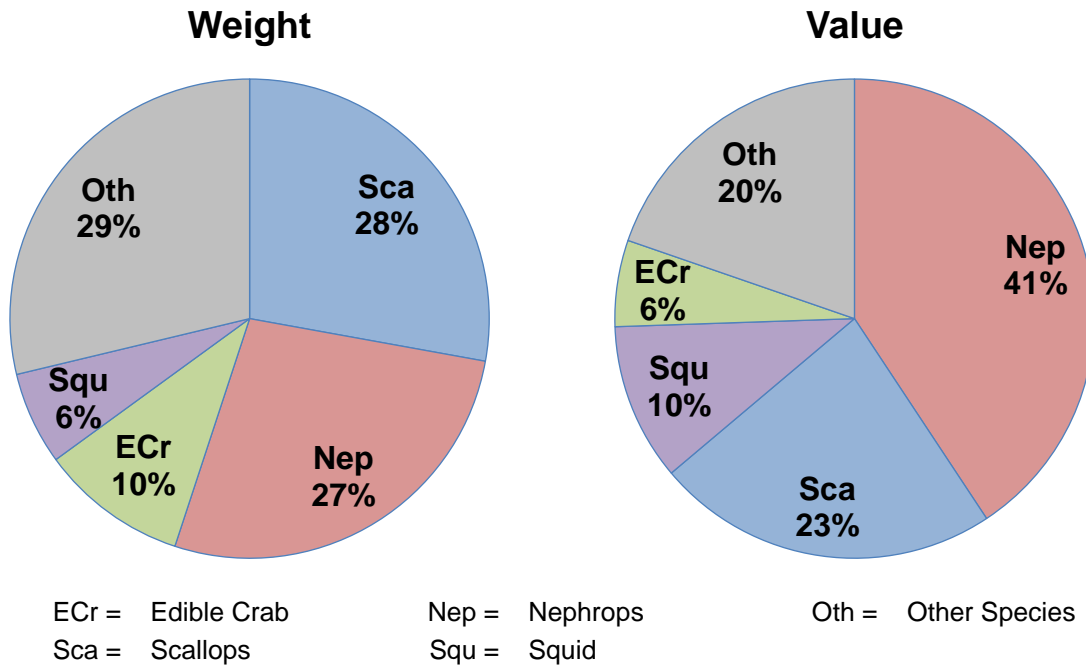


Figure 18 Breakdowns of the estimated weights and values of the principal shellfish species landed from the UK EEZ by EU fishing boats. (Annual average landings from 2011 to 2015. See Table 8 for detailed values.)

Shellfish

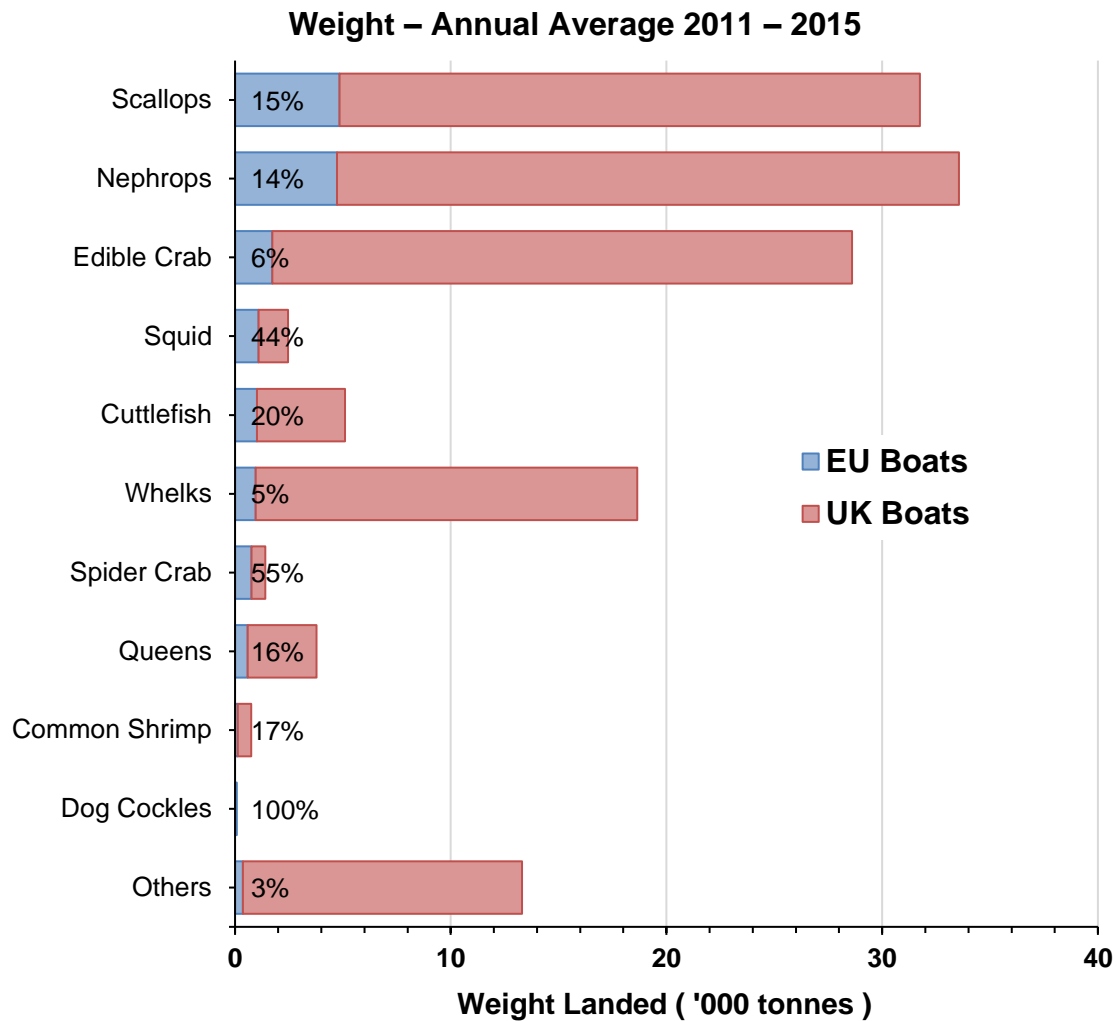


Figure 19 The estimated weights of the principal shellfish species landed from the UK EEZ by EU and UK fishing boats, ranked by the weight landed by EU boats. Percentages show weight landed by EU boats as % of the total landed. (Annual average landings from 2011 to 2015. See Table 8 for detailed values.)

Shellfish

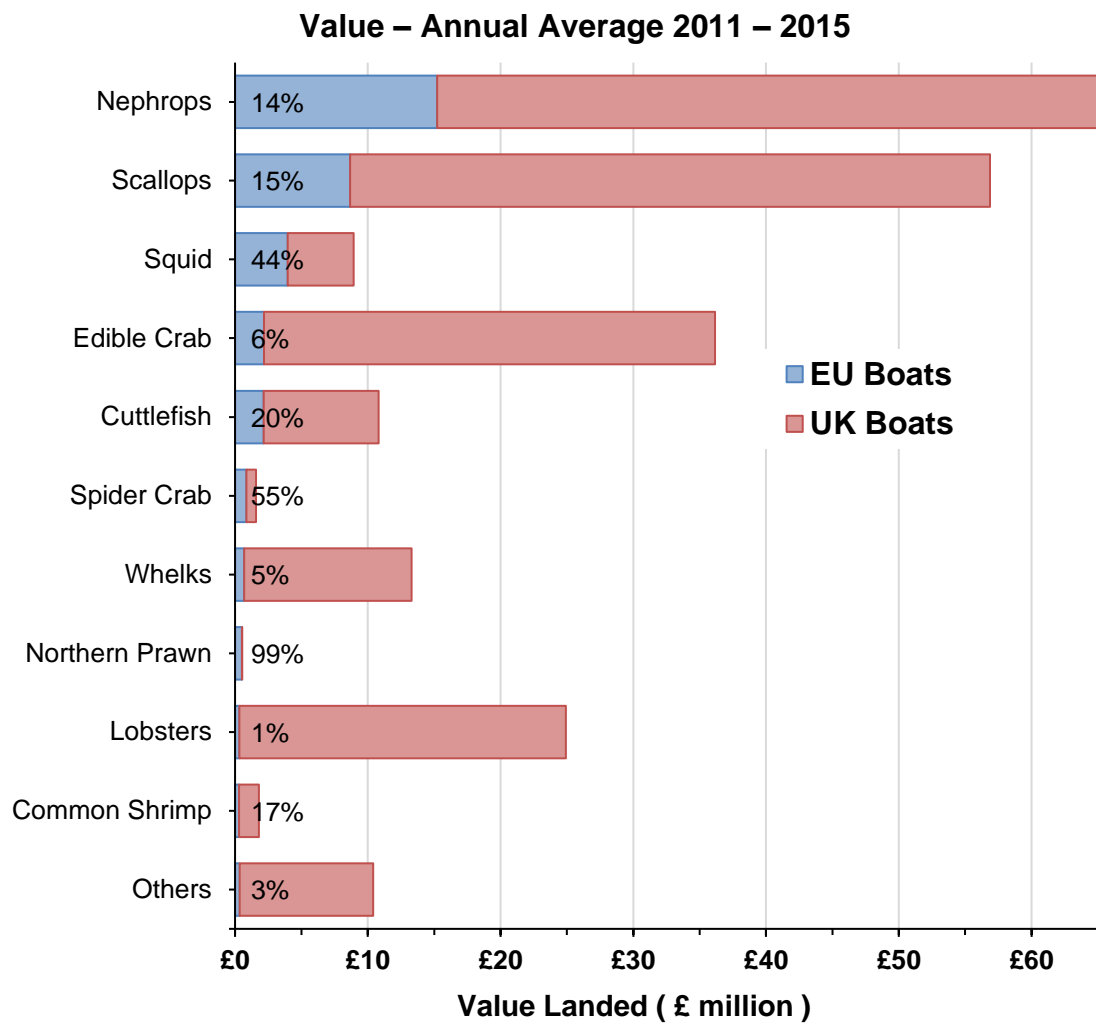


Figure 20 The estimated values of the principal shellfish species landed from the UK EEZ by EU and UK fishing boats, ranked by the value landed by EU boats. Percentages show value landed by EU boats as % of the total landed. NOTE: The total value for nephrops exceeds the scale shown. (Annual average landings from 2011 to 2015. See Table 8 for detailed values.)

Landings from the United Kingdom's EEZ

Table 8 The estimated weights and values of the principal shellfish species landed from the UK EEZ by UK and EU fishing boats from 2011 to 2015. Top-15 species landed by weight. (Annual average landings from 2011 to 2015.)

	Weight ('000 tonnes)						Value (£ million)					
	UK Boats		EU Boats		Total		UK Boats		EU Boats		Total	
	Wt.	%	Wt.	%	Wt.	%	£.	%	£	%	£	%
Nephrops	28.8	23%	4.7	29%	33.6	24%	£93.0	39%	£15.2	43%	£108.2	40%
Scallops	26.9	22%	4.8	30%	31.7	23%	£48.2	20%	£8.7	25%	£56.9	21%
Edible Crab	26.9	22%	1.7	11%	28.6	21%	£34.0	14%	£2.2	6%	£36.2	13%
Whelks	17.7	14%	1.0	6%	18.6	13%	£12.6	5%	£0.7	2%	£13.3	5%
Cuttlefish	4.1	3%	1.0	6%	5.1	4%	£8.7	4%	£2.2	6%	£10.8	4%
Cockles	4.6	4%	0.0	0%	4.6	3%	£3.1	1%	£0.0	0%	£3.1	1%
Blue Mussels	4.1	3%	0.0	0%	4.1	3%	£1.0	0%	£0.0	0%	£1.0	0%
Queens	3.2	3%	0.6	4%	3.8	3%	£1.3	1%	£0.2	1%	£1.6	1%
Lobsters	2.5	2%	0.0	0%	2.5	2%	£24.6	10%	£0.3	1%	£24.9	9%
Squid	1.4	1%	1.1	7%	2.4	2%	£5.0	2%	£4.0	11%	£8.9	3%
Spider Crab	0.6	1%	0.8	5%	1.4	1%	£0.7	0%	£0.9	2%	£1.6	1%
Velvet Crab	0.9	1%	0.0	0%	0.9	1%	£2.2	1%	£0.0	0%	£2.2	1%
Com'n Shrimp	0.6	1%	0.1	1%	0.7	1%	£1.5	1%	£0.3	1%	£1.8	1%
Octopus	0.2	0%	0.1	0%	0.3	0%	£0.2	0%	£0.0	0%	£0.2	0%
Manilla Clam	0.2	0%	0.0	0%	0.2	0%	£0.6	0%	£0.0	0%	£0.6	0%
Other Species	0.5	0%	0.3	2%	0.8	1%	£1.8	1%	£0.6	2%	£2.4	1%
TOTAL	123	100%	16	100%	139	100%	£238	100%	£35	100%	£274	100%

Table 9 The estimated weights and values of the principal shellfish landed from the UK EEZ by UK and EU fishing boats in 2015. Top-15 species landed by weight.

	Weight ('000 tonnes)						Value (£ million)					
	UK Boats		EU Boats		Total		UK Boats		EU Boats		Total	
	Wt.	%	Wt.	%	Wt.	%	£.	%	£	%	£	%
Scallops	25.9	20%	4.0	19%	29.9	20%	£48.9	20%	£7.5	18%	£56.4	20%
Nephrops	24.2	19%	4.4	21%	28.6	19%	£78.2	32%	£14.2	34%	£92.4	32%
Edible Crab	27.1	21%	1.4	7%	28.5	19%	£35.4	14%	£1.9	5%	£37.3	13%
Whelks	20.5	16%	2.3	11%	22.8	15%	£16.9	7%	£1.9	4%	£18.7	6%
Queens	9.0	7%	1.7	8%	10.7	7%	£4.3	2%	£0.8	2%	£5.2	2%
Cuttlefish	5.9	5%	2.8	14%	8.7	6%	£12.4	5%	£5.9	14%	£18.3	6%
Cockles	6.5	5%	0.0	0%	6.5	4%	£5.0	2%	£0.0	0%	£5.0	2%
Squid	1.9	2%	2.3	11%	4.2	3%	£6.1	2%	£7.1	17%	£13.3	5%
Lobsters	3.1	2%	0.1	0%	3.2	2%	£30.6	12%	£0.7	2%	£31.3	11%
Velvet Crab	1.7	1%	0.0	0%	1.7	1%	£4.1	2%	£0.0	0%	£4.1	1%
Spider Crab	0.4	0%	0.9	4%	1.3	1%	£0.4	0%	£0.9	2%	£1.2	0%
Blue Mussels	0.7	1%	0.1	1%	0.8	1%	£0.2	0%	£0.0	0%	£0.2	0%
Com'n Shrimp	0.3	0%	0.1	1%	0.4	0%	£0.7	0%	£0.3	1%	£1.0	0%
Manilla Clam	0.4	0%	0.0	0%	0.4	0%	£0.9	0%	£0.0	0%	£0.9	0%
Razor Clams	0.3	0%	0.0	0%	0.3	0%	£1.2	0%	£0.0	0%	£1.2	0%
Other Species	0.4	0%	0.7	3%	1.1	1%	£1.3	1%	£0.4	1%	£1.7	1%
TOTAL	128	100%	21	100%	149	100%	£247	100%	£42	100%	£288	100%

Industrial Fish

Over the five years from 2011 to 2015 it is estimated that EU and UK fishing boats landed a total of just over 140,000 tonnes of industrial fish caught in the UK Exclusive Economic Zone (UK EEZ) each year, on average (Figure 21). The annual value of those landings is estimated to have averaged about £36 million.

The vast majority of these landings of industrial fish from the UK EEZ (93% by weight, 94% by value) were caught by EU fishing boats (Figure 21).

By Species

Landings of industrial fish from the UK EEZ by EU fishing boats were dominated by sandeels, which accounted for two-thirds (66%) of the total weight and more than four-fifths (88%) of the value (Figure 22, Figure 23, Figure 24, Table 10).

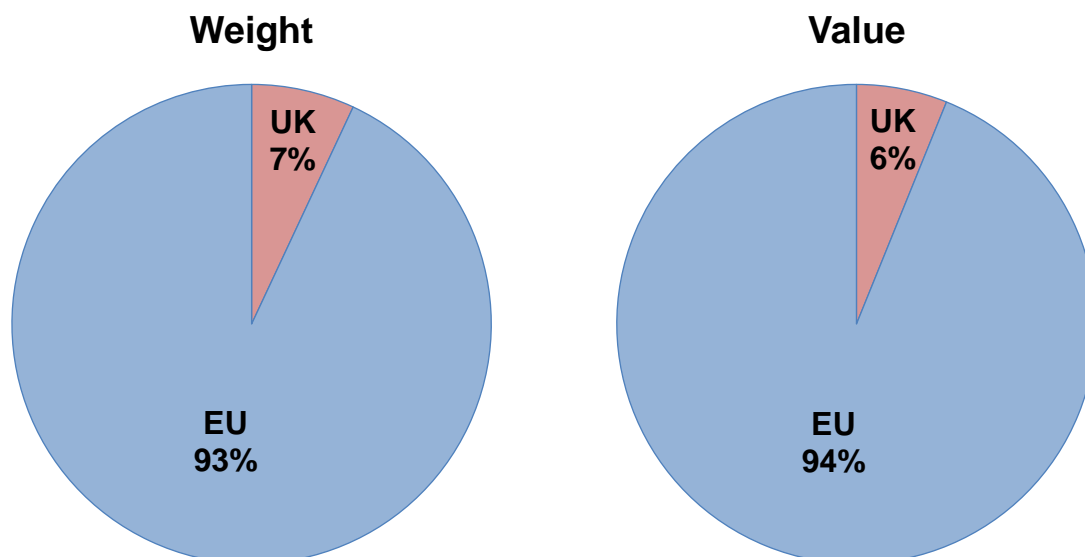
By weight, the other principal industrial fish species landed from the UK EEZ by EU fishing boats were Norway pout and boarfish, although their contributions to the value of landings were much smaller.

For most of the principal industrial fish species landed from the UK EEZ the vast majority were caught by EU fishing boats, including 89% of the boarfish 98% of the sandeels and all of the Norway pout and argentines (Figure 23, Figure 24). The only industrial species of which UK fishing boats landed a significant proportion was sprats (38%).

(Note: as the estimated values of landings are derived from their weights using an average unit value, EU boats' percentage shares of total landings for individual species are the same whether expressed as weights or values.)

Industrial Fish

Annual Average: 2011 - 2015



Industrial Fish	Weight ('000 t.)		Value (£ m)	
2011 - 2015	Wt.	%	£	%
UK Fishing Boats	10.0	7%	£2.2	6%
EU Fishing Boats	133.2	93%	£33.7	94%
Total	143.2	100%	£35.9	100%
2015	Wt.	%	£	%
UK Fishing Boats	6.4	9%	£5.6	11%
EU Fishing Boats	65.3	91%	£43.3	89%
Total	71.7	100%	£49.0	100%

Figure 21 Breakdowns of the estimated weights and values of industrial fish landed from the UK EEZ by UK and EU fishing boats: Annual average landings from 2011 – 2015, and (in table) in 2015.

Industrial Fish

EU Fishing Boats

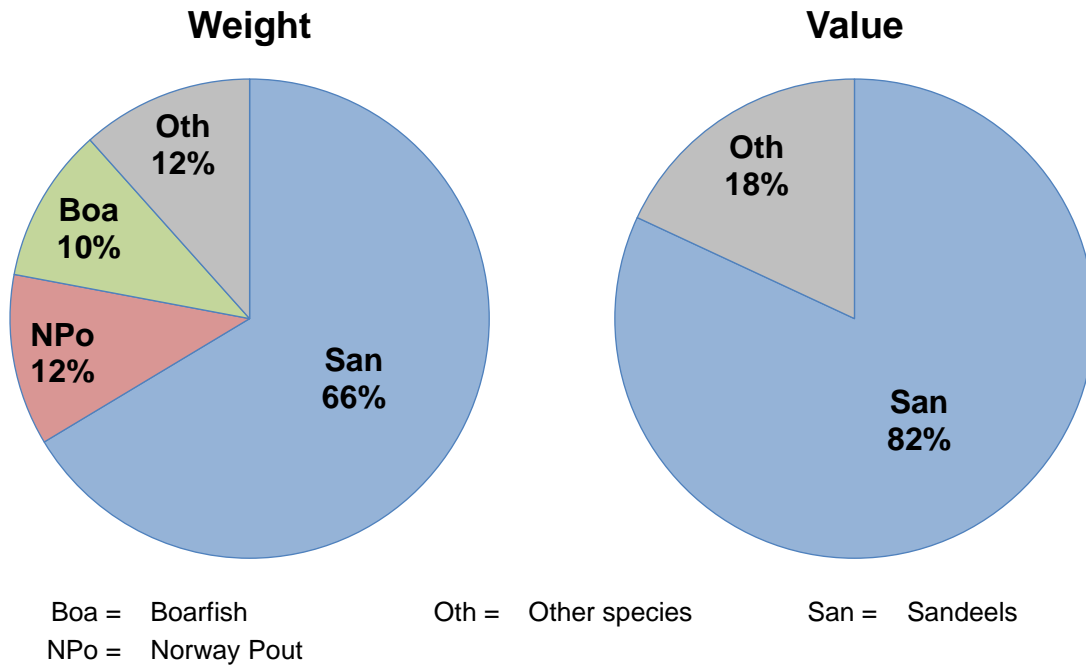


Figure 22 Breakdowns of the estimated weights and values of the principal industrial fish species landed from the UK EEZ by EU fishing boats. (Annual average landings from 2011 to 2015. See Table 10 for detailed values.)

Industrial Fish

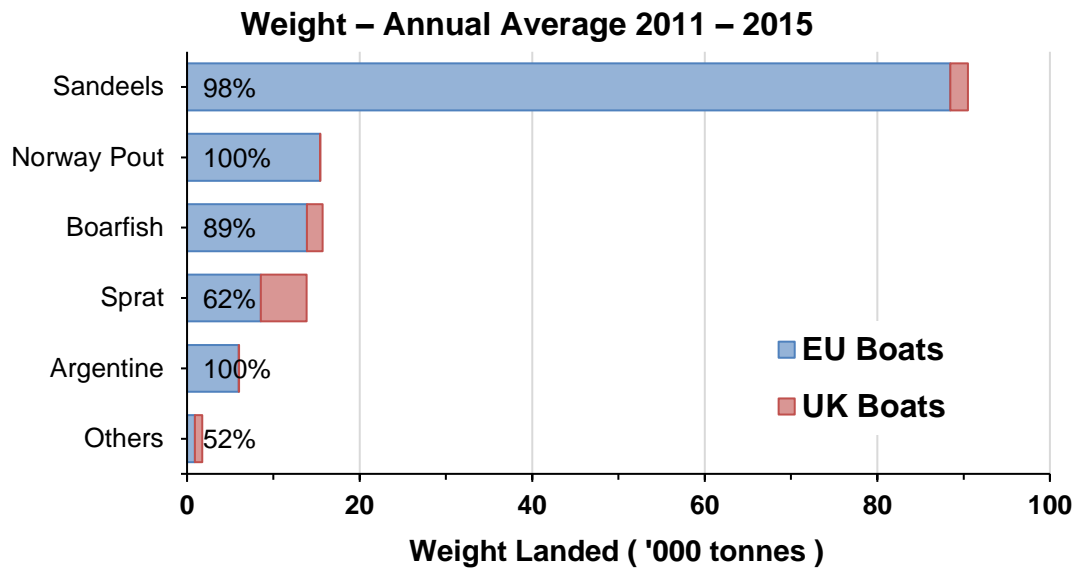


Figure 23 The estimated weights of the principal industrial fish species landed from the UK EEZ by EU and UK fishing boats, ranked by the weight landed by EU boats. Percentages show weight landed by EU boats as % of the total landed. (Annual average landings from 2011 to 2015. See Table 10 for detailed values.)

Industrial Fish

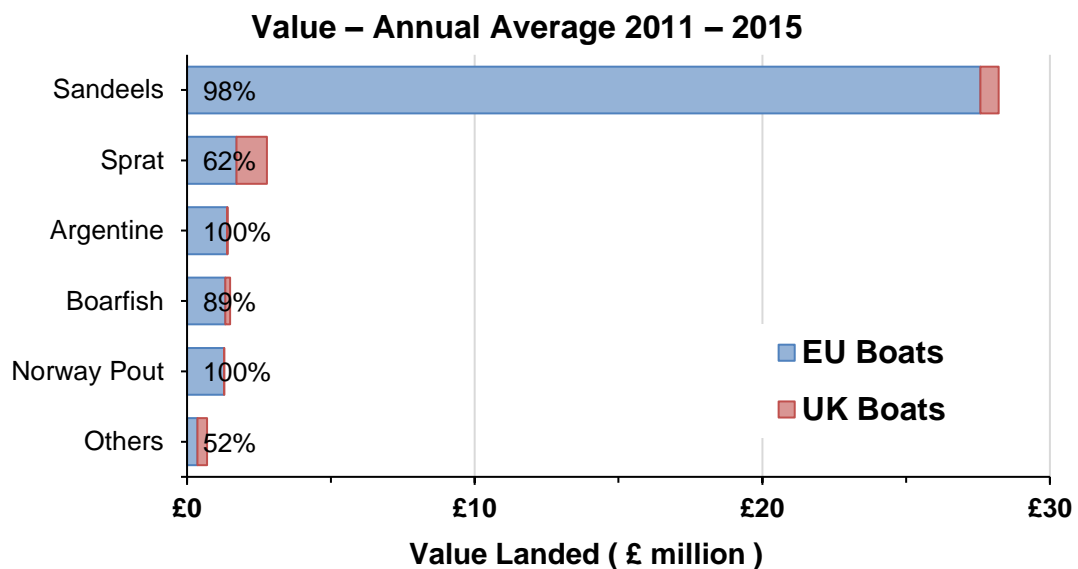


Figure 24 The estimated values of the principal industrial fish species landed from the UK EEZ by EU and UK fishing boats, ranked by the value landed by EU boats. Percentages show value landed by EU boats as % of the total landed. (Annual average landings from 2011 to 2015. See Table 10 for detailed values.)

Landings from the United Kingdom's EEZ

Table 10 The estimated weights and values of the principal industrial fish species landed from the UK EEZ by UK and EU fishing boats from 2011 to 2015. Top-5 species landed by weight. (Annual average landings from 2011 to 2015.)

Industrial Fish: Annual Average 2011 – 2015

	Weight ('000 tonnes)						Value (£ million)					
	UK Boats		EU Boats		Total		UK Boats		EU Boats		Total	
	Wt.	%	Wt.	%	Wt.	%	£.	%	£	%	£	%
Sandeels	2.0	£0	88.5	£1	90.5	63%	£0.6	29%	£27.6	82%	£28.2	79%
Boarfish	1.8	18%	13.9	£0	15.7	11%	£0.2	8%	£1.3	4%	£1.5	4%
Norway Pout	0.0	0%	15.4	12%	15.4	11%	£0.0	0%	£1.3	4%	£1.3	4%
Sprat	5.3	53%	8.5	6%	13.9	10%	£1.1	48%	£1.7	5%	£2.8	8%
Argentine	0.0	0%	6.0	4%	6.0	4%	£0.0	0%	£1.4	4%	£1.4	4%
Other Species	0.8	8%	0.9	1%	1.8	1%	£0.3	15%	£0.4	1%	£0.7	2%
TOTAL	10.0	100%	133	100%	143	100%	£2.2	100%	£33.7	100%	£35.9	100%

Table 11 The estimated weights and values of the principal industrial fish landed from the UK EEZ by UK and EU fishing boats in 2015. Top-5 species landed by weight.

Industrial Fish: 2015

	Weight ('000 tonnes)						Value (£ million)					
	UK Boats		EU Boats		Total		UK Boats		EU Boats		Total	
	Wt.	%	Wt.	%	Wt.	%	£.	%	£	%	£	%
Norway Pout	0.0	0%	21.0	32%	21.0	29%	£0.0	0%	£1.8	14%	£1.8	12%
Sandeels	2.0	32%	16.4	25%	18.4	26%	£0.6	39%	£5.1	40%	£5.7	40%
Sprat	3.7	59%	13.7	21%	17.5	24%	£0.8	46%	£2.8	22%	£3.5	24%
Argentine	---	---	8.6	13%	8.6	12%	---	---	£2.0	16%	£2.0	14%
Boarfish	---	---	3.7	6%	3.7	5%	---	---	£0.3	3%	£0.3	2%
Other Species	0.6	10%	1.9	3%	2.6	4%	£0.2	15%	£0.8	6%	£1.0	7%
TOTAL	6.4	100%	65.3	100%	71.7	100%	£1.6	100%	£12.7	100%	£14.4	100%

Landings from the UK EEZ by non-EU Boats

The available data on which this analysis was based include only landings by European Union fishing boats; no comparable data were available on landings from the UK EEZ by non-EU fishing boats. In particular, fishing boats from Faroe and Norway are permitted to fish within the EU EEZ, including the UK EEZ.

It is known that Faroese fishing boats landed about 48,000 tonnes of mackerel and 18,000 tonnes of blue whiting caught within the UK EEZ in 2014 (Table 12) and Faroese boats were also allocated small quantities of quota for various demersal fish to be caught within the EU EEZ.

Norwegian fishing boats were allocated quotas totalling about 160,000 tonnes in 2014 for various species (excluding mackerel) that could be caught within the EU EEZ. In addition, Norwegian boats are known to have landed about 76,000 tonnes of mackerel from the EU EEZ that year, giving a total of actual or potential landings from the EU EEZ of some 236,000 tonnes (Table 12).

It is not known how much of the Norwegian boats' actual or potential landings from the EU EEZ were caught within the UK EEZ, but for the purposes of this analysis a figure of 75% has been assumed (Table 12).

All Fish & Shellfish

On the basis of the available information and assumptions outlined above, it is estimated that Norwegian and Faroese fishing boats could have landed about 250,000 tonnes of fish, with an estimated value of about £240 million from the UK EEZ in 2014 (Figure 25, Table 12).

That suggests that a total of just over almost 1.6 million tonnes of fish and shellfish, with an estimated value of almost £1,400 million, were landed from the UK EEZ by UK, EU and non-EU fishing boats in 2014 (Figure 25). Of those landings, it is estimated that non-UK boats landed about 1.1 million tonnes, with a value of about £770 million. That is more than two-thirds of the total by weight (68%) and more than half by value (54%). Thus, UK fishing boats are estimated to have caught just under one-third of all the fish and shellfish landed from the UK EEZ in 2014 (32% by weight), or less than half (46%) by value¹.

¹ The UK share of the total is relatively insensitive to the assumption made about the proportion of the Norwegian total caught in the UK EEZ. Changing the assumed proportion of the Norwegian landings caught in the UK EEZ by a relatively large amount changes the UK share of the total by only a relatively small amount.

Demersal Fish

Faroese fishing boats are believed to have caught only relatively small quantities of demersal fish in the UK EEZ; their total quota allocation for demersal species in the EU EEZ was less than 700 tonnes (Figure 26, Table 12). Norwegian boats are estimated to have landed just over 60,000 tonnes of demersal fish from the UK EEZ in 2014, with an estimated value about £75 million (Figure 26, Table 12).

That suggests that a total of about 290,000 tonnes of demersal fish, with an estimated value of just under £500 million, were landed from the UK EEZ by UK, EU and non-EU fishing boats in 2014 (Figure 26). Of those landings, it is estimated that just under 180,000 tonnes, with a value of just under £300 million, were caught by non-UK fishing boats. That is about three-fifths of the total (61% by weight, 59% by value). Thus, UK fishing boats are estimated to have caught about two-fifths of the demersal fish landed from the UK EEZ in 2014 (39% by weight, 41% by value).

Pelagic Fish

It is estimated that Faroese and Norwegian fishing boats landed a total of just over 320,000 tonnes of pelagic fish from the UK EEZ in 2014, with an estimated value of just over £160 million (Figure 27, Table 12).

That suggests that a total of just over 1,000 million tonnes of pelagic fish, with an estimated value of about £600 million, were landed from the UK EEZ by UK, EU and non-EU fishing boats in 2014 (Figure 27). It is estimated that about 750,000 tonnes of those, with a value of about £400 million, were caught by non-UK fishing boats. That is three-quarters of the total (74% by weight), or two-thirds (67%) by value. Thus, UK boats are estimated to have caught about one-quarter of the pelagic fish landed from the UK EEZ in 2014 (26% by weight), or one-third (33%) by value.

All Finfish

It is estimated that Faroese and Norwegian fishing boats landed a total of about 410,000 tonnes of finfish (demersal + pelagic fish) from the UK EEZ in 2014, with an estimated value of just over £240 million (Figure 28, Table 12).

That suggests that a total of just over 1.3 million tonnes of finfish, with an estimated value of about £1,100 million, were landed from the UK EEZ by UK, EU and non-EU fishing boats in 2014 (Figure 28). Of those landings, it is estimated that about 950,000 tonnes of finfish, with an estimated value of about £700 million, were caught by non-UK boats. That is almost three-quarters of the total (71% by weight), or almost two-thirds (63%) by value. Thus, UK fishing boats are estimated to have less than one-third of the finfish landed from the UK EEZ in 2014 (29% by weight), or just over one-third (37%) by value.

Table 12 The estimated weights of fish landed from the UK EEZ in 2014 by Faroese and Norwegian fishing boats. For Norway the total weights of quotas allocated for the EU EEZ (for mackerel the amount reported as caught), along with the 75% assumed to have been caught in the UK EEZ.

2014	Weight ('000 t.)		
	Faroe	Norway	
		Total	75%
Pelagic Species	66,627	342,078	256,559
Blue Whiting	18,363	212,604	159,453
Mackerel	48,264	75,924	56,943
Herring		50,000	37,500
Horse Mackerel		3,550	2,663
Demersal Species	669	82,146	61,610
Cod		4,726	3,545
Haddock		6,205	4,654
Saithe		41,119	30,464
Whiting		859	644
Plaice		7,514	5,636
Blue Ling	150	150	113
Ling	200	5,500	4,125
Tusk	9	2,923	2,192
Deepwater Species		140	105
Other Species	200	4,000	3,000
Sole		10	8
Greenland Halibut	110	9,000	6,750
Industrial Species	7,000	24,000	18,000
Norway Pout	7,000	15,000	11,250
Sprat		9,000	6,750
TOTAL – All Species	74,296	448,224	336,168

Sources
Faroe: Pelagic weights reported as caught in UK EEZ¹ + quotas allocated to Faroe in EU EEZ² (values for 2015 have been used).
Norway: Quotas allocated to Norway in EU EEZ³ + weights of mackerel⁴ and blue whiting⁵ reported as caught in EU EEZ.

¹ Based on reports to Marine Scotland by Faroese vessels on exit from EU waters. Russell, J. & Curtis, H. (2015). *Utilisation in 2014 of the Quota Exchange and Access Entitlement in the EU Faroe Bi-lateral Agreement*. Report to Seafish Pelagic Industry Issues Group. Seafish.

² *Agreed Record of Fisheries Consultations Between the European Union and Faroe for 2015*. Brussels, 7 December 2014.

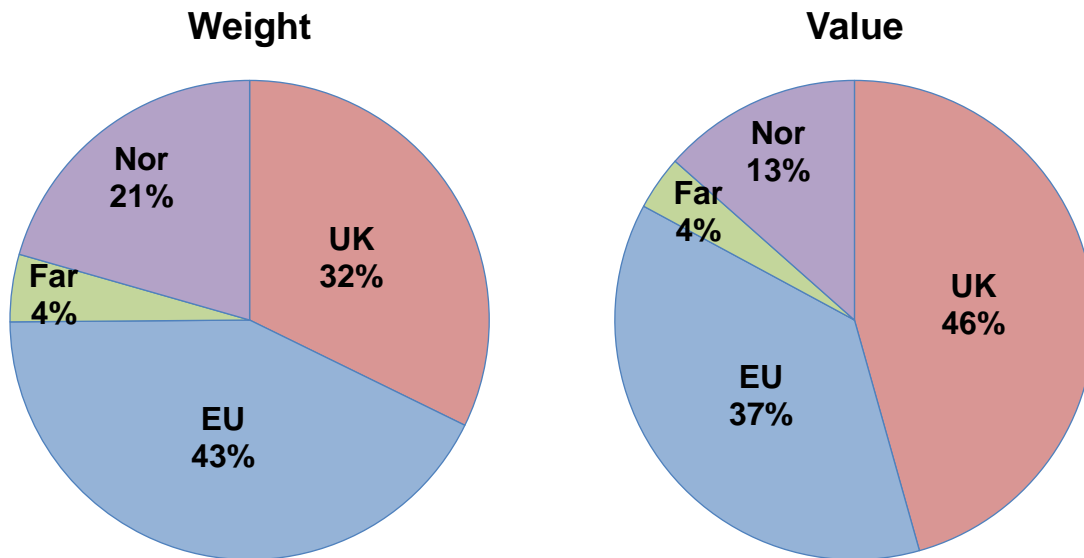
³ *Agreed Record of Fisheries Consultations Between the European Union and Norway for 2014*. London, 12 March 2014.

⁴ *Agreed Record of Conclusions of Fisheries Consultations Between the Faroe islands, the European Union and Norway on the Management of Mackerel in the Northeast Atlantic for 2016 (Annex 4)*. Clonakilty, 23 October 2016.

⁵ NEAFC data.

ALL Fish & Shellfish

2014

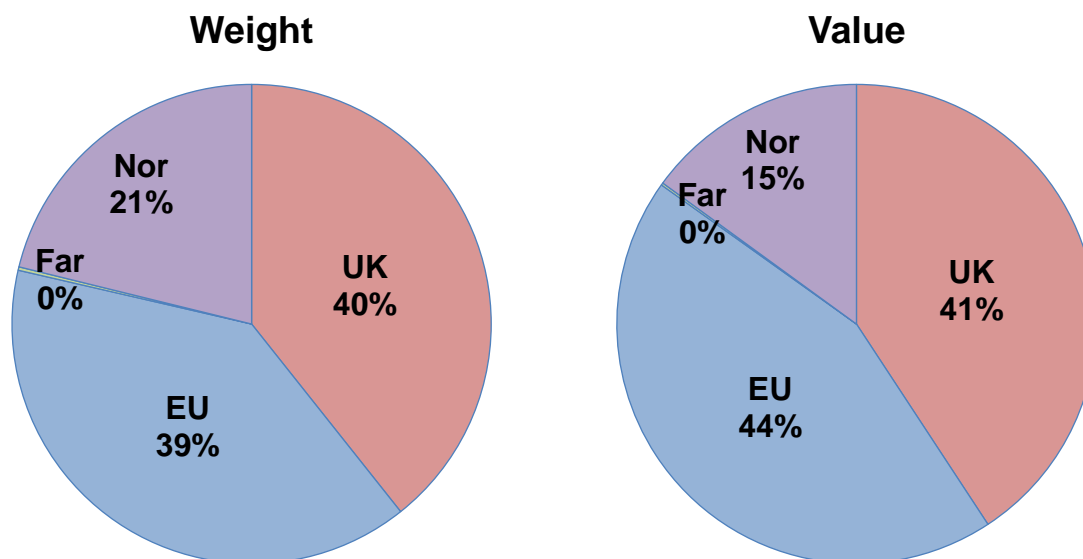


All Fish & Shellfish	Weight ('000 t.)		Value (£ m)	
	Wt.	%	£	%
2014				
UK Fishing Boats	526.8	32%	£644.9	46%
EU Fishing Boats	696.7	43%	£526.4	37%
Faroese Fishing Boats	74.3	5%	£51.7	4%
Norwegian Fishing Boats	336.2	21%	£190.3	13%
All non-UK Fishing Boats	1,107.1	68%	£768.4	54%
Overall Total	1,633.9	100%	£1,413.2	100%

Figure 25 Breakdowns of the estimated weights and values of all fish and shellfish landed from the UK EEZ by UK, EU, Faroese and Norwegian fishing boats in 2014 (UK & EU boats: annual average landings from 2011 – 2015. Faroese & Norwegian boats: see Table 12.)

Demersal Fish

2014

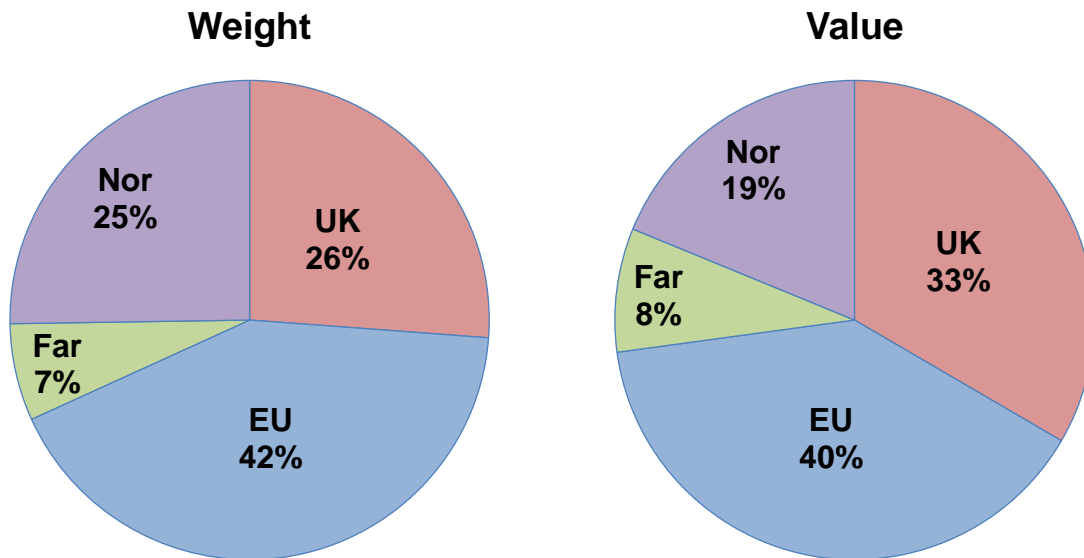


Demersal Fish	Weight ('000 t.)		Value (£ m)	
	Wt.	%	£	%
2014				
UK Fishing Boats	114.5	39%	£203.0	41%
EU Fishing Boats	114.4	39%	£219.7	44%
Faroese Fishing Boats	0.7	0%	£0.8	0%
Norwegian Fishing Boats	61.6	21%	£74.7	15%
All non-UK Fishing Boats	176.7	61%	£295.1	59%
Total	291.1	100%	£498.2	100%

Figure 26 Breakdowns of the estimated weights and values of demersal fish landed from the UK EEZ by UK, EU, Faroese and Norwegian fishing boats in 2014 (UK & EU boats: annual average landings from 2011 – 2015. Faroese & Norwegian boats: see Table 12.)

Pelagic Fish

2014

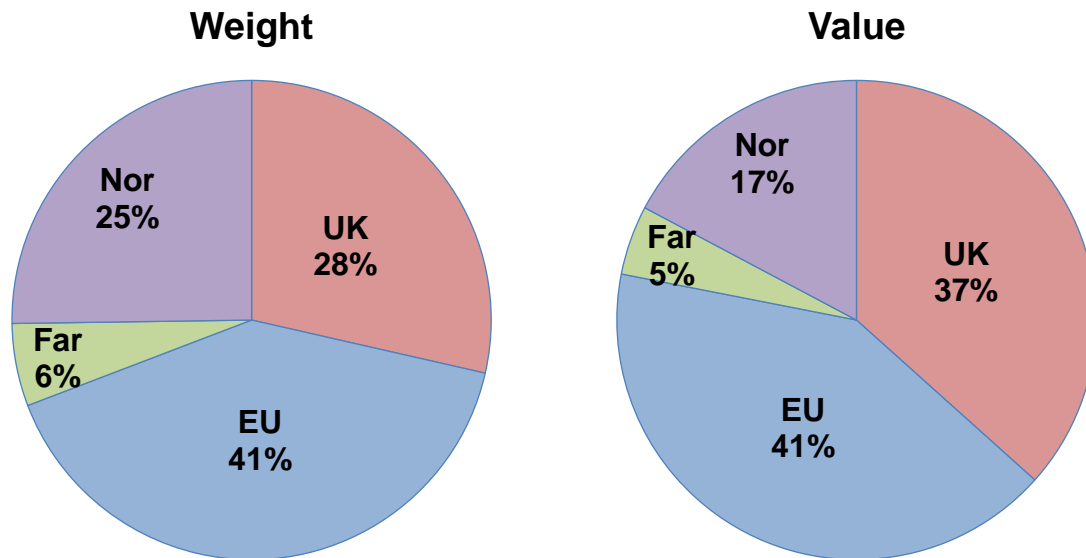


Pelagic Fish	Weight ('000 t.)		Value (£ m)	
	Wt.	%	£	%
2014				
UK Fishing Boats	266.1	26%	£201.4	33%
EU Fishing Boats	427.0	42%	£237.8	39%
Faroese Fishing Boats	66.6	7%	£50.3	8%
Norwegian Fishing Boats	256.6	25%	£113.3	19%
All non-UK Fishing Boats	750.2	74%	£401.5	67%
Total	1,016.3	100%	£602.8	100%

Figure 27 Breakdowns of the estimated weights and values of pelagic fish landed from the UK EEZ by UK, EU, Faroese and Norwegian fishing boats in 2014 (UK & EU boats: annual average landings from 2011 – 2015. Faroese & Norwegian boats: see Table 12.)

All Finfish

2014



Pelagic Fish	Weight ('000 t.)		Value (£ m)	
	Wt.	%	£	%
2014				
UK Fishing Boats	380.6	29%	£404.4	37%
EU Fishing Boats	541.4	41%	£457.5	41%
Faroese Fishing Boats	74.3	6%	£51.7	5%
Norwegian Fishing Boats	336.2	25%	£190.3	17%
All non-UK Fishing Boats	951.9	71%	£699.5	63%
Total	1,332.5	100%	£1,103.9	100%

Figure 28 Breakdowns of the estimated weights and values of finfish (demersal + pelagic fish) landed from the UK EEZ by UK, EU, Faroese and Norwegian fishing boats in 2014 (UK & EU boats: annual average landings from 2011 – 2015. Faroese & Norwegian boats: see Table 12.)

Landings by United Kingdom Fishing Boats

Over the five years from 2011 to 2015 UK fishing boats landed a total of just over 650,000 tonnes of fish and shellfish each year, on average (Table 13). The vast majority of those fish and shellfish (98% by weight) were caught in the North-East Atlantic, with the remainder (1.8% by weight) from other areas of the world's oceans.

The following results consider only landings from the North-East Atlantic.

All Fish & Shellfish

Over the five years from 2011 to 2015 UK fishing boats landed a total of just under 650,000 tonnes of fish and shellfish caught in the North-East Atlantic each year, on average (Figure 29). The annual value of those landings is estimated to have averaged almost £790 million.

It is estimated that more than four-fifths of those fish and shellfish (81% by weight, 82% by value) were caught within the UK EEZ (Figure 29). About 14% were caught elsewhere in the European Union's EEZ, and only 4% elsewhere in the North-East Atlantic.

Demersal Fish

Over the five years from 2011 to 2015 UK fishing boats landed a total of almost 160,000 tonnes of demersal fish caught in the North-East Atlantic each year, on average (Figure 30). The annual value of those landings is estimated to have averaged just over £280 million.

It is estimated that almost three-quarters of those demersal fish (72% by weight and value) were caught within the UK EEZ (Figure 30). About 18% were caught elsewhere in the European Union's EEZ, and 10% elsewhere in the North-East Atlantic.

Pelagic Fish

Over the five years from 2011 to 2015 UK fishing boats landed a total of just over 330,000 tonnes of pelagic fish caught in the North-East Atlantic each year, on average (Figure 31). The annual value of those landings is estimated to have averaged about £246 million.

It is estimated that more than three-quarters of those pelagic fish (80% by weight, 82% by value) were caught within the UK EEZ (Figure 31). About 16% were caught elsewhere in the European Union's EEZ, and 4% elsewhere in the North-East Atlantic.

All Finfish

Over the five years from 2011 to 2015 UK fishing boats landed a total of 490,000 tonnes of finfish (demersal + pelagic fish) caught in the North-East Atlantic each year, on average (Figure 32). The annual value of those landings is estimated to have averaged almost £530 million.

It is estimated that more than three-quarters of those finfish (78% by weight, 77% by value) were caught within the UK EEZ (UK EEZ) (Figure 32). About 17% were caught elsewhere in the European Union's EEZ, and 6% elsewhere in the North-East Atlantic.

Shellfish

Over the five years from 2011 to 2015 UK fishing boats landed a total of just over 130,000 tonnes of shellfish caught in the North-East Atlantic each year, on average (Figure 33). The annual value of those landings is estimated to have averaged almost £260 million.

It is estimated that the vast majority of those shellfish (93% by weight and value) were caught within the UK EEZ (Figure 33). About 7% were caught elsewhere in the European Union's EEZ, and only a very small quantity (<1%) elsewhere in the North-East Atlantic.

Industrial Fish

Over the five years from 2011 to 2015 UK fishing boats landed a total of about 11,000 tonnes of industrial fish caught in the North-East Atlantic each year, on average (Figure 34). The annual value of those landings is estimated to have averaged about £2.4 million.

It is estimated that most of those industrial fish (90% by weight, 92% by value) were caught within the UK EEZ (Figure 34). Most of the remaining 10% were caught elsewhere in the European Union's EEZ, and almost none elsewhere in the North-East Atlantic.

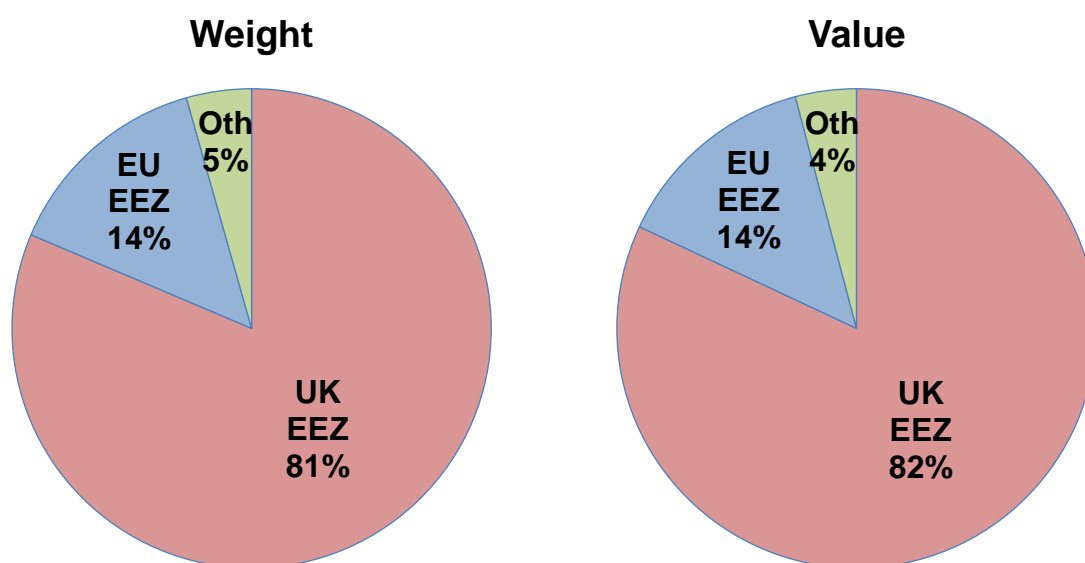
Landings by UK Boats from the EU EEZ

Table 13 The distribution of landings by UK fishing boats by major fishing area or ocean. Annual average landings from 2011 to 2014, and in 2014 (the last year for which these data are available). (Source: FAO FishStatJ database.)

ALL Fish & Shellfish	Weight ('000 t.)			
	2011 - 2014		2014	
UK Fleet	Wt.	%	Wt.	%
North-East Atlantic	641,441	98.2%	747,807	99.0%
North-West Atlantic	1,139	0.2%	0	0.0%
Central Atlantic	3,303	0.5%	6	0.0%
Southern Atlantic	4,094	0.6%	4,216	0.6%
Indian Ocean	1,239	0.2%	900	0.1%
Pacific Ocean	0	0.0%	0	0.0%
Antarctic	2,381	0.4%	1,950	0.3%
Total	653.2	100%	754,983	100%

ALL Fish & Shellfish

Annual Average: 2011 - 2015



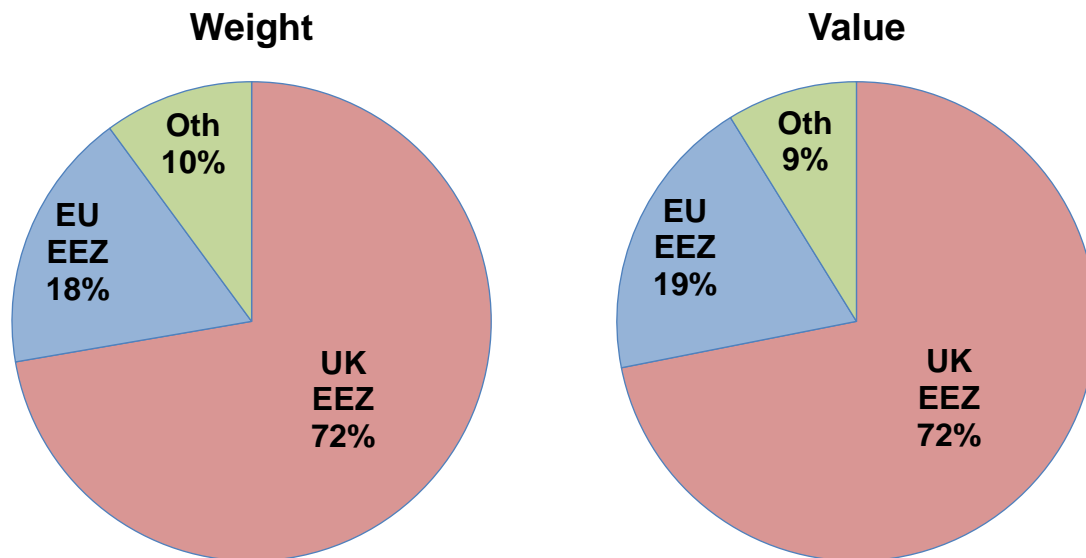
All Fish & Shellfish	Weight ('000 t.)		Value (£ m)	
2011 - 2015	Wt.	%	£	%
UK Fleet				
UK EEZ	526.8	81%	£644.9	82%
EU EEZ	92.1	14%	£109.5	14%
Elsewhere	28.4	4%	£32.3	4%
Total	647.2	100%	£786.7	100%
2015	Wt.	%	£	%
UK Fleet				
UK EEZ	554.8	79%	£643.8	80%
EU EEZ	110.8	16%	£115.7	15%
Elsewhere	34.3	5%	£45.4	5%
Total	699.8	100%	£804.9	100%

Figure 29 Breakdowns of the estimated weights and values of all fish and shellfish landed by UK fishing boats from the UK EEZ, from elsewhere in the EU EEZ, and from elsewhere in the North East Atlantic (FAO Area 27). Annual average landings from 2011 to 2015, and in 2015.

Landings by UK Boats from the EU EEZ

Demersal Fish

Annual Average: 2011 - 2015

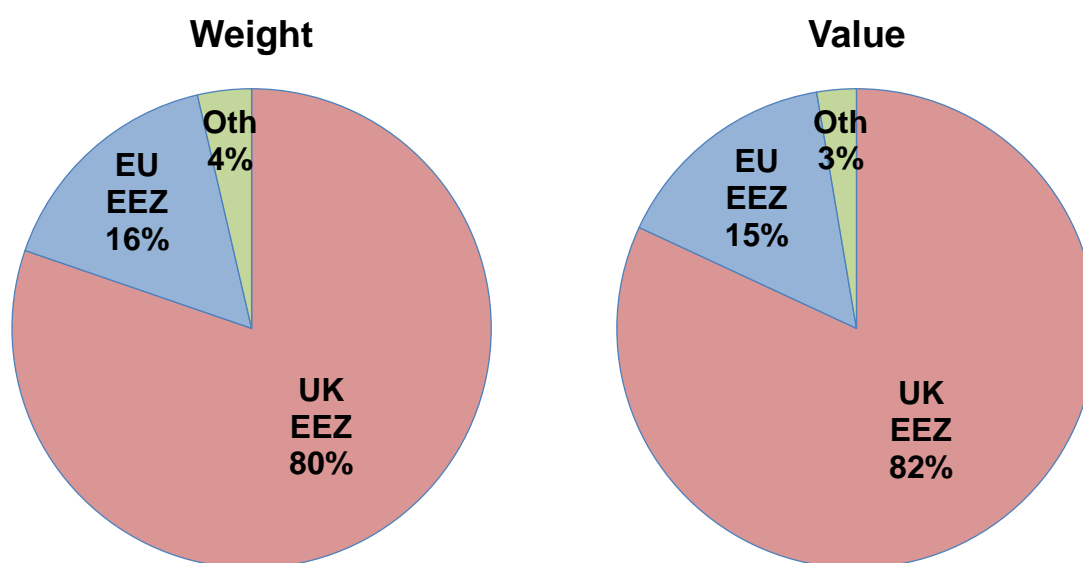


Demersal Fish	Weight ('000 t.)		Value (£ m)	
2011 - 2015	Wt.	%	£	%
UK Fleet				
UK EEZ	114.5	72%	£203.0	72%
EU EEZ	27.9	18%	£54.5	19%
Elsewhere	16.0	10%	£24.9	9%
Total	158.3	100%	£282.4	100%
2015	Wt.	%	Wt.	%
UK Fleet				
UK EEZ	117.9	69%	£207.0	69%
EU EEZ	29.3	17%	£55.6	19%
Elsewhere	22.8	13%	£37.0	12%
Total	169.9	100%	£299.6	100%

Figure 30 Breakdowns of the estimated weights and values of demersal fish landed by UK fishing boats from the UK EEZ, from elsewhere in the EU EEZ, and from elsewhere in the North East Atlantic (FAO Area 27). Annual average landings from 2011 to 2015, and in 2015.

Pelagic Fish

Annual Average: 2011 - 2015



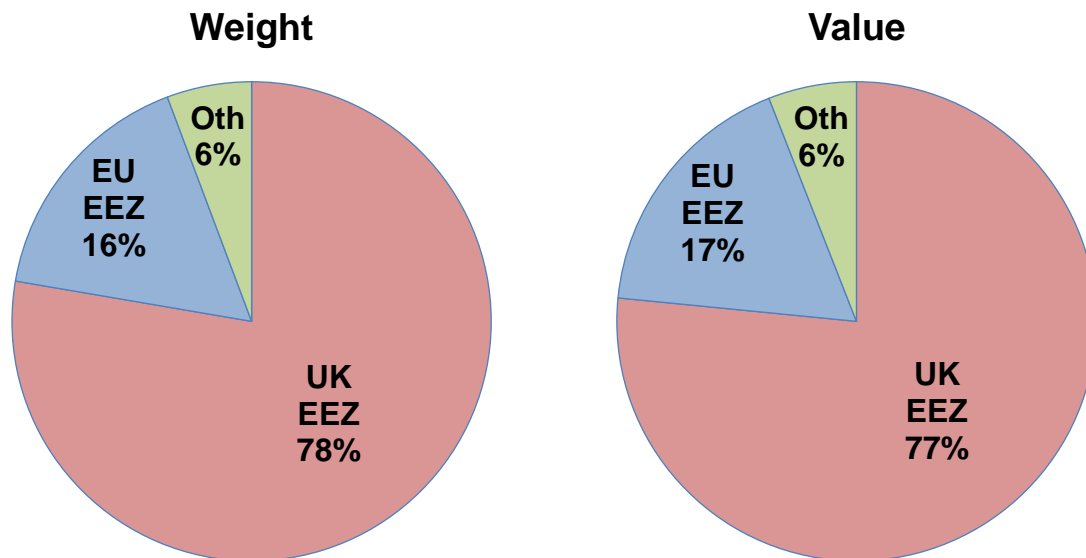
Pelagic Fish	Weight ('000 t.)		Value (£ m)	
2011 - 2015	Wt.	%	£	%
UK Fleet				
UK EEZ	266.1	80%	£201.4	82%
EU EEZ	53.4	16%	£37.9	15%
Elsewhere	12.0	4%	£6.5	3%
Total	331.5	100%	£245.8	100%
2015	Wt.	%	Wt.	%
UK Fleet				
UK EEZ	301.9	78%	£184.5	79%
EU EEZ	72.3	19%	£42.6	18%
Elsewhere	11.2	3%	£7.6	3%
Total	385.5	100%	£234.7	100%

Figure 31 Breakdowns of the estimated weights and values of pelagic fish landed by UK fishing boats from the UK EEZ, from elsewhere in the EU EEZ, and from elsewhere in the North East Atlantic (FAO Area 27). Annual average landings from 2011 to 2015, and in 2015.

Landings by UK Boats from the EU EEZ

All Finfish

Annual Average: 2011 - 2015

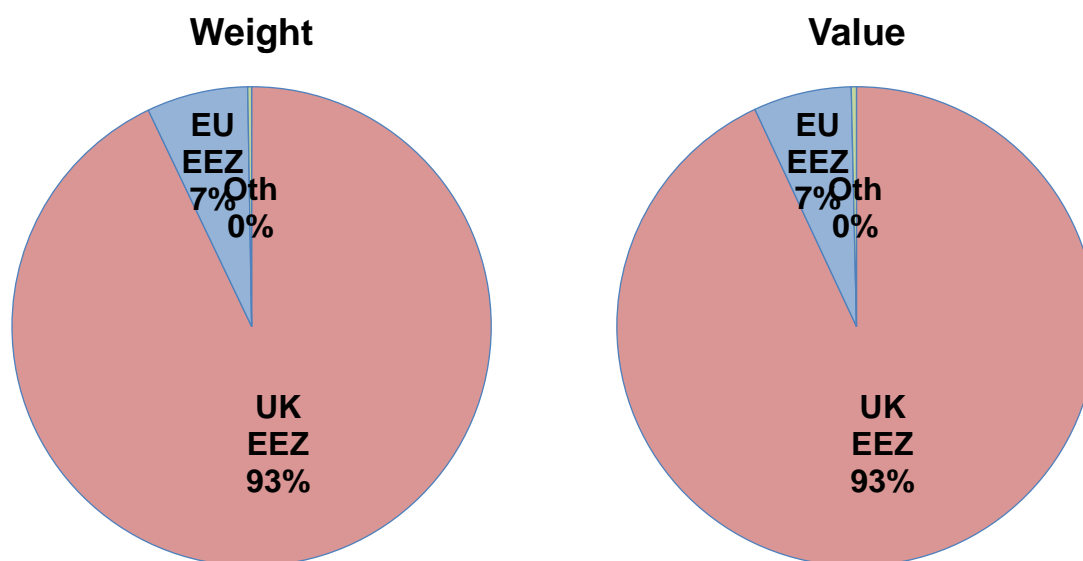


All Finfish	Weight ('000 t.)		Value (£ m)	
2011 - 2015	Wt.	%	£	%
UK Fleet				
UK EEZ	380.6	78%	£404.4	77%
EU EEZ	81.3	17%	£92.4	17%
Elsewhere	28.0	6%	£31.4	6%
Total	489.9	100%	£528.2	100%
2015	Wt.	%	Wt.	%
UK Fleet				
UK EEZ	419.8	76%	£391.6	73%
EU EEZ	101.6	18%	£98.2	18%
Elsewhere	34.0	6%	£44.6	8%
Total	555.4	100%	£534.4	100%

Figure 32 Breakdowns of the estimated weights and values of all finfish (demersal + pelagic fish) landed by UK fishing boats from the UK EEZ, from elsewhere in the EU EEZ, and from elsewhere in the North East Atlantic (FAO Area 27). Annual average landings from 2011 to 2015, and in 2015.

Shellfish

Annual Average: 2011 - 2015



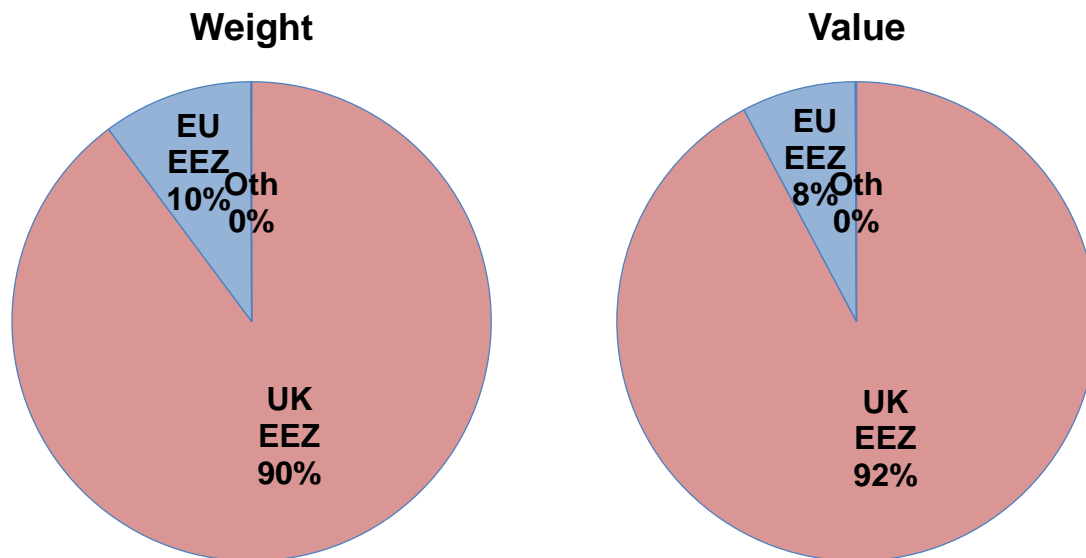
Shellfish	Weight ('000 t.)		Value (£ m)	
2011 - 2015	Wt.	%	£	%
UK Fleet				
UK EEZ	123.4	93%	£238.3	93%
EU EEZ	9.1	7%	£16.9	7%
Elsewhere	0.3	0%	£0.9	0%
Total	132.8	100%	£256.1	100%
2015	Wt.	%	Wt.	%
UK Fleet				
UK EEZ	128.6	93%	£246.6	93%
EU EEZ	9.0	7%	£17.5	7%
Elsewhere	0.3	0%	£0.8	0%
Total	137.9	100%	£264.9	100%

Figure 33 Breakdowns of the estimated weights and values of shellfish landed by UK fishing boats from the UK EEZ, from elsewhere in the EU EEZ, and from other areas ('Oth') of the North-East Atlantic (FAO Area 27). Annual average landings from 2011 – 2015, and (in table) in 2015.

Landings by UK Boats from the EU EEZ

Industrial Fish

Annual Average: 2011 - 2015



Industrial Fish	Weight ('000 t.)		Value (£ m)	
	Wt.	%	£	%
2011 - 2015				
UK Fleet				
UK EEZ	10.0	90%	£2.2	92%
EU EEZ	1.1	10%	£0.2	8%
Elsewhere	0.0	0%	£0.0	0%
Total	11.1	100%	£2.4	100%
2015				
UK Fleet				
UK EEZ	6.4	97%	£5.6	99%
EU EEZ	0.2	3%	£0.0	1%
Elsewhere	0.0	0%	£0.0	0%
Total	6.6	100%	£5.6	100%

Figure 34 Breakdowns of the estimated weights and values of industrial fish landed by UK fishing boats from the UK EEZ, from elsewhere in the EU EEZ, and from other areas ('Oth') of the North-East Atlantic (FAO Area 27). Annual average landings from 2011 – 2015, and (in table) in 2015.

Comparison with Marine Management Organisation Data

The estimates made in this study of the total weight and value of fish and shellfish caught by UK fishing boats in the EU EEZ in 2015 agree closely with those made by the Marine Management Organisation (Table 14)¹.

The difference in weight is only about 4 tonnes (<0.005%), while the difference in value is about £1.6 million (<1.5%). The larger discrepancy in value may arise because this study had to use average prices from 2014 to estimate values in 2015, as UK landings data for 2015 have not yet been published.

Table 14 Comparisons of the estimates of the total weight and value of fish and shellfish landed by UK fishing boats from the EU EEZ from this study, and by the Marine Management Organisation.

All Fish & Shellfish	2015	
	Weight (tonnes)	Value (£ 000)
This Study	110,755	£115,715
MMO	110,751	£114,029

¹ Provisional Statistics - UK Fleet Landings from Other EU Member States' Waters: 2015. Marine Management Organisation, 1st Feb 2017. Available at: <https://www.gov.uk/government/statistics/provisional-statistics-uk-fleet-landings-from-other-eu-member-states-waters-2015>

Comparison of EU Boats' Landings from the UK EEZ with UK Boats' Landings from the EU EEZ

All Fish & Shellfish

Over the five years from 2011 to 2015 it is estimated that EU fishing boats landed just under 700,000 tonnes of fish and shellfish, with an estimated value of almost £530 million, caught in the UK's Exclusive Economic Zone (UK EEZ) each year, on average (Figure 35, Table 15).

Over the same period it is estimated that UK fishing boats landed just over 90,000 tonnes of fish and shellfish, with a value of about £110 million, caught elsewhere in the EU EEZ each year, on average (Figure 35, Table 15).

That is, EU boats landed more than seven times more fish and shellfish by weight (or almost five times more by value) from the UK EEZ as UK boats did from the EU EEZ (Figure 36, Table 15).

Demersal Fish

Over the five years from 2011 to 2015 it is estimated that EU fishing boats landed just over 110,000 tonnes of demersal fish, with an estimated value of about £220 million, caught in the UK's Exclusive Economic Zone (UK EEZ) each year, on average (Figure 37, Table 15).

Over the same period it is estimated that UK fishing boats landed about 28,000 tonnes of demersal fish, with a value of about £155 million, caught elsewhere in the EU EEZ each year, on average (Figure 37, Table 15).

That is, EU boats landed more than four times more demersal fish by weight (and four times more by value) from the UK EEZ as UK boats did from the EU EEZ (Figure 38, Table 15).

Pelagic Fish

Over the five years from 2011 to 2015 it is estimated that EU fishing boats landed almost 430,000 tonnes of pelagic fish, with an estimated value of almost £230 million, caught in the UK's Exclusive Economic Zone (UK EEZ) each year, on average (Figure 39, Table 15)..

Over the same period it is estimated that UK fishing boats landed just over 50,000 tonnes of pelagic fish, with a value of about £38 million, caught elsewhere in the EU EEZ each year, on average (Figure 39, Table 15).

That is, EU boats landed eight times more pelagic fish by weight (and more than six times more by value) from the UK EEZ as UK boats did from the EU EEZ (Figure 40, Table 15).

All Finfish

Over the five years from 2011 to 2015 it is estimated that EU fishing boats landed a total of just over 540,000 tonnes of finfish (demersal + pelagic fish), with an estimated value of almost £460 million, caught in the UK's Exclusive Economic Zone (UK EEZ) each year, on average (Figure 41, Table 15).

Over the same period it is estimated that UK fishing boats landed just over 80,000 tonnes of finfish, with a value of just over £90 million, caught elsewhere in the EU EEZ each year, on average (Figure 41, Table 15).

That is, EU boats landed almost seven times more finfish by weight (and five times more by value) from the UK EEZ as UK boats did from the EU EEZ (Figure 42, Table 15).

Shellfish

Over the five years from 2011 to 2015 it is estimated that EU fishing boats landed just over 16,000 tonnes of shellfish, with an estimated value of about £35 million, caught in the UK's Exclusive Economic Zone (UK EEZ) each year, on average (Figure 43, Table 15).

Over the same period it is estimated that UK fishing boats landed about 9,000 tonnes of shellfish, with a value of about £17 million, caught elsewhere in the EU EEZ each year, on average (Figure 43, Table 15).

That is, EU boats landed almost twice as much shellfish by weight (and more than twice as much by value) from the UK EEZ as UK boats did from the EU EEZ (Figure 44, Table 15).

Industrial Fish

Over the five years from 2011 to 2015 it is estimated that EU fishing boats landed just over 130,000 tonnes of industrial fish, with an estimated value of about £34 million, caught in the UK's Exclusive Economic Zone (UK EEZ) each year, on average (Figure 43, Table 15).

Over the same period it is estimated that UK fishing boats landed about 1,000 tonnes of industrial fish, with a value of about £200,000, caught elsewhere in the EU EEZ each year, on average (Figure 43, Table 15).

Comparison of Landings by EU and UK Boats

That is, EU boats landed almost 120 times more industrial fish by weight (and more than 180 times more by value) from the UK EEZ as UK boats did from the EU EEZ (Figure 44, Table 15).

Table 15 Comparisons of the estimated weights and values of fish and shellfish landed by EU fishing boats from the UK EEZ, and by UK boats from other areas of the EU EEZ. 'Factor' = landings by EU boats from UK EEZ divided by landings by UK boats from EU EEZ. Annual average landings from 2011 to 2015, and in 2015.

	2011 - 2015		2015	
	Weight ('000 t.)	Value (£ m)	Weight ('000 t.)	Value (£ m)
All Fish & Shellfish				
EU Boats from UK EEZ	696.7	£526.4	706.8	£493.0
UK Boats from EU EEZ	92.1	£109.5	110.8	£115.7
Factor	7.6	4.8	6.4	4.3
Demersal Fish				
EU Boats from UK EEZ	114.4	£219.7	115.5	£198.8
UK Boats from EU EEZ	27.9	£54.5	29.3	£55.6
Factor	4.1	4.0	3.9	3.6
Pelagic Fish				
EU Boats from UK EEZ	427.0	£237.8	505.2	£209.2
UK Boats from EU EEZ	53.4	£37.9	72.3	£42.6
Factor	8.0	6.3	7.0	4.9
All Finfish				
EU Boats from UK EEZ	541.4	£457.5	620.7	£408.0
UK Boats from EU EEZ	81.3	£92.4	101.6	£98.2
Factor	6.7	5.0	6.1	4.2
Shellfish				
EU Boats from UK EEZ	16.3	£35.3	20.7	£41.6
UK Boats from EU EEZ	9.1	£16.9	9.0	£17.5
Factor	1.8	2.1	2.3	2.4
Industrial Fish				
EU Boats from UK EEZ	133.2	£33.7	65.3	£12.7
UK Boats from EU EEZ	1.1	£0.2	0.2	£0.0
Factor	118	183	358	438

Comparison of Landings by EU and UK Boats

ALL Fish & Shellfish: Annual Average: 2011 - 2015

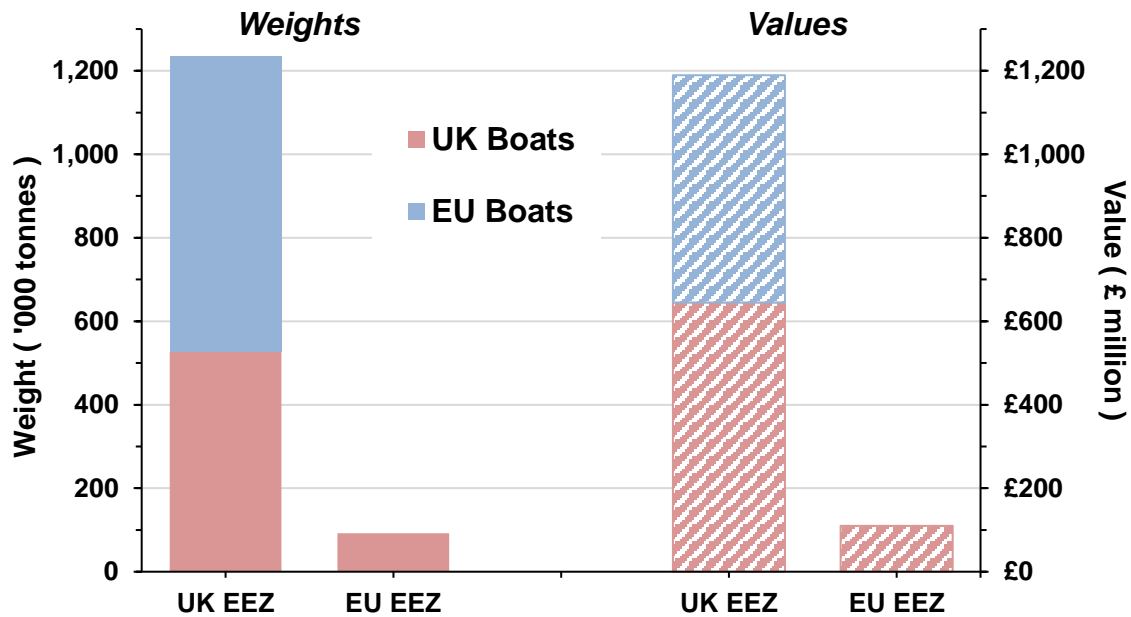


Figure 35 Breakdowns of the estimated weights (at left) and values (at right) of all fish and shellfish landed from the UK EEZ by UK and EU fishing boats, and by UK boats from the EU EEZ (landings by EU boats from the EU EEZ are not shown): Annual average landings from 2011 – 2015.

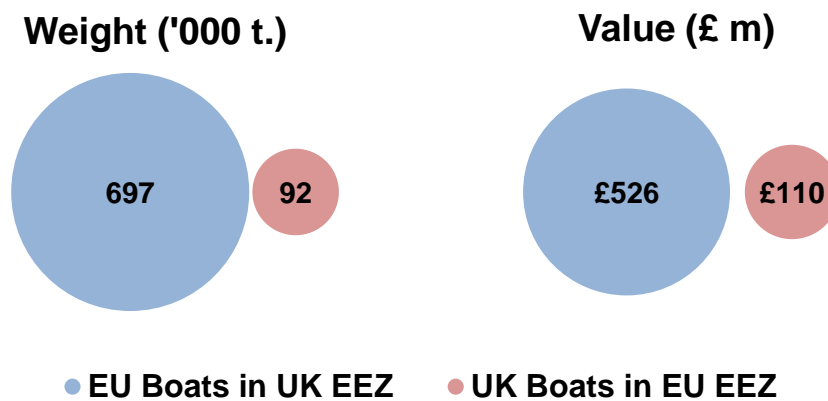


Figure 36 Comparison of the magnitudes of the estimated weights and values of all fish and shellfish landed from the UK EEZ by EU boats, and from elsewhere in the EU EEZ by UK boats: Annual average landings from 2011 – 2015. (Area of the circles are proportional to weight / value of landings.)

Demersal Fish: Annual Average: 2011 - 2015

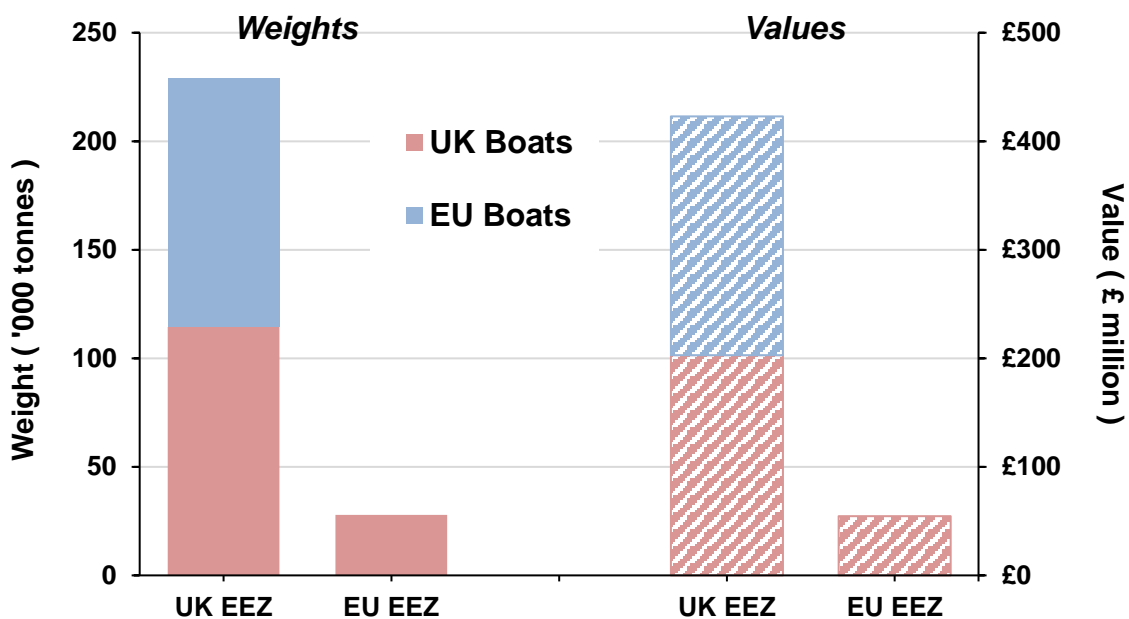


Figure 37 Breakdowns of the estimated weights (at left) and values (at right) of demersal fish landed from the UK EEZ by UK and EU fishing boats, and by UK boats from the EU EEZ (landings by EU boats from the EU EEZ are not shown): Annual average landings from 2011 – 2015.

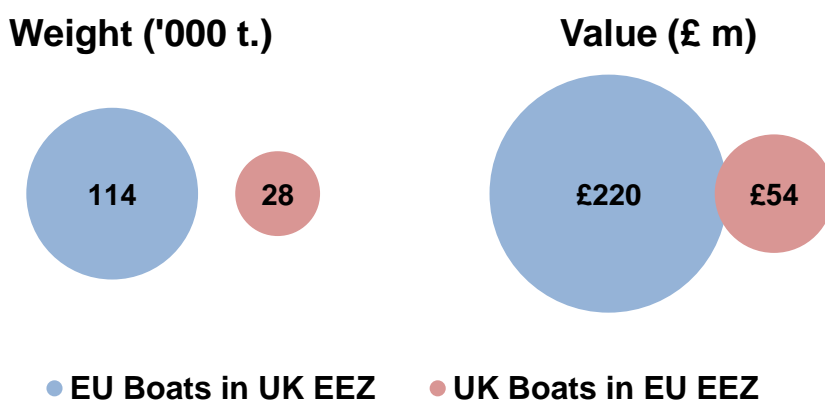


Figure 38 Comparison of the magnitudes of the estimated weights and values of demersal fish landed from the UK EEZ by EU boats, and from elsewhere in the EU EEZ by UK boats: Annual average landings from 2011 – 2015. (Area of the circles are proportional to weight / value of landings.)

Comparison of Landings by EU and UK Boats

Pelagic Fish: Annual Average: 2011 - 2015

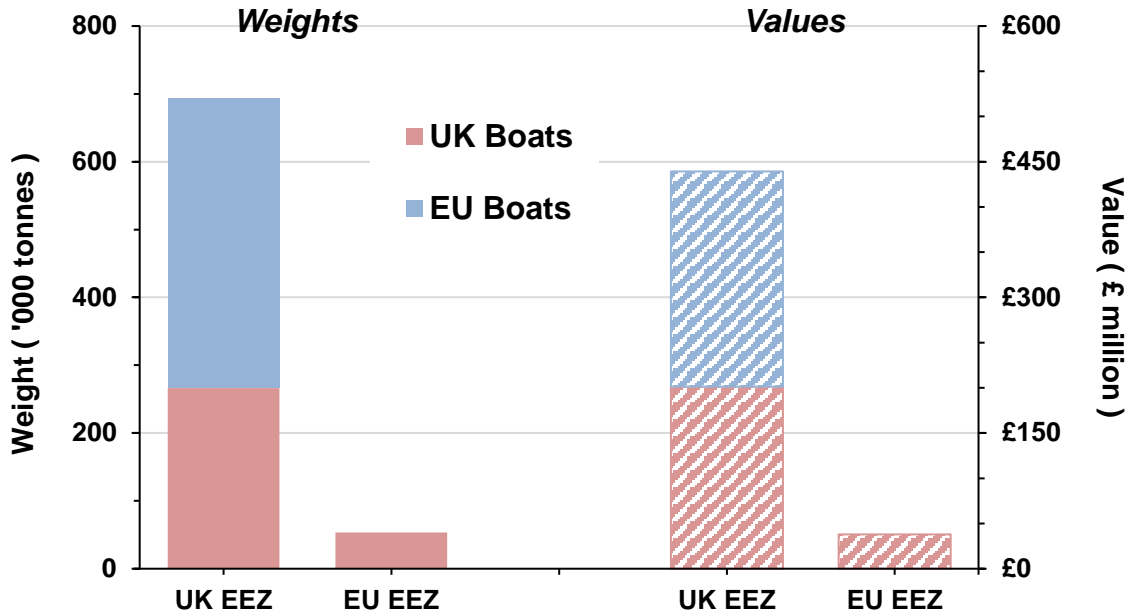


Figure 39 Breakdowns of the estimated weights (at left) and values (at right) of pelagic fish landed from the UK EEZ by UK and EU fishing boats, and by UK boats from the EU EEZ (landings by EU boats from the EU EEZ are not shown): Annual average landings from 2011 – 2015.

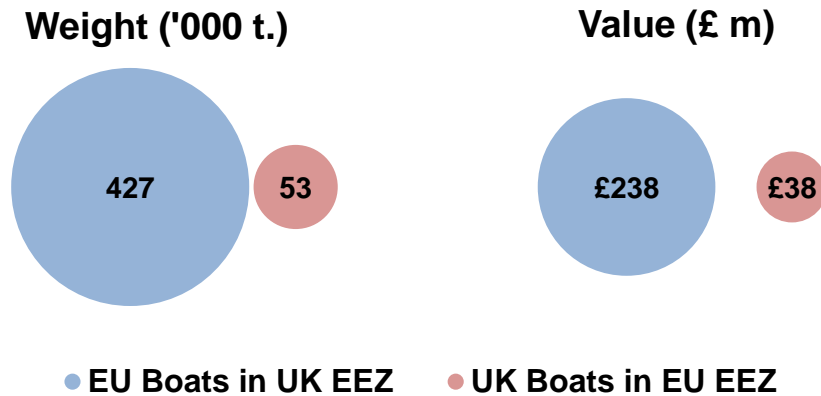


Figure 40 Comparison of the magnitudes of the estimated weights and values of pelagic fish landed from the UK EEZ by EU boats, and from elsewhere in the EU EEZ by UK boats: Annual average landings from 2011 – 2015. (Area of the circles are proportional to weight / value of landings.)

All Finfish: Annual Average: 2011 - 2015

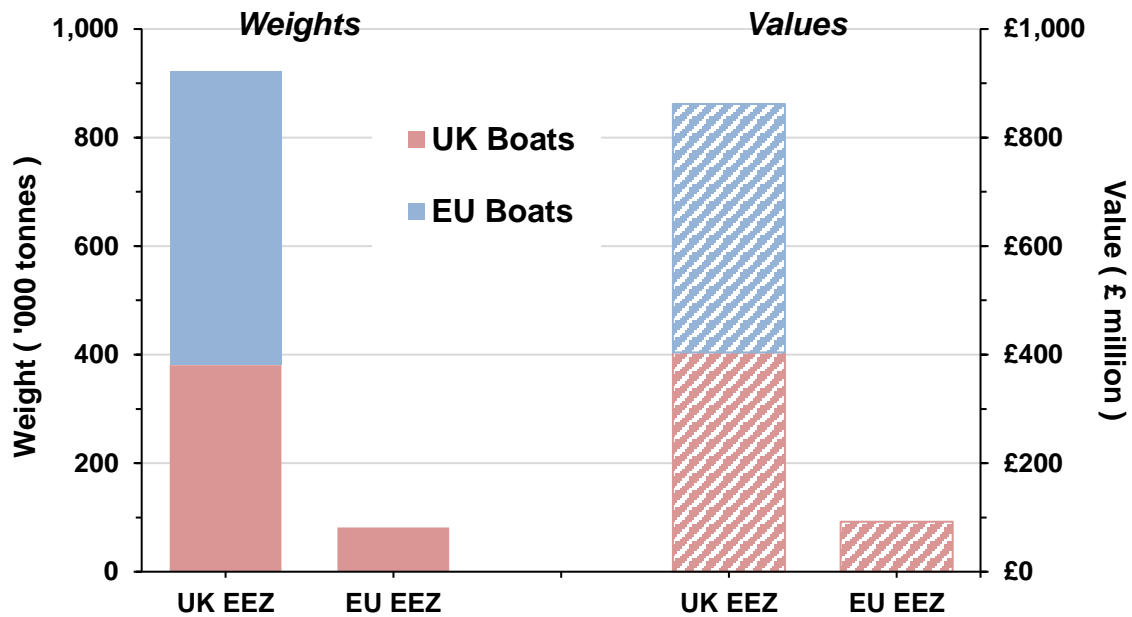


Figure 41 Breakdowns of the estimated weights (at left) and values (at right) of all finfish (demersal + pelagic fish) landed from the UK EEZ by UK and EU fishing boats, and by UK boats from the EU EEZ (landings by EU boats from the EU EEZ are not shown): Annual average landings from 2011 – 2015.

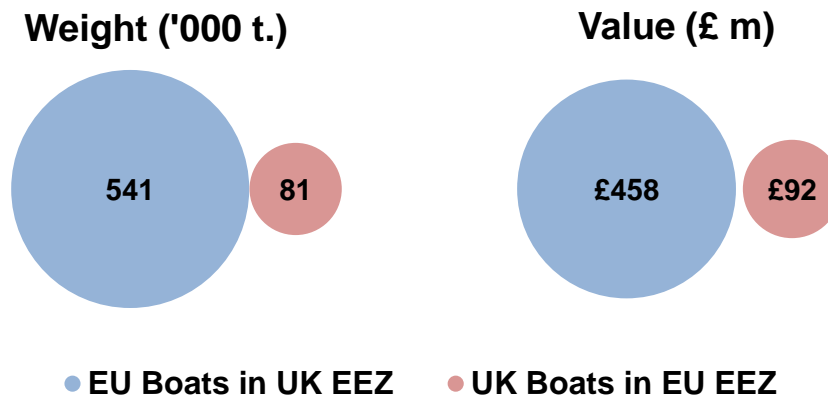


Figure 42 Comparison of the magnitudes of the estimated weights and values of all finfish (demersal + pelagic fish) landed from the UK EEZ by EU boats, and from elsewhere in the EU EEZ by UK boats: Annual average landings from 2011 – 2015. (Area of the circles are proportional to weight / value of landings.)

Comparison of Landings by EU and UK Boats

Shellfish: Annual Average: 2011 - 2015

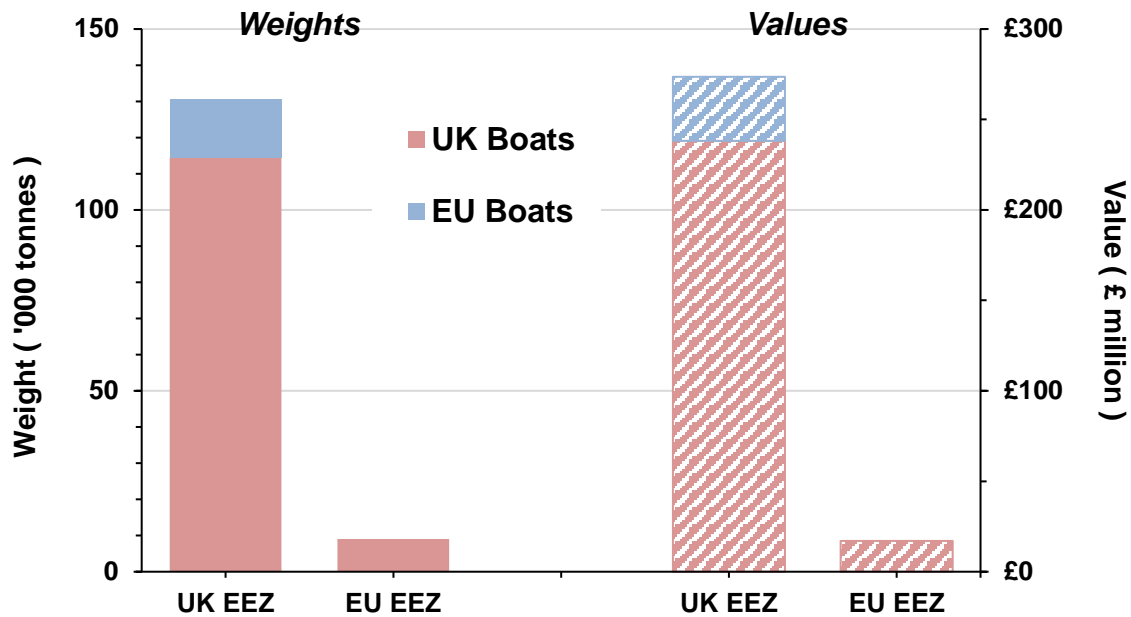


Figure 43 Breakdowns of the estimated weights (at left) and values (at right) of shellfish landed from the UK EEZ by UK and EU fishing boats, and by UK boats from the EU EEZ (landings by EU boats from the EU EEZ are not shown): Annual average landings from 2011 – 2015.

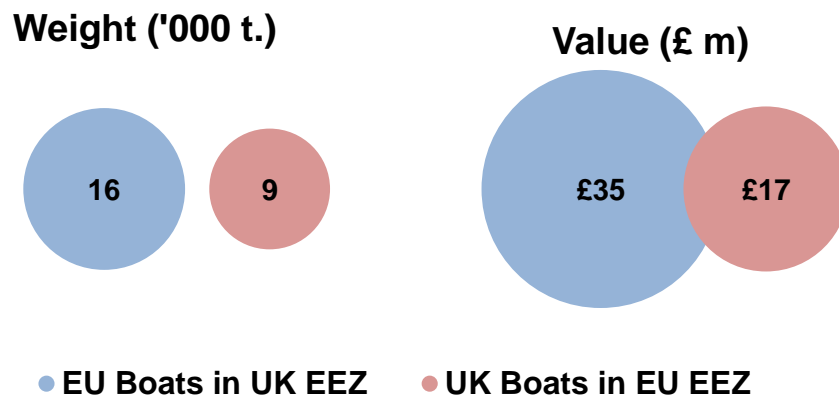


Figure 44 Comparison of the magnitudes of the estimated weights and values of shellfish landed from the UK EEZ by EU boats, and from elsewhere in the EU EEZ by UK boats: Annual average landings from 2011 – 2015. (Area of the circles are proportional to weight / value of landings.)

Industrial Fish: Annual Average: 2011 - 2015

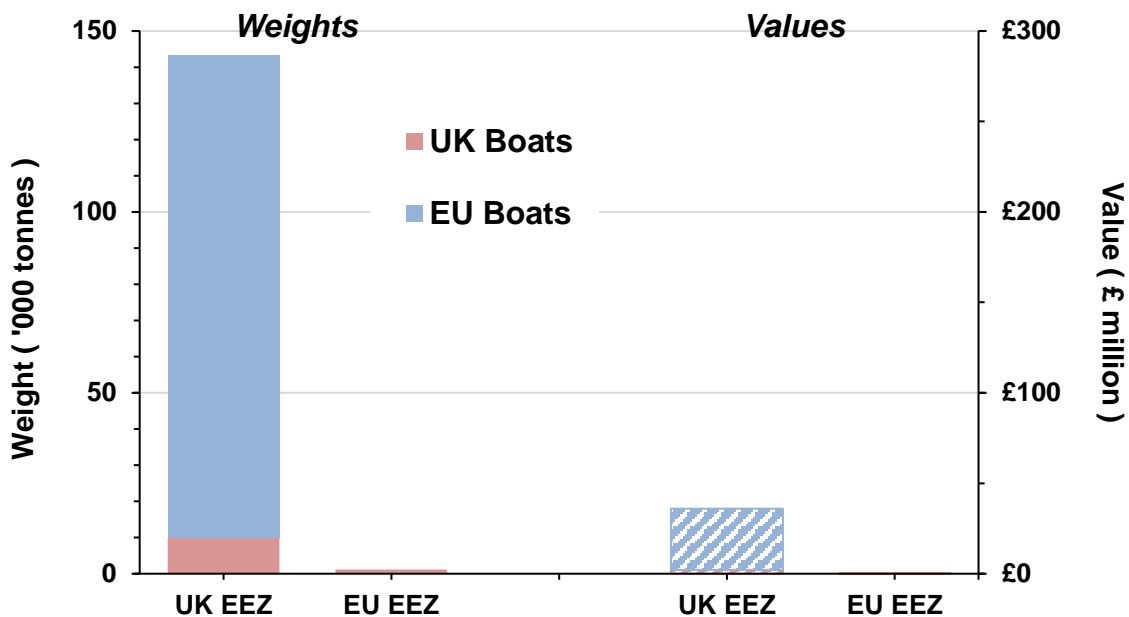


Figure 45 Breakdowns of the estimated weights (at left) and values (at right) of industrial fish landed from the UK EEZ by UK and EU fishing boats, and by UK boats from the EU EEZ (landings by EU boats from the EU EEZ are not shown): Annual average landings from 2011 – 2015.

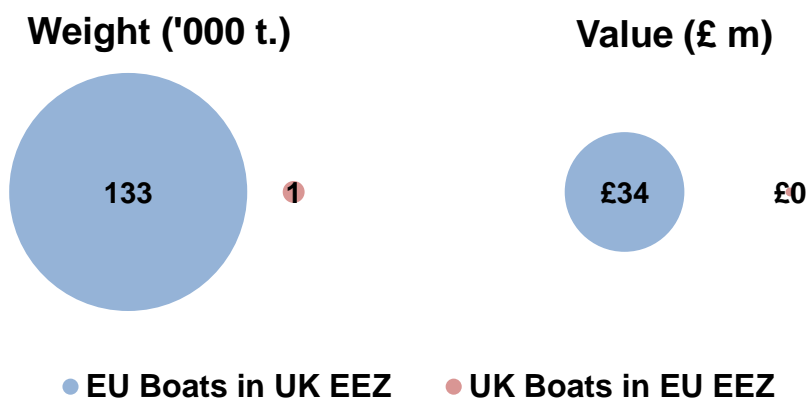


Figure 46 Comparison of the magnitudes of the estimated weights and values of industrial fish landed from the UK EEZ by EU boats, and from elsewhere in the EU EEZ by UK boats: Annual average landings from 2011 – 2015. (Area of the circles are proportional to weight / value of landings.)

Discussion & Conclusions

An analysis of available data has been carried out to determine how much fish and shellfish are caught within the UK's Exclusive Economic Zone (UK EEZ) by European Union fishing boats, and by UK boats in other areas of the EU EEZ.

The analysis has used 'official' data published by the European Commission's Scientific, Technical and Economic Committee for Fisheries (STECF) which provides the weights of fish and shellfish landed by EU fishing boats from each ICES statistical rectangle, based on logbook returns collected and collated by EU member states and submitted to STECF. As such, they probably represent the most comprehensive and detailed data that are likely to be available on the distribution of catches by EU fishing boats.

The analysis has provided breakdowns by species and species groups of the estimated weights and values of fish and shellfish caught in the UK EEZ by UK and EU fishing boats, and by UK boats in the EU EEZ, over the five year period from 2011 to 2015.

The estimates made of the weight and value of fish and shellfish landed from the EU EEZ by UK fishing boats agree very closely with estimates published by the Marine Management Organisation.

The results of this analysis indicate that a high proportion – more than half – of the fish and shellfish landed from the UK EEZ by EU fishing boats are caught by non-UK boats. That amounts to some 700,000 tonnes of fish, worth about £530 million, each year, on average.

The proportion of the landings from the UK EEZ caught by EU boats varies widely between species groups and species, but is highest for industrial and pelagic species and lowest for shellfish. Individual species such as hake, saithe, common sole, herring, sandeels and most other industrial species had high proportions of the total caught by EU boats.

Comparable data is not available for non-EU (Faroese and Norwegian) fishing boats that fish in the UK EEZ. Nevertheless, an attempt has been made to estimate the quantities of fish caught in the UK EEZ by these boats from what information is available. Including these estimated catches by Faroese and Norwegian fishing boats reduces UK fishing boats' share of the landings from the UK EEZ to little more than one-third of the estimated total (32%) by weight, or less than half (46%) by value.

The vast majority of the fish and shellfish landed by UK fishing boats (98%) were caught in the North-East Atlantic, and most of those (81%) were caught within the UK

EEZ. The total weight of fish and shellfish landed by UK fishing boats from other areas of the EU EEZ is estimated to have averaged just over 90,000 tonnes each year, with a value of about £110 million.

The quantity of fish and shellfish estimated to have been landed by UK fishing boats from other areas of the EU EEZ (92,000 tonnes) is therefore much smaller than the quantity estimated to have been landed by EU boats from the UK EEZ (700,000 tonnes). That is a more than seven-fold difference in weight and there is an almost five-fold difference in value.

(It should be recognised though that some specific segments of the UK fishing fleet, and/or individual boats or fishing communities may be more dependent on catches taken in other parts of the EU EEZ than these figures suggest.)

