

**High survivability**

**Nephrops in the TRI fisheries in Area VII and in the TR2 fisheries in Area VII in combination with highly selective gears**

Country	Exemption applied for (species, area, gear type)	Species as bycatch or target	Number of vessels subject to the landing obligation	Landings (by landing obligation subject vessels)	Estimated Discards	Estimated Catch	Discard Rate	Estimated discard survival rate from provided studies
IE	Nephrops VII (including VIIa but excluding VIId) TR vessels using Otter Trawls	Target and Bycatch	114	9148	1735	10883	16%	64%
UK	Nephrops VII TR vessels using Otter Trawls	Target						
FR	Nephrops VII TR vessels using Otter Trawls	Target	24	241 t	40 t	281 t	14%	64%

Skates and ray species caught by any gear in the North Western Waters (areas VI and VII)

Country	Exemption applied for (species, area, gear type)	Species as bycatch or target	Number of vessels subject to the landing obligation	Landings (by landing obligation subject vessels)	Estimated Discards	Estimated Catch	Discard Rate	Estimated discard survival rate from provided studies
FR	Skates and Rays		Around 900 vessels					
IE	Skates and rays, Area VI & VII, all gears	Both	188	960t	1099-233t*	2059-3294	53%-71%	NA
NL	Species: RJC, RJH, RJM Area: VIId, VIle Gear type: SSC	Bycatch	15	7,64				

\*STECF catch data 2016 (FDI database)

Plaice caught with beam trawls in ICES subareas VIIa to VIIk

Country	Exemption applied for (species, area, gear type)	Species as bycatch or target	Number of vessels subject to the landing obligation	Landings (by landing obligation subject vessels)	Estimated Discards	Estimated Catch	Discard Rate	Estimated discard survival rate from
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				vessels)				provided studies
IE	Plaice, VIIa and b-k	Bycatch	13	269	255	524	49%	8-73%
BE								
UK								
FR	Plaice, VIIa-k Beam trawls	Target and bycatch	19	84.64 t	57.33 t	141.97 t	40.4%	8-73%

#### Fish caught in pots, traps and creels in North Western Waters

Country	Exemption applied for (species, area, gear type)	Species as bycatch or target	Number of vessels subject to the landing obligation	Landings (by landing obligation subject vessels)	Estimated Discards	Estimated Catch	Discard Rate	Estimated discard survival rate from provided studies
Scotland	All fish species in area 6a caught in	bycatch	1,400	71,265t in	n/a	n/a	n/a	>90%

	pots, traps and creels			total; of which 15,977t of nephrops; and 3,739t of other species				
IE*	All fish species in 6a caught in pots, traps and creels	bycatch	575 < 10m 82 10-12m 19 12-18m (covers VI and VII)	15,123 t (mostly brown crab, lobster and whelk)	n/a	n/a	n/a	UK data

\*DC-MAP data for 2016

***De Minimis***

**Whiting using bottom trawls and seines with mesh size equal or greater than 80mm, pelagic trawls and beam trawls with mesh size of 80-119mm in the Eastern Channel (ICES division VIId)**

Country	Exemption applied for (species, area, gear type)	Species as bycatch or target	Number of vessels subject to LO	Estimated landings - gadoids (in tonnes) - 2016	Estimated discards - gadoids (in tonnes)	Estimated catch - gadoids (in tonnes)	Discard rate	Estimated de minimis maximum volume (in tonnes) - 5% exemption
FR	Whiting VIIId-IVc	By catches	6 seines	164 t	263 t	427 t	61.6%	21.4 t
FR	Whiting VIIId-IVc	Target and by catches	47 Bottom trawls >18m	2 637 t	1 569 t	4 206 t	37.3%	210.3 t
FR	Whiting Western VIIId	bycatch	120 bottom trawls <18m	81 t	166 t	246 t	67.2%	12.3 t
FR	Whiting Eastern VIIId	bycatch	115 bottom trawls <18m	14 t	71 t	85 t	83.1%	4.3 t
<b>NLD</b>	<b>Species : WHG</b> <b>Area : VIIId</b> <b>Gear type : SSC</b>	<b>bycatch</b>	<b>15</b>	<b>Gadoids: 585, of which WHG: 544</b>	<b>Gadoids: 560</b> <b>Of which WHG: 557</b>	<b>WHG: 1101</b>	<b>51%</b>	<b>55 t</b>

**Gadoids (cod, haddock, whiting) caught using bottom trawls, seines and beam trawls of greater than or equal to 80mm mesh size in the Celtic Sea and the Channel (ICES VIIb-c, e-k)**

Country	Exemption applied for (species, area, gear type)	Species as bycatch or target	Number of vessels subject to LO	Estimated landings - gadoids (in tonnes) - 2016	Estimated discards - gadoids (in tonnes)	Estimated catch - gadoids (in tonnes)	Discard rate	Estimated de minimis maximum volume (in tonnes) - 5% exemption
EU (mixed fishery)	<u>species:</u> whiting, haddock and cod  <u>area:</u> VII  <u>gear types:</u> TR1	target and by- catch	FR = 132  IE = 127	14414.74	8710.98	23125.73	27%	1002.88
EU (mixed fishery)	<u>species:</u> whiting, haddock and cod  <u>area:</u> VII  <u>gear types:</u> TR2	Target and bycatch	IE = 188  FR = 152  NL= 10	9097.84	5195.95	14293.80	53%	619.16

**Bycatch of pelagic species (mackerel, horse mackerel, herring, boarfish, greater silver smelt) caught by vessels using bottom trawls and seines, and beam trawls in ICES subarea VI and VIIb-k**

Country	Exemption applied for (species, area, gear type)	Species as bycatch or target	Number of vessels subject to LO	Estimated landings - gadoids (in tonnes) - 2016	Estimated discards - gadoids (in tonnes)	Estimated catch - gadoids (in tonnes)	Discard rate	Estimated de minimis maximum volume (in tonnes) - 5% exemption
EU (mixed fishery)	species: horse mackerel, mackerel, herring, boarfish  area: VII  gear types: bottom trawls and seines	bycatches	FR = 152 of which 6 seiners	175.2 t	1 939.19 t	2 114.39 t	91.7%	105.77 t
IE*	Mackerel, horse mackerel, herring, boarfish, greater silver smelt; Bottom trawls and seines, beam trawls; Area VI	bycatch		0 tonnes (all species)	Mackerel – 7t Herring – 13t Horse mackerel – 14.5t Argentine and Boarfish – no discards	Mackerel – 7t Herring – 13t Horse mackerel – 14.5t Argentine and Boarfish – no catch	100% - Mackerel, horse Mackerel and herring	NA

IE*	Mackerel, horse mackerel, herring, boarfish, greater silver smelt; Bottom trawls and seines, beam trawls; Area VIIb-k	bycatch		Mackerel – 9t Herring – 86t Horse mackerel – 1 t Boarfish and Argentine – no landings	Mackerel – 106t Herring – 584t Horse mackerel – 204t Boarfish and Argentine – no discards	Mackerel – 115t Herring – 670t Horse mackerel – 205t Boarfish and Argentine – no catches	Mackerel – 92% Herring – 87% Horse mackerel – 99.5%	NA
NLD	Area : VIId, VIle	Bycatch / target	15	324 ton Of which : MAC : 166 HER : 1 HOM : 157	MAC: 208 HER: 999 HOM: -	MAC: 374 HER: 1000 HOM: 157	MAC: 57% HER: 100% HOM: 0%	

\*STECF catch data 2016 (FDI database)