

11.2.5 NEAFC request to ICES on the catch by stock and year, inside and outside the NEAFC regulatory area

ICES response

ICES has estimated the landings by stock for the fish stocks managed by NEAFC, taken within and outside the NEAFC regulatory area in 2012–2014. These estimates are provided in the “Basis of the advice” section.

Request

NEAFC has requested ICES to provide information on catches within and outside the NEAFC regulatory area, of NEAFC managed stocks.

Elaboration on the response

The ICES fisheries statistic area is FAO fishing area 27. The ICES area outside the EEZs is equal to the NEAFC regulatory area. ICES revised its fisheries statistic areas a few years ago to match the EEZ borders. This means that all ICES subdivisions are now either 100% inside or 100% outside EEZ borders. However, as not all countries use these subdivisions when reporting landings, the ICES landings statistics database could only be partly used in the current exercise of splitting the landings by stock into landings within and outside the NEAFC regulatory area. Data for estimation of landings within and outside the NEAFC regulatory area were therefore obtained from other sources in addition to the ICES landings statistics database, i.e. NEAFC official landings statistics (split by within and outside the EEZs and available for 2012 and 2013) as well as other information ICES normally uses for estimating catches by stock (e.g. catch by depth, biological samples, observer data). A more complete account is given in ICES (2013, 2014, 2015a).

The reported landings data for years prior to 2012 are much less specific on whether the catches were taken within or outside the EEZs and have therefore not been included in the present analysis.

Suggestions

ICES suggests that NEAFC Contracting Parties continue the progress in reporting their landings by ICES subdivision as defined in 2006, to take the EEZ borders into account.

It would benefit ICES use of the statistics in its advisory work if NEAFC would keep the different international areas in the northeast Atlantic separate in their reporting, i.e. ICES Subdivisions IIa₁ and IIb₁ and ICES Division Ia. At present NEAFC reports landings from the international waters in the Norwegian and Barents Seas into one area group called XNE. ICES suggests that NEAFC might instead consider using XBS for ICES Division Ia, XNS for ICES Subdivisions IIa₁ and IIb₁, and XRR for the international waters in the Irminger Sea. These three-letter codes are already being used by Norway.

Basis of the advice

Deep-water stocks

Table 11.2.5.1 gives the data on landings from inside and outside EEZs for all deep-water stocks except skates, rays, and sharks. For the latter only catches of one tonne from areas outside EEZs were reported in 2012 and 2013 to the ICES landings database (2014 statistics are not yet available); these catches are longnose velvet dogfish in ICES Subdivision VIb₁ in 2012. A small inconsistency in the NEAFC database is identified for this species: two tonnes are reported in the NEAFC database compared to only one tonne in ICES landings database. For all other skates, rays, and sharks, landings are taken within the EEZ according to both the ICES landings database and the NEAFC database.

Table 11.2.5.1 ICES estimates of landings in tonnes of deep-water stocks within and outside the NEAFC regulatory area.

Stock	NEAFC regulatory area						Location of NEAFC fisheries	ICES subareas, divisions, and subdivisions	Description of NEAFC fisheries
	Outside	Within	Outside	Within	Outside	Within			
	2012		2013		2014				
Ling Va	10925	0	11657	0	NA	NA	NA	NA	NA
Ling Vb	6003	0	4086	0	6684	0	NA	NA	NA
Ling I, II	9343	0	9027	0	NA	NA	NA	NA	NA
Ling – other stocks	16056	0	18652	180	NA	NA	Rockall Bank	VIb ₁	Longline fisheries on Rockall Bank. The majority of the fishery occurs within the EU fishing zone, but it extends slightly into the NEAFC regulatory area.
Blue ling Va, XIV	4419	0	2525	0	NA	NA	NA	NA	NA
Blue ling Vb, VI, VII	2809	711	2651	34	2948	1	Rockall, Hatton, and Lousy Banks	Vb _{1a} , VIb ₁	Mixed deep-water trawl fisheries on Rockall and Hatton Banks. Longline fishery on Lousy Bank.
Blue ling – other stocks	503	633	214	255	160	80	Hatton Bank	XIIb	Landings in Division XIIb come from the same fishery and assessment unit as those in Division VIb.
Tusk Va, XIV	6387	0	6283	0	NA	NA	NA	NA	NA
Tusk I,II	10379	0	8637	0	NA	NA	NA	NA	NA
Tusk Mid-Atlantic Ridge	0	18	0	0	0	0	Mid Atlantic Ridge	XII, XIV	Sporadic small catches have occurred in the past.

Stock	NEAFC regulatory area						Location of NEAFC fisheries	ICES subareas, divisions, and subdivisions	Description of NEAFC fisheries
	Outside	Within	Outside	Within	Outside	Within			
	2012		2013		2014				
Tusk Vlb	233	0	48	9	NA	NA	Rockall Bank	Vlb ₁	Longline fisheries on Rockall Bank. The majority of the fishery occurs within the EU fishing zone, but it extends very slightly into NEAFC waters.
Tusk – other areas	6848	0	4863	5	NA	NA	Lousy Bank	Vb _{1a}	Longline fisheries in Subdivision Vb _{1a} . The majority of the fishery occurs within the Faroes EEZ, but it extends very slightly into NEAFC waters.
Great silver smelt Va	9290	0	7154	0	NA	NA	NA	NA	NA
Great silver smelt – other stocks	29027	0	30709	0	NA	NA	NA	NA	NA
Orange roughy VI	0	0	0	0	0	0	NA	NA	NA
Orange roughy VII	0	0	0	0	0	0	NA	NA	NA
Orange roughy – other stocks	0	167	55	0	0	58	Mid-Atlantic Ridge	X, XII	Directed fisheries have occurred on the Mid-Atlantic Ridge in the past.
Roundnose grenadier – Vb, VI, VII, XIIb	3556	8579	964	2779	806	1261	Rockall and Hatton Banks	Vlb ₁ , XIIb	Mixed deep-water trawl fisheries on Rockall and Hatton Banks. Landings figures presented here include official landings data and "unallocated" landings derived from observer data.
Roundnose grenadier IIIa, IV	0	0	0	0	NA	NA	NA	NA	NA
Roundnose grenadier – other areas	101	0	0	0	NA	NA	NA	NA	NA

Stock	NEAFC regulatory area						Location of NEAFC fisheries	ICES subareas, divisions, and subdivisions	Description of NEAFC fisheries
	Outside	Within	Outside	Within	Outside	Within			
	2012		2013		2014				
Roundnose grenadier Mid-Atlantic Ridge	0	9202	0	1789	0	3477	NA	NA	Recently developed deep-water trawl fishery on the Mid-Atlantic Ridge. In previous years, ICES landings data have included considerable "unallocated" landings derived from observer data. However, in 2013 observer estimates did not exceed official landings so there were no unallocated landings in this fishery.
Black scabbardfish Vb, VI, VII, XII	2396	1444	2738	549	3063	303	Rockall and Hatton Banks	Vlb ₁ , XIIb	Mixed deep-water trawl fisheries on Rockall and Hatton Banks. Landings figures presented here include official landings data and "unallocated" landings derived from observer data. In 2013, 455 tonnes were unallocated.
Black scabbardfish VIII, IX	2731	0	2021	0	NA	NA	NA	NA	NA
Black scabbardfish – other stocks	823	4	528	0	0	30	Mid-Atlantic Ridge	X, XII	.
Greater forkbeard – all stocks	1813	0	1836	0	NA	NA	NA	NA	NA
<i>Beryx</i> spp – all areas	605	10	254	0	272	0	Mid-Atlantic Ridge	Xb	
Red seabream IX	283	0	180	0	NA	0	NA	NA	NA
Red seabream X	613	0	692	0	NA	0	NA	NA	NA
Red seabream VI, VII, VIII	227	0	156	0	NA	0	NA	NA	NA
Roughhead grenadier	NA	NA	57	1192	0	655	Mid-Atlantic Ridge, Hatton Bank	NA	Recently developed deep-water trawl fishery on the Mid-Atlantic Ridge. Also reported from fisheries in the Hatton/Rockall area.

Non-deep-water stocks

Table 11.2.5.2 ICES estimates of landings (tonnes) in 2012–2014 of non-deep-water stocks within and outside the NEAFC regulatory area.

ID no.	Stock	NEAFC regulatory area						Source
		Outside	Within	Outside	Within	Outside	Within	
		2012		2013		2014		
1	Beaked redfish (<i>Sebastes mentella</i>) in Division Va and Subarea XIV (Icelandic Slope stock)	11965	0	8761	0	9500	0	ICES (2015b)
2	Beaked redfish (<i>Sebastes mentella</i>) in Subareas V, XII, XIV and NAFO Subareas 1+2 (Shallow pelagic stock < 500 m deep)	3173	0	1476	53	866	5557	ICES (2015b)
3	Beaked redfish (<i>Sebastes mentella</i>) in Subareas V, XII, XIV and NAFO Subareas 1+2 (Deep pelagic stock > 500 m deep)	5530	27276	5274	40778	603	23152	ICES (2015b)
4	Beaked redfish (<i>Sebastes mentella</i>) in Division XIVb (Demersal)	6572	0	6597	0	4608	0	ICES (2015b)
5	Golden redfish (<i>Sebastes norvegicus</i>) in Subareas V, VI, XII, and XIV	45635	0	53263	0	50736	0	ICES (2015b)
6	Capelin in Subareas I and II, excluding Division IIa west of 5°W (Barents Sea capelin)	296000	0	177000	0	66000	0	ICES (2015c)
7	Cod in Subareas I and II (Northeast Arctic cod)	727284	379	966206	2207	985915	534	ICES (2015c)
8	Haddock in Subareas I and II (Northeast Arctic)	315622	5	193705	39	177617	0	ICES (2015c)
9	Greenland halibut in Subareas I and II	20288	0	22131	36	22033	211	ICES (2015c)
10	Beaked redfish (<i>Sebastes mentella</i>) in Subareas I and II	3573	7486	2947	6527	14296	4020	ICES (2015c)
11	Golden redfish (<i>Sebastes norvegicus</i>) in Subareas I and II	5517	0	5609	0	4169	0	ICES (2015c)
12	Saithe in Subareas I and II (Northeast Arctic)	160865	0	131806	0	130408	0	ICES (2015c)

ID no.	Stock	NEAFC regulatory area						Source
		Outside	Within	Outside	Within	Outside	Within	
		2012		2013		2014		
13	Cod in Division VIb (Rockall)	23	0	14	0	15	0	ICES statistics 2012 and 2013 and assuming the same ratio for 2014, combined with ICES advice catch.
14	Haddock in Division VIb (Rockall)	679	31	826	142	NA	NA	NEAFC statistics combined with ICES advice total catch, assuming that the NEAFC data on catches in the regulatory area is correct.
15	Whiting in Division VIb (Rockall)	1	0	3	0	28	0	ICES statistics 2012 and 2013 and assuming the same ratio for 2014, combined with ICES advice catch.
16	Herring in Subareas I, II, V and Divisions IVa and XIVa (Norwegian spring-spawning herring)	783263	43341	617357	70375	412366	31722	ICES (2015d)
17	Mackerel in the Northeast Atlantic (combined Southern, Western, and North Sea spawning components)	843130	51554	867934	65231	1262760	131694	ICES (2015d), based on catch by rectangles and raised to total catch. Some rectangles are in both an EEZ and the NEAFC area. It is assumed that any rectangle with more than approximately 50% of its area within the NEAFC area has its catches counted towards the NEAFC total.
18	Blue whiting in the Northeast Atlantic	321016	63000	515837	110000	NA	NA	Total catch from ICES (2015d) and NEAFC data on catches in the regulatory area.
19	Capelin Iceland	684400	0	541000	0	187200	0	ICES (2015b)

Sources and references

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ICES. 2015a. Report of the Working Group on Biology and Assessment of Deep-sea Fisheries Resources (WGDEEP), 20–27 March 2015, Copenhagen, Denmark. ICES CM 2015/ACOM:17. 738 pp.

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