

Orange roughy (*Hoplostethus atlanticus*) in subareas 1–10, 12 and 14 (the Northeast Atlantic and adjacent waters)

ICES advice on fishing opportunities

ICES advises that when the precautionary approach is applied, there should be zero catch in each of the years 2021–2024.

Note: This advice sheet is abbreviated due to the Covid-19 disruption. The previous advice issued for 2017–2020 is attached as Annex 1.

Stock development over time

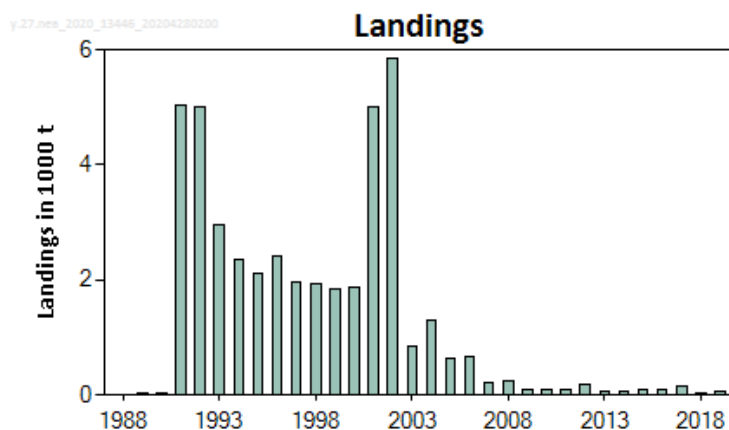


Figure 1 Orange roughy in the Northeast Atlantic. ICES estimates of international landings (in thousand tonnes).

Stock and exploitation status

Table 1 Orange roughy in the Northeast Atlantic. State of the stock and the fishery relative to reference points.

		Fishing pressure			Stock size					
		2017	2018	2019	2017	2018	2019			
Maximum sustainable yield	F_{MSY}	?	?	?	Undefined	$MSY B_{trigger}$?	?	?	Undefined
Precautionary approach	F_{pa}, F_{lim}	?	?	?	Undefined	B_{pa}, B_{lim}	✗	✗	✗	Below possible reference points
Management plan	F_{MGT}	—	—	—	Not applicable	B_{MGT}	—	—	—	Not applicable
Qualitative evaluation	-	?	?	?	Unknown	-	✗	✗	✗	Very low

Catch scenarios

Table 2 Orange roughy in the Northeast Atlantic. For stocks in ICES categories 3–6, one catch option is provided.

Advised catches for 2017–2020, issued in 2016	0 tonnes
Discard rate	Unknown
Precautionary buffer	Not applied
Catch advice*	0 tonnes

* Equal to [Advised catches for 2017–2020].

Issues relevant for the advice

In subareas 6 and 7, this species is classified as Category 2 in the NEAFC categorization of deep-sea species/stocks, which implies that NEAFC requires measures stipulating that directed fisheries are not authorized and that bycatches should be minimized (NEAFC, 2016).

In Subarea 10, this species is classified as Category 1 in the NEAFC categorization of deep-sea species/stocks, which implies that NEAFC requires stock-specific management measures, since the entire, or a significant proportion of the catch, is taken in the NEAFC Regulatory Area (NEAFC, 2016).

History of the advice, catch, and management

Table 3 Orange roughy in the Northeast Atlantic. History of ICES advice, the agreed TAC, and ICES landings. Weights are in tonnes.

Year	ICES advice	Predicted catch corresp. to advice	EU TAC subareas 1–5, 8–12, and 14*	EU TAC Subarea 6**	EU TAC Subarea 7**	Total EU TAC subareas 1–12 and 14	ICES landings
2003	Exploitation strictly limited and populations closely monitored. No direct fishery in Subarea VI	-	-	88	1349	1437	859
2004	Biennial	-	-	88	1349	1437	1311
2005	No fishery unless accompanied by programmes to collect data	0	102	88	1148	1338	629
2006	Biennial	0	102	88	1148	1338	671
2007	No direct fishery, bycatch in mixed fishery as low as possible	0	44	51	193	288	212
2008	Biennial	0	30	34	130	194	250
2009	No direct fishery, bycatch in mixed fishery as low as possible	0	15	17	65	97	84
2010	Biennial	0	0	0	0	0	82
2011	No directed fisheries and measures to minimize bycatch	0	0	0	0	0	108
2012	No new advice, same as 2011		0	0	0	0	185
2013	No directed fisheries and measures to minimize bycatch	0	0	0	0	0	71
2014	No new advice, same as 2013	0	0	0	0	0	58
2015	No directed fisheries and measures to minimize bycatch	0	0	0	0	0	90
2016	No new advice, same as 2015	0	0	0	0	0	94
2017	Precautionary approach (same value as advised catches for 2016)	0	0	0	0	0	150
2018	Precautionary approach (same value as advised catches for 2016)	0	0	0	0	0	30

Year	ICES advice	Predicted catch corresp. to advice	EU TAC subareas 1–5, 8–12, and 14*	EU TAC Subarea 6**	EU TAC Subarea 7**	Total EU TAC subareas 1–12 and 14	ICES landings
2019	Precautionary approach (same value as advised catches for 2016)	0	0	0	0	0	60
2020	Precautionary approach (same value as advised catches for 2016)	0	0	0	0	0	
2021	Precautionary approach	0					
2022	Precautionary approach (same value as advised catches for 2021)	0					
2023	Precautionary approach (same value as advised catches for 2021)	0					
2024	Precautionary approach (same value as advised catches for 2021)	0					

* Annual total catches of any contracting party not to exceed 150 tonnes in the Northeast Atlantic Fisheries Commission (NEAFC) Regulatory Area, excluding subareas 5, 6, and 7.

** No directed fishery in the NEAFC Regulatory Area of subareas 5, 6, and 7.

Table 4 Orange roughy in the Northeast Atlantic. Landings inside and outside the NEAFC Regulatory Area (RA) as estimated by ICES. Landings are in tonnes.

Year	Inside the NEAFC RA (tonnes)	Outside the NEAFC RA (tonnes)	Total landings (tonnes)	Proportion inside the NEAFC RA (%)
2014	48	0	48	100
2015	84	6	90	93
2016	93	1	94	99
2017	150	0	150	100
2018	30	0	30	100
2019	60	0	60	100

Summary of the assessment

There is no assessment for orange roughy in this area.

Sources and references

ICES. 2020. Working Group on the Biology and Assessment of Deep-sea Fisheries Resources (WGDEEP). ICES Scientific Reports, 2:38. <http://doi.org/10.17895/ices.pub.6015>.

NEAFC. 2016. The NEAFC approach to conservation and management of deep-sea species and categorization of deep-sea species/stocks. Adopted at the 35th Annual Meeting, November 2016. <https://www.neafc.org/basictexts>.

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