



45th ANNUAL MEETING OF NAFO - SEPTEMBER 2023

NAFO Quota Table 2024 – NAFO CEM Annex I.A and I.B including a comparison of the Scientific Councils advice on NAFO fish stocks and the management measures decided by the Commission

This document outlines the quota and effort allocation decisions made by the Commission for 2024. The document is broken down into two parts:

Part 1: Annex I of the NAFO CEM for 2024 including the total allowable catches (TACs) and quotas (metric tons) for 2024 of particular stocks in Subareas 1-4 and 6 of the NAFO Convention Area and Effort Allocation for Shrimp Fishery in the NAFO regulatory Area Div. 3M, 2024.

Part 2: A comparison of the Scientific Councils advice on NAFO fish stocks and the management measures decided by the Commission.



Part 1.

(2024)
ANNEX I – FISHERIES MANAGEMENT
Annex I.A – Annual Quota Table

CATCH LIMITATIONS 2024–Article 5. Total allowable catches (TACs) and quotas (metric tons in live weight) for 2024 of particular stocks in Subareas 1–4 and 6 of the NAFO Convention Area.

Species Stock Specification	Cod				Redfish				American plaice		Yellowtail	
	COD 3L	COD 3M		COD 3NO	RED 3LN		RED 3M	RED 3O	REB 1F_2_3K (i.e. Sub-Area 2 and Divs. 1F+3K)	PLA 3LNO	PLA 3M	YEL 3LNO
% of TAC			% of 3M Cod TAC			% of 3LN Redfish TAC						
Contracting Party												
Canada		93.7	0.80	0	7 710	42.60	500	6 000	0 ¹	0	0	15 171
Cuba		433.2	3.70	-	1 774	9.80	1 750	-	0 ¹	-	-	-
Denmark (Faroe Islands & Greenland)		2 616.7	22.35	-	-		69 ¹⁰	-	0	-	-	-
European Union		5 585.9 ⁵	47.71	0 ⁴	3 300 ⁴	18.23	7 813 ⁴	7 000	0 ⁷	0	0 ⁴	-
France (St. Pierre et Miquelon)		-		-	-		69 ¹⁰	-	0 ¹	-	-	311
Iceland		-		-	-		-	-	0	-	-	-
Japan		-		-	-		400	150	0 ¹	-	-	-
Korea		-		-	-		69 ¹⁰	100	0 ¹	-	-	-
Norway		1 083.0	9.25	-	-		-	-		-	-	-
Russian Federation		757.5	6.47	0	5 207	28.77	9 137	6 500	0	-	0	-
Ukraine		-		-	-		-	150	0 ¹	-	-	-
United Kingdom		1 091.2	9.32	-	-		-	-	-	-	-	-
United States of America		-		-	-		69 ¹⁰	-	0 ¹	-	-	-
Others		46.8	0.40	0	109	0.60	124	100	-	0	0	78
TOTAL ALLOWABLE CATCH	*	11 708	100.0 ¹³	*	18 100	100.0 ¹⁴	17 503	20 000 ⁸	0 ^{3,9}	*	*	15 560

Annex I.A (2024)

Species	Witch			White hake	Capelin	Skates	Greenland halibut	Squid (<i>Illex</i>)	Shrimp		Alfonsino
Stock Specification	WIT 3L	WIT 3NO		HKW 3NO	CAP 3NO	SKA 3LNO	GHL 3LMNO	SQI 3_4 (i.e. Sub-areas 3+4)	PRA 3L	PRA 3NO	ALF 6 (i.e. Sub-area 6)
% of TAC			% of 3NO Witch TAC								
Contracting Party											
Canada		820	60.00	294	0	1 167	1 684	N.S. ²	0		
Cuba		-		-	0	-	-	510	0		
Denmark (Faroe Islands & Greenland)		-		-	-	-	193	-	0		
European Union		181 ⁴	13.27	588	0 ⁵	4 408	6 583 ⁶	<u>N.S.²</u> 611 ⁵	0 ⁶		
France (St. Pierre et Miquelon)		-		-	-	-	184	453	0		
Iceland		-		-	-	-	-	-	0		
Japan		-		-	0	-	1 151	510	0		
Korea		-		-	-	-	-	453	0		
Norway		-		-	0	-	-	-	0		
Russian Federation		352	25.73	59	0	1 167	1 433	749	0		
Ukraine		-		-	-	-	-	-	0		
United Kingdom		-		-	-	-	-	-	-		
United States of America		-		-	-	-	-	453	0		
Others		14	1.00	59	-	258		794	0		
TOTAL ALLOWABLE CATCH	*	1 367	100.00 ¹⁵	1 000	*	7 000 ¹²	11 228	34 000 ⁸	0 ⁸	* ⁸	*



Annex I.A (2024)

Symbol	Definition
-	Contracting Party does not have a quota allocation
*	Ban on fishing in force
0	Contracting Party has quota, but the TAC is zero
Blank	No quota allocation defined

- ¹ Quota to be shared by vessels from Canada, Cuba, France (St. Pierre et Miquelon), Japan, Korea, Ukraine and USA.
- ² The allocations to these Contracting Parties are as yet undetermined, although their sum shall not exceed the difference between the total of allocations to other Contracting Parties and the TAC (= 29.467 tonnes).
- ³ Should NEAFC modify its level of TAC, these figures shall be adjusted accordingly by NAFO through a mail vote.
- ⁴ Including allocations to Estonia, Latvia and Lithuania in accordance with the sharing arrangement of the former USSR quota adopted by the Fisheries Commission in 2003 (FC WP 03-7), as applied by NAFO since 2005 following their accession to the European Union.
- ⁵ Including allocations to Estonia, Latvia and Lithuania in accordance with the sharing arrangement of the former USSR quota adopted by the Fisheries Commission in 2003 (FC WP 03-7), and to Poland, as applied by NAFO since 2005 following their accession to the European Union.
- ⁶ Including allocations to Estonia, Latvia, Lithuania and Poland, as applied by NAFO since 2005 following their accession to the EU.
- ⁷ Allocation of 17.85% to Lithuania and 2.15% to Latvia following their accession to the European Union.
- ⁸ Applicable to 2024 and 2025.
- ⁹ If an increase in the overall TAC as defined in footnote 3 leads to an increase in these shares, the first 500 tonnes of that increase shall be added to the quota share referred to in footnote 1.
- ¹⁰ Notwithstanding the provision of Article 5.3(b) and without prejudice to future agreements on allocations, these quotas may be fished in their entirety by these Contracting Parties.
- ¹¹ Applicable to 2024, 2025, and 2026.
- ¹² Should catches exceed 4 500 tonnes, additional measures would be adopted to further restrain catches in 2023 and in 2024.

Historical statements

- ¹³ The allocation key of this stock is based on the 1998 Quota Table. In 1999, a moratorium on cod in Division 3M was declared.
- ¹⁴ The allocation key of this stock is based on the 1997 Quota Table. In 1998, a moratorium on redfish in Division 3LN was declared.
- ¹⁵ The allocation key of this stock is based on the 1994 Quota Table. In 1995, a moratorium on witch flounder in Division 3NO was declared.

**Annex I.B – Effort Allocation Scheme for Shrimp Fishery in the
NAFO Regulatory Area Div. 3M, 2024**

CONTRACTING PARTY	NUMBER OF FISHING DAYS¹
Canada	0
Cuba	0
Denmark	
– Faroe Islands	0
– Greenland	0
European Union	0
France (in respect of St. Pierre et Miquelon)	0
Iceland	N/A
Japan	0
Korea	0
Norway	0
Russia	0
Ukraine	0
United Kingdom	0
USA	0
TOTAL	0

¹ When the scientific advice estimates that the stock shows signs of recovery, the fishery shall be re-opened in accordance with the effort allocation key in place for this fishery at the time of the closure.

Part 2. A comparison of the Scientific Councils advice on NAFO fish stocks and the management measures decided by the Commission.

Fish Stock(s)	Scientific Advice	Year of decision	Management measures
Cod in Division 3M	<p>Catches up to $3/4 F_{lim}$ are projected to result in a very low probability ($\leq 10\%$) of the stock going below B_{lim} and of fishing mortality exceeding F_{lim} in 2024. All fishing scenarios with fishing mortality less than $2/3 F_{lim}$ are projected to promote growth in SSB.</p> <p>SC therefore advises that exploitation should not exceed $2/3 F_{lim}$ in 2024 (SCS Doc. 23/18).</p>	2023	The Commission agreed to set the TAC at $2/3 F_{lim}$ in 2024, corresponding to a TAC of 11 708 t.
Cod in Division 3NO	No directed fishing in 2022 to 2024 to allow for stock rebuilding. Bycatch of cod in fisheries targeting other species should be kept at the lowest possible level. Projections of the stock were not performed but given the poor strength of all year-classes subsequent to 2006, the stock will not reach B_{lim} in the next three years (SCS Doc. 21/14(Rev.)).	2021	It was agreed to maintain the moratorium applicable to 2022, 2023, and 2024 (COM Doc. 21-21 (Rev.)).
Redfish in Divisions 3LN	<p>Available data indicate that biomass is at or below the long-term mean. The stock appears to be above the interim limit reference point (B_{lim}). In the absence of Canadian spring surveys in 2020 and 2021 proxy fishing mortality cannot be determined for those years. However, it is unlikely that levels of fishing mortality have changed substantially. Recruitment has been below the long-term average since the mid-2010s.</p> <p>Scientific Council advises that catches should not exceed their current level of 11 500 t (the mean of the last 5 years) (SCS Doc. 22/18).</p>	2022	It was agreed to set the TAC at 18 100 tonnes, applicable to 2023 and 2024 (COM Doc. 22-27).
Redfish in Division 3M	Some instability in the assessment results compared to previous assessments was evident. SC was not able to resolve the reason for this retrospective pattern and this adds uncertainty to the projection results.	2023	The Commission agreed to set the TAC to 17 503 t in 2024.

Fish Stock(s)	Scientific Advice	Year of decision	Management measures
	<p>Given the uncertainty in the projections, this stock will be reassessed in 2024, and therefore SC is providing advice for only one year. The TAC corresponding to a fishing mortality of F0.1 would be 21 888 t in 2024.</p> <p>However, SC advises that fishing mortality be kept at the current level, corresponding to a TAC of 17 503 t in 2024 (SCS Doc. 23/18).</p>		
Redfish in Division 30	<p>The stock is below an interim survey-based proxy for B_{MSY} but above the limit reference point ($B_{lim} = 0.3_{MSY}$-proxy) with a probability >99%. There is insufficient information on which to base predictions of annual yield potential. Catches have averaged about 9 000 t over the period used for the MSY proxy calculation (1991 -2021). Scientific Council is unable to advise on an appropriate TAC for 2023, 2024 and 2025 (SCS Doc. 22/18).</p>	2022	It was agreed to rollover the TAC of 20 000 tonnes applicable to 2023, 2024, and 2025 (COM Doc. 22-27).
Pelagic <i>Sebastes mentella</i> (oceanic redfish) in Subarea 2 + Divisions 1F and 3K	<p>ICES advises that when the precautionary approach is applied, there should be zero catch in each of the years 2022, 2023, and 2024.</p> <p>Scientific Council endorsed the conclusions of both the ICES assessment results and its advice (SCS Doc. 22/18).</p> <p>No new stock assessment for Pelagic <i>Sebastes mentella</i> was done in 2023. Current advice from ICES is valid until 2024 (COM WP 23-35).</p>	2023	The Commission agreed to maintain the ban on directed fishing for this stock in 2024.
American plaice in Divisions 3LNO	<p>Scientific Council recommends that, in accordance with the rebuilding plan, there should be no directed fishing on American plaice in Div. 3LNO in 2022, 2023 and 2024. Bycatch of American plaice should be kept to the lowest possible level and restricted to unavoidable bycatch in fisheries directing for other species (SCS Doc. 21/14 (Rev.)).</p>	2021	It was agreed to maintain the moratorium applicable to 2022, 2023, and 2024 (COM Doc. 21-21 (Rev.)).

Fish Stock(s)	Scientific Advice	Year of decision	Management measures
American Plaice in Division 3M	The stock has recovered to the levels of the mid 1990s, however, recruitment has been poor since 2018. SC considers that there is not sufficient supporting evidence that the stock would be able to sustain a fishery at this time and recommends that there be no directed fishing in 2024, 2025 and 2026. Bycatch should be kept at the lowest possible level (SCS Doc. 23/18).	2023	The Commission agreed to maintain the moratorium applicable to 2024, 2025, and 2026.
Yellowtail flounder in Divisions 3LNO	Scientific Council advises that fishing mortality up to 75% F_{msy} , corresponding to catches of 15 560 t and 15 810 t in 2024 and 2025, respectively, have risk of no more than 30% of exceeding F_{lim} , and are projected to maintain the stock around B_{msy} with a low risk of being below B_{lim} (SCS Doc. 23/18).	2023	The Commission agreed on a TAC of 15 560 t for 2024 and 15 810 t for 2025.
Witch flounder in Divisions 3NO	In the projection period there is less than a 10% probability of being below B_{lim} , however the probability of exceeding F_{lim} is estimated to be above 30% in 2024 for F greater than $2/3 F_{MSY}$. Scientific Council therefore recommends that F should be no higher than $2/3 F_{MSY}$ (SCS Doc. 22/18).	2022	The Commission agreed on a TAC of 1 295 applicable to 2023, and 1 367 tonnes applicable to 2024 (COM Doc. 22-27).
White hake in Divisions 3NO	Stock status is unknown. Catches of white hake in 3NO should not increase above recent levels (the average of the most recent five years is around 400 tonnes) (SCS Doc. 23/18).	2023	The Commission agreed to roll over the TAC of 1000 t for 2024.
Capelin in Divisions 3NO	For 2022-2024, no directed fishery (SCS Doc. 21/14 (Rev.)).	2021	It was agreed to maintain the moratorium applicable to 2022, 2023, and 2024 (COM Doc. 21-21 (Rev.)).
Skates in Division 3LNO	The stock has been stable at recent catch levels in Div. 3LNO (approximately 3 710 t, 2017 - 2021) however, given the low resilience to fishing mortality and higher historic stock levels, Scientific Council advises no increase in catches (SCS Doc. 22/18).	2022	It was agreed to rollover the TAC of 7 000 tonnes applicable 2023 and 2024 (COM Doc. 22-27). Footnote 12 of the Quota Table revised to read: Should catches exceed 4 500 tonnes, additional measures would

Fish Stock(s)	Scientific Advice	Year of decision	Management measures
			be adopted to further restrain catches in 2023 and in 2024.
Greenland halibut in Sub-area 2 and Divisions 3KLMNO	<p>Exceptional Circumstances are occurring due to recent gaps in Canadian survey time series. However, sensitivity analyses indicate that the application of the HCR will still be appropriate. The TAC for 2024 derived from the HCR is 15 153 t (SCS Doc. 23/18).</p> <p>The NAFO Joint Commission-Scientific Council Working Group on Risk-Based Management Strategies (WG-RBMS) agreed to recommend to the Commission that the agreed Management Procedure be applied to set the TAC for 2024 (COM-SC Doc. 23-03).</p>	2023	The Commission agreed to set the TAC at 15 153 t for 2+3KLMNO Greenland halibut, resulting in a TAC of 11 228 t for 3LMNO Greenland halibut.
Northern shortfin squid in Subareas 3+4 ³	<p>Although the primary stock indices for Div. 4VWX were not available during 2021 and 2022, the 2022 biomass indices for both Divs. 3NO and Div. 3M EU summer surveys were near the lowest levels of their respective time series, suggesting that the stock has returned to a low productivity state.</p> <p>Scientific Council advises catches between 19 000 and 34 000 tonnes per year (two proxies for F_{lim}, the potential yield which the northern stock component may be able to sustain under a low productivity regime) (SCS Doc. 22/22).</p>	2022	It was agreed to rollover the TAC of 34 000 tonnes applicable to 2023, 2024, and 2025 (COM Doc. 22-27).
Northern Shrimp in Divisions 3LNO	No directed fishery in 2024 and 2025 as the stock is below B_{lim} with no indication of short-term recovery (NAFO/23-230).	2023	The Commission agreed to maintain the moratorium applicable to 2024 and 2025.
Splendid alfonsino in Subarea 6 ⁷	<p>The substantial decline in CPUE and catches on the Kükenthal peak in the past year indicates that the stock may be depleted.</p> <p>Scientific Council advises to close the fishery until biomass increases to exploitable levels.</p>	2019	Ban on fishing (COM Doc. 19-34 (Rev.)).

Fish Stock(s)	Scientific Advice	Year of decision	Management measures
Shrimp in Division 3M	<p>The stock continues to be below B_{lim}.</p> <p>To be consistent with the Precautionary Approach, Scientific Council advises that no directed fishery should occur in 2024 (NAFO/23-230).</p>	2023	The Commission agreed to maintain the moratorium applicable to 2024.