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SCIENTIFIC COUNCIL MEETING – JUNE 2022**Available Data from the Commercial Fisheries Related to Stock Assessment (2021) and Inventory of Biological Surveys Conducted in the NAFO Area in 2021 and Biological Surveys Planned for 2022 and Early-2023**

At its meetings in June 2002 and 2003, the Scientific Council (STACREC) agreed that three Tables which are usually compiled and presented as Tables 3, 4 and 5 in the STACREC report are important and need to be complete with information from all Scientific Council sources. Accordingly, STACREC in June 2002 **recommended** that *in future years the Secretariat compile the reports of research activities as a working document for the June Meeting, and that it then be presented to STACREC as a SCS document at its September Meeting.*

The attached Tables were drafted as Scientific Council Working Papers during the June 2022 Scientific Council Meeting and have been updated/corrected through correspondence.



Available data from the commercial fisheries related to stock assessment (2021). (+ means data available).

Biological Sampling								
Stock	Country¹	Catch	CPUE	Sex	Length	Age	Individual Wt.	Maturity
3M Cod	EU/PRT	+			+		+	
	EU/ESP	+		+	+		+	+
	EU/EST	+		+	+		+	+
	FRO	+		+	+	+	+	
	NOR	+			+			
	RUS	+						
	JPN	+						
3NO Cod	CAN	+						
	EU/ESP	+	+	+	+		+	
	EU/PRT	+	+		+			
	EU/EST	+	+	+				
	RUS	+			+			
SA 1 Redfish	FRO	+						
	GRL	+	+	+	+	+	+	+
3LN Redfish	CAN	+						
	EU/PRT	+			+			
	EU/ESP	+			+			
	EU/EST	+			+			
	RUS	+			+			
	JPN	+			+			
3M Beaked redfish	SPM	+						
	EU/PRT	+	+		+			
	EU/ESP	+			+			
	EU/EST	+			+			
	RUS	+						
	JPN	+			+			
3M Golden redfish	EU/PRT	+	+		+			
	EU/ESP	+			+			
	EU/EST	+			+			
	RUS	+						
	JPN	+			+			
30 Redfish	EU/PRT	+		+	+	+	+	
	EU/ESP	+	+	+	+			
	RUS	+	+	+	+			
	EU/EST	+						
	JPN	+						
	CAN	+			+	+	+	
3M American plaice	EU/PRT	+			+			
	EU/ESP	+						
	RUS	+						
	JPN	+						
3NO Witch flounder	CAN	+			+			
	EU/PRT	+			+			
	EU/ESP	+						
3LNO Yellowtail flounder	CAN	+			+		+	
	EU/PRT	+						
	EU/ESP	+	+		+		+	
	RUS	+						
	EU/EST	+	+	+	+		+	+
	JPN	+						
	USA	+			+			

3LNO American plaice	CAN	+		+	+	+	+	+
	EU/PRT	+			+			
	EU/ESP	+		+	+			
	RUS	+						
	EU/EST	+						
	USA	+						
SA 0 + 1 (offshore) Greenland halibut	CAN	+	+		+			
	RUS	+	+					
	GRL	+	+		+			
	NOR	+	+		+			
	EU/DEU	+	+		+			
	FRO	+	+					
SA 1A Greenland halibut	GRL	+	+	+	+	+	+	+
SA 2+3 Greenland halibut	CAN	+	+	+	+	+	+	
	EU/PRT	+	+	+	+			
	EU/ESP	+	+	+	+			
	EU/EST	+	+	+	+			
	RUS	+	+	+	+			
	JPN	+			+			
	FRO	+						
SA 2+3 Roughhead grenadier	EU/ESP	+		+	+		+	
	EU/EST	+						
	EU/PRT	+		+	+			
	RUS	+		+	+			
	CAN	+						
	JPN	+						
3NO Capelin	NO AVAILABLE DATA							
SA 3+4 Squid	CAN	+						
SA 6 Alfonsino	NO AVAILABLE DATA SINCE 2019							

Stock	Country ¹	Catch	CPUE	Sex	Length	Age	Individual Wt.	Maturity
SA 1 Wolffish	GRL	+	+		+			
3NOPs White Hake	CAN	+			+	+		
	EU/PRT	+		+				
	EU/ESP	+		+	+			
	RUS	+						
3LNOPs Thorny skate	CAN	+			+			
	EU/PRT	+		+	+			
	EU/ESP	+		+	+			
	RUS	+						
3LNO Shrimp²	CAN-N	+	+	+	+			+
(No commercial sampling since ndf was implemented in 2015)	EU/ESP	+	+	+	+			+
	EU/EST	+	+		+			
	FRO	+	+					
	GRL	+	+					
Denmark Strait Shrimp	GRL	+	+					
	EST	+	+					
	DNK	+	+					
	NOR	+	+					
SA 0+1 Shrimp	CAN	+	+ ²					
	GRL	+	+					

1 Country abbreviations NAFO 3-Alpha.

2 No CPUE data available from the Canadian fleet since 2011

Inventory of biological surveys conducted in the NAFO Area in 2021.

Stratified Random Surveys				No. of
Subarea/Division	Country	Month(s)	Type of survey	sets
3L	EU-ESP		*The strata were not surveyed corresponding to Div. 3L due to the pandemic situation caused by COVID-19.	
3M	EU-ESP+PRT	7, 8	Groundfish	183
3NO	EU-ESP	6	Groundfish	117
4X	USA	6	Line transect surveys from NOAA Twin Otter	0
4X, 4Y	USA	5	Spring Ecosystems Monitoring Survey	7
4X, 4Y	USA	5	Spring Multi-species Bottom Trawl Survey	4
4X, 4Y	USA	8	Summer Ecosystem Monitoring Survey	11
4X, 4Y	USA	11	Autumn Multi-species Bottom Trawl Survey	7
5Y,Ze,Zw	USA	5	Spring Multi-species Bottom Trawl Survey	22
5Y,Ze,Zw	USA	5	Spring Ecosystems Monitoring Survey	51
5Y,Ze,Zw	USA	8	Summer Ecosystem Monitoring Survey	65
5Y,Ze,Zw	USA	9	Autumn Multi-species Bottom Trawl Survey	8
5Y,Ze,Zw	USA	10	Autumn Multi-species Bottom Trawl Survey	43
5Y,Ze,Zw	USA	10	Fall Ecosystems Monitoring Survey	23
5Y,Ze,Zw	USA	11	Autumn Multi-species Bottom Trawl Survey	9
5Y	USA	1,3,4,5,6	Line transect surveys from NOAA Twin Otter	0
5Y	USA	6,7,8	Northern Shrimp Survey	81
5Y	USA	10,11	Autumn Multi-species Bottom Trawl Survey	50
5Y	USA	4,5,10,11	Gulf of Maine Cooperative Bottom Longline Survey	84
5Z	USA	4,5,10,11	Gulf of Maine Cooperative Bottom Longline Survey	8
5Z	USA	4,5	Spring Multi-species Bottom Trawl Survey	92
5Z	USA	10,11	Autumn Multi-species Bottom Trawl Survey	127
5Z	USA	5,6	Sea Scallop Dredge Survey	122
5Ze	USA	4,5,6,	Line transect surveys from NOAA Twin Otter	0
5Zw, Ze	USA	8	Surfclam & Ocean Quahog Dredge Survey	9
6A	USA	1	Line transect surveys from NOAA Twin Otter	0
6A	USA	3,4	Spring Multi-species Bottom Trawl Survey	52
6A	USA	9,10	Spring Multi-species Bottom Trawl Survey	61
6B	USA	3,4	Spring Multi-species Bottom Trawl Survey	44
6B	USA	9,10	Autumn Multi-species Bottom Trawl Survey	47
6A,B,C,D	USA	3	Spring Multi-species Bottom Trawl Survey	30
6A,B,C,D	USA	4	Spring Multi-species Bottom Trawl Survey	7
6A,B,C,D	USA	5	Spring Ecosystems Monitoring Survey	26
6A,B,C,D	USA	8	Summer Ecosystem Monitoring Survey	24
6A,B,C,D	USA	9	Fall Multi-species Bottom Trawl Survey	42
6A,B,C,D	USA	10	Spring Multi-species Bottom Trawl Survey	1
6A,B,C,D	USA	10	Fall Ecosystems Monitoring Survey	46
6A,B,C	USA	5	Sea Scallop Dredge Survey	40
6A,B,C	USA	8	Surfclam & Ocean Quahog Dredge Survey	170

Other Surveys

Subarea/Division	Country	Month(s)	Type of Survey	No. of sets
3M	DFG (Faroe Islands)	6-7	Longline survey targeting cod covering waters shallower than 500m	101 sets of 6000 hooks each
4X,Y	USA	8	AMAPPS - Cetacean biology	25
4X,Y	USA	8	Summer Ecosystem Monitoring Survey	2
4X,Y	USA	5	Spring Ecosystems Monitoring Survey	2
5Y,Ze,Zw	USA	3	Right whale survey	12
5Y,Ze,Zw	USA	5	Spring Ecosystems Monitoring Survey	14
5Y,Ze,Zw	USA	6	AMAPPS- Cetacean Biology	3
5Y,Ze,Zw	USA	7	AMAPPS- Cetacean Biology	23
5Y,Ze,Zw	USA	8	AMAPPS- Cetacean Biology	31
5Y,Ze,Zw	USA	8	Right whale survey	23
5Y,Ze,Zw	USA	8	Summer Ecosystem Monitoring Survey	31
5Y,Ze,Zw	USA	10	Fall Ecosystems Monitoring Survey	10
5Zw	USA	1, 3, 4, 6	Line transect surveys from NOAA Twin Otter	0
5Ze	USA	5, 6	Sea Scallop Stereo-Optic Camera Transect Survey	2060
5Zw	USA	8	Mesopelagic Exploration	0
6A,B,C,D	USA	6	AMAPPS - Cetacean biology	116
6A,B,C,D	USA	7	AMAPPS - Cetacean biology	1
6A,B,C,D	USA	8	AMAPPS - Cetacean biology	35
6B	USA	5	Sea Scallop Stereo-Optic Camera Transect Survey	349
5Z,5Y,4X,4W,4VN, 4T, 5zW, 5zE	USA	1 -12	Right whale aerial surveys: Marine mammal distribution	0

Biological surveys planned for the NAFO Area in 2022 and early-2023.
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Subarea/Division	Country	Type of Survey	Dates
		Stratified-Random Surveys	
3LNO	EU-ESP	Groundfish	Jun-Aug
3M	EU-ESP+PRT	Groundfish	Jul-Aug