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SCIENTIFIC COUNCIL MEETING – September 2015**Available Data from the Commercial Fisheries Related to Stock Assessment (2014) and Inventory of Biological Surveys Conducted in the NAFO Area in 2014 and Biological Surveys Planned for 2015 and Early-2016**

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 2015 Scientific Council Meeting and have been updated/corrected through correspondence.



Available data from the commercial fisheries related to stock assessment (2014). (+ means data available).

Biological Sampling								
Stock	Country ¹	Catch	CPUE	Sex	Length	Age	Individual Wt.	Maturity
3M Cod	EU/PRT	+			+	+	+	
	EU/ESP	+		+	+	+	+	+
	EU/EST	+		+	+		+	+
	EU/LIT	+		+	+		+	
	FRO	+			+		+	
	NOR	+						
	RUS	+			+			
3NO Cod	CAN	+	+	+	+	+	+	+
	EU/ESP	+	+	+	+	+	+	
	EU/PRT	+	+		+		+	
	EU/EST	+	+					
	USA	+						
	RUS	+			+			
SA 1 Redfish	GRL	+						
3M Redfish	CAN	+		+	+			
	CUB	+		+	+			
	EU/ESP	+		+	+			
	EU/EST	+		+	+			
	EU/LTU	+						
	EU/LVA	+						
	EU/PRT	+						
	FRA	+						
	FRO	+						
	RUS	+						
3LN Redfish	CAN	+		+	+			
	CUB	+		+	+			
	EU/ESP	+		+	+			
	EU/EST	+		+	+			
	EU/LTU	+						
	EU/LVA	+						
	EU/PRT	+						
	FRA-SP	+						
	FRO	+						
	RUS	+						
3O Redfish	CAN	+	+	+	+	+	+	
	EU/PRT	+	+	+	+			
	EU/ESP	+	+	+	+			
	RUS	+	+	+	+			
	EST	+	+					
3M American plaice	EU/PRT	+			+			
	EU/EST	+			+			
	EU/ESP	+			+			
	RUS	+			+			
3LNO American plaice	CAN	+		+	+	+	+	+
	EU/ESP	+		+	+			
	EU/EST	+						
	EU/PRT	+			+			
	FRA	+						
	(SPM)	+						
	RUS	+			+			
	USA	+			+			

3NO Witch flounder	CAN	+	+					
	EU/PRT	+				+		
	EU/ESP	+				+		
	EU/EST					+		
	RUS	+				+		
2J3KL Witch flounder	CAN	+				+		
	EU/PRT	+						
	EU/ESP	+						
	EU/EST	+						
	RUS	+				+		
3LNO Yellowtail flounder	CAN	+				+		
	EU/PRT	+				+		
	EU/ESP	+				+		+
	RUS	+						
	EU/EST	+				+		
USA		+						
SA 0 + 1B-F Greenland halibut	RUS	+	+			+		
	GRL	+	+			+		
	EU/GER	+						
	NOR	+				+		
	CAN	+	+					
SA 1A Greenland halibut	GRL	+	+	+		+		
SA 2+3 Greenland halibut	CAN	+						
	EU/PRT	+	+			+		+
	EU/ESP	+	+	+		+	+	
	EU/EST	+		+		+		+
	RUS	+	+	+		+	+	
	EU/FRA	+						
	USA	+						
FRO		+						
SA 0+1 Roundnose Grenadier	EU/GER	+						
	RUS	+						
	GRL	+						
	NOR	+						
SA 2+3 Roundnose grenadier	EU/ESP	+		+		+		
	EU/EST	+						
	EU/PRT	+						
	RUS	+				+		
SA 2+3 Roughhead grenadier	CAN-N	+						
	EU/ESP	+		+		+	+	+
	EU/EST	+						
	EU/PRT	+		+		+		
RUS		+		+		+		
3NO Capelin								
SA 3+4 Squid	CAN	+						
SA 1 Other finfish	GRL	+						
3NOPs White Hake	CAN	+						
	EU/PRT	+					+	
	EU/ESP	+					+	
RUS		+						
3LNOPs Thorny skate	CAN	+						
	EU/PRT	+						
	EU/ESP	+				+	+	
	RUS	+						
3M Shrimp								

3LNO Shrimp	CAN-N	+	+			
	EU/ESP	+	+			
	EU/EST	+	+		+	
	FRO	+	+		+	
	GRL	+	+	+	+	+
Denmark Strait Shrimp	GRL	+	+			
	EST	+	+			
	DNK	+	+			
SA 0+1 Shrimp	CAN	+	+			
	GRL	+	+			
	DNK	+	+			

¹ Country abbreviations NAFO 3-Alpha.

Inventory of biological surveys conducted in the NAFO Area in 2014.

Subarea/Division	Country	Month	Type of survey	No. of sets
Stratified Random Surveys				
0AB	CAN-CA	9-10	Groundfish Assessment	141
1A	GRL	7	Disko Bay gill net survey	37
1A	GRL	7-8	Uummannaq long line survey	23
1A	GRL	7-8	Uummannaq gill net survey	4
1A	GRL	8	Upernavik long line survey	16
1A	GRL	8	Upernavik gill net survey	13
1A-F	GRL	6-8	Greenland shrimp fish survey	216
1CD	GRL	9	Greenland deep sea survey	58
2+3HJ+KLMNO	CAN-N	10-12	Multi-species trawl survey	503
3L	EU-ESP	8	Groundfish	102
3LNO	CAN-N	5-6	Multi-species trawl survey	254
3M	EU-ESP+PRT	6	Groundfish	32
3M	EU-ESP+PRT	7	Groundfish	151
3NO	EU-ESP	6	Groundfish	126
3P	CAN-N	4-5	Multi-species trawl survey	156
4X, 4Y	USA	3	Ecosystems Monitoring Survey	7
4X	USA	5	Spring Bottom Trawl Survey	13
4X, 4Y	USA	11	Ecosystems Monitoring Survey	12
4X	USA	10, 11	Autumn Bottom Trawl Survey	21
5Y	USA	5	Spring Bottom Trawl Survey	74
5Y,Ze,Zw	USA	3	Ecosystems Monitoring	46
5Y	USA	10, 11	Autumn Bottom Trawl Survey	61
5Ze	USA	4,5	Spring Bottom Trawl Survey	102
5Ze	USA	10, 11	Autumn Bottom Trawl Survey	159
5Zw	USA	4	Spring Bottom Trawl Survey	35
5Zw	USA	9, 10	Autumn Bottom Trawl Survey	37
5Y	USA	5, 10, 11	Gulf of Maine Cooperative Bottom Longline Survey	131
5Y, 5Ze, 5Zw	USA	11	Ecosystems Monitoring Survey	72
5Z	USA	5, 10, 11	Gulf of Maine Cooperative Bottom Longline Survey	13
5Z	USA	6, 7	Sea Scallop Dredge Survey	115
5Y, 5Z	USA	7, 8	Northern Shrimp Survey	70
6A	USA	4	Spring Bottom Trawl Survey	52
6A	USA	9,10	Autumn Bottom Trawl Survey	59
6B	USA	3,4	Spring Bottom Trawl Survey	34
6B	USA	9	Autumn Bottom Trawl Survey	53
6B	USA	9	Autumn Bottom Trawl Survey	37
6A, 6B, 6C	USA	6	Sea Scallop Dredge Survey	25
6Z	USA	8	Surfclam and Ocean Quahog Dredge Survey	180
6A, 6B, 6C	USA	11	Ecosystems Monitoring Survey	40

Other Surveys

2 HJ +3+PsKLMNO	CAN-N	4,5,7	Physical and biological oceanographic survey	n/a
3KL	CAN-N	5	Capelin acoustic/trawl survey	n/a
3Ps	CAN-N	5-6	Fortune Bay Snow crab trawl/trap survey	31/3
3PsKLP	CAN-N	5,6, 7, 10	Cod tagging/telemetry	n/a
3LMNO	CAN-N	7	Physical and biological oceanographic survey	n/a
3L	CAN-N	8	Bonavista Bay snow crab trawl/trap survey	20/6
3Ps	CAN-N	9	Scallop survey(trip cancelled because of mechanical issues with vessel)	0
3K	CAN-N	9	White/ Notre Dame Bay Snow Crab Survey	46
3L	CAN-N	9-10	Conception Bay snow crab trawl/trap survey	25/9
3L	CAN-N	8-9	Trinity Bay Ecosystem Survey	n/a
4X	USA	6	Deep-Sea Coral Habitat Characterization	4
4X, 4Y	USA	11	Ecosystems Monitoring Survey	4
5Y,Ze,Zw	USA	4-12	Aerial marine mammal survey	61
5Ze	USA	5	Acoustic mooring deployment Browns Bank, Georges Bank	1
5Y,Ze,Zw	USA	11	Ecosystems Monitoring Survey	12
5Ze	USA	6	Deep-Sea Coral Habitat Characterization	8
5Ze, 5Zw	USA	7	Cetacean and turtle Biology	5
5Y	USA	6	Deep-Sea Coral Habitat Characterization	4
5B, 5Zw, 5Ze, 5Y	USA	9	North Atlantic Right Whale shipboard survey	1
5Z, 5W	USA	9, 10	Survey Gear Efficiency Experiment	234
5Z	USA	10	Side by side industry - Bigelow tows	56
6B	USA	9	North Atlantic Right Whale shipboard survey	1
6B	USA	8	Deep-Sea Coral Habitat Characterization	25
6A, 6B, 6C	USA	11	Ecosystems Monitoring Survey	9
6B	USA	7	Black Sea Bass Benthic Habitat Visual Survey	n/a

Biological surveys planned for the NAFO Area in 2015 and early-2016.

Subarea/Division	Country	Type of Survey	Dates
Stratified-Random Surveys			
0AB	CAN-CA	Multi-species	Sep-Oct
1A	GRL	Disko Bay gill net survey	Jul
1A	GRL	Uummannaq long line survey	Jul- Aug
1A	GRL	Uummannaq gill net survey	Jul- Aug
1A	GRL	Upernavik long line survey	Aug
1A	GRL	Upernavik gill net survey	Aug
1A-F	GRL	Greenland shrimp fish survey	Jun- Aug
1CD	GRL	Greenland deep sea survey	Sep
2HJ +3KLMNO	CAN-N	Multi-species trawl survey	Oct 4- Dec 8
3KLNO	CAN-N	Multi-species trawl survey	Sep 16-Dec 4
3LNOPs	CAN-N	Multi-species trawl survey	Apr 1-Jun 20
3LNO	EU-ESP	Groundfish	May-Aug
3M	EU-ESP+PRT	Groundfish	Jun-Jul
3Ps	CAN-N	Comparative fishing redfish	Apr29- May 6
3Ps	CAN-N	Multi-species trawl survey	Mar 23-31,2016
4X +5YZ+6AB	USA	Spring bottom trawl	Mar 10 – May 10
4X+ 5YZ+ 6ABC	USA	Ecosystems monitoring	May 19- Jun 3
5Z+6ABC	USA	Sea scallop	May 16– Jun 24
5YZ	USA	Northern shrimp	Jul 19 - Aug 20
5Z+6AB	USA	Surfclam & ocean quahog	Aug 3- 21
4X+5YZ+6ABC	USA	Autumn bottom trawl	Sep 1 – Nov 7
4X+5YZ+6ABC	USA	Ecosystems monitoring & Sm. Pelagics Acoustic Survey	Oct 7 - Nov 30
Other Surveys			
3K	CAN-N	Snow crab trap survey	Aug 24- Sep 14
3KL	CAN-N	Capelin survey	May 12-26
3KLMNO	CAN-N	Physical and biological oceanographic survey	Apr 7- 28
3KLps	CAN-N	Cod tagging	May 16-22 Jul 9- 21 Oct 19-28
3L	CAN-N	Snow crab survey	Jun 15- 21
3L	CAN-N	Bonavista Snow crab survey	Jul 23 – Aug 11
3L	CAN-N	Conception Bay snow crab survey	Sept 25- Oct 6
3L	CAN-N	Trinity Bay ecosystem survey	Aug 14-21 Sept 16-23
3LMNO	CAN-N	Physical and biological oceanographic survey	Jul 8- 28
3Ps	CAN-N	Snow crab survey	May 26-Jun 7
3Ps	CAN-N	Shellfish survey	Sep 4 – 15
4X+ 5YZ+6A	USA	Cetacean & Turtle biology	Jun 8 – Jul 2
4X+5YZ+6ABC	USA	Deepwater Coral Habitat	Jul 27-Aug 7
5YZ	USA	N. right whale	May 1 – 26
5YZ	USA	Neracoos mooring	May 31– Jun 12
5YZ	USA	Sea pen/Redfish	Jun 1 – 5
5Z+6A	USA	Habitat mapping	Jun 22- Jul 2
5Z+6A	USA	Benthic Habitat Hab Cam	Aug 11 – 21