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SCIENTIFIC COUNCIL MEETING – September 2013**Available Data from the Commercial Fisheries Related to Stock Assessment (2012) and Inventory of Biological Surveys Conducted in the NAFO Area in 2012 and Biological Surveys Planned for 2013 and Early-2014**

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 2013 Scientific Council Meeting and have been updated/corrected through correspondence.

Available data from the commercial fisheries related to stock assessment (2012). (+ means data available).

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

Available data from the commercial fisheries related to stock assessment (2012). (+ means data available). (continued).

Stock	Country ¹	Catch	CPUE	Biological Sampling				
				Sex	Length	Age	Individual Wt.	Maturity
3M American plaice	EU/PRT	+			+			
	EU/EST	+						
	EU/ESP	+						
	RUS	+						
3LNO American plaice	CAN	+		+	+	+		
	CUB	+						
	EU/ESP	+		+	+			
	EU/EST	+						
	EU/LTU	+						
	EU/PRT	+			+			
	FRA (SP)	+						
	RUS	+				+		
USA	+				+			
3NO Witch flounder	CAN	+						
	RUS	+			+			
	EU/LTU	+						
	EU/PRT	+				+		
	EU/ESP	+				+		
	EU/EST	+						
2J+3KL Witch flounder	CAN	+		+				
	EU/PRT	+						
	EU/ESP	+		+				
	EU/EST	+						
	RUS	+		+				
3LNO Yellowtail flounder	CAN	+		+				
	EU/PRT	+		+				
	EU/ESP	+		+				
	EU/EST	+						
	CUB	+						
	USA	+						
SA 0 + 1B-F Greenland Halibut	RUS	+	+	+	+			
	GRL	+	+		+			
	EU/GER	+	+					
	NOR	+				+		
	FRO	+						
	CAN	+	+		+			
SA 1A Greenland halibut	GRL	+	+	+				
SA 2+3 Greenland halibut	CAN	+	+	+	+	+		+
	CUB	+						
	EU/PRT	+	+		+			
	EU/ESP	+	+	+				
	EU/EST	+		+	+		+	
	EU/LTU	+						
	FRA(SP)	+		+				
	FRO	+						
	NOR	+						
	RUS	+		+	+			
SA 0+1 Roundnose Grenadier	GRL	+						
	EU/DEU	+						

Available data from the commercial fisheries related to stock assessment (2012). (+ means data available). (continued).

Stock	Country ¹	Catch	CPUE	Biological Sampling				
				Sex	Length	Age	Individual Wt.	Maturity
SA 2+3	CAN	+						
Roundnose grenadier	EU/PRT	+						
	EU/ESP	+		+	+			
	FRA-SP	+						
	FRO	+						
	RUS	+			+			
SA 2+3 Roughhead grenadier	CAN	+						
	EU/PRT	+		+	+			
	EU/ESP	+		+	+	+		
	EU/EST	+						
	EU/LTU	+						
	RUS	+		+	+			
3NO Capelin				No available data				
SA 3+4 Squid	CAN	+						
SA 1 Other finfish	GRL	+						
3NOPs	CAN	+			+			
White Hake	EU/PRT	+			+			
	EU/ESP	+						
	RUS	+						
3LNOPs	CAN	+		+	+			
Thorny skate	EU/PRT	+						
	EU/ESP	+		+	+			
	RUS	+		+	+			
3M Shrimp				No available data				
3LNO Shrimp	CAN-N	+	+	+	+			+
	GRL	+	+					
	FRO	+	+					
	EU/EST	+	+		+			
	EU/ESP	+	+		+			
Denmark Strait Shrimp	GRL	+	+					
	FRO	+	+					
	NOR	+	+					
	DNK	+	+					
SA 0+1 Shrimp	can	+	+					
	GRL	+	+					

¹ Country abbreviations NAFO 3-Alpha.

Inventory of biological surveys conducted in the NAFO Area in 2012.

Subarea/Division	Country	Month	Type of survey	No. of sets
Stratified Random Surveys				
0A	CAN-CA	9,10	Shrimp Assessment	13
0A	CAN-CA	9,10	Groundfish Assessment	168
2+3HJ+KLNO	CAN-N	10-12	Multi-species trawl survey	627
3LNO	CAN-N	5-6	Multi-species trawl survey	289
3P	CAN-N	4-5	Multi-species trawl survey	190
4X	USA	4, 5	Spring Bottom Trawl Survey	32
4X	USA	6	N. Atlantic right whale survey (Ships)	N/A
4X	USA	10	Autumn Bottom Trawl Survey	27
4XY	USA	2	Ecosystems monitoring, NASA Ground Truth	8
4XY	USA	8	Ecosystems monitoring, NASA Ground Truth	8
4XY	USA	11	Ecosystem Monitoring and small pelagics survey	9
5YZ	USA	2	Ecosystems Monitoring, NASA Ground truth	78
5YZ	USA	4 - 6	Spring Bottom Trawl Survey	222
5YZ	USA	5,6	Spring Ecosystem Monitoring (trawl) Survey	49
5YZ	USA	7, 8	Northern Shrimp Trawl Survey	88
5YZ	USA	8	Ecosystem monitoring, NASA Ground truth	108
5YZ	USA	10, 11	Ecosystem monitoring and small pelagic	6
5YZ	USA	10, 11	Autumn Bottom Trawl Survey	217
5Z	USA	7, 8	Sea Scallop Dredge Survey	120
5Z	USA	7, 8	Surfclam-Ocean Quahog Survey	107
6ABC	USA	2	Ecosystem Monitoring, NASA Ground truth	43
6ABC	USA	3	Spring Bottom Trawl Survey	151
6ABC	USA	5, 6	Ecosystem Monitoring Survey	49
6ABC	USA	6, 7	Sea Scallop Dredge Survey	90
6ABC	USA	7, 8	Surfclam-Ocean Quahog Survey	78
6ABC	USA	8	Ecosystem monitoring, NASA ground truth	49
6ABC	USA	9, 10	Autumn Bottom Trawl Survey	161
6ABC	USA	11	Ecosystem Monitoring and small pelagics	51
Other Surveys				
1A	GRL	7	Gill net survey in Disko Bay	41
1A	GRL	7-8	Long line survey Uummannaq	28
1A	GRL	8	Long line survey Upernavik	7
1A – 1F	GRL	6-8	Greenland shrimp fish survey, 50- 600 m	220
1CD	GRL	9	Greenland deep sea survey, 400-600 m	50
2 HJ + 3KLMNOPs	CAN-N	4,5,7	Physical and biological oceanographic survey	n/a
3K	CAN-N	9	Snow Crab Survey	32
3KL	CAN-N	5	Capelin acoustic/trawl survey	n/a
3L	CAN-N	8	Bonavista Bay snow crab trawl/trap survey	18/26
3L	CAN-N	8-9	Trinity Bay Ecosystem Survey	n/a
3L	CAN-N	9-10	Conception Bay snow crab trawl/trap survey	23/30

Subarea/Division	Country	Month	Type of survey	No. of sets
3L	CAN-N	10	Juvenile Atlantic Cod Survey (Bonavista Bay and Trinity Bay) - Survey not completed	0
3L	EU/SPA	8	Groundfish	105
3LMNO	CAN-N	7	Physical and biological oceanographic survey	n/a
3NO	EU/SPA	6	Groundfish	125
3M	EU/SPA	6	Groundfish	31
	+ PRT	7		148
3Ps	CAN-N	5-6	Snow crab survey	25
3Ps	CAN-N	9	Scallop survey	125
4X	USA	3-5, 10-11	Marine mammal aerial abundance survey	N/A
4X	USA	5-7, 11-12	N. Atlantic Right Whale aerial surveys	N/A
4X	USA	6	N. Atlantic right whale survey (ship)	N/A
5Y	USA	5,6	Seal Tagging and Photo Abundance Survey	N/A
5YZ	USA	3-5, 10-11	Marine mammal aerial abundance survey	N/A
5YZ	USA	3, 5, 6	North Atlantic right whale surveys (Ships)	N/A
5YZ	USA	1-2, 4-7, 11-12	N. Atlantic right whale aerial surveys	N/A
5YZ	USA	6	N. Atlantic right whale survey (Ships)	N/A
5YZ	USA	9, 10	Pelagic Hydroacoustic Survey	128
5YZW	USA	3	N. Atlantic right whale survey (Ships)	N/A
5Z	USA	7	Deep-Sea Coral Habitat Characterization	8
6A	USA	7	N. Atlantic right whale aerial surveys	N/A
6A	USA	3-5, 10-11	Marine mammal aerial abundance survey	N/A
6BD	USA	7	Deep-Sea Coral Habitat Characterization	10

Biological surveys planned for the NAFO Area in 2013 and early-2014.

Subarea/Division	Country	Type of Survey	Dates
Stratified-Random Surveys			
0B	CAN-CA	Multi-species	9,10
2 HJ +3KLMNO	CAN-N	Multi-species trawl survey	Oct 4-Dec 10
2J+3KL	CAN-N	Greenland Halibut survey	April 30 – May 10
3KLNO	CAN-N	Multi-species trawl survey	Sept 24-Dec 5
3LMNO	RUS	Multi-species trawl-acoustic survey	May-September 2013
3LNOPs	CAN-N	Multi-species trawl survey	April 2-June 21
3LNO	EU/SPA	Groundfish	April-August
3LN, 3M, 3O	RUS	Redfishes, selectivity of trawl	March-December January-March 2014
3M	EU/SPA + PRT	Groundfish	June-July
4X+5YZ+6ABC	USA	Ecosystems monitoring & Sm. Pelagics Acoustic Survey	Feb 7-26
4X+5YZ+6ABC	USA	Spring bottom trawl	Mar 4 – May 11
4X+5YZ+6ABC	USA	Ecosystems monitoring	May 29 - Jun 17
4X+5YZ+6ABC	USA	Autumn bottom trawl	Sep 4 – Nov 11
4X+5YZ+6ABC	USA	Ecosystems monitoring & Sm. Pelagics Acoustic Survey	Oct 30 - Nov 20
5YZ	USA	Northern shrimp	Jul 15 - Aug 2
5Z+6A	USA	Surfclam & ocean quahog	Aug 5- 23
5Z+6ABC	USA	Sea scallop	Jun 13 – Jul 20
4X+5YZ+6ABC	USA	Ecosystems Research	Jan 21 – Jan 31, 2014
4X+5YZ_6ABC	USA	Ecosystems monitoring	Feb 14 - Feb 22, 2014
Other Surveys			
1A	GRL	Gill net survey in Disko Bay (45 sets)	July
1A	GRL	Long line survey Uummanaq (30 sets)	July – August
1A	GRL	Long line survey Upernavik (30 sets)	August
1A – 1F	GRL	Greenland shrimp fish survey, 50- 600 m (230 sets)	June-August
1CD	GRL	Greenland deep sea survey, 400-600 m (70 sets)	September
3K	CAN-N	Snow crab trap survey	Aug 29-Sept 17
3KL	CAN-N	Capelin survey	May 11-28
3KLPs	CAN-N	Cod tagging	May 13-22 July 2-July 11 Oct 21-30
3L	CAN-N	Bonavista snow crab survey	July 30-Aug 11
3L	CAN-N	Conception Bay snow crab survey	Sept 27-Oct 9
3L	CAN-N	Trinity Bay ecosystem survey	Aug 15-23 Sept 18-25
3LMNO	CAN-N	Physical and biological oceanographic survey	April 10-April 29
3LMNO	CAN-N	Physical and biological oceanographic survey	July 9-28
3Ps	CAN-N	Snow crab survey	May 24-June 8
3Ps	CAN-N	Multi-species trawl survey	Mar 28-31/2014
5YZ	USA	N. right whale	Apr 29 – May 24
4X+5YZ+6ABC	USA	Deepwater Coral Habitat	Jun 10-24
6ABC	USA	Academic projects	Jun 22– Jul 3
4X+ 5YZ + 6A	USA	AMAPPS-Cetacean & Turtle	Jul 1 – Aug 9
5Z + 6A	USA	Sea Bass Habitat	Jul 22 – 26
4X + 5YZ + 6A	USA	Habitat Mapping	Aug 5 – 16
6ABC	USA	Academic projects	Jan 6– Jan 17, 2014