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SCIENTIFIC COUNCIL MEETING – JUNE 2012**Available Data from the Commercial Fisheries Related to Stock Assessment (2011) and Inventory of Biological Surveys Conducted in the NAFO Area in 2011 and Biological Surveys Planned for 2012 and Early-2013**

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 2012 Scientific Council Meeting and have been updated/corrected through correspondence.

Available data from the commercial fisheries related to stock assessment (2011). (+ means data available).

Stock	Biological Sampling							
	Country ¹	Catch	CPUE	Sex	Length	Age	Individual Wt.	Maturity
3M Cod	CAN	+			+			
	CUB	+						
	EU/PRT	+			+	+	+	
	EU/ESP	+			+	+		
	EU/EST	+		+	+		+	
	EU/LTU	+			+		+	
	EU/UK	+			+			
	EU/FRA	+						
	FRO	+						
	NOR	+			+			
	RUS	+			+			
3NO Cod	CAN	+	+	+	+	+	+	+
	CUB	+						
	EU/ESP	+		+	+		+	
	EU/PRT	+			+		+	
	EU/EST	+			+		+	
	EU/FRA	+						
	EU/LTU	+						
	RUS	+						
SA 1 Redfish	GRL	+						
3M Redfish	EU/PRT+		+	+		+		
	EU/ESP	+		+	+			
	EU/GBR							
	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	+						
	RUS	+		+	+			
3M American plaice	CAN	+						
	EU/PRT	+			+			
	EU/EST	+			+			
	EU/ESP	+						
	RUS				+			
	CUB	+						

Available data from the commercial fisheries related to stock assessment (2011). (+ means data available). (continued).

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

Available data from the commercial fisheries related to stock assessment (2011). (+ means data available). (continued).

Stock	Country ¹	Biological Sampling						
		Catch	CPUE	Sex	Length	Age	Individual Wt.	Maturity
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	+	+					
	NOR	+	+					
	EU/EST	+			+			
	EU/ESP	+			+			
Denmark Strait Shrimp	GRL	+	+					
	FRO	+	+					
	ICE	+	+					
	NOR	+	+					
	DNK	+	+					
SA 0+1 Shrimp	can	+	+					
	GRL	+	+					

¹ Country abbreviations NAFO 3-Alpha.

Inventory of biological surveys conducted in the NAFO Area in 2011.

Subarea/Division	Country	Month	Type of survey	No. of sets
Stratified Random Surveys				
2HJ +3KLMNO	CAN-N	10-12	Multi-species trawl survey	564
3LNO	CAN-N	5-6	Multi-species trawl survey	301
3NO	EU-Spain	6	Groundfish	123
3L	EU-Spain	8	Groundfish	90
3M	EU-Spain	6	Groundfish	11
	+ Portugal	7	"	98
	"	8	"	32
3P	CAN-N	4-5	Multi-species trawl survey	189
4X	USA	2	Winter Ecosystem Monitoring Survey	14
4X	USA	4	Spring Ecosystem Monitoring (trawl) Survey	9
4X	USA	4, 5	Spring Bottom Trawl Survey	24
4X	USA	6	Spring Ecosystem Monitoring Survey	9
4X	USA	10	Autumn Bottom Trawl Survey	30
4X	USA	10, 11	Autumn Ecosystem Monitoring (trawl) Survey	10
4X	USA	11	Autumn Ecosystem Monitoring Survey	10
5YZ	USA	2	Winter Ecosystem Monitoring Survey	95
5YZ	USA	3 - 5	Spring Bottom Trawl Survey	189
5YZ	USA	3 - 5	Spring Ecosystem Monitoring (trawl) Survey	59
5YZ	USA	6	Spring Ecosystem Monitoring Survey	69
5Z	USA	6, 7	Sea Scallop Dredge Survey	152
5YZ	USA	7, 8	Northern Shrimp Trawl Survey	83
5Z	USA	7, 8	Surf clam-Ocean Quahog Survey	280
5YZ	USA	9 - 11	Autumn Ecosystem Monitoring (trawl) Survey	53
5Y, Z	USA	10, 11	Autumn Bottom Trawl Survey	201
5Y, Z	USA	12	Fall Ecosystem Monitoring Survey	58
6A B C	USA	2	Winter Ecosystem Monitoring Survey	39
6A B C	USA	3	Spring Bottom Trawl Survey	159
6A B C	USA	3	Spring Ecosystem Monitoring (trawl) Survey	22
6A B C	USA	6	Spring Ecosystem Monitoring Survey	43
6A B C	USA	6, 7	Sea Scallop Dredge Survey	155
6A B C	USA	7, 8	Surfclam-Ocean Quahog Survey	205
6AB	USA	8, 9	Surfclam-Ocean Quahog Calibration Study	177
6A B C	USA	9, 10	Autumn Bottom Trawl Survey	170
6A B C	USA	9	Fall Ecosystem Monitoring on Trawl Survey	40
6A B C	USA	11	Fall Ecosystem Monitoring Survey	45
Other Surveys				
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
3KLPS	CAN-N	5,6, 7, 10	Cod tagging/telemetry	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
3LMNO	CAN-N	7	Physical and biological oceanographic survey	n/a
3Ps	CAN-N	5-6	Snow crab survey	25
3Ps	CAN-N	9	Scallop survey	125
4VW	CAN-M	6	Benthic Survey	n/a
4X	USA	2, 3, 8	Marine mammal aerial abundance survey	N/A
4X	USA	6	North Atlantic right whale aerial surveys	N/A
4X	USA	6, 7	Marine mammal abundance (ship) survey	N/A
5Y, Z	USA	1- 4, 8, 9	Marine mammal aerial abundance survey	N/A
5Y	USA	1- 6, 11, 12	North Atlantic right whale aerial surveys	N/A
5Z	USA	3 - 6, 11, 12	North Atlantic right whale aerial surveys	N/A
5Y,Z	USA	4	Seal Tagging and Photo Abundance Survey	N/A
5Y	USA	4 - 6, 8 -10	Marine Mammal Passive Acoustics Study	N/A
5Z	USA	6, 7	Marine mammal abundance (ship) survey	N/A
5Y, Z	USA	1 - 4, 8	Marine mammal aerial abundance survey	N/A
5Z, X	USA	9, 10	Pelagic Hydroacoustic Survey	111
6A, B, C	USA	1	Goosefish/Red Crab Depth Range Study	85
6A,B,D	USA	6, 7	Marine mammal abundance (ship) survey	N/A
6A, B	USA	6, 9	Turtle telemetry study	N/A
6A	USA	8	Canyon Hydrography - Habitat Mapping	46

Biological surveys planned for the NAFO Area in 2012 and early-2013.

Subarea/Division	Country	Type of Survey	Dates
Stratified-Random Surveys			
0AB, 1ABCDEF 2G	CAN-M	Identification of VME	12-16 October
2HJ+3KLMNO	CAN-N	Multi-species trawl survey	3 October-11 December
3KLNO	CAN-N	Multi-species tral survey	26 September-7 December
3LNO	EU-ESP	Groundfish	May-August
3LNOPs	CAN-N	Multi-species Trawl Survey	1 April- 21 June
3M	EU-ESP+PRT	Groundfish	June-July
4X, 5YZ, 6ABC	USA	Ecosystems Monitoring	2-21 February
4X, 5YZ, 6ABC	USA	Spring Bottom Trawl	27 February-9 May
4X, 5YZ	USA	Ecosystems Monitoring	30 May-14 June
6ABC	"	"	6-24 August
4X, 5YZ, 6ABC	USA	Autumn Bottom trawl	4 September-13 November
4X, 5YZ, 6ABC	USA	Ecosystem Monitoring and Sm. Pelagics Acoustic Survey	26 October-14 Novemebr
5YZ	USA	Northern shrimp	9 July-6 August
5Z, 6A	USA	Surf clam and ocean quahog	30 July-17 August
5Z, 6ABC	USA	Sea scallop	1 June-8 July
6ABC	USA	Large Shark Coastal Longline	4 April-23 May
3Ps	CAN-N	Multi-species trawl survey	25-31 March 2013
4X, 5YZ, 6ABC	USA	Ecosystems Monitoring Sm. Pelagics Acoustic Survey	16 February-6 March 2013
4X, 5YZ, 6ABC	USA	Spring Bottom Trawl	4 March-15 may 2013
Other Surveys			
3K	CAN-N	Snow crab trap survey	29 August-17 September
3KL	CAN-N	Capelin survey	10-29 May
3KL	CAN-N	Coral Survey	10-17 September
3KLPS	CAN-N	Cod tagging	16-25 May
			27 June – 6 July
			19-28 October
3L	CAN-N	Bonavista snow crab survey	30 July-10 August
3L	CAN-N	Trinity Bay ecosystem survey	14-22 August
			19-26 September
3L	CAN-N	Conception Bay snow crab survey	28 September-7 October
3LMNO	CAN-N	Physical and biological oceanographic survey	11-30 April
			9-17 July
3Ps	CAN-N	Snow crab survey	30 May- 14 June
4X, 5Y	USA	NERACOOS Mooring Maintenance	10-17 April
4X, 5YZ	USA	Cetacean Biology	18-29 June
5YZ	USA	N. right whale	13-30 Mar
			30 April-25 May
5YZ	USA	Atlantic herring hydroacoustic	12 September-21 October
5Z	USA	Deepwater Biodiversity	29 August-8 September
5Z, 6A	USA	Deepwater Corals and Benthic Habitat	3-18 July 2012
6ABC	USA	Academic Projects	17-27 January