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SCIENTIFIC COUNCIL MEETING – SEPTEMBER 2008

Available Data from the Commercial Fisheries Related to Stock Assessment (2010)

and

Inventory of Biological Surveys Conducted in the NAFO Area in 2010

and

Biological Surveys Planned for 2011 and Early-2012

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 2011 Scientific Council Meeting and have been updated/corrected through correspondence.

Available data from the commercial fisheries related to stock assessment (2010). (+ means data available).

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

Available data from the commercial fisheries related to stock assessment (2009). (+ means data available). (continued).

Stock	Biological Sampling							
	Country ¹	Catch	CPUE	Sex	Length	Age	Individual Wt.	Maturity
3NO Witch flounder	CAN	+			+			
	RUS	+		+	+		+	+
	EU/PRT	+			+			
	EU/ESP	+			+			
	EST	+						
2J+3KL Witch flounder	CAN	+			+			
	EU/PRT	+			+			
	EU/ESP	+			+			
	EU/EST	+						
	RUS	+		+	+		+	
3LNO Yellowtail flounder	CAN	+			+			
	EU/PRT	+			+			
	EU/ESP	+			+			
	EU/EST	+						
	EU/LTU	+						
	FRA(SP)	+						
	RUS	+		+	+			
SA 0 + 1B-F Greenland halibut	CAN	+	+		+			
	GRL	+	+		+			
	FRO	+						
	EU/DEU	+	+					
	NOR	+			+			
	RUS	+		+	+	+	+	
SA 1A Greenland halibut	GRL	+	+	+	+	+	+	+
SA 2+3 Greenland halibut	CAN	+	+	+	+	+		+
	EU/PRT	+	+	+	+			
	EU/ESP	+	+	+	+	+		
	EU/EST	+						
	EU/LTU	+			+		+	
	FRA(SP)	+						
	FRO	+						
SA 0+1 Roundnose Grenadier	NOR	+						
	EU/DEU	+						
SA 2+3 Roundnose grenadier	CAN	+						
	EU/PRT	+						
	EU/ESP	+						
	RUS	+						
SA 2+3 Roughhead grenadier	CAN	+						
	EU/PRT	+		+	+			
	EU/ESP	+		+	+	+	+	
	EU/LTU	+						
	RUS	+		+	+		+	+
3NO Capelin	No available data							
SA 3+4 Squid	CAN	+						
SA 1 Other finfish	GRL	+						
3NOPs White Hake	CAN	+		+	+		+	+
	EU/PRT	+			+			
	EU/ESP	+						
	RUS	+						

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
3LNOPs Thorny skate	CAN	+		+			+	+
	EU/PRT	+			+			
	EU/ESP	+		+	+			
	RUS	+	+					
3M Shrimp	EU-EST	+						
	EU/ESP	+	+	+	+			
	EU/LVA	+						
	EU/LTU	+						
	RUS	+						
	NOR	+						
	CUB	+						
3LNO Shrimp	FRO	+						
	CAN-N	+	+	+	+	+	+	+
	GRL	+	+					
	NOR	+	+	+	+			+
	EU/EST	+	+					
	EU/ESP	+	+					
Denmark Strait Shrimp	RUS	+						
	GRL	+	+					
	FRO	+	+					
	NOR	+	+					
SA 0+1 Shrimp	DNK	+	+					

¹ Country abbreviations NAFO 3-Alpha.

Inventory of biological surveys conducted in the NAFO Area in 2010.

Subarea/Division	Country	Month	Type of survey	No. of sets
Stratified Random Surveys				
3P	CAN-N	4-5	Multi-species trawl survey	192
3NO	EU/ESP	5	Groundfish	9
3LNO	CAN-N	5-6	Multi-species trawl survey	288
3NO	EU/ESP	6	Groundfish	86
3L	EU/ESP	7	Groundfish	32
3L	EU/ESP	8	Groundfish	71
3M	EU/ESP+PRT	6	Groundfish	40
3M	EU/ESP+PRT	7	Groundfish	118
2 HJ +3KLMNO	CAN-N	10-12	Multi-species trawl survey	699
1C-F	E/DEU	10-11	Bottom trawl survey	50
3LMN	EU/ESP+UK	6	Invertebrates	64
	+CAN+RUS			
3LN	EU/ESP+UK	7	Invertebrates	86
3NO	EU/ESP+UK	8	Invertebrates	67
4X	USA	2	Ecosystem Monitoring Survey	5
4X	USA	4	Ecosystem Monitoring Survey	9
4X	USA	4	Spring Bottom Trawl Survey	19
4X	USA	6	Ecosystem Monitoring Survey	15
4X	USA	8	Ecosystem Monitoring Survey	16
4X	USA	10	Autumn Bottom Trawl Survey	4
4X	USA	10, 11	Ecosystem Monitoring Survey	4
4X	USA	11	Autumn Bottom Trawl Survey	13
4X	USA	11	Ecosystem Monitoring Survey	18
5Y, Z	USA	2	Ecosystem Monitoring Survey	57
5Y, Z	USA	3	Spring Bottom Trawl Survey	34
5Y, Z	USA	3, 4	Ecosystem Monitoring Survey	64
5Y, Z	USA	4	Spring Bottom Trawl Survey	169
5Y, Z	USA	5	Spring Bottom Trawl Survey	13
5Y, Z	USA	5, 6	Ecosystem Monitoring Survey	65
5Y, Z	USA	6	Sea Scallop Dredge Survey	280
5Y, Z	USA	7	Northern Shrimp Trawl Survey	72
5Y, Z	USA	8	Northern Shrimp Trawl Survey	16
5Y, Z	USA	8, 9	Ecosystem Monitoring Survey	71
5Y, Z	USA	9	Autumn Bottom Trawl Survey	11
5Y, Z	USA	9 - 11	Ecosystem Monitoring Survey	54
5Y, Z	USA	10	Autumn Bottom Trawl Survey	101
5Y, Z	USA	11	Autumn Bottom Trawl Survey	58
5Y, Z	USA	11, 12	Ecosystem Monitoring Survey	95
5Y, Z	USA	12	Autumn Bottom Trawl Survey	16
6A, B, C	USA	2	Spring Bottom Trawl Survey	9
6A, B, C	USA	2	Spring Bottom Trawl Survey	149
6A, B, C	USA	2	Ecosystem Monitoring Survey	366
6A, B, C	USA	2, 3	Ecosystem Monitoring Survey	42
6A, B, C	USA	5	Sea Scallop Dredge Survey	191
6A, B, C	USA	5, 6	Ecosystem Monitoring Survey	46
6A, B, C	USA	6	Sea Scallop Dredge Survey	28
6A, B, C	USA	9	Autumn Bottom Trawl Survey	138
6A, B, C	USA	9, 10	Ecosystem Monitoring Survey	43
6A, B, C	USA	10	Autumn Bottom Trawl Survey	25
6A, B, C	USA	11	Ecosystem Monitoring Survey	45

Subarea/Division	Country	Month	Type of survey	No. of sets
Other Surveys				
6A, B, C	USA	2, 3	Goosefish Depth Range Study	14
2 HJ +3KLMNOPs	CAN-N	4,5,7	Physical and biological oceanographic survey	n/a
3KL		5	Capelin acoustic/trawl survey	n/a
3Ps		5-6	Snow crab survey	28
3PsKLP		5,6, 7, 10	Cod tagging/telemetry	n/a
3LMNO		7	Physical and biological oceanographic survey	n/a
3L		8	Bonavista Bay snow crab trap/trawl survey	n/a
3Ps		9	Scallop survey	184
3K		9	Snow Crab Survey	32
3L		9-10	Conception Bay snow crab trap/trawl survey	n/a
3L		8-9	Trinity Bay Ecosystem Survey	n/a
4X	USA	8, 9	Marine mammal aerial abundance survey	N/A
5Y, Z	USA	8, 9	Marine mammal aerial abundance survey	N/A
6A	USA	8, 9	Marine mammal aerial abundance survey	N/A
6A, B	USA	8, 9	Turtle telemetry study	N/A
5Z, X	USA	9, 10	Pelagic Hydroacoustic Survey	83
3L		10	Juvenile Atlantic Cod Survey	6
			(Bonavista Bay and Trinity Bay)	
5Y, Z	USA	1-5, 10-12	North Atlantic right whale aerial surveys	N/A
5Y, Z	USA	1-12	Marine Mammal Passive Acoustics Study	N/A
5Z	USA	10	Benthic Habitat Study	23

Biological surveys planned for the NAFO Area in 2011 and early-2012.

Subarea/Division	Country	Type of Survey	Dates
Stratified-Random Surveys			
3LNOPs	CAN-N	Multi-species trawl survey	April 1-June 18
3LNO	EU/ESP	Groundfish	May-August
3M	EU/ESP+PRT	Groundfish	June-July
2 HJ +3KLMNO	CAN-N	Multi-species trawl survey	Sept 22-Dec 15
3P	CAN-N	Multi-species trawl survey	Mar 24-30/2012
4X	USA	Ecosystems monitoring	Feb 1 - 19, 2011
5Y,Z			
6A,B,C			
4X	USA	Spring bottom trawl	Feb 28 – May 12, 2011
5Y,Z			
6A,B,C			
5Z	USA	Sea scallop	May 11 – Jul 1, 2011
6A,B,C			
4X	USA	Ecosystems monitoring	Jun 1 - 21, 2011
5Y,Z			
6A,B,C			
5Z	USA	Surf clam & ocean quahog	Jul 8 – Aug 19, 2011
6A,B,C			
5Y,Z	USA	Northern shrimp	Jul 10 - Aug 6, 2011
4X	USA	Autumn bottom trawl	Sep 6 – Nov 15, 2011
5Y,Z			
6A,B,C			
4X	USA	Ecosystems monitoring	Nov 1 - 18, 2011
5Y,Z			
6A,B,C			
4X	USA	Ecosystems monitoring	Feb 2 - 20, 2012
5Y,Z			
6A,B,C			
4X	USA	Spring bottom trawl	Feb 27 – May 10, 2012
5Y,Z			
6A,B,C			
6B,C	USA	Coastal Shark Longline	Apr 4 – June 2, 2012

Subarea/Division	Country	Type of Survey	Dates
Other Surveys			
3LMNO	CAN-N	Physical and biological oceanographic survey	April 5-May 3
3KL	CAN-N	Capelin survey	May 5-24
3KLPS	CAN-N	Cod tagging	May 16-25
			June 28-July 7
			Oct 18-27
3Ps	CAN-N	Snow crab survey	May 30-June 14
3LNO	CAN-N	Hibernia environment monitoring	May 30-June 2
3LMNO	RUS	Multispecies trawl acoustic survey	May-Jun
3KL	CAN-N	Larval Transport	June 20-24
			July 11-15
			Aug 15-19
3LMNO	CAN-N	Physical and biological oceanographic survey	Jul 8-26
3L	CAN-N	Bonavista snow crab survey	Aug 1-12
3L	CAN-N	Trinity Bay ecosystem survey	Aug 22-29
			Sept 22-29
3K	CAN-N	Snow crab trap survey	Sept 2-19
3Ps	CAN-N	Scallop survey	Sept 10-20
3LN,M	RUS	Redfishes, selectivity of trawl	Sep-Dec 2011
3L	CAN-N	Conception Bay snow crab survey	Oct 3-15
3L	CAN-N	Juvenile Atlantic cod survey	Oct 18-27
6A,B,C	USA	Academic projects	Jan 10 – 21, 2011
5Y,Z	USA	N. right whale	May 9 – 26, 2011
4X	USA	Cetacean, seabird, turtle abundance	Jun 2 – Aug 1, 2011
5Z			
6A,B,C,D			
6A	USA	Habitat mapping	Aug 5 – 12, 2011
5Y,Z	USA	Atlantic herring hydroacoustic	Sep 7 - Oct 14, 2011
5Z	USA	Academic projects	Jan 18 - 27, 2012
6A,B,C			
3LN, M	RUS	Redfishes, selectivity of trawl	Feb-May 2012
4X	USA	N. right whale survey	May 7 - 24, 2012
5Y,Z			
3LMNO	RUS	Multispecies trawl acoustic survey	May-Jun 2012