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Northwest Atlantic



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SCIENTIFIC COUNCIL MEETING – NOVEMBER 2000

A Compilation of Research Vessel Surveys on a Stock-by-stock Basis

by

NAFO Secretariat

Discussions at the Scientific Council Meeting in June 1990 resulted in the compilation of information on research vessel surveys on a stock-by-stock basis (SCS Doc. 90/22, Serial No. N1820). This inventory was judged to be very helpful for the establishment of future inventories. It was agreed that the Designated Experts for the stocks be responsible for future compilations. The tabulations prepared at the June 1991 Meeting were presented and it was concluded (*NAFO Sci. Coun. Rep.*, 1991, p. 114) that Designated Experts should update the information annually for review by STACFIS. The following tabulations were received at the Secretariat from the Designated Experts during the year 2000.

Stock name: Greenland halibut in Subarea 0, Division 1A offshore and Divisions 1B-F

Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No
										abundance	bio-mass	ALK	LF			
Greenland Deep Sea	1CD	Sep-Oct	Since 1997	Stratified Random bottom Trawl	Greenland halibut Roundnose grenadier	38	-	?	400-1500m	Y	Y	Y	Y	Y	Greenland	00/10
Greenland Shrimp Trawl	1A-F	Jul-Sep	Since 1988	Stratified Random bottom Trawl	Shrimp Groundfish	245	-	?	0-600m	Y	Y	Y	Y	Y	Greenland	00/22

Stock name: Greenland halibut in Division 1A inshore																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
Inshore longline	Disko Bay Uummannaq Upernavik (2 a year)	Jul-Aug	since 1993	Fixed station Longlines	Greenland Halibut	30 in each location (60 a year)	Yes	?	200-900m	N	N	Y	Y	Y	Greenland	98/44
Inshore longline	Disko Bay Uummannaq Upernavik (2 a year)	Jul-Aug	Since 1993	Fixed station longline	Greenland halibut	30 in each location (60 a year)	Year	?	200-900m	N	N	Y	Y	Y	Greenland	00/29 00/47

Stock name: Roundnose Grenadier in Subareas 0+1																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
Joint Japan* Greenland	1A - 1D	Aug	1987-1995	Stratified random bottom trawl	Greenland halibut, Roundnose Grenadier	91	N	?	400-1500m	N	Y	N	Y	N	Japan/ Greenland	96/29
Greenland Deep Sea	ICD	Sep-Oct	1997	Stratified Random Bottom Trawl	Greenland halibut, Roundnose grenadier	63	N	?	400-1500m	Y	Y	N	Y	N	Greenland	98/25
Greenland Deep Sea	ICD	Sep-Oct	1997	Stratified Random Bottom Trawl	Greenland halibut, Roundnose grenadier	38	N	?	400-1500m	Y	Y	N	Y	N	Greenland	00/10

* No survey in 1996.

Stock name: Redfish in Subarea 1																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
West Greenland Groundfish	1B - 1F	Oct-Nov	since 1982	Stratified random bottom trawl	Cod, redfish, other finfish	63	N	80	0-400m	Y	Y	N	Y	Y	EU-Germany	00/28
Greenland – Deepsea	1A - 1D	Sep-Oct	1987-95 1997-99	Stratified random bottom trawl	Greenland halibut, Roundnose Grenadier	36	N	80	600-1500m	Y	Y	N	Y	N	Greenland	99/10
Greenland shrimp	1A - 1F	Jul-Aug	since 1992	Stratified random bottom trawl	Shrimp	230	N	80	0-600m	Y	Y	N	Y	N	Greenland	00/22

Stock name: Other Finfish in Subarea 1																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of Sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
West Greenland groundfish	1B - 1F	Oct-Nov	since 1982	Stratified random bottom trawl	Cod, redfish Other finfish	63	N	80	0-400m	Y	Y	N	Y	U	EU-Germany	00/1100/28
Greenland/Deepsea	1A - 1D	Sep-Oct	1987-95 1997	"	Greenland halibut Roundnose grenadier	36	N	80	400-1500m	Y	Y	N	Y	N	Greenland/	00/10
Greenland shrimp	1A - 1F	Jul-Aug	since 1992	"	Shrimp	230	N	80	0-600m	Y	Y	N	Y	N	Greenland	00/22

Stock name: Cod in Division 3M																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
EU- bottom trawl	3M	Jul	1988-99	Stratified random bottom trawl	all	117	N	100%	127-730m	Y	Y	Y	Y	Y	EU	00/9
Russian trawl	3M	May	1983-96 (1994 missing)	Stratified random bottom trawl (and acoustic survey 1987-93)	all	58	Y	100%	127-730m	Y	Y	Y	Y	N	Russia	97/7
Canadian groundfish	3M	Sep/Oct	1996	Stratified random bottom trawl	all	68	Y	100%	127-730m	Y	Y	N	N	N	Canada Newfoundland	97/42

Stock name: Redfish in Division 3M																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
EU Flemish Cap Survey	3M	Summer Jul-Aug	1988	Stratified random bottom trawl	Groundfish and shirmp	120	N		127-730 m	Y	Y	Y	Y	Y	EU/ESP EU/PRT	00/9

Stock name: American plaice in Division 3M																
Name of survey	Location (Div.)	Season months(s)	Years of survey since	Type of survey and gears	Target Species	No. of Sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
EU – bottom trawl	3M	Summer Jul-Aug	1988	Stratified random bottom trawl	Groundfish and shrimp	120	N	100	127-731 m	Y	Y	Y	Y	Y	EU-Spain EU-Portugal	00/9

Stock name: Cod in Divisions 3NO																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
Groundfish	3NO	Apr, May	1972-98 (except 1983)	Stratified-random Bottom trawl	Groundfish	160	Y	100	30-400 ftm	Y	Y	Y	Y	Y	Canada	98/65
Juvenile flatfish	3NO	Sep	1989-94	Stratified-random Bottom trawl	Groundfish		Y	100	30-150	Y	Y	Y	Y	Y	Canada	96/80
Groundfish	3NO	Oct, Nov	1990-98	Stratified-random Bottom trawl	Groundfish	160	Y	100	30-400 ftm	Y	Y	Y	Y	Y	Canada	98/65
EU-Spain	3NO Reg. Area	May	1995-99	Stratified-random & Lofoten	Groundfish	137	N	20	1 100 m	Y	Y	N	Y	N	Spain	00/46

Stock name: Redfish in Divisions 3LN																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
USSR groundfish	3L, 3N	Apr-Jul (mostly)	1972-82	Fixed station Bottom trawl	Multi-species Groundfish	50-60 per Div.	Y	Unknown	1972-76: to 367m 1977-82: to 732 m	Y Y	Y Y	Y Y	Y Y	Sometimes	USSR USSR	86/66
USSR groundfish	3L, 3N	Apr-Jun (mostly)	1983-91, 1993, 1994	Stratified-random Bottom trawl	Multi-species	approx. 48-3L	Y	Unknown	to 732 m	Y	Y	Y	Y	Sometimes	USSR	86/66
					Groundfish	approx. 42-3N	Y	Unknown	to 732 m	Y	Y	Y	Y	USSR		
USSR acoustic	3LN	Apr-Jun	1987-91, 1993	Acoustic	Multi-species	unknown midwater sampl.	Y	Unknown	to 732 m	Y	Y			Sometimes	USSR	88/24
Canadian groundfish (covering deep-water strata)	3L	various	1978-86	Stratified-random Bottom Trawl	Multi-species Groundfish	min. of 40 in depths >183m	Y	Unknown	to 732 m	Y	Y	Y	Y	Sometimes	Canada	NAFO Studies No. 2
Canada redfish	3L	Jan	1990	Stratified-random Bottom trawl	Redfish	55	Y	Unknown	183-732 m	Y	Y	Y	Y	N	Canada	NAFO Studies No. 2
Canada groundfish	3LN	Apr-Jun	1990-93	Stratified-random Bottom trawl	Multi-species Groundfish	90 in redfish depths	Y	Unknown	to 732 m	Y	Y	Y	Y	Y	Canada	NAFO Studies No. 2
Canada redfish	3L, 3N (since 1990)	Aug	1990-91, 1993	Stratified-random Bottom trawl	Redfish	59-3L 47-3N	Y	Unknown	183-732 m	Y	Y	Y	Y	Y	Canada	NAFO Studies No. 2
Canada groundfish	3L	Oct-Dec + Apr-May	1990-99	Stratified-random Bottom trawl	Multi-species Groundfish	128 in redfish depths	Y	Unknown	to 732 m	Y	Y	Y	Y	N	Canada	NAFO Studies No. 2
Canada groundfish	3N	Oct-Dec + Apr-May	1991-99	Stratified-random Bottom trawl	Multi-species Groundfish	30 in redfish depths	Y	Unknown	to 732 m	Y	Y	Y	Y	Y	Canada	NAFO Studies No. 2

Stock name: American plaice in Division 3LNO																
Name of survey	Location (Div.)	Season Months(s)	Years of Survey from, to or since	Type of survey and gears	Target Species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth Range	Research data related to stock estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
Canadian spring	3LNO	Apr-Jun	1971-00	Stratified random Campelen	Groundfish	310	Y	95	to 730 m	Y	Y	Y	Y	Y	Canada	SCR 00/41
Canadian autumn	3LNO	Sep-Dec	1990-99	Stratified random Campelen	Groundfish Shellfish	386	Y	100	to 1 460 m	Y	Y	Y	Y	Y	Canada	SCR 00/41
EU-Spain	3NO Reg. Area	Apr-May	1995-00	Stratified random Padreira	Groundfish	124	N	10	to 1 460 m	Y	Y	N	Y	N	Spain	SCR 00/46
Canadian DFO-Industry Co-operative	3NO	Quarterly in 1997-98	1996-99	Grid survey with commercial Engel trawl (unlined)	Yellowtail (by-catches of cod, A. plaice)	50-80 sets per survey (285 total in 1997)	Y	20	45-90 m	N	N	N	N	N	Canada	SCR 00/42

Stock name: Yellowtail flounder in Divisions 3L, 3N and 3O																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target Species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
Canadian Groundfish (Spring)	Div. 3LNO	Spring (Apr-Jun)	1971-99	Stratified random - bottom trawl	Groundfish	243	Y	100	51 to 941m	Y	Y	Y	Y	Y	Canada	00/35
Canadian Groundfish (Autumn)	Div. 3LNO	Autumn (Oct-Nov)	1990-99	Stratified-random - bottom trawl	Groundfish	315	Y	100	51 to 1 437m	Y	Y	Y	Y	Y	Canada	00/35
Spanish Groundfish (Spring)	Div. 3NO Regulatory Area	Spring (Apr-May)	1995-2000	Stratified-random - bottom trawl	Groundfish	124	N	unknown	45 to 1 280m	Y	Y	N	N	N	Spain	00/46
Canadian DFO/Industry	Div. 3NO	Winter 1997 Spring 1997 Summer 1997 Autumn 1997	1996-99	Grid survey with fixed stations	Yellowtail	285	Y	80	45-90m	N	N	N	Y	N	Canada	00/42

Stock name: Witch flounder in Divisions 3N and 3O																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target Species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
Canadian Groundfish (Spring)	Div. 3LNO	Spring (Apr-Jun)	1971-99	Stratified Random - Bottom trawl	Groundfish	315	Y	100	51 to 941m	Y	Y	Y	Y	Y	Canada	00/14
Canadian Groundfish (Autumn)	Div. 3LNO	Autumn (Oct-Nov)	1990-99	Stratified-Random - Bottom trawl	Groundfish	683N 750O	Y	100	51 to 1 437m	Y	Y	Y	Y	Y	Canada	00/14
Spanish Groundfish (Spring)	Div. 3NO Regulatory Area	Spring (Apr-May)	1995-2000	Stratified-Random - Bottom trawl	Groundfish	118	N	unknown	45 to 1500m	Y	Y	N	N	N	Spain	00/46

Stock name: Roughhead Grenadier in Subareas 2 and 3																
Name of survey	Location (Div.)	Season Months(s)	Years of Survey since	Type of survey and gears	Target Species	No. of Sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth Range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
Canadian Fall Survey	2GHJ 3MLNO	Oct-Dec	1978	Stratified random <= 1994 Engel >=1995 Campelen	Groundfish Shellfish	750	Yes	100%	>1500	+	+	No	+	No	CAN	-
Canadian Spring Survey	3LNO	Spring May-July	1978	Stratified random <=1995 Engel >= 1996 Campelen	Groundfish Shellfish	330	Yes	100%	<730 m	+	+	No	+	No	CAN	-
Canadian deepwater	3MLN	August February Spring	1991 1994 1995	Bottom trawl						+	+	No	+	No	CAN	-
Spanish Spring Surveys	3NO	April-May	1995	Stratified Random (Pedreira)	Groundfish	118	No		50-1400m	+	+	+	+	+	EU-ESP	SCR 00/46
Flemish Cap Surveys	3M	July	1988	Stratified Random (Lofoten)	Groundfish Shrimp	117	No		50-720m	+	+	+	+	+	EU-ESP EU-PRT	SCR 00/9

Stock name: Greenland halibut in Subareas 2+3KLMNO																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
Canadian autumn groundfish	2J,3K, 3L	Oct-Dec	78-99 2J3K 81-99 3L	Stratified-random Engel trawl 1978-94 2J3K Yankee trawl 1981-82 3L Engel trawl 1984-94 3L Campelen Trawl all areas 1995-99	Groundfish (Cod, flounders, G. halibut, Redfish & shellfish)	439 in 1999	Y	This column not appropriate for this species given differences in depth coverage and areas covered in the surveys.	2J3K in 1997 123-1488 m 3L in 1997 35-1436 m	Y	Y	Y	Y	Y	Canada	00/12
EU bottom trawl	3M	Jul	1988-99	Stratified-random Bottom trawl	Groundfish & shrimp	117	N		to 366 in most years	N	N	Y	Y	Y	EU	00/9
EU-Spain bottom trawl	Reg. Area 3NO	Apr-May	1995-2000	Stratified-random Bottom trawl	Groundfish	118	N		to 731 m	Y	Y	N	Y	Y	Spain	00/46
Japan groundfish	2GH	August	1996 only	Stratified-random Bottom trawl	Groundfish	134	Y		about 1300 m	Y	Y	Y	Y	N	Japan	97/25
Canadian groundfish	2GH	Sep-Oct	occasion since 1978	Stratified-random Campelen in 1996-99	Groundfish & shellfish	150	Y		201-1382 m	Y	Y	Y	Y	Y	Canada	00/12
Canadian groundfish	3MNO	Sep-Dec	3NO 1990-99 *3M 1996-99	Stratified-random Campelen	Groundfish	12 -3M 68- 3N 75 -3O	Y	3M * 1997 only in deepwater Sackville Spur, Flem. Pass	1379 m 3M 769 m 3N 611 m 3O	Y	Y	Y	Y	Y	Canada	00/12
Russian	3M	May	1987-96	Stratified-random Bottom trawl	Groundfish	-	Y		914 m in 1996 914 m	Y	Y	Y	Y	N	Russia	98/13
	3LM Fl. Pass	Feb	1995-96	Stratified-random Bottom trawl	Groundfish	-	Y			Y		Y	Y	N		

Stock name: Short-finned Squid in Subareas 3 and 4																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No
										abundance	bio-mass	ALK	LF			
July bottom trawl	SA 4 (4VWX)	July	From 1970	Stratified random bottom trawl	Multi-species		Y	?	? unknown	Y	Y	N	Y	N	Canada	00/37
Sept bottom trawl	SA 4 (4T)	Sept	From 1971	Stratified random bottom trawl	Multi-species		Y	?	? unknown	Y	Y	N	N	N	Canada	00/37

Stock name: Squid in Subareas 5 and 6																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No
										abundance	bio-mass	ALK	LF			
Autumn 5+6 Bottom Trawl	SA 5+6	Sep-Dec	From 1967	Stratified random bottom trawl	Multi-species		Y	?	? unknown	Y	Y	N	Y	Y	USA	00/37

Stock name: Cod Divisions 2J+3KL																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
Groundfish	2J3K	Oct, Nov, Dec	1977-99	Stratified-random Bottom trawl	Groundfish	400	Y	100	100-1000 m	Y	Y	Y	Y	Y	Canada	00/33
Groundfish	3L	Oct, Nov	1981-99	Stratified-random Bottom trawl	Groundfish	160	Y		30-400 ftm	Y	Y	Y	Y	Y	Canada	00/33
Groundfish	3L	May-Jun	1971-99	Stratified-random Bottom trawl	Groundfish	160	Y		30-800 ftm	Y	Y	Y	Y	Y	Canada	00/33
Acoustics	3L	Apr	1997	Acoustic	Cod		Y			N	Y	Y	Y	N	Canada	97/49
Juvenile flatfish	3L	Aug, Sep	1989-94	Stratified-random Bottom trawl	Groundfish		Y		30-150 ftm	Y	Y	Y	N	N	Canada	95/59
Juvenile cod	2J3KL	Aug, Sep	1992-99	Fixed station	0-group cod	100-150	Y		30-400 ftm	Y	N	Y	Y	N	Canada	00/33
Acoustic	3KL	Oct-Dec	1997	Acoustic	cod/herring		N	70	<120m	N	Y	Y	Y	N	Canada	98/46

Stock name: Witch flounder in Div. 2J+3KL																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
Canadian autumn groundfish	2J,3K, 3L	Oct-Dec	78-99 2J3K 81-99 3L	Stratified-random Engel trawl 1978-94 2J3K Yankee trawl 1981-82 3L Engel trawl 1984-94 3L Campelen Trawl all areas 1995-99	Groundfish (Cod, flounders, G. halibut, Redfish & shellfish)	439 in 1999	Y	This column not appropriate for this species given differences in depth coverage and areas covered in the surveys.	2J3K in 1997 123-1488 m 3L in 1997 35-1436 m	Y	Y	Y	Y	Y	Canada	00/12

Stock name: Elasmobranchs in Subareas 2-6																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of Coverage in Relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
Spring Multispecies	SA 3	Apr-Jun	From 1971	Stratified-random	Multispecies	~200	Y	Partial	50-1100 m	Y	Y	N	Y	N	Canada	
Fall Multispecies	SA 3	Sep-Nov	From 1978 to date	Stratified-random	Multispecies	~250	Y	All	50-1100 m	Y	Y	N	Y	N	Canada	
	SA0	Oct	1999	Stratified-random Bottom trawl	Greenland halibut	66	Y	Partial	400-1500 m	Y	Y	N	Y	Y	Canada	00/31

Stock name: Shrimp in Division 3M																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No
										abundance	bio-mass	ALK	LF			
EU-bottom trawl	3M	Jul	1988	Stratified random bottom trawl	All	???	N	100	80-730 m	Y	Y	N	Y	Y	EU	96/94 96/98
Faeroese – bottom trawl	3M	Jun	1997-2000	Stratified random bottom trawl	Shrimp	61			100-300 fm	Y	Y	-	Y	Y	Faroese	00/83

Stock name: Shrimp – Subareas 0+1																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock estimates				Individual weights	Country	SCR Doc. No.
										abundance	bio-mass	ALK	LF			
Greenland bottom trawl	1A offshore Disko Bay inshore	Jul-Sep	since 1988	Stratified-random survey	Northern shrimp groundfish	202	N	95	150-600m	Y	Y	N	Y	Y	Greenland	00/78

Stock name: Shrimp in Denmark Strait																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No
										abundance	bio-mass	ALK	LF			
East Greenland shrimp survey	ICES XIVb	Sep	1989-1996 (except 1991 and 1993)	Spline survey, bottom shrimp trawl	Northern shrimp	40	No	Not known	200-600 m	N	N	N	Y	N	Greenland	96/116

Stock name: Shrimp in 3LNO																
Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCR Doc. No
										abundance	bio-mass	ALK	LF			
Multi-species Spring Survey	3LNO 3Ps	May to June	Since 1998	Stratified-random bottom trawl	Groundfish Shellfish (crab, shrimp)/ capelin	272	Yes	100% of area covered	30-732 m	Y	Y	N	Y	N	Canada	SCR 96/27
Multi-species Autumn Survey	2J 3KLNO	October to December	1995 to present	Stratified-random bottom trawl	Groundfish Shellfish (crab, shrimp)/ capelin	(376 sets done in Div. 3LNO)	Yes	100% of area covered	30-1500 m	Y	Y	N	Y	N	Canada	SCR 96/27

Stock name: Shrimp in Division 3M

Name of survey	Location (Div.)	Season months(s)	Years of survey from, to or since	Type of survey and gears	Target species	No. of sets	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Indiv-idual weights	Country	SCR Doc. No
										abun-dance	bio-mass	ALK	LF			
Faeroese – bottom trawl	3M	Jun	1997-2000	Stratified random bottom trawl	Shrimp	61	-		100-300 fm	Y	Y	-	Y	Y	Faroes	00/83