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**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 and that Designated Experts should update the information annually for review by STACFIS (*NAFO Sci. Coun. Rep.*, 1991, p. 114). The following tabulations were received at the Secretariat from the Designated Experts during the year 2025.

Stock name: Greenland halibut in Subarea 0 +1 (offshore)																
Name of survey	Location (Div.)	Season month(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				Country	SCS/SCR Doc. No.	
										Abundance	Biomass	ALK	LF			Individual weights
Greenland Deep Sea	1CD	Aug-Nov	1997 – 2017, 2019	Stratified Random bottom Trawl, Alfredo trawl	Greenland halibut	70	Y	-	400-1500 m	Y	Y	N	Y	Y	Greenland	SCR 24/13
Greenland deep-sea survey	1C	October	2022-2025	Stratified Random bottom Trawl, Bacalao Trawl	Greenland halibut	71	Y	-	400-1500m	Y	Y	N	Y	Y	Greenland	SCR 24/13
Greenland Shrimp Trawl	1A-F	June-July	1991-2020, and 2022-2025	Stratified Random bottom Trawl, Cosmos trawl since 2005 (1991-2014time-series transformed)	Shrimp Groundfish	331	N	-	50-600m	Y	Y	N	Y	Y	Greenland	SCR 24/19
Canada Deep Sea	0A	Oct-Nov	1999, 2000, 2001, 2004, 2006, 2008, 2010, 2012, 2014-2017, 2019	Stratified Random bottom Trawl, Alfredo trawl	Greenland halibut	72	Y	-	400-1500 m	Y	Y	N	Y	Y	Canada	SCR 23/29
Canada Deep Sea	0A	Oct-Nov	2022-2025	Stratified Random bottom Trawl, Bacalao trawl	Demersal fishes and invertebrates	86	Y	-	200-1500 m	Y	Y	N	Y	Y	Canada	SCR 24/23
Canada Deep Sea	0B	Oct-Nov	2000, 2001, 2011, 2013, 2014-2016	Stratified Random bottom Trawl, Alfredo trawl	Greenland halibut	81	Y	-	400-1500 m	Y	Y	N	Y	Y	Canada	SCR 17/28
Canada Deep Sea	0B	November	2022-2025	Stratified Random bottom Trawl, Bacalao trawl	Demersal fishes and invertebrates	105	Y	-	200-1500 m	Y	Y	N	Y	Y	Canada	SCR 24/23

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	SCS/ SCR Doc. No
										Abundance	Bio-mass	ALK	LF			
Disko bay Inshore	Disko Bay	Jun-Jul	1993-01 2001-24	Longline Gillnet	Greenland halibut	- 41	Y	-	200-700m	Y	Y	Y	Y	Y	Greenland	25/019
Uummannaq Inshore	Uummannaq	Aug-Sep	1993-15 2011-24	Longline Gillnet	Greenland halibut	- 44	Y	-	200-900m	Y	Y	Y	Y	Y	Greenland	25/018
Upernavik Inshore	Upernavik	Aug-Sep	1998-14 2012-24	Longline Gillnet	Greenland halibut	- 44	Y	-	200-900m	Y	Y	Y	Y	Y	Greenland	25/017
Greenland Shrimp and Fish survey	Disko bay + (1A-1F)	Jul-Sep	1991- 2024	Stratified-random trawl	Shrimp & fish	30	N		50-600m	Y	Y	Y	Y	Y	Greenland	25/019 25/020

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	SCS/ SCR Doc. No
										Abundance	Bio-mass	ALK	LF			
West Greenland Groundfish	1B - 1F	Oct-Nov	1982-2019	Stratified random bottom trawl	Cod, redfish, other finfish	0	N	?	0-400m	Y	Y	N	Y	Y	EU-Germany	SCR 20/052
Greenland – Deepsea	1C - 1D	Aug-Nov	1997-2017, 2019, 2022-2024	Stratified random bottom trawl	Greenland halibut,	80	Y	?	400-1500m	Y	Y	N	Y	Y	Greenland	SCR 25/021
Greenland Shrimp and Fish survey	1A - 1F	Jul-Aug	1990-2020, 2022-2024	Stratified random bottom trawl	Shrimp & fish	344	N	?	50-600m	Y	Y	N	Y	Y	Greenland	SCR 25/020
Greenland Shrimp and Fish survey - inshore	1D	September	Since 2015	Stratified fixed bottom trawl	Shrimp & fish	19	N	?	50-600m	Y	Y	N	Y	Y	Greenland	SCR 25/011

Stock name: Wolffish in SA1 and American plaice in SA 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	SCS/ SCR Doc. No
										Abundance	Bio-mass	ALK	LF			
West Greenland groundfish	1B - 1F	Oct-Nov	since 1982	Stratified random bottom trawl	Cod, redfish finfish	0	N	?	0-400m	Y	Y	N	Y	Y	EU-Germany	SCR 20/052
Greenland Shrimp and Fish survey	1A - 1F	Jul-Aug	1990-2020, 2022-2024	Stratified random bottom trawl	Shrimp & fish	334	N	?	50-600m	Y	Y	N	Y	N	Greenland	SCR 25/020

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	SCS/SCR Doc. No
										Y	Y	Y	Y			
EU- bottom trawl survey	3M	Jul-Aug	since 1988	Stratified random	All	181	N	100%	<750 m (88-03) <1400m (04-24)	Y	Y	Y	Y	Y	EU	SCR 25/04
Canadian Flemish Cap survey	3M	Jan-Feb	1978-1995	Stratified random	All	132	Y	100%	<730 m	Y	Y	Y	Y	Y	Canada Newfoundland	SCR 92/76
Russian trawl survey	3M	May-June	1983-1993 1995-1196 2001-2002	Stratified Random (and acoustic survey 1987-93)	All	94	Y	100%	<1280 m	Y	Y	N	N	N	Russia	SCS 03/9
Canadian groundfish survey	3M	Sept-Oct	1996	Stratified random	All	68	Y	100%	<730 m	Y	Y	N	N	N	Canada Newfoundland	SCR 97/42
Faroese longline survey	3M	Jun-Jul	2021-2023	Stratified random	All	28	Y	100%	<700 m	Y	Y	Y	Y	Y	Faroese	SCR 24/041

Stock name: Golden redfish ( <i>Sebastes norvegicus</i> ) 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	SCS/ SCR Doc. No.
										abundance	bio-mass	ALK	LF			
EU – bottom Trawl	3M	Summer Jun/Jul	1988	Stratified-random bottom trawl	Groundfish and shrimp	181	N	100	127-1460m	Y	Y	Y	Y	Y	EU-Spain EU-Portugal	SCR 25/004

Stock name: Beaked redfish ( <i>Sebastes mentella</i> and <i>S. fasciatus</i> ) 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	SCS/ SCR Doc. No.
										abundance	bio-mass	ALK	LF			
EU – bottom Trawl	3M	Summer Jun/Jul	1988	Stratified-random bottom trawl	Groundfish and shrimp	181	N	100	127-1460m	Y	Y	Y	Y	Y	EU-Spain EU-Portugal	SCR 25/004

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	SCS/ SCR Doc. No.
										abundance	bio-mass	ALK	LF			
EU – bottom Trawl	3M	Summer Jun/Jul	1988	Stratified-random bottom trawl	Groundfish and shrimp	181	N	100	127-1460m	Y	Y	Y	Y	Y	EU-Spain EU-Portugal	SCR 25/04

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	SCS/ SCR Doc. No
										Abundance	Bio-mass	ALK	LF			
Canadian Spring Bottom Trawl Survey	3NO	Apr-Jun	1972-2024 (except 1983,2006,2020,2021)	Stratified-random Bottom trawl	Multi-species	145	Y	100	38-731 m	Y	Y	Y	Y	Y	Canada	SCR 25/28
Juvenile flatfish	3NO	Sep	1989-94	Stratified-random Bottom trawl	Groundfish		Y	100	30-150 m	Y	Y	Y	Y	Y	Canada	SCR 96/80
Canadian Autumn Bottom Trawl Survey	3NO	Oct-Dec	1990-2024 (except 2014,2021,2022)	Stratified-random Bottom trawl	Multi-species	158	Y	100	38-731 m	Y	Y	Y	Y	Y	Canada	SCR 25/28
EU-Spain	3NO - Regulatory Area	Jun	1995-2024 (except 2020)	Stratified-random Bottom trawl	Multi-species	115	N	20	43-1438 m	Y	Y	Y	Y	Y	Spain	SCR 25/06

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	SCS/ 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	Y	Y	Y	Y	Some-times	USSR	86/66
									1977-82: to 732 m	Y	Y	Y	Y			
USSR ground-fish	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	Some-times	USSR	86/66
					Groundfish	approx. 42-3N	Y	Unknown	to 732 m	Y	Y	Y	Y			
USSR acoustic	3LN	Apr-Jun	1987-91, 1993	Acoustic	Multi-species	unknown midwater sampl.	Y	Unknown	to 732 m	Y	Y			Some-times	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	Some-times	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 ground-fish	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
Canadian Groundfish (Autumn)	3LN	Oct-Dec	Since 1991 with some interruptions	Stratified Random Campelen Trawl, Modified Campelen starting in 2021 (NEW)	Groundfish & shellfish	204 in 2023	Y	Unknown	48-1404	Y	Y	N	Y	Y	Canada	24/036
Canadian Groundfish (Spring)	3LN	Apr-Jun	Since 1984 with some interruptions	Stratified Random Campelen Trawl, Modified Campelen starting in 2021 (NEW)	Groundfish & shellfish	153 in 2023	Y	Unknown	65-650	Y	Y	N	Y	Y	Canada	24/036
EU-Spain Groundfish (Spring)	3N	Jun	Since 1995	Stratified Random Pedreira Trawl, Campelen starting in 2001	Groundfish & shellfish	86 in 2023	N	Unknown	43-1438	Y	Y	N	Y	Y	Spain	24/007
EU-Spain Groundfish (Summer)	3L	August	Since 2003	Stratified Random Campelen Trawl	Groundfish & shellfish	100 in 2023	N	Unknown	129-14581	Y	Y	N	Y	Y	Spain	24/008

Stock name: American plaice in Divisions 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	SCS/SCR Doc. No
										Abundance	Bio-mass	ALK	LF			
Canadian spring	3LNO	May-Jun	1971-2024	Stratified random Campelen	Multispecies	210	Y	95	44-732 m	Y	Y	Y	Y	Y	Canada	25/028
Canadian autumn	3LNO	Sep-Dec	1990-2024	Stratified random Campelen	Multispecies	205	Y	100	42-1500 m	Y	Y	Y	Y	Y	Canada	25/028
EU-Spain	3NO Reg. Area	Jun	1995-2024	Stratified random Campelen	Groundfish	113	N	11	44-1500	Y	Y	N	Y	N	Spain	25/006
EU-Spain	3L Reg. Area	Jul-Aug	2003-2024	Stratified random Campelen	Groundfish	100	N	unknown	129-1500	Y	Y	N	Y	N	Spain	25/xxx
Canadian DFO-Industry Co-operative	3NO – expanded to 3L in 2000	Jul-Aug (quarterly in 1997-98)	1996-2004	Grid survey with commercial Engel trawl (unlined)	Yellowtail (bycatches of cod, A. plaice)	61 - Jul 80 - Aug	Y	22	45-90	N	N	N	N	N	Canada	05/9

Stock name: Yellowtail flounder in Divisions 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 (m)	Research data related to stock size estimates				Individual weights	Country	SCS/ SCR Doc. No
										Abundance	Bio-mass	ALK	LF			
Canadian Multispecies Spring	3LNO	May-Jun	1971-2024	Stratified Random Campelen Trawl	Multispecies	210	Y	<100%	1-732	Y	Y	N	Y	Y	Canada	25/028
Spanish Groundfish	3NO	June	1995-2024	Stratified Random Campelen Trawl	Multispecies	113	N	NA	40-1460	Y	Y	N	Y	N	Spain	25/006

Stock name: Witch flounder 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 (m)	Research data related to stock size estimates				Individual weights	Country	SCS/ SCR Doc. No
										Abundance	Bio-mass	AL K	LF			
Canadian Multispecies Spring	3NO	Apr-May	Since 1984 with some interruptions	Stratified Random Campelen Trawl, Modified Campelen starting in 2021 (NEW)	Groundfish & shellfish	119	Y	<100%	39-721	Y	Y	N	Y	Y	Canada	25/028
Canadian Multispecies Fall	3NO	Oct-Nov	Since 1990 with some interruptions	Stratified Random Campelen Trawl, Modified Campelen starting in 2021 (NEW)	Groundfish & shellfish	111	Y	<100%	44-680	Y	Y	N	Y	Y	Canada	25/028
Spanish Groundfish	3NO	June	Since 1995	Stratified Random Campelen Trawl	Groundfish & shellfish	113	N	NA	40-1460	Y	Y	N	Y	N	Spain	25/006

Stock name: Capelin 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	SCS/ SCR Doc. No
										Abundance	Bio-mass	ALK	LF			
Multi-species bottom trawl survey	3NO	May-June	1995-2024	Stratified Random <=2001 Pedreira >=2001 Campelen	Groundfish	103	+	?	43-1460 m	Y	Y	N	Y	N	Spain	25/006
Spring multi-species bottom trawl survey	3NO	May-June	1996-2024	Stratified Random <=2013, 2015, 2017, 2019 Campelen  2014, 2016>=2022 Modified Campelen	Groundfish	116	+	?	39-721 m	N	Y	N	N	N	Canada	25/028

Stock name: Redfish in Divisions 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	SCS/ SCR Doc. No.
										abundance	bio-mass	ALK	LF			
USSR ground-fish	3O	Apr-Jun (mostly)	1983-91, 1993, 1994	Stratified-random Bottom trawl	Multi-species Groundfish	75-100	Y	Unknown	to 732 m	Y	Y	Y	Y	Some years	Russia	86/66
Canada ground-fish	3O	Apr-Jun	1971-90	Stratified-random Bottom trawl	Multi-species	30-36 in redfish depths	Y	Unknown	to 367m	Y	Y	Y	Y	N	Canada	NAFO Studies No. 2
EU-Spain	3O	Jun	1995-2024	Stratified-random Bottom trawl	Groundfish	6-23 in redfish depths	N	Unknown	93 - 1410 m	Y	Y	N	Y	Some years	Spain	SCR 25/006
Canada ground-fish	3O	Fall + spring series	1991-2024	Stratified-random Bottom trawl	Multi-species	24-40 + 35-51 in redfish depths	Y	Unknown	To 732 m in most years	Y	Y	N	Y	Y	Canada	SCR 25/028

Stock name: White hake in Divisions 3N, 3O, and 3Ps																
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 (2024)	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCS/ SCR Doc. No.
										abundance LF	bio-mass	ALK				
Canadian Groundfish (Spring)	Div.3NOPs	Spring (April-May)	1971-2019, (Subdiv. 3Ps <i>only</i> ) 2021-2023 (Div. 3NO <i>only</i> ), 2024	Stratified-random - bottom trawl	Groundfish & shellfish	246	Y	98	39 to 721 m	Y	Y	N	Y	Y	Canada	SCR 25/003
Canadian Groundfish (Autumn)	Div. 3NO	Autumn (Oct-Nov)	1990-2021, 2023-2024	Stratified-random - bottom trawl	Groundfish & shellfish	111	Y	69	44 to 680 m	Y	Y	N	Y	Y	Canada	SCR 25/003
EU-Spain Groundfish (Spring)	Div. 3NO Regulatory Area	Spring (June-July)	1997-2019, 2021-2024	Stratified-random - bottom trawl	Groundfish	110	N	15	40 to 1 460m	Y	Y	N	Y	Y	EU-Spain	SCR 25/006

Stock name: Thorny skate in Divisions 3L, 3N, 3O, and 3Ps																
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 (2024)	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCS/ SCR Doc. No.
										abundance	bio-mass	ALK	LF			
Canadian Groundfish (Spring)	Div. 3LNOPs	Spring (April-June)	1971-2019, (Subdiv. 3Ps <i>only</i> ) 2021-2023 (Div. 3LNO <i>only</i> ), 2024	Stratified-random - bottom trawl	Groundfish & shellfish	337	Y	98	39 to 721 m	Y	Y	N	Y	Y	Canada	SCR 25/003
Canadian Groundfish (Autumn)	Div. 3LNO	Autumn (Oct-Nov)	1990-2021, 2023-2024	Stratified-random - bottom trawl	Groundfish & shellfish	205	Y	69	44 to 691 m	Y	Y	N	Y	Y	Canada	SCR 25/003
EU-Spain Groundfish	Div. 3NO Regulatory Area	Spring (June-July)	1997-2019, 2021-2024	Stratified-random - bottom trawl	Groundfish	110	N	?	43 to 1 438 m	Y	Y	N	Y	Y	EU-Spain	SCR 25/006
EU-Spain Groundfish	Div. 3L Regulatory Area	Summer (August)	2003-2019, 2023-2024	Stratified-random - bottom trawl	Groundfish	94		?	117 to 1 482 m	Y	Y	N	Y	Y	EU-Spain	SCR 25/008

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 Autumn Survey	2GHJ 3MLNO	Oct-Dec	1978	Stratified random <= 1994 Engel >=1995 Campelen	Groundfish Shellfish	391 in 2024	Yes		<1500	+	+		+	No	CAN	SCR 25/28
Canadian Spring Survey	3LNO	Spring April- May-July	1978	Stratified random <=1995 Engel >= 1996 Campelen	Groundfish Shellfish	127 in 2024	Yes		<730 m		+			No	CAN	SCR 25/28
Canadian deepwater	3MLN	August February Spring	1991 1994 1995	Bottom trawl	Groundfish				<1500	+	+		+	No	CAN	SCR 95/51
Spanish Surveys in Div. 3NO	3NO	June	1995	Stratified Random <=2001 Pedreira >=2001 Campelen	Groundfish	113 in 2024	No	Low	<1500	+	+		+	+	EU-ESP	SCR 25/06
Spanish Surveys in Div. 3L	3L	August	2003	Stratified Random Campelen	Groundfish	95 in 2024	No	Low	<1500	+	+		+	+	EU-ESP	SCR 25/08
EU Flemish Cap Surveys	3M	July	1988	Stratified Random (Lofoten)	Groundfish Shrimp	186 in 2024	No	Flemish Cap	<1500	+	+	+	+	+	EU-ESP EU-PRT	SCR 25/04
Russian	3M	May/June	2001 and 2002	Stratified random bottom trawl	Groundfish	94	Yes	Flemish Cap	120- 1280 m	+	+		+		RUS	SCR 03/09 SCR 07/10
EU Deepwater	3LMN	April-May	1996	Longline	Groundfish	64	Yes		700- 3100m				+	+	EU-ESP EU-PRT	SCR 96/34, 97/19, 97/20

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	SCS/ SCR Doc. No
										Abundance	Bio-mass	ALK	LF			
Canadian groundfish spring	3LNO	Apr-June	Since 1995 (2006, 2015, 2020, 2021, 2022 incomplete)	Stratified-random Campelen trawl	Multi-species survey		Y		42-725 m	Y	Y	Y	Y	Y	Canada	25/028
Canadian groundfish autumn	2J3K 3LNO	Autumn	2J3K since 1978 (2008, 2022 incomplete) 3L since 1981 (2014, 2021, 2022 incomplete)	Stratified-random Engel trawl 1978-94 2J3K Yankee trawl 1981-82 3L Engel trawl 1984-94 3LNO Campelen Trawl all areas since 1995	Multi-species survey	2J3K: 149	Y	This column not appropriate for this species given differences in depth coverage and areas covered in the surveys	2J 129-1325 m  3K 139-658 m  3L 62-668 m	Y	Y	Y	Y	Y	Canada	25/028
EU bottom trawl	3M	Jun-Jul	1988-2022	Stratified-random Lofoten trawl	Groundfish & shrimp	181	N		128-1460 m	Y	Y	Y	Y	Y	EU	25/004
EU-Spain bottom trawl	Reg. Area 3LNO	Apr-May	3NO since 2003 (2000, 2008, 2020 incomplete)	Stratified-random Bottom trawl	Groundfish	3NO: 114	N		3NO 44-1450m 3L 126-1447 m	Y	Y	N	Y	Y	Spain	25/006, 008
Canadian groundfish autumn	2GH	Sep-Oct	2G no longer covered; 2H since 1978 (2022 incomplete)	Stratified-random Campelen in 1996-2018	Multi-species survey	2H: 52	Y		98-1399 m 2H	Y	Y	Y	Y	Y	Canada	24/036
Canadian groundfish autumn	3MNO	Sep-Dec	3NO since 1990 (2021, 2022 incomplete) 3M 1996-2003, 2006-2007	Stratified-random Campelen	Multi-species survey				3N 40-634 m 3O 64-7665 m						Canada	25/028
Russian	3M	May	1987-96	Stratified-random Bottom trawl	Groundfish	90	Y	Flemish Cap	914 m in 1996	Y	Y	Y	Y	N	Russia	98/13
Russian	3LM Flemish Pass	Feb Apr-May	1995-96 2000	Stratified-random Bottom trawl	Groundfish	84	Y		732-1280 m	Y	Y	Y	Y	N	Russia	01/10
Russian	3M	May-Jun	2001-02	Stratified-random Bottom trawl	Groundfish		Y		127-1280m	Y	Y	Y	Y	N	Russia	03/09

Stock name: Northern Shortfin 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	SCS/SCR Doc. No
										Abundance	Bio-mass	ALK	LF			
July multispecies bottom trawl	SA 4	July	1970-2021	Stratified random bottom trawl	Multi-species	*	Y	Unknown	20-366 m	Y	Y	N	Y	N	Canada	
CA autumn multispecies bottom trawl	4T	Sep	1971-2021	Stratified random bottom trawl	Multi-species	156	Y, after 1986	Unknown, likely < 20%	25-364 m	Y	Y	N	N	N	Canada	
EU multispecies bottom trawl	3M	July	1988-2021	Stratified random bottom trawl	Multi-species	77	N, 0600-2200	Unknown, likely < 10%	127-730 m, 127- 1460 m as of 2004	Y	Y	N	Y	N	EU/ESP EU/PRT	SCS Doc. 22/004
EU multispecies bottom trawl	3NO	June	1995-2021 No 2020	Stratified random bottom trawl	Multi-species	113	N	Unknown	42-1 394 m	Y	Y	N	Y	N	EU/ESP	SCS Doc. 22/005
CA spring multispecies bottom trawl	3LNOP	April-June	2005-2019 No 2020	Stratified random bottom trawl	Multi-species	*	Y	Unknown	20-870 m, but inconsistent inshore	Y	Y	N	N	N	Canada	SCS Doc. 22/007
CA autumn multispecies bottom trawl	3KLNO	Mainly Sept-Dec, but extends through Jan in some years	2005-2019	Stratified random bottom trawl	Multi-species	*	Y	Unknown	30-1 500 m, but inconsistent inshore and > 730 m	Y	Y	N	N	N	Canada	SCS Doc. 22/007

*\*The data in this table is only updated every three years (e.g., 2019 and 2022) when a full assessment is conducted*

Stock name: Northern Shrimp in Divisions 3LNO																
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	SCS/ SCR Doc. No
										Abundance	Bio-mass	ALK	LF			
Multi-species Spring Survey	3LNO 3Ps	May to June	1999 to present	Stratified-random bottom trawl	Groundfish Shellfish (crab, shrimp)/ capelin	~300 sets in 3LNO	Yes	100% of area covered	30-732 m	Y	Y	N	Y	N	Canada	SCR 16/58
Multi-species Autumn Survey	2HJ 3KLNO	October to December	1995 to present	Stratified-random bottom trawl	Groundfish Shellfish (crab, shrimp)/ capelin	~300 sets in 3LNO	Yes	100% of area covered	30-1500 m	Y	Y	N	Y	N	Canada	CSAS 2017/ 12
EU Bottom Trawl Survey	3NO	May June	1995 - present	Stratified-random bottom trawl	Groundfish Shellfish (crab, shrimp)/ capelin	95	No		60-1500	Y	Y				EU-Spain	SCR 16/51
EU Bottom Trawl Survey	3L	August	2003 - present	Stratified-random bottom trawl	Groundfish Shellfish (crab, shrimp)/ capelin	97	No		60-1500	Y	Y		Y	Y	Spain	SCR 16/51

Stock name: Northern 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	SCS/SCR Doc.No
										Abundance	Bio-mass	ALK	LF			
EU-Flemish Cap Survey	3M	Jul-Aug	1988 to present	Stratified-random bottom trawl	All	182	N	100%	<750m (88-02) <1400m (03-20)	Y	Y	Y	Y	Y	EU	SCR25/044

Stock name: : Northern Shrimp 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 <sup>1</sup>	24 hr fishing	Area of coverage in relation to stock distribution (%)	Depth range	Research data related to stock size estimates				Individual weights	Country	SCS/SCR Doc. No
										Abundance	Bio-mass	ALK <sup>2</sup>	LF			
West Greenland Trawl Survey (West Greenland Shelf)	SA 0+1	Jun-Jul	Since 1988	Stratified semi-systematic; trawl; Cosmos 2000 w/rockhopper	Northern shrimp and groundfish	264	Y	95	150-600m	Y	Y	N/A	Y	Y	GRL	25/037

<sup>1</sup> First number is number of stations trawled at depths between 150 and 600 m targeting shrimp; second number is number of stations in water shallower than 150 m targeting principally Atlantic cod; Third number is number of stations in water deeper than 600 m targeting principally Greenland halibut.

<sup>2</sup> Lack of satisfactory method of ageing shrimp precludes generating age-length keys.

Stock name: : Northern 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	SCS/ SCR Doc. No
										Abundance	Bio-mass	ALK	LF			
East Greenland Trawl Survey	ICES XIV	July- Aug	Since 2008  No surveys in 2017, 2018, 2019 and 2021	Stratified semi-systematic; trawl; Cosmos 2000 w/rockhopper	Northern shrimp Groundfish	77	Y	unknown	0-600m	Y	Y	N	Y	Y	Greenland	25/041

\*No update for 2017 -2019 and 2021 due to a cancelled survey.