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A Preliminary Compendium of Flemish Cap Research Cruises, 1977-1874

by

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In an effort to capture and organize the large amount of data generated by the Flemish Cap International Experiment, the following tables of research vessel cruises have been compiled by searching through NAFO documents. A previous compilation by Anderson and Chumakov (1980) details biological collection of earlier cruises.

The listing of cruises is obviously incomplete. Data from 1983 and 1984 is not yet reported in NAFO documents. The objective of assuring complete utilization of the data can only be met by provision of further information by the laboratories who conducted the research. In particular, it is difficult to establish when a research vessel made more than one independent visit to Flemish Cap within a single cruise.

The data collected is described as T-S profiles when there are salinities reported. Temperature profiles refers to BT casts without salinities. Some NAFC trawl surveys collect salinity on standard sections but not at fishing stations, so both columns of the table are marked. Plankton refers also to any reports of larval fishes. When the objective of the cruise could be determined, such as trawl surveys or acoustic surveys, this was commented upon.

The reference wherein the cruise was discovered is not likely to be the best reference for data from the cruise; it merely documents the existence of a cruise report. Accurate completion of this compendium of cruises will allow any investigators to be sure that all available data is being utilized in their research.

Each country's representative for the International Flemish Cap Experiment is requested to provide the author with information sufficient to complete the compendium.

References

- J. T. Anderson, and A. Chumakov. 1980. Historical data summary for the Flemish Cap Project (Div. 3M). NAFO SCR Doc. 80/IX/152, Ser. No. N224.

Flemish Cap Experiment - Cruise Listings

Ship, Trip	Dates	T-S Profiles	T-Profiles	Plankton	Comments	Reference
<u>1977</u>						
A.T. Cameron, 257	February 1977	X	X	No	Trawl survey	NAFC records
Persey-3, 18A	February 1977	X		No	Groundfish abundance	V.A. Chekhova et al. ICNAF Res Doc 78/VI/27 Ser #5188
Persey-3, 18B	20-25 April 1977	X			Groundfish abundance	V.A. Chekhova et al. ICNAF Res Doc 78/VI/27 Ser #5188
Persey-3, 18C	26-27 April 1977	X		2	Salinities, water temp.	B.P. Kudlo & V.D. Boytsov ICNAF Res Doc 78/VI/71 Ser #5242
Persey-3, 18D	6-7 May 1977	X			"	"
Persey-3, 18E	12 May 1977	X			"	"
Persey-3, 18F	23-29 May 1977				Temperatures	K.G. Konstantinov NAFO SCR Doc 80/VI/55 Serial #N092
Persey-3, 18G	4-5 June 1977	X		10		J.T. Anderson & A. Chumakov NAFO Res Doc 80/IX/152 Ser #N224
Persey-3, 18H	23-24 June	X			Observations of salinities, water temp.	B.P. Kudlo & V.D. Boytsov ICNAF Res Doc 78/VI/71 Ser #5242
Nonla, 1	28-30 July 1977	47°N		No	Hydrography	NAFC records
Protsion, 16	6-26 Dec 1977	X			Water circulation (hydrographic surveys)	B.P. Kudlo, V.A. Boronkov & N.G. Sapronetskaya NAFO SCR Doc 83/VI/41 Ser #N697
Suloy	September 1977					
Dawson, 31	Oct-Nov 1977	47°N, triangle	68	56	Plankton, oceanography	NAFC records
Persey-3, 19	5 Dec 1977	X			Water temp in Nfld & Labrador waters temps.	B.P. Kudlo & V.D. Boytsov ICNAF Res Doc 78/VI/71 Ser #5242
Protsion, 16	6-26 Dec 1977				Water temp in Nfld & Labrador waters temps.	V.V. Burmakina and V.S. Stekhom ICNAF Res Doc 78/VI/70 Ser #5241

Flemish Cap Experiment - Cruise Listings

Ship, Trip	Dates	T-S Profiles	T-Profiles	Plankton	Comments	Reference
<u>1978</u>						
Profision, 16A	12-23 Jan 1978	47°N, 45°W		39	Hydrography, plankton	V.V. Burmakin & V.S. Stekhov ICNAF Res Doc 78/VI/70 Ser #5241
Persey-3, 19	4-11 Jan 1978	6			Oceanography	MEDS records
Gadus, 5	25 Jan-15 Feb 1978	47°N	118	No	Trawl survey	NAFC records
Profision, 16B	3-13 Feb 1978	X		39	Hydrography, plankton	V.V. Burmakin & V.S. Stekhov ICNAF Res Doc 78/VI/70 Ser #5241
Profision, 16C	20-27 Feb 1978	X		30	Hydrographics, plankton	V.V. Burmakin & V.S. Stekhov ICNAF Res Doc 78/VI/70 Ser #5241
Evergreen	14-17 Apr 11	25		No	Oceanography	(?)
Persey-3	April-May 1978(?)				Trawl survey (?)	S. Grimm et al. NAFO SCR Doc 80/62, Ser #N101
Wieczno	18 Apr-1 May 1978	47°N, triangle	X	56	Hydrographics, plankton	V.V. Burmakin ICNAF Res Doc 78/VI/106 Ser #5471
Profision, 17A	13-15 May 1978	45°W		X	Hydrography, plankton	A.I. Postolaky NAFO SCR Doc 80/VI/57 Ser #N094
Profision, 17B	22 May-3 June 1978	47°N		20	Hydrography, plankton	A.I. Postolaky NAFO SCR Doc 80/VI/57 Ser #N094
Profision, 17C	26-27 June 1978	47°N		4	Hydrography, plankton	MEDS records
Profision, 17D	17-28 July 1978	X		X	Hydrography, plankton	NAFC records
Gadus 11	16-23 July 1978	47°N, triangle	63	56	Hydrography	NAFC records
Cape Rodger, 1	29-30 July 1978	47°N, triangle		No	Trawl survey	MEDS records
Persey-3, 20	26 July-1 Aug 1978	37				MEDS records
USSR: AD, 208	23-24 Sept. 1978	8				MEDS records
A.T. Cameron, 284	9-20 Nov 1978	47°N to 45°W	34	No	Acoustics	NAFC records
Profision, 21	6-26 Dec 1978(?)		X			

Flemish Cap Experiment - Cruise Listings

Ship, Trip	Dates	T-S Profiles	T-Profiles	Plankton	Comments	Reference
	1979					
Hudson, 79001	19-28 Jan, 1979	X		No	Moorings, CTD	C.K. Ross NAFO SCR Doc 80/1X/128 Ser #N200
Persey-3	January, 1979				Temp., salinities	J. Gagnon NAFO SCR Doc 80/1X/157 Ser #N233
Gadus, 17	4-19 Feb, 1979	X	X	No	Oceanography, plankton	NAFC files
Gadus, 19	20-24 March, 1979	X		56	Oceanography, plankton	NAFC files
Suloy, 2A	20 Mar-7 Apr, 1979	33	33		Oceanography	B.P. Kudlo & V.A. Borovkov NAFO SCR Doc 80/VI/54 Ser #N091
Gemma, 17A	7-20 April 1979	42		42	Oceanography	B.P. Kudlo & V.A. Borovkov NAFO SCR Doc 80/VI/54 Ser #N091
Gadus, 20A	18-22 April, 1979	47°N, triangle		42	Plankton, chlorophyll	NAFC files
Gadus, 20B	23-27 April, 1979	20 stns, 47°N		20	Nutrients, production	NAFC files
Gemma, 17B	3-10 May 1979	45°W		42	Oceanography, plankton	B.P. Kudlo & V.A. Borovkov NAFO SCR Doc 80/VI/54 Ser #N091
Gemma, 17C	29 May-1 June, 1979	47°N			Oceanography	J. Gagnon NAFO SCR Doc 80/1X/157 Ser #N233
Suloy, 2B	6-7 June 1979	23			Oceanography	B.P. Kudlo & V.A. Borovkov NAFO SCR Doc 80/VI/54 Ser #N091
Suloy, 2C	17-18 June, 1979	10			Oceanography	MEDS records
Dawson, 16	8 July-19 July 1979	X			Oceanography	NAFC files
Arctica, 1	28-30 July 1979	47°N, triangle		20	Chlorophyll, primary production, nutrients, plankton	
Evergreen	12-18 Aug 1979	X		No	Hydrography	NAFC files
Suloy, 3	1-4 Sept	12		No	Oceanography, ice	MEDS records
Gemma, 18A	October, 1979(?)				Oceanography	B.P. Kudlo et al. NAFO SCR Doc 83/VI/41 Ser #N697
Suloy, 3B	1-2 Nov, 1979	X			Temp., salinities	V.A. Borovkov & B.P. Kudlo NAFO SCR Doc 81/VI/79 Ser #N564
Gemma, 18B	December 1979(?)	X				

Flemish Cap Experiment - Cruise Listings

Ship, Trip	Dates	T-S Profiles	T-Profiles	Plankton	Comments	Reference
<u>1980</u>						
Gedus, 30 Hudson, 80002	5-19 Jan 1980 January	47°N, triangle X	X	No No	Trawl survey CTD, moorings	NAFC files C.K. Ross NAFO SCR Doc 80/IX/128 Ser #N200
Profston, 20	19 Mar-1 Apr 1980	X	X		Hydrographic data	B.P. Kudlo et al. NAFO SCR Doc 83/VI/41 Ser #N697
Gedus, 35 Kononov, 14	6-13 Apr 23 Apr-4 May	X X	X	41	Oceanography, plankton Oceanographic data	NAFC files B.P. Kudlo NAFO SCR Doc 83/VI/41 Ser #N697
Profston, 20	2-12 May 1980	X	X	34	Hydrographic data	V.A. Borovkov, NAFO SCR Doc 81/VI/79 Ser #N364
Yukon (USA) Kononov, 1B	11-15 May 1980	X	X	No	Oceanographic data	IGOSS files (MEDS)
Profston, 20	9-16 May	X	X		Oceanography, plankton	IGOSS files (MEDS)
Gedus, 37A	16-18 May 1980	X	X	49	Hydrographic data	V.A. Borovkov 81/VI/79, N364
Profston, 20	20-29 May	X	X		Oceanography, plankton	NAFC files
Kononov, 1C	25 May 1980	X	X		Hydrographic data	V.A. Borovkov 81/VI/79, N364
Kononov, 1D	25-29 May	X	X		Oceanography	IGOSS files (MEDS)
Profston, 20	13-15 June	X	X	59	Oceanography, plankton	IGOSS files (MEDS)
Zagreb, 4	1-11 June	X	X		Oceanography, plankton	V.V. Burmak in NAFO SCR Doc 81/VI/19 Ser #N295
Marshall Field	22-28 July	X	X	56	Oceanography, plankton	NAFC files
Kononov, 1E	3-6 Aug	X	X	No	Oceanography, plankton	IGOSS files (MEDS)
Profston, 21	24 July-1 Aug	X	X		Oceanography, plankton	IGOSS files (MEDS)
Profston, 21	4-9 Aug	X	X	X	Oceanography, plankton	IGOSS files (MEDS)
Profston, 21	3-15 Aug	X	X		Oceanographic data	B.P. Kudlo NAFO SCR Doc 83/VI/41 Ser #N697
Profston, 21	21-23 Aug 1980	X	X		Hydrographic data	V.A. Borovkov 81/VI/79, N364
Profston, 21	29 Aug-1 Sept 1980	X	X		Hydrographic data	V.V. Borovkov 81/VI/79, N364
Normac Braco	17-23 Sept	X	X	No	Hydrographic data	IGOSS files (MEDS)
Profston, 21	18-22 Oct 1980	X	X		Hydrographic data	V.V. Borovkov 81/VI/79, N364
Profston, 21	2-3 November 1980	X	X		Hydrographic data	V.V. Borovkov NAFO 81/VI/79 Ser #N365
Porv	5-11 Nov	X	X	No	Oceanography, plankton	IGOSS files (MEDS)

Flemish Cap Experiment - Cruise Listings

Ship, Trip	Dates	T-S Profiles	T-Profiles	Plankton	Comments	Reference
1981						
Gadus, 45	5-26 Jan 1981	47°N	142	No	Trawl survey	NAFC files
Gemma, 23A	22 Mar-5 Apr 1981	X			Oceanography	B.P., Kudlo NAFO SCR Doc 83/VI/41 Ser #N697
Gemma, 23B	6-16 Apr 11 1981	X			Oceanography	B.P., Kudlo NAFO SCR Doc 83/VI/41 Ser #N697
Gemma, 23C	23-30 Apr 11, 1981				Oceanography	B.P., Kudlo NAFO SCR Doc 83/VI/41 Ser #N697
Gemma, 23D	21-30 May 1981	X			Oceanography	B.P., Kudlo NAFO SCR Doc 83/VI/41 Ser #N697
Gadus, 50	2-8 May 1981	X		41	Plankton, oceanography	R.W., Penny NAFO SCR Doc 82/VI/39 Ser #N528
Gadus, 51	22-27 May 1981	X		42	Plankton, oceanography	R.W., Penny NAFO SCR Doc 82/VI/39 Ser #N528
Persey-3, 24	29 May-14 June 1981	X			Salinity, temperature	V.A. Borovkov & B.P., Kudle NAFO SCR Doc 82/VI/17 Ser #N505
Kononov	1-8 June 1981	X			Trawl survey	A.I., Postolaky NAFO SCR Doc 82/VI/63 Ser #N556
Nfld. Hawk 1	26 June-5 July 1981	X		42	Ichthyoplankton, statistics	R.W., Penny NAFO SCR Doc 82/VI/39 Ser #N528
Pandora II	26 June-7 July 1981	X		X	Ichthyoplankton, statistics	R.W., Penny NAFO SCR Doc 82/VI/39 Ser #N528
Gemma, 24	30 Jun-1 Jul 1981				Oceanography	B.P., Kudlo NAFO SCR Doc 83/VI/41 Ser #N697
Nfld. Hawk 2	1-4 Aug 1981	X		20	Hydrographics, plankton	R.W., Penny NAFO SCR Doc 82/VI/39 Ser #N528
Protston, 24	27 Oct-5 Nov 1981	X			Oceanography	B.P., Kudlo NAFO SCR Doc 83/VI/41 Ser #N697
Persey-3, 26	2-8 Dec 1981	X			Oceanography	B.P., Kudlo NAFO SCR Doc 83/VI/41 Ser #N697

Flemish Cap Experiment - Cruise Listings

Ship, Trip	Dates	T-S Profiles	T-Profiles	Plankton	Comments	Reference
<u>1982</u>						
Gadus, 45 Hudson	28 Jan-9 Feb 1982	47°N	X	No	Trawl survey	NAFC files J. Gagnon NAFO SCR Doc. 83/VI/24 Ser #N675
	11 Apr-2 May 1982	X		No	Oceanographic data, temp	B.P. Kudlo et al. NAFO SCR Doc. 83/VI/41 Ser #N697
Suloy, 25	17-30 Apr 1982	X			Temp, salinities	P. C. Beck, et al. NAFO SCR Doc. 83/VI/21 Ser #N670
Gadus, 61	25 May-13 Jun 1982	X	X	No	Squid sampling, temp., to southeast of Flemish Cap	J. Gagnon NAFO 83/VI/24, N675
Albatross or Langst Suloy	26 May-28 July 1982	X			Oceanography	
	May-June 1982		X		Trawl survey	P. I. Savvatinsky NAFO SCR Doc. 83/VI/45 Ser #N702
A.T. Cameron, 331	30 July-3 Aug. 1982	27		21	Oceanography, plankton	NAFC files
<u>Flemish Cap Experiment - Cruise Listings</u>						

Ship, Trip	Dates	T-S Profiles	T-Profiles	Plankton	Comments	Reference
<u>1983</u>						
Gadus, 74	5-20 Feb 1983	18	X	No	Groundfish, food of cod	G.R. Lilly NAFO SCR Doc. 83/VI/65 Ser #N726
Gadus, 75 Suloy	1-3 March 1983 May 1983	66		66	Oceanography, plankton Groundfish	NAFC files A.I. Postolaky NAFO SCR Doc. 83/IX/90 Ser #N756
Gadus, 82	7 August 1983	4		No	CTD, nutrients	NAFC files
<u>Flemish Cap Experiment - Cruise Listings</u>						
Ship, Trip	Dates	T-S Profiles	T-Profiles	Plankton	Comments	Reference
<u>1984</u>						
Gadus, 90	2-18 Feb 1984	10	179	No	Trawl survey	NAFC files

