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**GSC OPEN FILE REPORT # 2032**

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**AN INDEX TO SAMPLES AND GEO-  
PHYSICAL RECORDS COLLECTED BY THE  
ATLANTIC GEOSCIENCE CENTRE FOR 1988**

**GSC Project 303067**

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## Abstract

Since the 1960's the Atlantic Geoscience Centre (AGC), at the Bedford Institute of Oceanography (BIO) has been responsible for providing and assisting with the procurement and curation of dredge, grab, core and other marine geological samples together with the archival, operational and historical recordings that are routinely collected onboard government oceanographic/hydrographic survey vessels off the East Coast of Canada, the high Arctic and from Geological Survey of Canada (GSC) field parties conducted by AGC each year.

These collections of the GSC constitute a fundamental resource for future geoscientific research in Canada and are permanently curated and maintained by the Data Section of the Program Support Subdivision (PSS), AGC.

During 1988, 28 offshore sampling and 3 onshore field programs collected samples from more than 1177 stations with an estimated recovery of more than 1500 meters (500 m excluding boreholes) of marine sediments and drillcores, together with 27335 line kilometers of multichannel seismic, deep penetration seismic and high resolution seismic reflection, sonobuoy refraction, gravity, magnetic, sidescan sonar and bathymetry records. To access and determine the location of these holdings a Sample Management System on the BIO CDC Cyber 840 mainframe using System 2000 DBMS, provides direct access to storage location, procurement sampling history and processing of obtained samples. Plots of the geographic location of these samples obtained during the 1988 field season are included at varying scales. Record information is managed on micro computer based software for handling day-to-day enquiries, inventory file/record control and preparation for conversion to 35 mm microfilm for GSC Open File release. The multiparameter (cruise navigation) data base also in System 2000 DBMS, includes all navigation fixes for this field season's cruises conducting gravity, magnetics, deep seismic reflection, shallow resolution seismic reflection or sidescan sonar reflection studies. These data bases are presently being prepared for conversion to relational data bases using ORACLE.

## INTRODUCTION

Since the Centre's inception more than 350 survey programs have been conducted off Eastern Canada and in the high Arctic, representing an area of more than 1.6 million square kilometers. This report provides an index to those records and samples collected onboard oceanographic vessels, from onshore field parties, as well as joint sampling programs conducted by or for AGC staff during the 1988 field season. This is the fifth index since 1984 summarizing the field acquisitions to be used by the scientific community, educational institutions, associations and industry.

1988 Cruise station information has also been submitted to the National Geophysical Data Centre (NGDC), in Boulder, Colorado, USA, for inclusion with the Worldwide Marine Geological Data Base. This is an interactive inventory information data base on marine sediment and hard rock samples collected from the ocean floor worldwide.

### Data Services

The information gathered together for this index has been primarily derived from cruise field sheets and digital information managed on microcomputer based software (mainly dBase III plus), that is submitted to the Data Section Curation group upon termination of AGC field programs or cruises. This data is checked and verified upon receipt of individual samples and corresponding acoustic records/tapes for proper curation and archiving once onshore at BIO and includes: location of sample, collector and vessel, geographic area, longitude and latitude, GSC Project number, water depth (m), total length (cm) and Julian day/time of collection. Record information also includes Julian day together with start and end time of collection, line number, tape number and recorder type. The purpose of each individual field program has also been included for reference in Appendix I. Sample data has been compiled on a Sample Management System, SID (Sample Information/Site Specific) data base on the BIO Cyber 840 mainframe using System 2000. Sample data includes visual descriptions, subsample and analyses history and corresponding publications of results. DBase III

plus software for use in the field since 1986 has permitted direct reporting while in the field of sample procurement, sampling history/processing and storage. A similar system, Shipboard dBase Inventory, is utilized in the downloading of the record/tape/log/navigation data for all analog tapes, catalogues/indices and records obtained during field reconnaissance programs. Appendix II outlines the data recorded for each sample entry in the Sample Information Data base (SID). Sample entries for 1988 have been ordered by cruise number, while field programs are in alphanumeric order. More than 37 GSC projects were either directly or indirectly affected by the field programs conducted during this past field season.

A moratorium for a minimum of two years for data access is recognized by AGC Curation from the date of field or cruise termination for those programs acquiring samples and/or records collected by the private sector, but curated at the Atlantic Geoscience Centre. This also applies to direct access to collected AGC data. After two years, most record/samples can be accessed without the permission of the original collector.

The record/log/navigation dBase format is similar to other AGC Curation databases. It contains listings and locations for all analog tapes, catalogues/indices and records. All collected seismic/analog records have been or are being prepared for conversion to 35 mm microfilm for GSC Open File timed release. Most catalogues, indices and cruise reports have been prepared for microfiching. Appendix III outlines the data that has been recorded for all acquired 1988 record holdings. The data is ordered by cruise number, Senior Scientist, geographic area, year, data type and contains tape number, day/time, type, fix number, line number, inventory box number as well as a description field.

All curation data is routinely updated from the time of initial data entry. In general, all processing and subsampling of curated sediment holdings must be approved prior to accessing the sample material. Record data is similarly updated for inventory control. These systems have provided the

necessary means for promoting easy access and enhancement of the data acquired at the Centre on a routine basis.

### Sample Data Requests

Requests for AGC sample and record availability should be directed to the Director, Atlantic Geoscience Centre, Bedford Institute of Oceanography, P.O. Box 1006, Dartmouth, Nova Scotia, Canada, B2Y 4A2. Plots of the samples and record locations within specified boundaries can also be directed to the Data Management Section (PSS), Atlantic Geoscience Centre, at the above address or phone (902) 426-3410.

**APPENDIX I**

Cruise Number	Vessel	Chief Scientist	Dates	Cruise Purpose
88007	CSS Dawson	G. Drapeau Rimouski	April 25, 1988 - April 30, 1988	To conduct nearshore geophysical surveys on the Magdalen Islands platform and to recover a current profiler mooring located between the Magdalen Islands and the Gaspé Peninsula.
88008	CSS Dawson	J.P.M. Syvitski EMG,AGC	May 1, 1988 - May 17, 1988	To increase seismic coverage in the Gulf of St. Lawrence to ascertain the geometry of Pleistocene and Holocene deposits; also to vibracore nearshore sandy areas for heavy mineral studies.
88010	CSS Dawson	D.J.W. Piper EMG, AGC	June 8, 1988 - June 21, 1988	Geophysical studies to determine glaciation chronology on Scotian Shelf; sediment instability on Scotian Slope; geotechnic and acoustic properties of glacial sediments in Emerald Basin; collect seismic core data to aid in the interpretation of Pleistocene sedimentation and to dredge samples of Tertiary strata from the Gully.
88018 (A) Phase 1	MV Navicula	G. Fader/ R. Miller EMG, AGC	May 26, 1988 - May 30, 1988	To map the surficial and shallow bedrock geology of Halifax Harbour and approaches
			May 30, 1988 - June 3, 1988	Sambro area in conjunction with Teleglobe Canada, Nova Scotia.
88018 (B) Phase 2		R. Miller EMG, AGC	June 5, 1988 - June 10, 1988	Yarmouth South - Pubnico, Nova Scotia.
88018 (B) Phase 3		R. Miller EMG, AGC	June 11, 1988 - June 17, 1988	Yarmouth North, Nova Scotia
88018 (C) Phase 4		G. Fader EMG, AGC	June 19, 1988 - June 23, 1988	Passamaquoddy Bay, New Brunswick
88018 (C) Phase 5		G. Fader EMG, AGC	June 24, 1988 - June 27, 1988	Point Lepreau, New Brunswick
88018 (D) Phase 6/7		G. Fader EMG, AGC	July 8, 1988 - July 16, 1988	Northumberland Strait - a portion of this study centered in the vicinity of the fixed link (FLINK)
88018 (D) Phase 6/7		G. Fader EMG, AGC	July 17, 1988 - July 23, 1988	Western Northumberland (Phase 7) Strait to determine the thickness of surficial formations and delineate bedrock surface. To assess the construction aggregate potential.

**APPENDIX I (Continued)**

Cruise Number	Vessel	Chief Scientist	Dates	Cruise Purpose
88018 (E) Phase 8		D.L. Forbes, EMG, AGC	Aug. 4, 1988 - Aug. 10, 1988	To map seafloor materials and establish seismic stratigraphy. Port-au-Port Bay, Newfoundland.
88018 (E) Phase 9	MV Navicula	J. Shaw, EMG, AGC	Aug. 16, 1988 - Aug. 18, 1988	St. George's Bay, Newfoundland
88018 (E) Phase 11		D. Forbes, EMG, AGC	Aug. 20, 1988 - Aug. 23, 1988	Newfoundland South Coast, La Poile Bay to Burgeo
88018 (F) Phase 12		D. Frobels, EMG, AGC	Sept. 6, 1988 - Sept. 26, 1988	Eastern and northern P.E.I., Souris area groundtruthing acoustic data and to collect magnetometer data to complement ongoing geological studies and assess aggregate potential.
88018 (G) Phase 13		R.B. Taylor, EMG, AGC	Oct. 1, 1988 - Oct. 8, 1988	Southern Cape Breton, N.S. (St. Peters')
88018 (H) Phase 14		D.L. Forbes, EMG, AGC	Oct. 9, 1988 - Oct. 17, 1988	Sheet Harbour, Nova Scotia and adjacent inner Scotian Shelf
88020	CSS Hudson	B.D. Loncarevic, RR, AGC	June 13, 1988 - June 28, 1988	To collect geophysical observations from a proposed impact structure at the Montagnais well site, 42°45' N, 64°15' W, south of LaHave Bank at the edge of the Nova Scotia Continental Shelf.
88022	CSS Hudson	I. Reid, RR, AGC	June 30, 1988 - July 19, 1988	A major seismic refraction project in the Gulf of St. Lawrence (North of P.E.I. between P.E.I. and Anticosti and from Humber Arm to the south Coast of Labrador) to elucidate the deep structure beneath the northern Appalachian Terranes and the origin of the Gulf's Paleozoic Basins.
88024	CSS Hudson	K. Loudon, Dalhousie; R. Hesse, McGill	July 21, 1988 - Aug. 11, 1988	A refraction survey along and across the west Greenland Margin to study the transition in crustal structure from ocean to continent, and heat flow at the margin base to constrain present geothermal flux and compare to earlier measurements.
88030	CSS Dawson	J. Locat, Laval; C.T. Schafer, J.P.M. Syvitski, EMG, AGC	Aug. 12, 1988 - Aug. 19, 1988	Lake Melville deltaic sediments - investigate sediment transport mechanisms for ADFEX (Arctic Delta Failure Experiment).

**APPENDIX I (Continued)**

Cruise Number	Vessel	Chief Scientist	Dates	Cruise Purpose
88032	CSS Dawson	A. Aksu, MUN	Aug. 21, 1988 - Aug. 31, 1988	Extensive shallow seismic/piston coring survey and biological sampling program along Esquiman Channel, Port-au-Port Banks, St. Georges Bay, west coast of Nfld.
88038	CSS Dawson	C. Pereira, MUN; K. Moran, H. Christian, EMG, AGC	Oct. 20, 1988 - Oct. 29, 1988 Oct. 29, 1988 - Oct. 31, 1988	Quaternary marine geology (sedimentology, biostratigraphy, isotope geochemistry, geophysical, geotechnical) of the offshore continental shelf and slope and development of the Labrador Current around Flemish Cap and compare to earlier studies north and south of this site. To test LAST I (Lateral Stress Tool).
88039	CSS Baffin	G. Henderson, CHS, BIO; J. Woodside, RR, AGC	Oct. 26, 1988 - Nov. 30, 1988	To conduct standard charting (CHS) and collect gravity and magnetic data in LaHave Basin and elsewhere on Scotian Shelf.
88101	Onshore	J. Smith, AOL, BIO	Feb. 12, 1988 - Feb. 14, 1988	Vibrocore Lakes Beaverskin and Mountain Lake, Kejimikujik National Park, N.S. for acid rain studies.
88108	CSS Alfred Needler	R. Parrott, EMG, AGC	Sept. 12, 1988 - Sept. 29, 1988	To obtain regional multichannel seismic coverage of Scotian Shelf and Grand Banks to study Tertiary/Quaternary seismostratigraphy; collect multi-channel seismic data at borehole sites and run mapping lines over areas of iceberg scour to study degradation rates.
88200	Ice Island Platform	P. Mudie, EMG, AGC	June 21, 1988 - July 6, 1988	Fourth summer field season of the Ice Island geological sampling program located 400 km northwest of Meighen and Ellef Ringnes Islands, at the northern end of Prince Gustaf Adolf Sea. Studies included seismic profiling, core sampling, current meter measurements, sampling of water, ice and sediments for organochloride pesticides, phytoplankton and benthic productivity.
88300	Sigma-T	D. Forbes, EMG, AGC		Eastern shore, N.S. inner shelf sampling reconnaissance program



**APPENDIX I (Continued)**

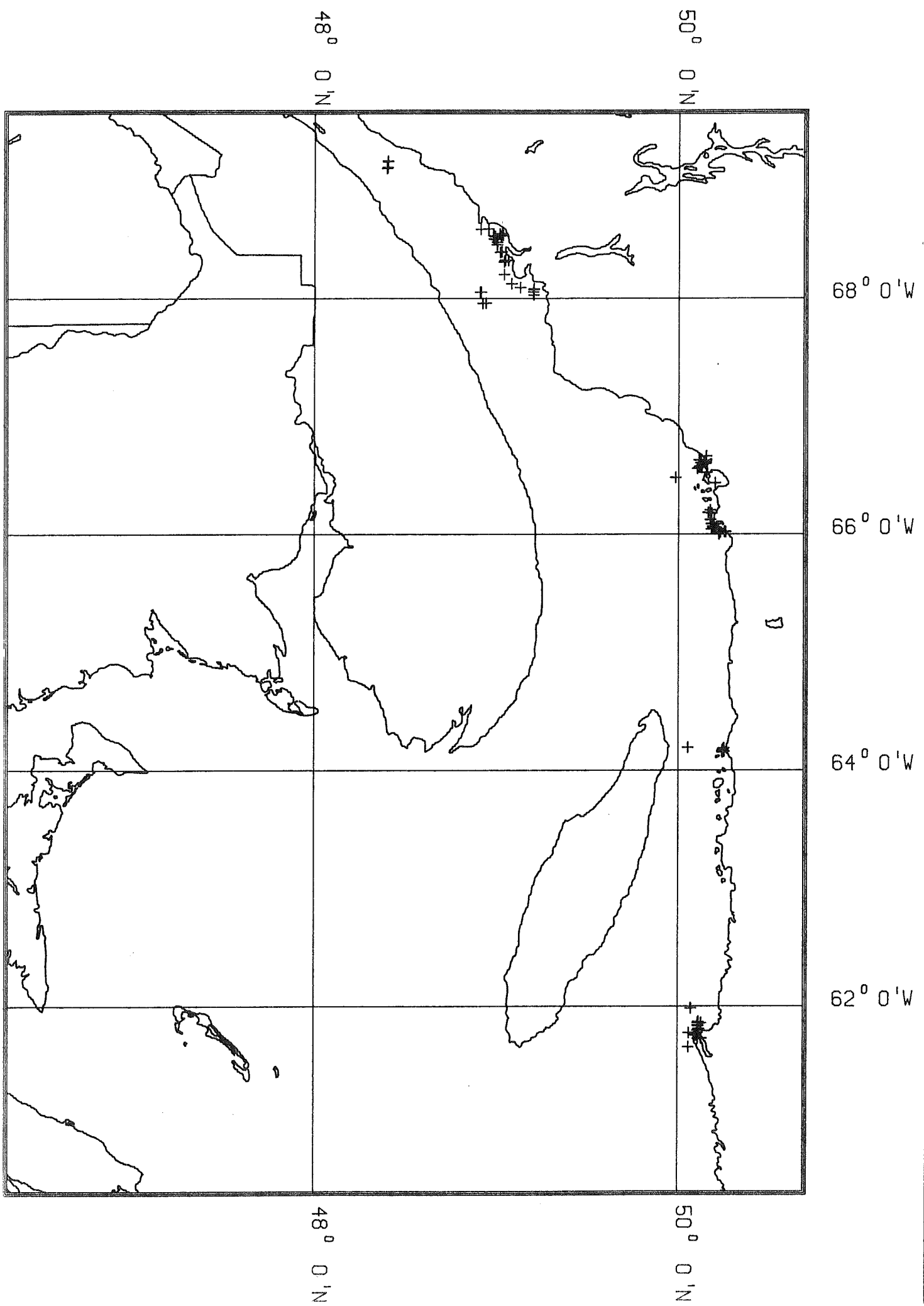
Cruise Number	Vessel	Chief Scientist	Dates	Cruise Purpose
88301	Onshore	D. Forbes, EMG, AGC	throughout 1988	Vibrocore back barrier lagoons, estuaries and Marshes, Eastern Shore, N.S.
88302	Onshore	J. Shaw, EMG, AGC	May 22, 1988 - May 31, 1988	Coastal Surveys and sampling, Dotting Cove, Newfoundland
88303	Onshore	D. Forbes, J. Shaw, EMG, AGC	Aug. 6, 1988 - Aug. 8, 1988	Coastal Surveys and sampling, Klippens, Southwest Newfoundland.
88400	Balder Challenger	K. Moran, EMG, AGC	July - August, 1988	Joint borehole program with Petro-Canada; collected lithologic and physical property data on 5 PetroCanada and 2 independent boreholes; one AGC borehole penetrated iceberg pit, Grand Banks.
88401	MV Pholas	D. McAlpine, EMG, AGC; K. Jarrett**, AGC	Sept. 20, 1988 - Oct. 8, 1988	Mobil borehole program (opportunity basis).
88DREP		P. Mudie, EMG, AGC		Lincoln Sea, N.W.T. coring program (opportunity basis).
88 Molikpaq		S. Blasco, EMG, AGC	Aug. 12, 1988 - Aug. 27, 1988	Beaufort Sea - advising industry on geohazards for offshore development.
88 Nahidik	CCGS Nahidik	S. Blasco EMG, AGC	Sept. 4, 1988 - Sept. 16, 1988	To obtain high quality resolution seismic profiles of coastal zones of Mackenzie Bay.
88 Narwhal		H. Josenhans, EMG, AGC	July 18, 1988	Co-operative high resolution seismic survey in eastern Hudson Bay on DOT vessel with CHS conducting routine bathymetric charting; AGC mapped bedrock and overlying Quaternary sediments.
88 Quebec				Saguenay sampling program.
88 Scots	Onshore	J. Shaw, EMG, AGC	Aug. 3, 1988	Scots Bay, Nova Scotia
88 Sydney	Onshore	John Vandermuelen		Sydney Harbour, N.S. vibrocore program.
88 TUK		A. Hequette, EMG, AGC		To obtain high resolution seismic profiles off Tuk Peninsula, N.W.T.

\*\* McElhanney Services Ltd., Dartmouth, Nova Scotia

**APPENDIX II - SAMPLES**

Cruises	Geographic Area
88008	Gulf of St. Lawrence Estuary
88010	Scotian Slope
88018A Phase 1	Bedford Basin, Halifax Harbour, Sambro and Pennant Point, Nova Scotia
88018B Phase 2	Port of Lower West Pubnico, Cape Sable Island and Seal Island, Nova Scotia
88018B Phase 3	Yarmouth North to Cape St. Mary, Nova Scotia
88018C Phase 4	Passamaquoddy Bay to St. Croix River, New Brunswick
88018D Phase 6/7	Northumberland Strait, New Brunswick
88018E Phase 8	Port-au-Port, Newfoundland
88018E Phase 9	St. George's Bay, Newfoundland
88018E Phase 11	South Coast, La Poile Bay to Burgeo, Newfoundland
88018F Phase 12	Souris area, Northern and Eastern Prince Edward Island
88018G Phase 13	Southern Cape Breton Island, Nova Scotia
88018H Phase 14	Sheet Harbour adjacent inner Scotian Shelf, Nova Scotia
88024	Labrador Sea and West Greenland Margin
88030	Lake Melville, Labrador
88038	Flemish Cap, Northeast Newfoundland Shelf
88101	Kejimikujik National Park, Nova Scotia
88108	Scotian Shelf and Grand Banks
88200	Ice Island, Prince Gustaf Adolf Sea, N.W.T.
88301	Eastern Shore, Nova Scotia
88302	Dotting Cove, Newfoundland
88303	Klippens, SW Newfoundland
88400	Grand Banks, Newfoundland
88401	Grand Banks, Newfoundland
88 DREP	Lincoln Sea, N.W.T.
88 Narwhal	Eastern Hudson Bay
88 Quebec	Saguenay Fiord, Quebec
88 Scots	Scots Bay, Nova Scotia
88 Sydney	Sydney Harbour, Nova Scotia
88 TUK	Tuktoyaktuk Peninsula, N.W.T.

STATION LOCATIONS - 88008  
1:3,000,000 (MERCATOR, 48N)



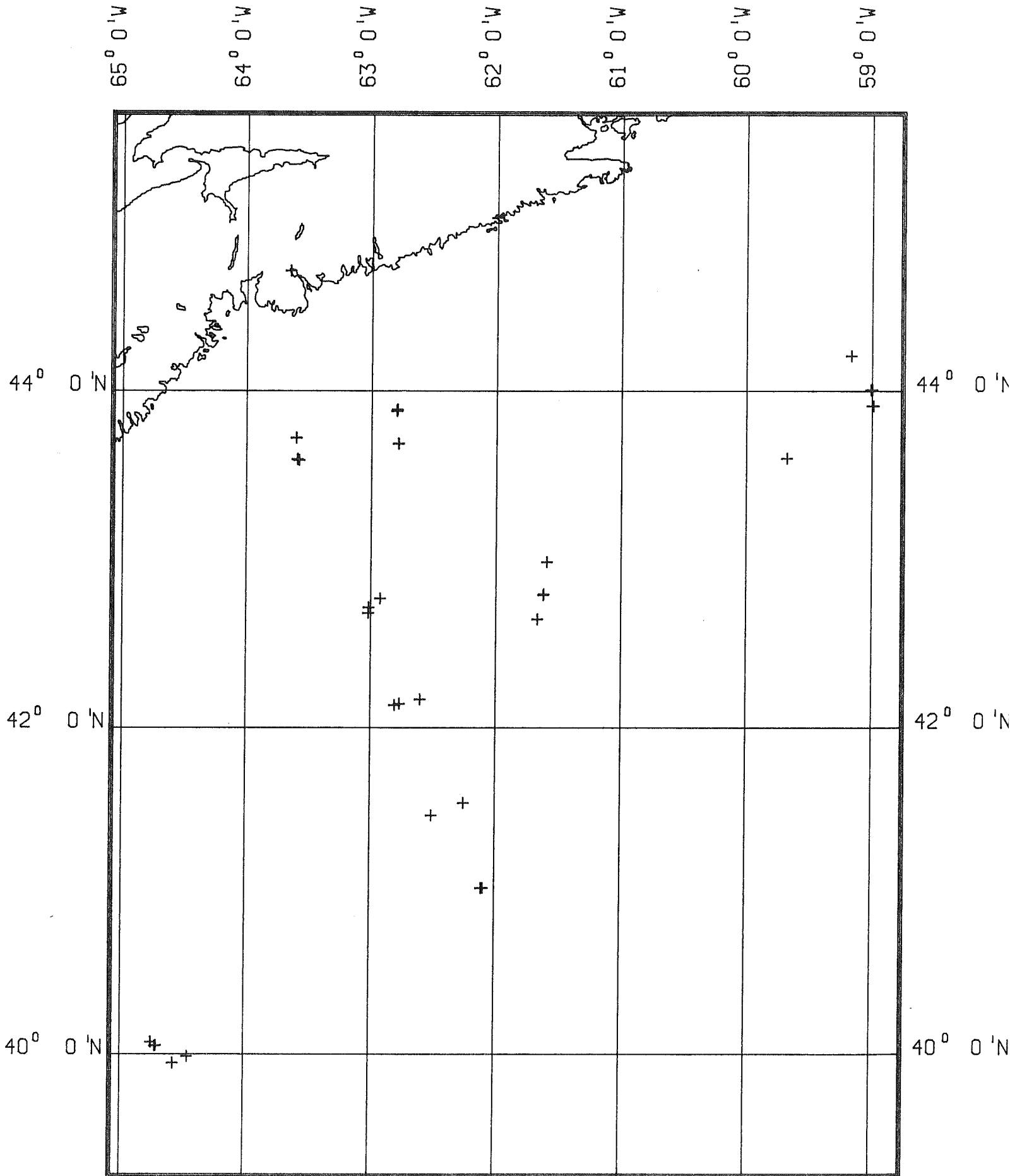
STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	48,40117	-69,10333	ST.LAWRENCE RIVER	275.00	123	130	WATER	SEDIMENT TRAP	
002	48,40417	-69,11167	ST.LAWRENCE RIVER	275.00	123	216	CAMERA	FLOC	
003	48,40500	-69,11250	ST.LAWRENCE RIVER	275.00	123	230	WATER	NISKEN	
004	48,40717	-69,16017	ST.LAWRENCE RIVER	295.00	123	1615	CAMERA	FLOC	
005	48,40633	-69,16633	ST.LAWRENCE RIVER	295.00	123	1629	WATER	NISKEN	
006	48,94833	-67,96167	ST.LAWRENCE RIVER	288.00	124	724	WATER	SEDIMENT TRAP	
007	48,93000	-67,95833	ST.LAWRENCE RIVER	291.00	124	745	CAMERA	FLOC	
008	48,93000	-67,95833	ST.LAWRENCE RIVER	291.00	124	745	WATER	NISKEN	
009	48,91833	-68,58667	ST.LAWRENCE, NORTH SHORE	84.60	124	1137	CORE	VIBRACORE	528.0
010	48,96083	-68,58917	ST.LAWRENCE, NORTH SHORE	36.00	124	1236	CORE	VIBRACORE	484.0
011	48,98667	-68,53333	ST.LAWRENCE, NORTH SHORE	60.00	124	1339	CORE	VIBRACORE	294.0
012	48,99167	-68,50417	ST.LAWRENCE, NORTH SHORE	87.00	124	1447	CORE	VIBRACORE	215.0
013	49,04633	-68,30933	ST.LAWRENCE, NORTH SHORE	44.00	124	1622	CORE	VIBRACORE	456.0
014	49,04650	-68,20267	ST.LAWRENCE, NORTH SHORE	50.00	124	1745	CORE	VIBRACORE	92.0
015	48,91500	-68,05333	ST.LAWRENCE RIVER	318.00	124	2029	CAMERA	FLOC	
016	48,92167	-68,05333	ST.LAWRENCE RIVER	318.00	124	2029	WATER	NISKEN	
017	49,20750	-68,02917	ST.LAWRENCE, BAIE COMEAU	100.00	125	1442	CORE	VIBRACORE	254.0
018	49,20600	-68,05467	ST.LAWRENCE, BAIE COMEAU	86.40	125	1545	CORE	VIBRACORE	137.0
019	49,20767	-68,07517	ST.LAWRENCE, BAIE COMEAU	72.00	125	1638	CORE	VIBRACORE	112.0
020	49,20867	-68,08183	ST.LAWRENCE, BAIE COMEAU	61.00	125	1743	CORE	VIBRACORE	147.0
021	49,13383	-68,09283	ST.LAWRENCE RIVER	50.00	125	1844	CORE	VIBRACORE	300.0
022	49,08667	-68,12500	ST.LAWRENCE RIVER	54.00	125	1959	CORE	VIBRACORE	192.0
023	49,02167	-68,54667	ST.LAWRENCE RIVER	4.00	125	1100	GRAB	VANVEEN	
024	49,04000	-68,53667	ST.LAWRENCE RIVER	0.50	125	1120	GRAB	VANVEEN	
025	49,03533	-68,55033	ST.LAWRENCE RIVER	2.00	125	1140	GRAB	VANVEEN	
026	49,03033	-68,53167	ST.LAWRENCE RIVER	2.00	125	1200	GRAB	VANVEEN	
027	49,00250	-68,50150	ST.LAWRENCE RIVER	12.00	125	1220	GRAB	VANVEEN	
028	48,99667	-68,52583	ST.LAWRENCE RIVER	17.00	125	1240	GRAB	VANVEEN	
029	48,99000	-68,53333	ST.LAWRENCE RIVER	25.00	125	1300	GRAB	VANVEEN	
030	49,00750	-68,45583	ST.LAWRENCE RIVER	20.00	125	1330	GRAB	VANVEEN	
031	49,00917	-68,47667	ST.LAWRENCE RIVER	1.00	125	1400	GRAB	VANVEEN	

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(M)
032	49.02500	-68.39167	ST.LAWRENCE RIVER	4.00	125	1430	GRAB	VANVEEN	
033	49.03333	-68.39583	ST.LAWRENCE RIVER	1.00	125	1500	GRAB	VANVEEN	
034	49.04833	-68.31950	ST.LAWRENCE RIVER	17.00	125	1530	GRAB	VANVEEN	
035	49.05250	-68.32583	ST.LAWRENCE RIVER	15.00	125	1600	GRAB	VANVEEN	
036	49.07000	-68.32167	ST.LAWRENCE RIVER	1.00	125	1620	GRAB	VANVEEN	
037	50.10917	-66.63000	ST.LAWRENCE, SEPT. ISLE	55.00	128	1229	CORE	VIBRACORE	469.0
038	50.11550	-66.62500	ST.LAWRENCE, SEPT. ISLE	40.00	128	1321	CORE	VIBRACORE	479.0
039	50.12433	-66.58283	ST.LAWRENCE, SEPT. ISLE	19.00	128	1406	CORE	VIBRACORE	
040	50.12083	-66.57367	ST.LAWRENCE, SEPT. ISLE	35.00	128	1621	CORE	VIBRACORE	276.0
041	50.11583	-66.56667	ST.LAWRENCE, SEPT. ISLE	49.00	128	1702	CORE	VIBRACORE	472.0
042	50.10000	-66.55583	ST.LAWRENCE, SEPT. ISLE	81.00	128	1754	CORE	VIBRACORE	488.0
043	50.14867	-66.52167	ST.LAWRENCE, SEPT. ISLE	1.50	128	1450	GRAB	VANVEEN	
044	50.14933	-66.52333	ST.LAWRENCE, SEPT. ISLE	1.00	128	1455	GRAB	VANVEEN	
045	50.11033	-66.56667	ST.LAWRENCE, SEPT. ISLE	7.50	128	1531	GRAB	VANVEEN	
046	50.11333	-66.57283	ST.LAWRENCE, SEPT. ISLE	4.50	128	1536	GRAB	VANVEEN	
047	50.11583	-66.57333	ST.LAWRENCE, SEPT. ISLE	3.00	128	1543	GRAB	VANVEEN	
048	50.11833	-66.57500	ST.LAWRENCE, SEPT. ISLE	1.50	128	1548	GRAB	VANVEEN	
049	50.11950	-66.60533	ST.LAWRENCE, SEPT. ISLE	0.90	128	1612	GRAB	VANVEEN	
050	50.14583	-66.60450	ST.LAWRENCE, SEPT. ISLE	1.00	128	1635	GRAB	VANVEEN	
051	50.14850	-66.66167	ST.LAWRENCE, SEPT. ISLE	0.60	128	1638	GRAB	VANVEEN	
052	50.14350	-66.60083	ST.LAWRENCE, SEPT. ISLE	0.01	128	1645	GRAB	VANVEEN	
053	50.14350	-66.60083	ST.LAWRENCE, SEPT. ISLE	0.01	128	1645	GRAB	VANVEEN	
054	50.14367	-66.60033	ST.LAWRENCE, SEPT. ISLE	1.00	128	1745	GRAB	VANVEEN	
055	50.14367	-66.60033	ST.LAWRENCE, SEPT. ISLE	1.00	128	1745	GRAB	VANVEEN	

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
056	50.14583	-66.60500	ST.LAWRENCE, SEPT, ISLE	1.50	128	1650	GRAB	VANVEEN	
057	50.13500	-66.61200	ST.LAWRENCE, SEPT, ISLE	1.00	128	1652	GRAB	VANVEEN	
058	50.21633	-66.00000	ST.LAWRENCE, BAIE DE MOISIE	76.00	129	1212	CORE	VIBRACORE	148.0
059	50.22333	-66.01583	ST.LAWRENCE, BAIE DE MOISIE	20.00	129	1253	CORE	VIBRACORE	0.0
060	50.17667	-66.04333	ST.LAWRENCE, BAIE DE MOISIE	100.00	129	1403	CORE	VIBRACORE	150.0
061	50.18500	-66.05083	ST.LAWRENCE, BAIE DE MOISIE	70.00	129	1452	CORE	VIBRACORE	127.0
062	50.15933	-66.18333	ST.LAWRENCE, BAIE DE LA BOULE	65.00	129	1616	CORE	VIBRACORE	391.0
063	50.17000	-66.20433	ST.LAWRENCE, BAIE DE LA BOULE	40.00	129	1707	CORE	VIBRACORE	345.0
064	50.17717	-66.17883	ST.LAWRENCE, BAIE DE LA BOULE	25.00	129	1736	CORE	VIBRACORE	431.0
065	50.19633	-66.43500	ST.LAWRENCE, SEPT, ISLE	16.00	129	1917	CORE	VIBRACORE	412.0
066	49.98333	-66.48167	ST.LAWRENCE, SEPT, ISLE	190.00	129	2250	CAMERA	FLOC	
067	49.98333	-66.48167	ST.LAWRENCE, SEPT, ISLE	190.00	129	2255	WATER	NISKEN	
068	50.24667	-66.02333	ST.LAWRENCE, MOISIE RIVER	129	129	1300	BEACH	PIT SAMPLE	
069	50.25167	-66.02000	ST.LAWRENCE, MOISIE RIVER	129	129	1500	GRAB	BEACH	
070	50.21333	-66.04500	ST.LAWRENCE, MOISIE RIVER	1.00	129	1509	GRAB	VANVEEN	
071	50.20083	-66.05333	ST.LAWRENCE, MOISIE RIVER	1.50	129	1516	GRAB	VANVEEN	
072	50.19333	-66.05000	ST.LAWRENCE, MOISIE RIVER	2.00	129	1522	GRAB	VANVEEN	
073	50.19150	-66.05833	ST.LAWRENCE, MOISIE RIVER	2.00	129	1529	GRAB	VANVEEN	
074	50.18333	-66.06500	ST.LAWRENCE, MOISIE RIVER	2.50	129	1535	GRAB	VANVEEN	
075	50.17667	-66.08833	ST.LAWRENCE, MOISIE RIVER	2.00	129	1550	GRAB	VANVEEN	
076	50.17000	-66.12333	ST.LAWRENCE, MOISIE RIVER	2.50	129	1608	GRAB	VANVEEN	

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
077	50.24667	-66.02333	ST.LAWRENCE, MOISIE RIVER		129	1300	BEACH	PIT SAMPLE	
078	50.24367	-64.15833	ST.LAWRENCE, MINGAN	33.00	133	1132	CORE	VIBRACORE	104.0
079	50.24083	-64.15667	ST.LAWRENCE, MINGAN	33.00	133	1210	CORE	VIBRACORE	190.0
080	50.24000	-64.15750	ST.LAWRENCE, MINGAN	33.00	133	1241	CORE	VIBRACORE	251.0
081	50.24050	-64.16067	ST.LAWRENCE, MINGAN	33.00	133	1332	CORE	VIBRACORE	147.0
082	50.23717	-64.15333	ST.LAWRENCE, MINGAN	38.00	133	1410	CORE	VIBRACORE	173.0
083	50.23500	-64.16000	ST.LAWRENCE, MINGAN	34.00	133	1442	FAIL	VIBRACORE	0.0
084	50.24017	-64.17833	ST.LAWRENCE, MINGAN	18.00	133	1539	CORE	VIBRACORE	76.0
085	50.24467	-64.18683	ST.LAWRENCE, MINGAN	14.00	133	1611	CORE	VIBRACORE	200.0
086	50.23533	-64.16633	ST.LAWRENCE, MINGAN	27.00	133	1703	CORE	VIBRACORE	67.0
087	50.24600	-64.16000	ST.LAWRENCE, MINGAN	36.00	133	1747	CORE	VIBRACORE	108.0
091	50.10833	-61.83833	ST.LAWRENCE, NATASHQUAN	33.00	135	1124	CORE	VIBRACORE	135.0
092	50.10833	-61.86000	ST.LAWRENCE, NATASHQUAN	49.00	135	1211	CORE	VIBRACORE	407.0
093	50.11167	-61.87000	ST.LAWRENCE, NATASHQUAN	51.00	135	1246	CORE	VIBRACORE	286.0
094	50.12500	-61.86000	ST.LAWRENCE, NATASHQUAN	44.00	135	1556	FAIL	VIBRACORE	0.0
095	50.07000	-61.98233	ST.LAWRENCE, NATASHQUAN	67.00	135	1703	CORE	VIBRACORE	398.0
096	50.05967	-61.77500	ST.LAWRENCE, NATASHQUAN	53.00	135	1823	CORE	VIBRACORE	137.0
097	50.05750	-61.65533	ST.LAWRENCE, NATASHQUAN	25.20	135	1916	CORE	VIBRACORE	585.0
098	50.10667	-61.79667	ST.LAWRENCE, NATASHQUAN		135	1130	BEACH	PIT SAMPLE	
099	50.09833	-61.75333	ST.LAWRENCE, NATASHQUAN		135	1400	GRAB	PIT SAMPLE	
100	50.09167	-61.76167	ST.LAWRENCE, NATASHQUAN		135	1410	GRAB	BEACH	
101	50.10667	-61.77500	ST.LAWRENCE, NATASHQUAN		135	1430	GRAB	BEACH	
102	50.10833	-61.72667	ST.LAWRENCE, NATASHQUAN	0.60	135	1445	GRAB	VAN VEEN	
103	50.12667	-61.72833	ST.LAWRENCE, NATASHQUAN	0.60	135	1450	GRAB	VANVEEN	
104	50.12667	-61.72833	ST.LAWRENCE, NATASHQUAN	1.50	135	1500	GRAB	VAN VEEN	
105	50.11333	-61.81000	ST.LAWRENCE, NATASHQUAN	1.80	135	1510	GRAB	VANVEEN	
106	50.11167	-61.80667	ST.LAWRENCE, NATASHQUAN	1.80	135	1520	GRAB	VANVEEN	
107	50.11000	-61.83500	ST.LAWRENCE, NATASHQUAN	2.00	135	1530	GRAB	VANVEEN	
108	45.45033	-60.42833	CANSO	160.00	136	1834	CAMERA	FLOC	
109	45.45033	-60.42833	CANSO	160.00	136	1850	WATER	NISKIN	
110	48.94833	-67.96167	ST, LAWRENCE RIVER		124	724	SEDIMENT TRAP		
88-88	50.05167	-64.19333	ST.LAWRENCE RIVER	150.00	133	2227	CAMERA	FLOC	
88-89	50.05167	-64.19333	ST.LAWRENCE RIVER	150.00	133	2236	WATER	NISKIN	

STATION LOCATIONS - 88010  
1:3,200,000 (MERCATOR, 42N)





CRUISE 88010 - SENIOR SCIENTIST D.PIPER - VESSEL CSS HUDSON

1

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	44.69667	-63.64833	BEDFORD BASIN	62.00	145	1915	CORE	AGC WIDE CORE	720.0
001	44.69667	-63.64833	BEDFORD BASIN	62.00	145	1915	CORE	TRIGGER WEIGHT	30.0
002	43.69000	-62.78533	EMERALD BASIN	201.00	146	1218	CORE	TRIGGER WEIGHT	16.0
002	43.69000	-62.78533	EMERALD BASIN	201.00	146	1218	CORE	AGC WIDE CORE	655.0
003	43.69017	-62.78433	EMERALD BASIN	201.00	146	1419	CORE	CORE	
004	43.88150	-62.79817	EMERALD BASIN	239.60	146	1614	CORE	BOXCORE	
005	43.88400	-62.79900	EMERALD BASIN	239.60	146	1845	CORE	TRIGGER WEIGHT	151.0
005	43.88400	-62.79900	EMERALD BASIN	239.60	146	1845	CORE	AGC WIDE CORE	1074.0
006	43.72433	-63.59750	LA HAVE BASIN	217.00	147	1148	CORE	AGC WIDE CORE	559.0
006	43.72433	-63.59750	LA HAVE BASIN	217.00	147	1148	CORE	CORE	
007	43.59867	-63.58883	LA HAVE BASIN	203.00	147	1428	CORE	TRIGGER WEIGHT	148.0
007	43.59867	-63.58883	LA HAVE BASIN	203.00	147	1428	CORE	TRIGGER WEIGHT	126.0
007	43.59867	-63.58883	LA HAVE BASIN	203.00	147	1428	CORE	AGC WIDE CORE	645.0
008	43.59933	-63.58817	LA HAVE BASIN	203.00	147	1736	CORE	AGC WIDE CORE	541.0
008	43.59933	-63.58817	LA HAVE BASIN	203.00	147	1736	CORE	CORE	
009	43.59267	-63.57383	LA HAVE BASIN	201.00	147	2027	CORE	TRIGGER WEIGHT	46.0
009	43.59267	-63.57383	LA HAVE BASIN	201.00	147	2027	CORE	AGC WIDE CORE	548.0
009	43.59267	-63.57383	LA HAVE BASIN	201.00	147	2027	CORE	CORE	
010	43.60483	-59.67733	SABLE ISLAND BANK	345.00	148	2058	CORE	TRIGGER WEIGHT	121.0
010	43.60483	-59.67733	SABLE ISLAND BANK	345.00	148	2058	CORE	AGC WIDE CORE	73.0
011	44.01983	-59.01617	THE GULLY	997.10	149	1333	DREDGE	CORE	
012	44.00700	-58.99800	THE GULLY	1116.00	149	1535	DREDGE	ROCK	
013	44.00100	-59.00400	THE GULLY	952.80	149	1718	DREDGE	ROCK	
014	44.00450	-59.00967	THE GULLY	865.00	149	1836	DREDGE	ROCK	
015	43.91150	-58.98733	THE GULLY	1521.70	149	2039	DREDGE	ROCK	
016	43.91150	-58.99917	THE GULLY	1170.00	149	2152	DREDGE	ROCK	
017	42.65133	-61.66683	VERRILL CANYON AREA	1976.00	150	1240	CORE	AGC WIDE CORE	566.0
017	42.65133	-61.66683	VERRILL CANYON AREA	1976.00	150	1240	CORE	TRIGGER WEIGHT	145.0
018	42.79650	-61.61950	VERRILL CANYON	1342.00	150	1630	CORE	AGC WIDE CORE	884.0
018	42.79650	-61.61950	VERRILL CANYON	1342.00	150	1630	CORE	TRIGGER WEIGHT	24.0
019	42.80083	-61.61717	VERRILL CANYON	1323.00	150	1822	CORE	TRIGGER WEIGHT BOXCORE	

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
020	42.99200	-61.59250	VERRILL CANYON	466.00	150	2108	CORE	AGC WIDE CORE	0.0
020	42.99200	-61.59250	VERRILL CANYON	466.00	150	2108	CORE	TRIGGER WEIGHT	20.0
021	42.77467	-62.92483	ALBATROSS AREA	756.00	151	1231	CORE	AGC WIDE CORE	90.0
021	42.77467	-62.92483	ALBATROSS AREA	756.00	151	1231	CORE	TRIGGER WEIGHT	24.0
022	42.72133	-63.01650	ALBATROSS AREA	1168.00	151	1621	CORE	TRIGGER WEIGHT	25.5
022	42.72133	-63.01650	ALBATROSS AREA	1168.00	151	1621	CORE	AGC WIDE CORE	1040.0
023	42.68750	-63.01933	ALBATROSS AREA	1288.00	151	2114	CORE	AGC WIDE CORE	723.0
023	42.68750	-63.01933	ALBATROSS AREA	1288.00	151	2114	CORE	TRIGGER WEIGHT	10.0
024	42.17083	-62.60233	ALBATROSS LOWER SLOPE	2613.00	152	1300	CORE	AGC WIDE CORE	836.0
024	42.17083	-62.60233	ALBATROSS LOWER SLOPE	2613.00	152	1300	CORE	TRIGGER WEIGHT	152.0
025	42.14367	-62.76833	ALBATROSS LOWER SLOPE	2590.00	152	1710	CORE	AGC WIDE CORE	264.0
025	42.14367	-62.76833	ALBATROSS LOWER SLOPE	2590.00	152	1710	CORE	TRIGGER WEIGHT	0.0
026	42.13600	-62.80600	ALBATROSS LOWER SLOPE	2633.00	152	2038	CORE	AGC WIDE CORE	152.0
026	42.13600	-62.80600	ALBATROSS LOWER SLOPE	2633.00	152	2038	CORE	TRIGGER WEIGHT	0.0
027	41.46833	-62.50700	ALBATROSS SLOPE	3829.00	152	1246	CORE	TRIGGER WEIGHT	189.0
027	41.46833	-62.50700	ALBATROSS SLOPE	3829.00	152	1246	CORE	AGC WIDE CORE	663.0
028	41.54417	-62.25067	ALBATROSS RISE	3825.00	152	1821	CORE	AGC WIDE CORE	1132.0
028	41.54417	-62.25067	ALBATROSS RISE	3825.00	152	1821	CORE	TRIGGER WEIGHT	150.0
029	41.02500	-62.10617	ALBATROSS RISE	4451.00	154	2055	CORE	AGC WIDE CORE	937.0
029	41.02500	-62.10617	ALBATROSS RISE	4451.00	154	2055	CORE	TRIGGER WEIGHT	93.0
030	39.94450	-64.56817	RISE OFF GEORGES BANK	4596.00	155	1502	CORE	TRIGGER WEIGHT	204.0
030	39.94450	-64.56817	RISE OFF GEORGES BANK	4596.00	155	1502	CORE	AGC WIDE CORE	263.0
031	39.98600	-64.45333	RISE SOUTH OF GEORGES BANK	4612.00	155	1958	CORE	AGC WIDE CORE	460.0
031	39.98600	-64.45333	RISE SOUTH OF GEORGES BANK	4612.00	155	1958	CORE	TRIGGER WEIGHT	29.0

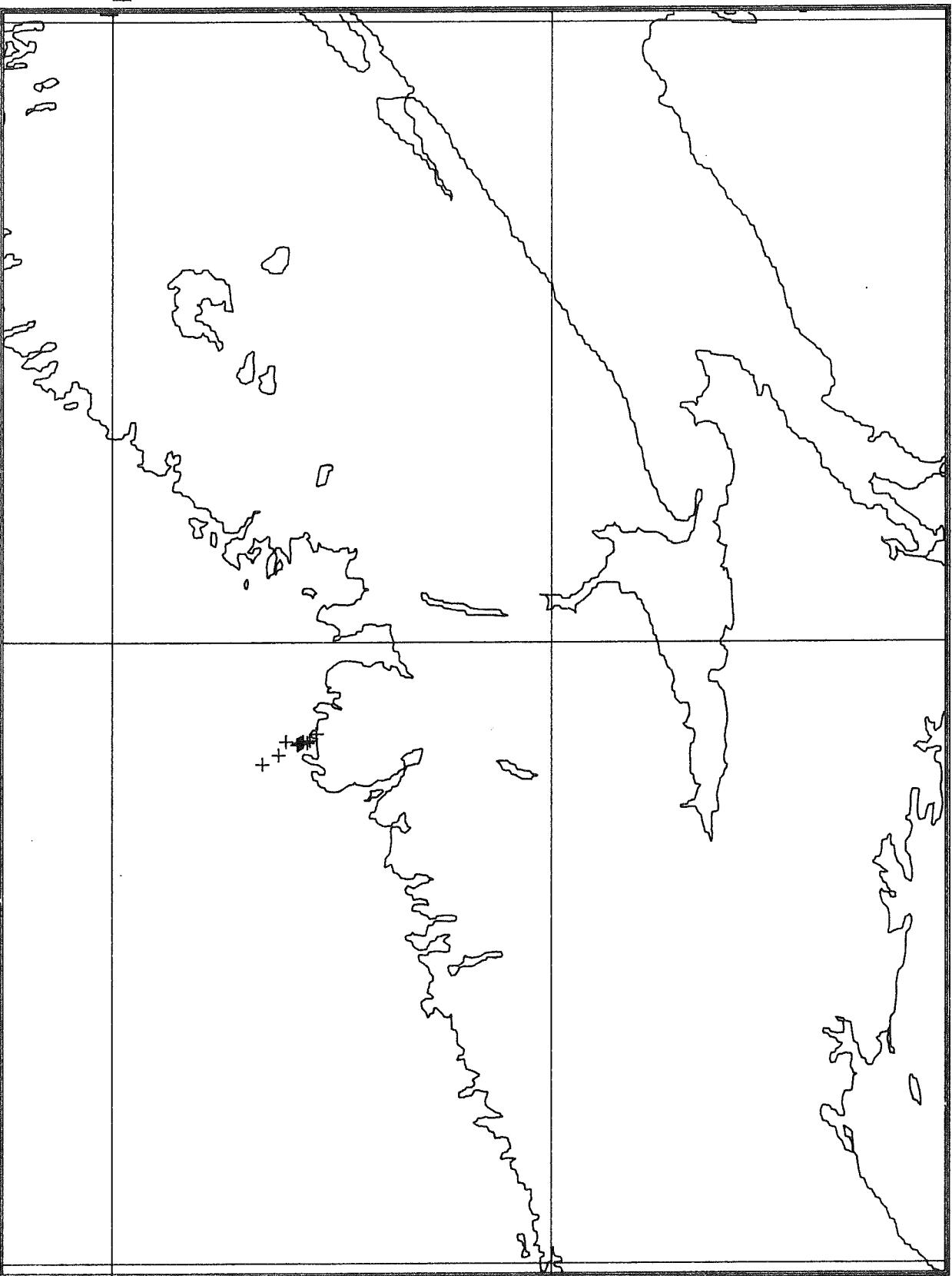
STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
032	40.05150	-64.71483	CONTINENTAL RISE OFF GEORGES BANK	4489.00	156	1841	FAIL	AGC WIDE CORE	0.0
032	40.05150	-64.71483	CONTINENTAL RISE OFF GEORGES BANK	4489.00	156	1841	CORE	TRIGGER WEIGHT	106.0
033	40.05483	-64.70517	CONTINENTAL RISE OFF GEORGES BANK	4462.00	159	1045	FAIL	AGC WIDE CORE	0.0
033	40.05483	-64.70517	CONTINENTAL RISE OFF GEORGES BANK	4462.00	159	1045	CORE	TRIGGER WEIGHT	186.0
034	40.07567	-64.74767	CONTINENTAL RISE OFF GEORGES BANK	4443.00	159	1501	CORE	TRIGGER WEIGHT	212.0
034	40.07567	-64.74767	CONTINENTAL RISE OFF GEORGES BANK	4443.00	159	1501	FAIL	AGC WIDE CORE	0.0
101	43.88950	-62.79467	EMERALD BASIN	239.60	146	1810	CAMERA	UMEL	
201	41.02500	-62.09167	ALBATROSS RISE	4451.00	154	2100	XBT	MK9	
202	39.94417	-64.56900	RISE OFF GEORGES BANK	4596.00	155	1507	XBT	MK9	
203	40.07433	-64.74517	CONTINENTAL RISE OFF GEORGES BANK	4443.00	159	1512	XBT	MK9	

STATION LOCATIONS - 88018 PHASE I  
1:1,500,000 (MERCATOR, 44N)

66° 0' W

64° 0' W

62° 0' W



45° 0' N

45° 0' N

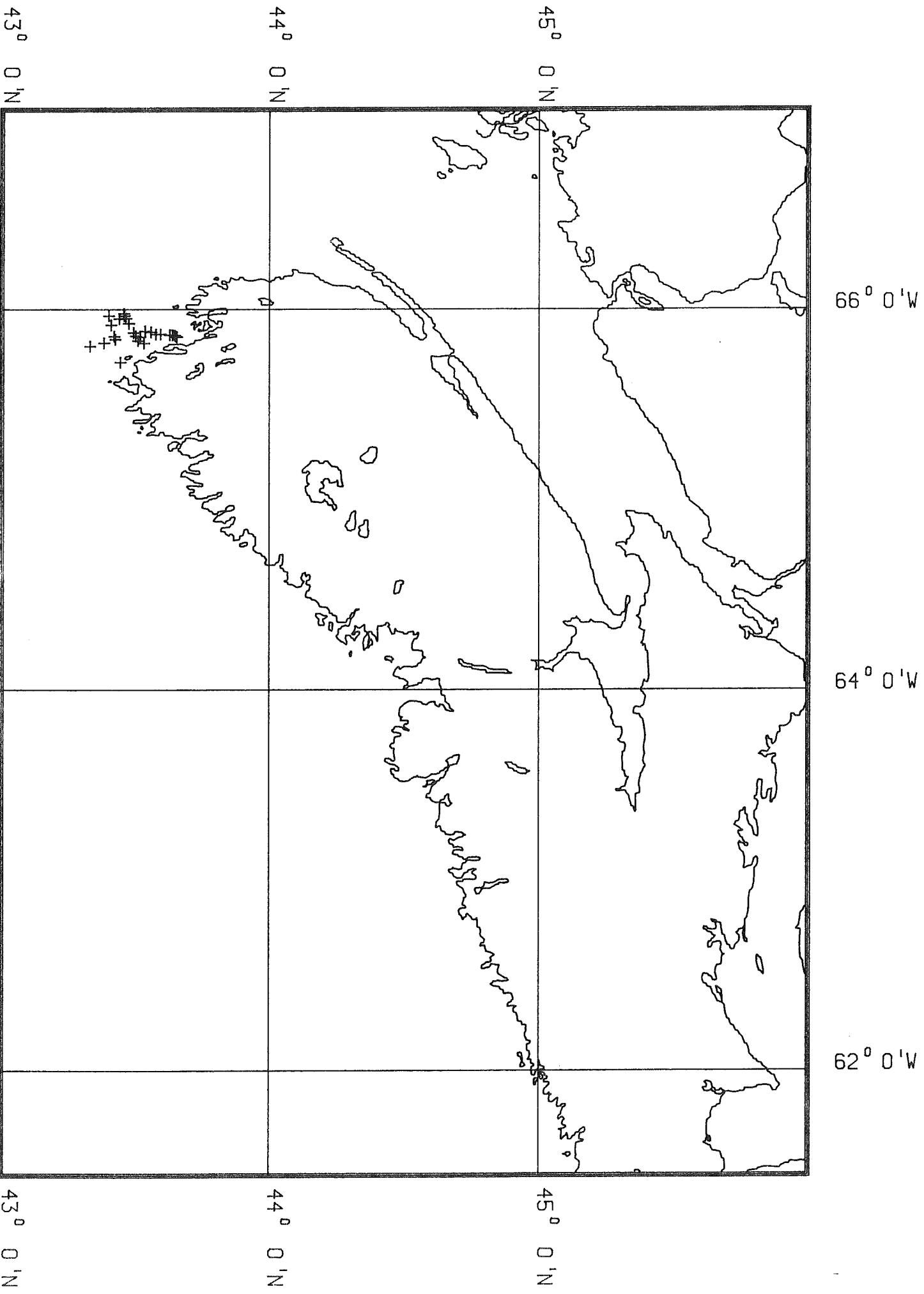
44° 0' N

44° 0' N

CRUISE 88018 PHASE1 - SENIOR SCIENTIST B.MILLER - VESSEL NAVICULA

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	44.34333	-63.60733	OFF SAMBRD	103.00	154	1148	GRAB	VANVEEN	
002	44.38000	-63.63633	OFF SAMBRD	86.00	154	1223	GRAB	VANVEEN	
003	44.39700	-63.67967	OFF SAMBRD	70.00	154	1243	GRAB	VANVEEN	
004	44.42300	-63.66917	OFF SAMBRD	52.00	154	1306	GRAB	VANVEEN	
005	44.42617	-63.67333	OFF SAMBRD	52.00	154	1318	GRAB	VANVEEN	
006	44.43033	-63.67633	OFF SAMBRD	47.00	154	1329	GRAB	VANVEEN	
007	44.43467	-63.67967	OFF SAMBRD	44.00	154	1335	GRAB	VANVEEN	
008	44.44500	-63.67650	OFF SAMBRD	42.00	154	1349	GRAB	VANVEEN	
009	44.45100	-63.68333	OFF SAMBRD	41.00	154	1359	GRAB	VANVEEN	
010	44.46650	-63.70517	OFF SAMBRD	25.00	154	1414	GRAB	VANVEEN	

STATION LOCATIONS - 88018 PHASE2  
1:2,000,000 (MERCATOR, 45N)



## CRUISE 88018 PHASE2 - SENIOR SCIENTIST B.MILLER - VESSEL NAVICULA

1

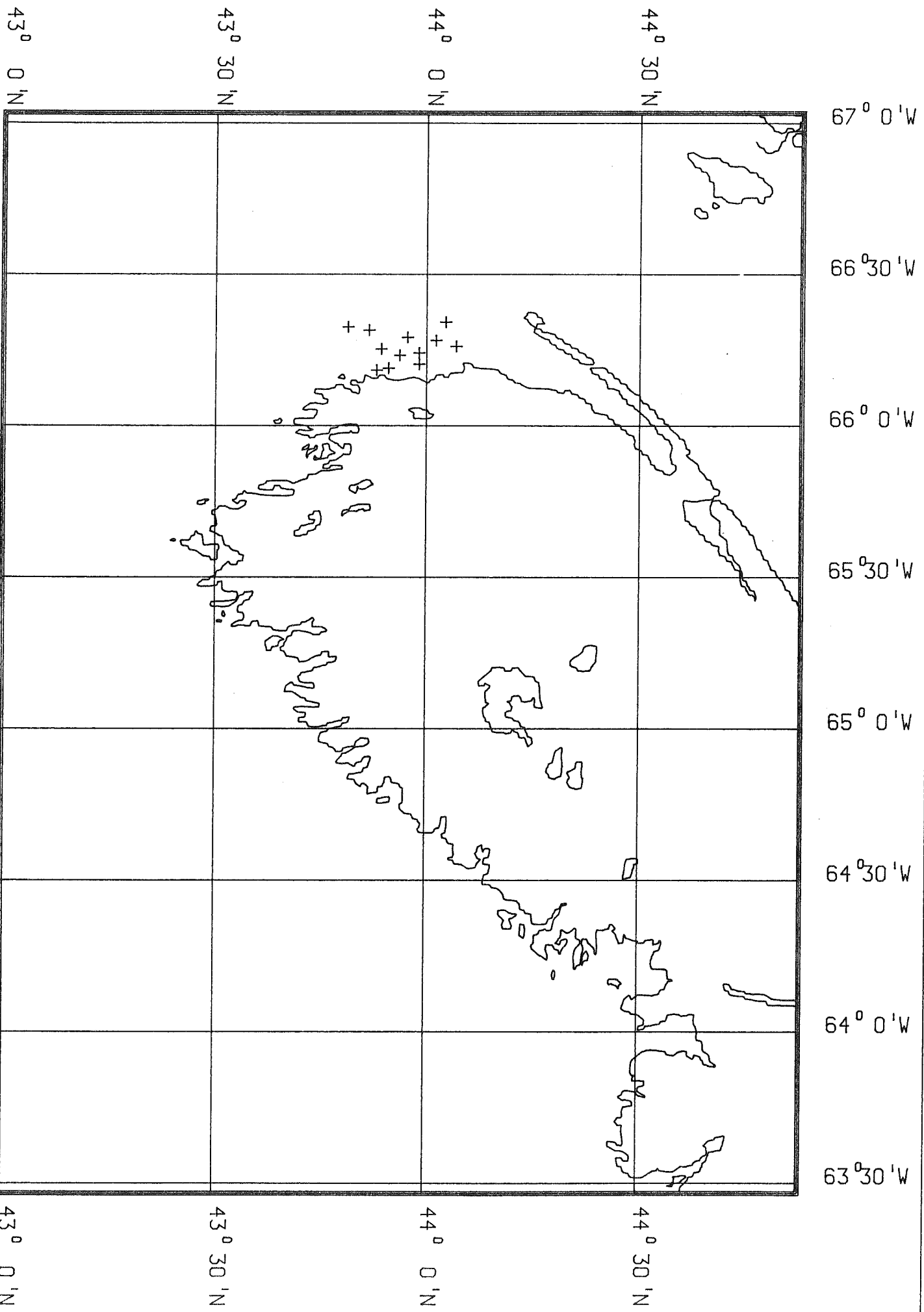
STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	43.52933	-65.82300	YARMOUTH SOUND, PUBNICO	27.00	160	1040	GRAB	VAN VEEN	
002	43.51450	-65.85583	YARMOUTH SOUND, PUBNICO	36.00	160	1059	GRAB	VAN VEEN	
003	43.50633	-65.83567	YARMOUTH SOUND, PUBNICO	54.00	160	1112	GRAB	VAN VEEN	
004	43.49817	-65.86033	YARMOUTH SOUND, PUBNICO	32.00	160	1130	GRAB	VAN VEEN	
005	43.48983	-65.87850	YARMOUTH SOUND, PUBNICO	39.00	160	1146	GRAB	VAN VEEN	
006	43.47183	-65.92667	YARMOUTH SOUND, PUBNICO	30.00	160	1212	GRAB	VAN VEEN	
007	43.46200	-65.95317	YARMOUTH SOUND, PUBNICO	20.00	160	1225	GRAB	VAN VEEN	
008	43.45517	-65.96650	YARMOUTH SOUND, PUBNICO	22.00	160	1238	GRAB	VAN VEEN	
009	43.45367	-65.97817	YARMOUTH SOUND, PUBNICO	23.00	160	1248	GRAB	VAN VEEN	
010	43.43650	-65.95100	YARMOUTH SOUND, PUBNICO	28.00	160	1302	GRAB	VAN VEEN	
011	43.53333	-65.88600	YARMOUTH SOUND, PUBNICO	31.00	160	1348	GRAB	VAN VEEN	
012	43.55500	-65.88150	YARMOUTH SOUND, PUBNICO	27.00	160	1403	GRAB	VAN VEEN	
013	43.57333	-65.87000	YARMOUTH SOUND, PUBNICO	26.00	160	1923	GRAB	VAN VEEN	
014	43.59167	-65.86983	YARMOUTH SOUND, PUBNICO	25.00	160	1934	GRAB	VAN VEEN	
015	43.62700	-65.86617	YARMOUTH SOUND, PUBNICO	23.00	160	1949	GRAB	VAN VEEN	
016	43.63700	-65.86600	YARMOUTH SOUND, PUBNICO	20.00	160	1956	GRAB	VAN VEEN	
017	43.64500	-65.86300	YARMOUTH SOUND, PUBNICO	19.00	160	2002	GRAB	VAN VEEN	
018	43.65083	-65.85767	YARMOUTH SOUND, PUBNICO	18.00	160	2009	GRAB	VAN VEEN	
019	43.65300	-65.85583	YARMOUTH SOUND, PUBNICO	19.00	160	2016	GRAB	VAN VEEN	
020	43.44033	-65.72200	YARMOUTH SOUND, PUBNICO	24.00	162	1132	GRAB	VAN VEEN	
021	43.37833	-65.82317	YARMOUTH SOUND, PUBNICO	40.00	162	1218	GRAB	VAN VEEN	
022	43.32633	-65.80667	YARMOUTH SOUND, PUBNICO	36.00	162	1237	GRAB	VAN VEEN	
023	43.39700	-65.96667	YARMOUTH SOUND, PUBNICO	35.00	162	1346	GRAB	VAN VEEN	
024	43.40567	-65.91833	YARMOUTH SOUND, PUBNICO	20.00	162	1403	GRAB	VAN VEEN	

CRUISE 88018 PHASE2 - SENIOR SCIENTIST B.MILLER - VESSEL NAVICULA

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
025	43.41667	-65.85833	YARMOUTH SOUND, PUBNICO	33.00	162	1421	GRAB	VAN VEEN	
026	43.42100	-65.84250	YARMOUTH SOUND, PUBNICO	47.00	162	1432	GRAB	VAN VEEN	



STATION LOCATIONS - 88018 PHASE3  
1:1, 300,000 (MERCATOR, 44N)



CRUISE 88018 PHASE3 - SENIOR SCIENTIST B.MILLER - VESSEL NAUSICULA

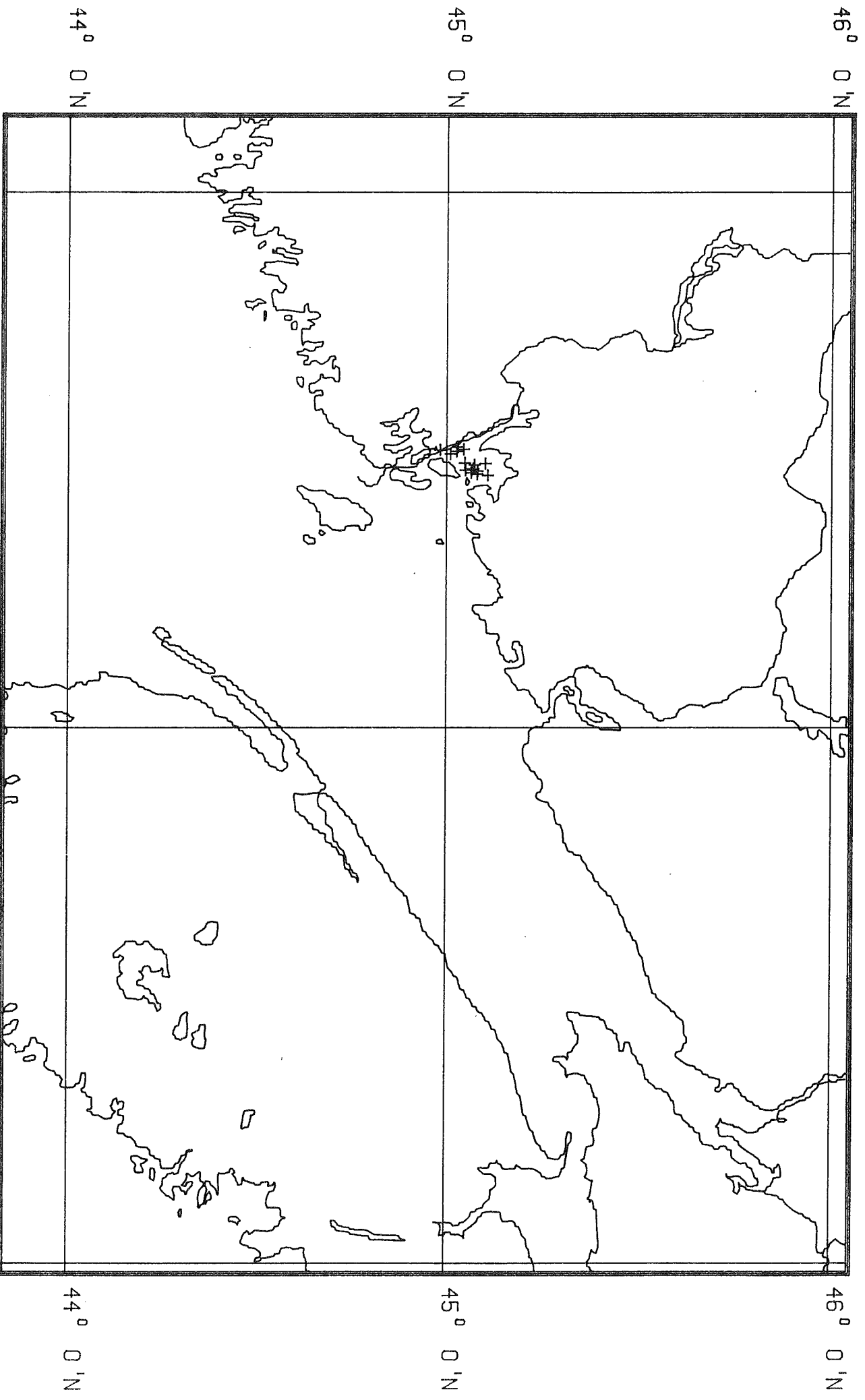
STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(M)
001	43.81500	-66.32567	YARMOUTH, NORTH	56.00	167	1154	GRAB	VAN VEEN	
002	43.86467	-66.31517	YARMOUTH, NORTH	50.00	167	1219	GRAB	VAN VEEN	
003	43.89333	-66.25317	YARMOUTH, NORTH	54.00	167	1237	GRAB	VAN VEEN	
004	43.88233	-66.18333	YARMOUTH, NORTH	26.00	167	1304	GRAB	VAN VEEN	
005	43.91050	-66.19000	YARMOUTH, NORTH	30.00	167	1318	GRAB	VAN VEEN	
006	43.93667	-66.23200	YARMOUTH, NORTH	34.00	167	1338	GRAB	VAN VEEN	
007	43.95517	-66.29167	YARMOUTH, NORTH	34.00	167	1400	GRAB	VAN VEEN	
008	43.98217	-66.24033	YARMOUTH, NORTH	25.00	167	1420	GRAB	VAN VEEN	
009	43.98267	-66.20333	YARMOUTH, NORTH	26.00	167	1437	GRAB	VAN VEEN	
010	44.02200	-66.28133	YARMOUTH, NORTH	28.00	167	1513	GRAB	VAN VEEN	
011	44.04467	-66.34183	YARMOUTH, NORTH	54.00	167	1544	GRAB	VAN VEEN	
012	44.06917	-66.26183	YARMOUTH, NORTH	33.00	167	1615	GRAB	VAN VEEN	

STATION LOCATIONS - 88018 PHASE4  
1:1,500,000 (MERCATOR, 45N)

68° 0' W

66° 0' W

64° 0' W



46° 0' N

45° 0' N

44° 0' N

46° 0' N

45° 0' N

44° 0' N

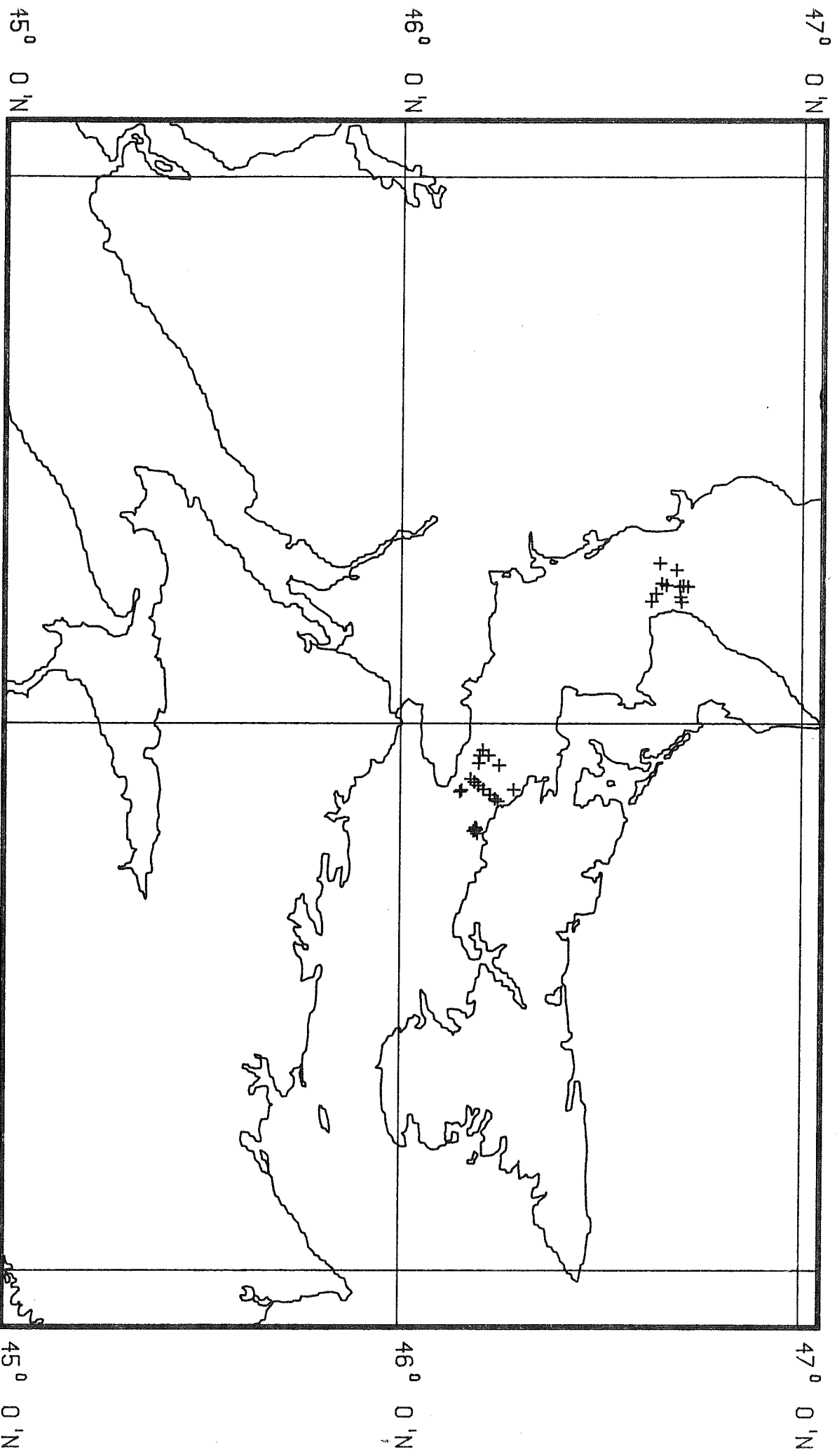
CRUISE 88018 PHASE4 - SENIOR SCIENTIST G.FADER - VESSEL NAVICULA

1

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	45.10167	-66.98650	PASSAMARQUODDY BAY	32.00	183	1145	GRAB	VAN VEEN	
002	45.10783	-66.94233	PASSAMARQUODDY BAY	21.00	183	1206	GRAB	VAN VEEN	
003	45.08017	-66.94667	PASSAMARQUODDY BAY	71.00	183	1223	GRAB	VAN VEEN	
004	45.08100	-66.95833	PASSAMARQUODDY BAY	50.00	183	1248	GRAB	VAN VEEN	
005	45.07300	-66.98150	PASSAMARQUODDY BAY	42.00	183	1254	GRAB	VAN VEEN	
006	45.06967	-66.96650	PASSAMARQUODDY BAY	45.00	183	1308	GRAB	VAN VEEN	
007	45.06500	-66.95200	PASSAMARQUODDY BAY	48.00	183	1319	GRAB	VAN VEEN	
008	45.04933	-66.96200	PASSAMARQUODDY BAY	24.00	183	1336	GRAB	VAN VEEN	
009	45.04750	-66.98867	PASSAMARQUODDY BAY	26.00	183	1350	GRAB	VAN VEEN	
010	45.04467	-67.03967	PASSAMARQUODDY BAY	14.00	183	1406	GRAB	VAN VEEN	
011	45.02983	-67.04800	PASSAMARQUODDY BAY	30.00	183	1419	GRAB	VAN VEEN	
012	45.02650	-67.03183	PASSAMARQUODDY BAY	31.00	183	1429	GRAB	VAN VEEN	
013	45.01000	-67.02267	PASSAMARQUODDY BAY	45.00	183	1447	GRAB	VAN VEEN	
014	44.98283	-67.03750	PASSAMARQUODDY BAY	70.00	183	1502	GRAB	VAN VEEN	

STATION LOCATIONS - 88018 PHASE6/7  
1:1,500,000 (MERCATOR, 46N)

66° 0' W      64° 0' W      62° 0' W



CRUISE 88018 PHASE6/7 - SENIOR SCIENTIST G.FADER - VESSEL NAVICULA

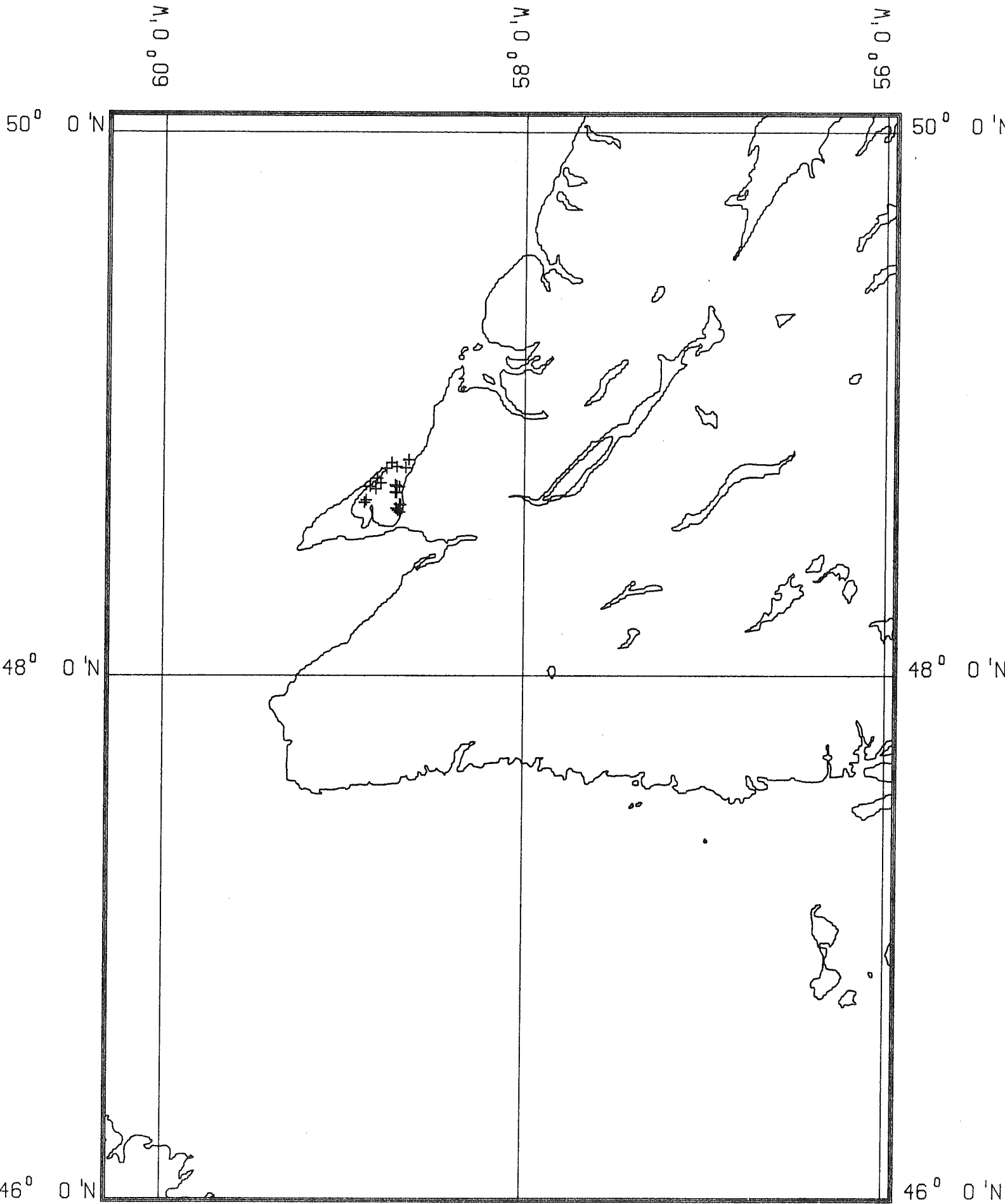
1

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	46.18383	-63.60667	TRYON SHOALS,P.E.I	9.00	192	1845	GRAB	VAN VEEN	
002	46.18483	-63.60717	TRYON SHOALS,P.E.I	9.00	192	1853	GRAB	VAN VEEN	
003	46.18567	-63.60883	TRYON SHOALS,P.E.I	9.00	192	1858	GRAB	VAN VEEN	
004	46.18767	-63.60950	TRYON SHOALS,P.E.I	9.00	192	1903	GRAB	VAN VEEN	
005	46.18867	-63.61033	TRYON SHOALS,P.E.I	9.00	192	1908	GRAB	VAN VEEN	
006	46.18967	-63.61100	TRYON SHOALS,P.E.I	9.00	192	1912	GRAB	VAN VEEN	
007	46.19067	-63.61133	TRYON SHOALS,P.E.I	8.50	192	1919	GRAB	VAN VEEN	
008	46.19133	-63.61267	TRYON SHOALS,P.E.I	7.00	192	1925	GRAB	VAN VEEN	
009	46.19083	-63.61367	TRYON SHOALS,P.E.I	9.00	192	1932	GRAB	VAN VEEN	
010	46.19033	-63.61517	TRYON SHOALS,P.E.I	11.00	192	1936	GRAB	VAN VEEN	
011	46.18983	-63.61617	TRYON SHOALS,P.E.I	11.00	192	1942	GRAB	VAN VEEN	
012	46.19333	-63.59767	TRYON SHOALS,P.E.I	7.50	192	1950	GRAB	VAN VEEN	
013	46.18883	-63.61983	TRYON SHOALS,P.E.I	12.50	192	2000	GRAB	VAN VEEN	
014	46.63483	-64.47550	WEST P.E.I.	23.00	196	1304	GRAB	VAN VEEN	
015	46.69333	-64.50117	WEST P.E.I.	22.00	196	1333	GRAB	VAN VEEN	
016	46.71333	-64.50100	WEST P.E.I.	27.00	196	1349	GRAB	VAN VEEN	
017	46.69717	-64.44450	WEST P.E.I.	16.00	196	1412	GRAB	VAN VEEN	
018	46.69483	-64.46250	WEST P.E.I.	15.00	196	1430	GRAB	VAN VEEN	
019	46.68467	-64.56100	WEST P.E.I.	18.00	196	1500	GRAB	VAN VEEN	
020	46.64367	-64.58650	WEST P.E.I.	25.00	196	1544	GRAB	VAN VEEN	
021	46.64833	-64.51217	WEST P.E.I.	25.00	196	1630	GRAB	VAN VEEN	
022	46.62317	-64.44650	WEST P.E.I.	14.00	196	1502	GRAB	VAN VEEN	
023	46.70150	-64.50400	WEST P.E.I.	32.00	196	1339	GRAB	VAN VEEN	
024	46.65983	-64.50333	WEST P.E.I.	28.00	196	1612	GRAB	VAN VEEN	
025	46.19633	-63.85483	NORTHUMBERLAND	11.00	201	1735	GRAB	VAN VEEN	
026	46.19867	-63.88300	NORTHUMBERLAND	12.00	201	1748	GRAB	VAN VEEN	
027	46.20617	-63.90267	NORTHUMBERLAND	12.00	201	1757	GRAB	VAN VEEN	
028	46.22100	-63.88317	NORTHUMBERLAND	17.00	201	1812	GRAB	VAN VEEN	
029	46.24717	-63.84700	NORTHUMBERLAND	18.00	201	1835	GRAB	VAN VEEN	
030	46.28367	-63.75783	NORTHUMBERLAND	12.00	201	1914	GRAB	VAN VEEN	
031	46.24400	-63.71517	NORTHUMBERLAND	12.00	201	1940	GRAB	VAN VEEN	
032	46.23683	-63.72367	NORTHUMBERLAND	13.00	201	1953	GRAB	VAN VEEN	
033	46.22450	-63.73900	NORTHUMBERLAND	19.00	201	2005	GRAB	VAN VEEN	
034	46.20783	-63.75900	NORTHUMBERLAND	18.00	201	2021	GRAB	VAN VEEN	
035	46.19550	-63.77317	NORTHUMBERLAND	16.00	202	1310	GRAB	VAN VEEN	
036	46.18550	-63.78567	NORTHUMBERLAND	13.00	202	1320	GRAB	VAN VEEN	

CRUISE 88018 PHASE6/7 - SENIOR SCIENTIST G.FADER - VESSEL NAVICULA

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
037	46.17633	-63.79717	NORTHUMBERLAND STRAIT	8.00	202	1331	GRAB	VAN VEEN	
038	46.15300	-63.75600	NORTHUMBERLAND STRAIT	8.00	202	1350	GRAB	VAN VEEN	
039	46.14967	-63.75117	NORTHUMBERLAND STRAIT	8.00	202	1356	GRAB	VAN VEEN	

STATION LOCATIONS - 88018 PHASE8  
1:2,000,000 (MERCATOR, 48N)



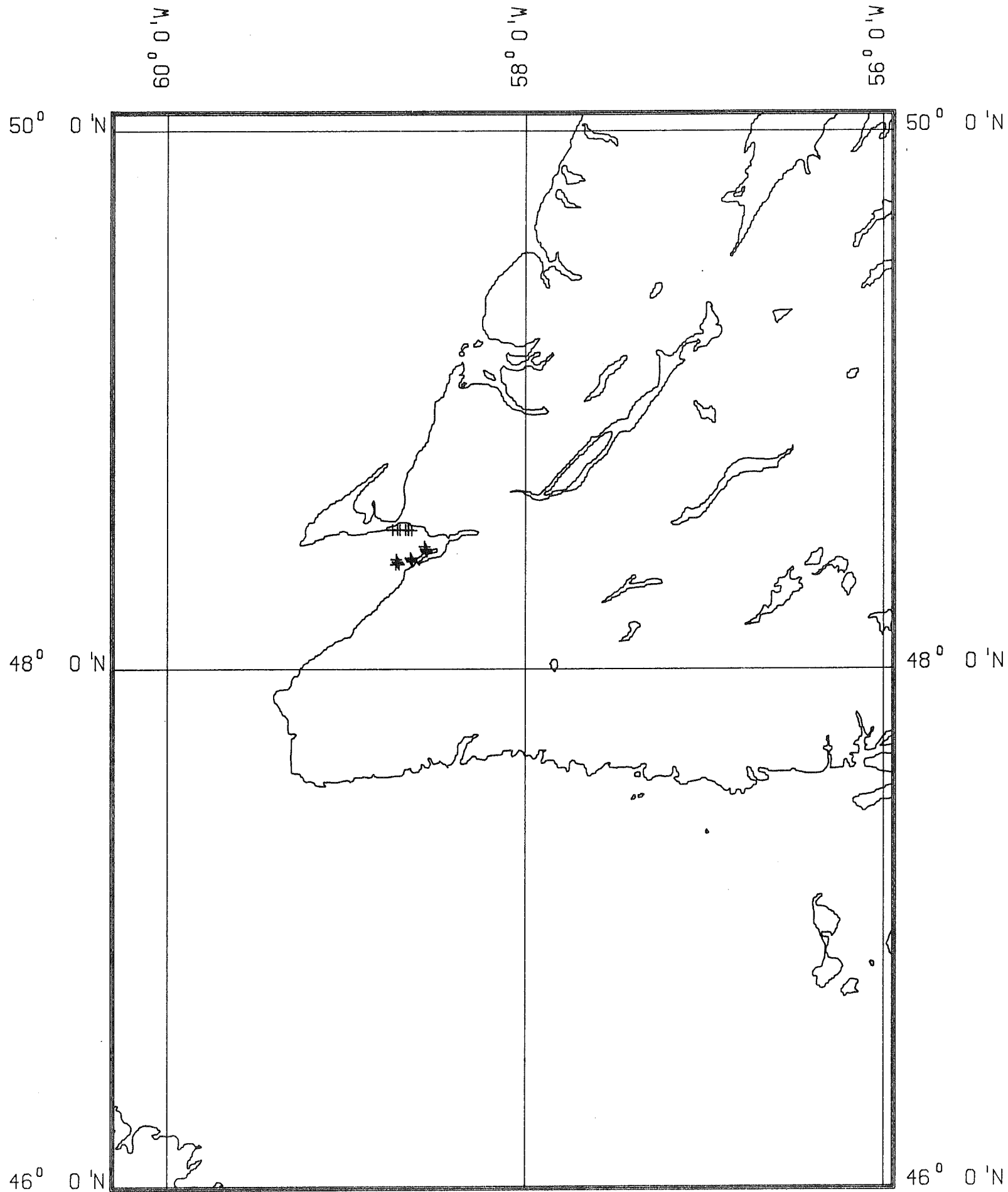


CRUISE 88018 PHASE8 - SENIOR SCIENTIST D.FORBES - VESSEL NAUSICULA

1

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	48.65417	-58.87400	PORT AU PORT BAY	14.00	224	1045	GRAB		
002	48.64533	-58.88350	PORT AU PORT BAY	16.00	224	1059	GRAB		
003	48.70433	-58.85183	PORT AU PORT BAY	21.00	224	1128	GRAB		
004	48.69583	-58.82033	PORT AU PORT BAY	19.00	224	1141	GRAB		
005	48.73533	-58.81267	PORT AU PORT BAY	22.00	224	1205	GRAB		
006	48.71783	-58.79350	PORT AU PORT BAY	14.00	224	1221	GRAB		
007	48.70567	-58.70450	PORT AU PORT BAY	17.00	224	1501	FAIL	GRAVITY	0.0
008	48.70983	-58.71300	PORT AU PORT BAY	41.00	224	1521	CORE	GRAVITY	161.0
009	48.70633	-58.70917	PORT AU PORT BAY	33.00	224	1548	FAIL	GRAVITY	0.0
010	48.70800	-58.70800	PORT AU PORT BAY	43.00	224	1603	GRAB		
011	48.70583	-58.70583	PORT AU PORT BAY	18.00	224	1613	GRAB		
012	48.70283	-58.69017	PORT AU PORT BAY	8.00	224	1633	GRAB		
013	48.68400	-58.70700	PORT AU PORT BAY	10.00	224	1658	GRAB		
014	48.68183	-58.70633	PORT AU PORT BAY	10.00	224	1728	GRAB		
015	48.68250	-58.71300	PORT AU PORT BAY	11.00	224	1739	GRAB		
016	48.63717	-58.68383	PORT AU PORT BAY	31.00	224	1739	GRAB		
017	48.63850	-58.68933	PORT AU PORT BAY	6.00	224	1820	GRAB		
018	48.60950	-58.68800	PORT AU PORT BAY	20.00	224	1832	GRAB		
019	48.61817	-58.69967	PORT AU PORT BAY	8.00	224	1855	GRAB		
020	48.62367	-58.70883	PORT AU PORT BAY	23.00	224	1908	GRAB		
021	48.61683	-58.69833	PORT AU PORT BAY	34.00	224	1917	CORE	GRAVITY	180.0
022	48.79183	-58.73350	PORT AU PORT BAY	22.00	224	1943	CORE	GRAVITY	106.0
023	48.79250	-58.73350	PORT AU PORT BAY	16.00	225	1810	GRAB		
024	48.77200	-58.76183	PORT AU PORT BAY	16.00	225	1820	GRAB		
025	48.77733	-58.70450	PORT AU PORT BAY	10.00	225	1853	GRAB		
026	48.77400	-58.65533	PORT AU PORT BAY	14.00	225	1916	GRAB		
027	48.80417	-58.63783	PORT AU PORT BAY	28.00	225	1937	GRAB		
028	48.80317	-58.63933	PORT AU PORT BAY	38.00	225	1957	GRAB		
				37.00	225	2012	CORE	GRAVITY	86.0

STATION LOCATIONS - 88018 PHASE9  
1:2,000,000 (MERCATOR, 48N)



CRUISE 88018 PHASE9 - SENIOR SCIENTIST D.FORBES - VESSEL NAUTICULA

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	48.52483	-58.73767	ST. GEORGE'S BAY	22.00	230	1249	GRAB	VAN VEEN	
002	48.52517	-58.70950	ST. GEORGE'S BAY	16.00	230	1307	GRAB	VAN VEEN	
003	48.52467	-58.69617	ST. GEORGE'S BAY	24.00	230	1324	GRAB	VAN VEEN	
004	48.52550	-58.66483	ST. GEORGE'S BAY	27.00	230	1345	GRAB	VAN VEEN	
005	48.52350	-58.64883	ST. GEORGE'S BAY	43.00	230	1356	GRAB	VAN VEEN	
006	48.52267	-58.63133	ST. GEORGE'S BAY	47.00	230	1408	GRAB	VAN VEEN	
007	48.52483	-58.65000	ST. GEORGE'S BAY	42.00	230	1447	CORE	GRAVITY	20.0
008	48.52483	-58.65000	ST. GEORGE'S BAY	42.00	230	1500	CORE	GRAVITY	152.0
009	48.46250	-58.55850	ST. GEORGE'S BAY	47.00	230	1632	GRAB	VAN VEEN	
010	48.45267	-58.55217	ST. GEORGE'S BAY	38.00	230	1644	GRAB	VAN VEEN	
011	48.44917	-58.55033	ST. GEORGE'S BAY	17.00	230	1653	GRAB	VAN VEEN	
012	48.44667	-58.54883	ST. GEORGE'S BAY	8.00	230	1702	GRAB	VAN VEEN	
013	48.44317	-58.54633	ST. GEORGE'S BAY	4.00	230	1710	GRAB	VAN VEEN	
014	48.39517	-58.70133	ST. GEORGE'S BAY	25.00	230	1808	GRAB	VAN VEEN	
015	48.39967	-58.70550	ST. GEORGE'S BAY	36.00	230	1824	GRAB	VAN VEEN	
016	48.41350	-58.71617	ST. GEORGE'S BAY	24.00	230	1846	GRAB	VAN VEEN	
017	48.40433	-58.71150	ST. GEORGE'S BAY	24.00	230	1908	GRAB	VAN VEEN	
018	48.39400	-58.72017	ST. GEORGE'S BAY	26.00	230	1917	GRAB	VAN VEEN	
019	48.41900	-58.63800	ST. GEORGE'S BAY	56.00	230	2006	GRAB	VAN VEEN	
020	48.41383	-58.63450	ST. GEORGE'S BAY	16.00	230	2017	GRAB	VAN VEEN	
021	48.40850	-58.63000	ST. GEORGE'S BAY	10.00	230	2026	GRAB	VAN VEEN	
022	48.40550	-58.62767	ST. GEORGE'S BAY	6.00	230	2032	GRAB	VAN VEEN	

STATION LOCATIONS - 88018 PHASE11  
1:4,000,000 (MERCATOR, 45N)

62° 0' W

58° 0' W

54° 0' W

48° 0' N

48° 0' N

46° 0' N

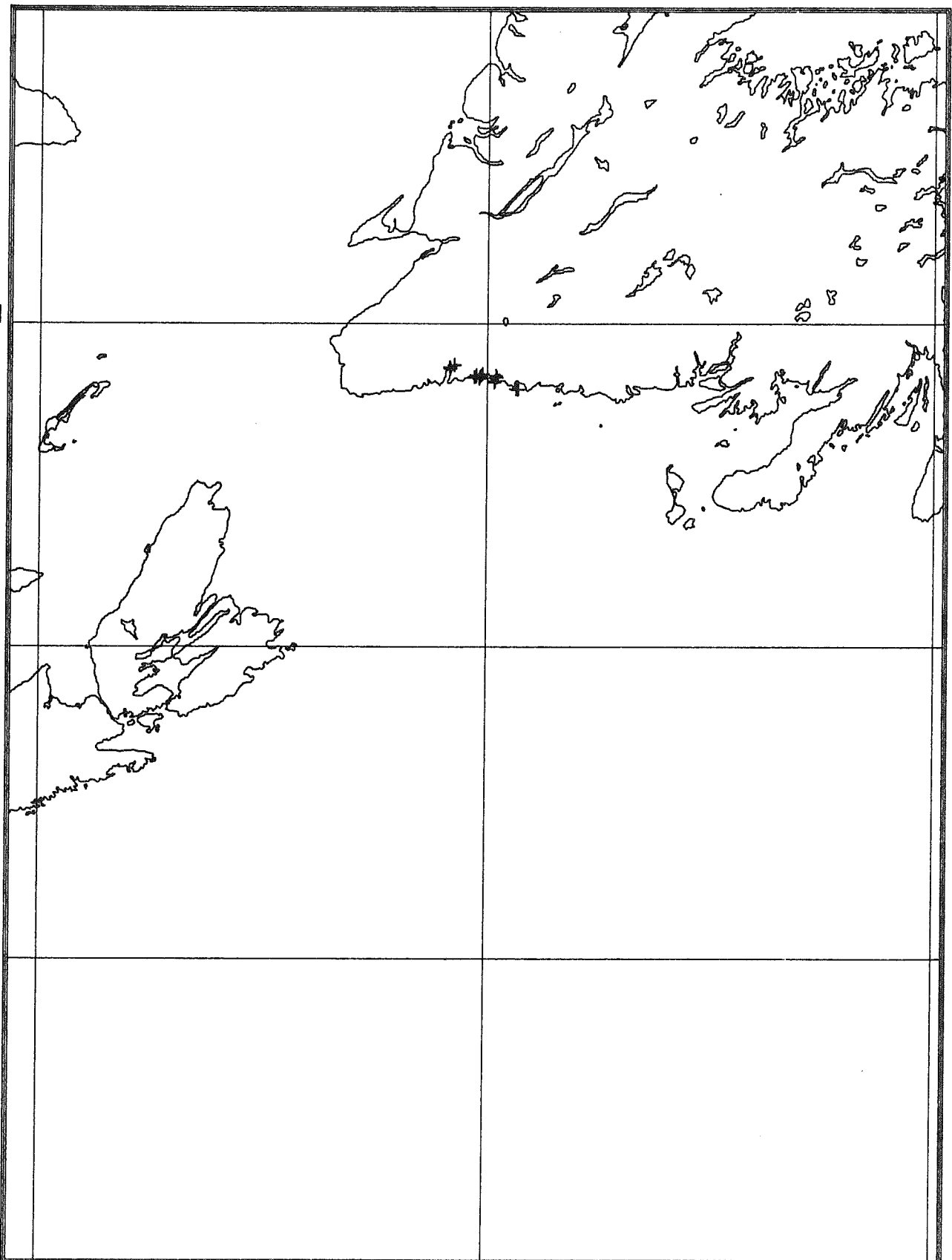
46° 0' N

44° 0' N

44° 0' N

42° 0' N

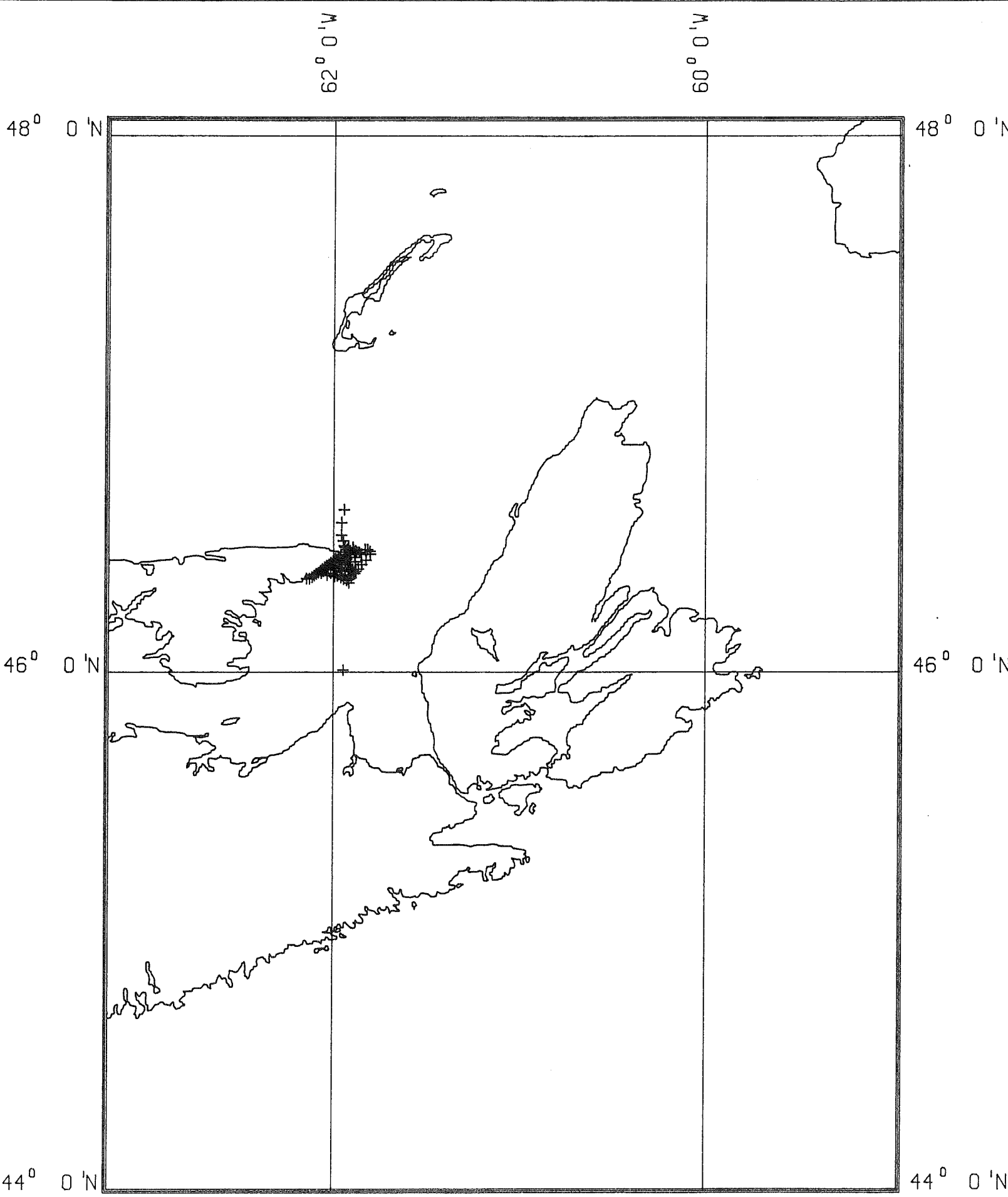
42° 0' N



CRUISE 88018 PHASE11 - SENIOR SCIENTIST D.FORBES - VESSEL NAVICULA

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	47.60067	-57.74500	BARASWAY BAY	37.00	235	1550	GRAB	VAN VEEN	
002	47.59917	-57.72867	BARASWAY BAY	33.00	235	1603	GRAB	VAN VEEN	
003	47.59717	-57.72917	BARASWAY BAY	34.00	235	1615	GRAB	VAN VEEN	
004	47.60067	-57.72433	BARASWAY BAY	30.00	235	1623	GRAB	VAN VEEN	
005	43.59167	-57.75183	BARASWAY BAY	55.00	235	1639	GRAB	VAN VEEN	
006	43.59167	-57.75183	BARASWAY BAY	55.00	235	1643	GRAB	VAN VEEN	
007	47.68250	-57.92383	CONNDOIRE BAY	19.00	235	1756	GRAB	VAN VEEN	
008	47.67217	-57.91617	CONNDOIRE BAY	24.00	235	1806	GRAB	VAN VEEN	
009	47.64917	-57.93217	CONNDOIRE BAY	53.00	235	1826	GRAB	VAN VEEN	
010	47.64783	-57.93317	CONNDOIRE BAY	69.00	235	1835	GRAB	VAN VEEN	
011	47.64617	-57.93533	CONNDOIRE BAY	80.00	235	1843	GRAB	VAN VEEN	
012	47.64133	-57.93783	CONNDOIRE BAY	81.00	235	1851	GRAB	VAN VEEN	
013	47.69417	-58.04017	COUTEAU BAY	16.00	235	1956	GRAB	VAN VEEN	
014	47.68317	-58.05550	COUTEAU BAY	21.00	235	2018	GRAB	VAN VEEN	
015	47.67333	-58.06950	COUTEAU BAY	19.00	235	2031	GRAB	VAN VEEN	
016	47.66433	-58.07167	COUTEAU BAY	23.00	235	2042	FAIL	VAN VEEN	
017	47.66550	-58.07217	COUTEAU BAY	29.00	235	2048	GRAB	VAN VEEN	
018	47.67467	-58.11517	CING CERF BAY	21.00	236	1218	GRAB	VAN VEEN	
019	47.67767	-58.10250	CING CERF BAY	20.00	236	1231	GRAB	VAN VEEN	
020	47.68633	-58.09850	CING CERF BAY	14.00	236	1243	GRAB	VAN VEEN	
021	47.74867	-58.29283	LA POILE BAY	28.00	236	1847	GRAB	VAN VEEN	
022	47.74683	-58.29483	LA POILE BAY	56.00	236	1900	GRAB	VAN VEEN	
023	47.74600	-58.29617	LA POILE BAY	58.00	236	1909	GRAB	VAN VEEN	
024	47.73367	-58.33600	LA POILE BAY	24.00	236	1932	GRAB	VAN VEEN	
025	47.73283	-58.33450	LA POILE BAY	65.00	236	1945	GRAB	VAN VEEN	
026	47.74667	-58.29550	LA POILE BAY	57.00	236	2008	FAIL	GRAVITY	20.0
027	47.72517	-58.32967	LA POILE BAY	176.00	236	2027	CORE	GRAVITY	68.0

STATION LOCATIONS - 88018 PHASE12  
1:2,000,000 (MERCATOR, 46N)



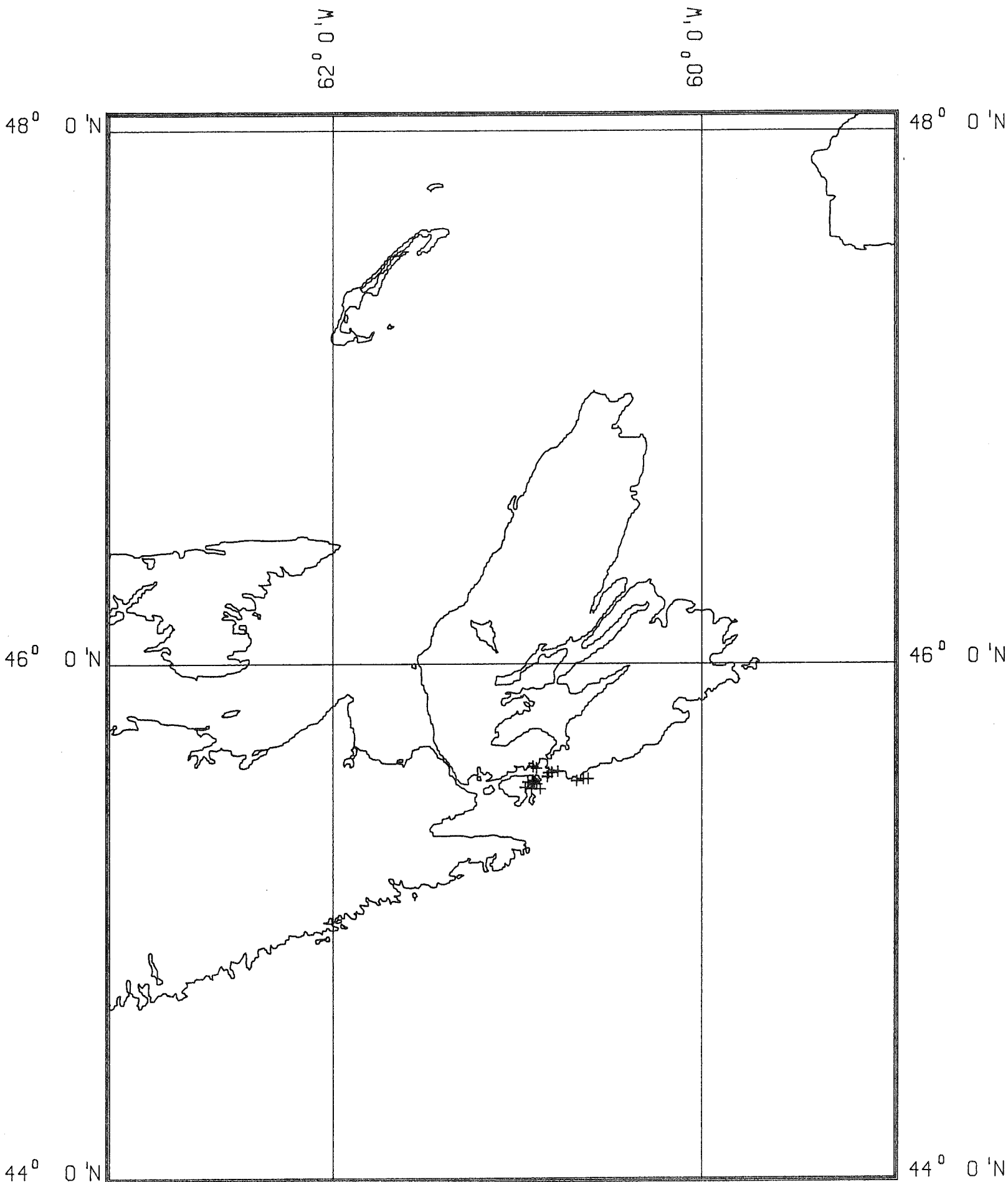
CRUISE 88018 PHASE12 - SENIOR SCIENTIST D.FROBEL - VESSEL NAUVICLA

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	46.35433	-62.14633	EAST PEI	28.00	271	1200	GRAB	VAN VEEN	
002	46.35317	-62.13000	EAST PEI	33.00	271	1210	GRAB	VAN VEEN	
003	46.35967	-62.11533	EAST PEI	33.00	271	1220	GRAB	VAN VEEN	
004	46.36517	-62.10467	EAST PEI	31.50	271	1231	GRAB	VAN VEEN	
005	46.37133	-62.09283	EAST PEI	29.50	271	1238	GRAB	VAN VEEN	
006	46.37600	-62.08183	EAST PEI	28.50	271	1247	GRAB	VAN VEEN	
007	46.38333	-62.06967	EAST PEI	24.50	271	1256	GRAB	VAN VEEN	
008	46.38967	-62.05950	EAST PEI	16.60	271	1307	GRAB	VAN VEEN	
009	46.39683	-62.04683	EAST PEI	13.50	271	1316	GRAB	VAN VEEN	
010	46.40233	-62.03650	EAST PEI	13.00	271	1324	GRAB	VAN VEEN	
011	46.40633	-62.02500	EAST PEI	12.50	271	1338	GRAB	VAN VEEN	
012	46.41467	-62.01350	EAST PEI	13.50	271	1346	GRAB	VAN VEEN	
013	46.42050	-62.00083	EAST PEI	13.00	271	1354	GRAB	VAN VEEN	
014	46.42817	-61.98950	EAST PEI	12.30	271	1403	GRAB	VAN VEEN	
015	46.43700	-61.97367	EAST PEI	14.00	271	1412	GRAB	VAN VEEN	
016	46.44417	-61.95867	EAST PEI	18.00	271	1420	GRAB	VAN VEEN	
017	46.44050	-61.95867	EAST PEI	19.20	271	1433	GRAB	VAN VEEN	
018	46.44233	-61.94200	EAST PEI	20.00	271	1443	GRAB	VAN VEEN	
019	46.44417	-61.92667	EAST PEI	18.50	271	1450	GRAB	VAN VEEN	
020	46.44650	-61.91567	EAST PEI	30.00	271	1532	GRAB	VAN VEEN	
021	46.45483	-61.93283	EAST PEI	21.50	271	1546	GRAB	VAN VEEN	
022	46.47300	-61.93783	EAST PEI	27.00	271	1558	FAIL	VAN VEEN	
023	46.40783	-62.01700	EAST PEI	14.00	271	1647	GRAB	VAN VEEN	
024	46.40550	-62.00550	EAST PEI	14.00	271	1703	GRAB	VAN VEEN	
025	46.40133	-61.98967	EAST PEI	17.00	271	1712	GRAB	VAN VEEN	
026	46.39683	-61.97000	EAST PEI	25.00	271	1720	GRAB	VAN VEEN	
027	46.39333	-61.95300	EAST PEI	24.50	271	1732	GRAB	VAN VEEN	
028	46.38867	-61.93633	EAST PEI	16.50	271	1744	GRAB	VAN VEEN	
029	46.38633	-61.91967	EAST PEI	12.00	271	1754	GRAB	VAN VEEN	
030	46.38200	-61.90633	EAST PEI	18.00	271	1802	GRAB	VAN VEEN	
031	46.37683	-61.89133	EAST PEI	28.00	271	1812	GRAB	VAN VEEN	
032	46.38133	-61.87967	EAST PEI	31.50	271	1819	GRAB	VAN VEEN	
033	46.38867	-61.89500	EAST PEI	24.50	271	1838	GRAB	VAN VEEN	
034	46.39700	-61.90800	EAST PEI	13.00	271	1849	GRAB	VAN VEEN	
035	46.40750	-61.92200	EAST PEI	13.50	271	1903	GRAB	VAN VEEN	
036	46.41567	-61.93533	EAST PEI	15.50	271	1915	GRAB	VAN VEEN	
037	46.42533	-61.95017	EAST PEI	16.00	271	1927	GRAB	VAN VEEN	
038	46.43500	-61.96367	EAST PEI	19.00	271	1937	GRAB	VAN VEEN	
039	46.43667	-61.91867	EAST PEI	9.50	271	2007	GRAB	VAN VEEN	
040	46.35183	-61.91817	EAST PEI	31.50	271	2017	GRAB	VAN VEEN	
041	46.33750	-61.91633	EAST PEI	38.00	271	2028	GRAB	VAN VEEN	
042	46.61333	-61.94167	EAST PEI	65.00	277	1342	GRAB	VAN VEEN	
043	46.00767	-61.94583	EAST PEI	52.00	277	1404	GRAB	VAN VEEN	
044	46.56500	-61.95583	EAST PEI	52.00	277	1421	GRAB	VAN VEEN	
045	46.51833	-61.95667	EAST PEI	44.00	277	1504	GRAB	VAN VEEN	
046	46.49667	-61.94667	EAST PEI	31.00	277	1528	GRAB	VAN VEEN	
047	46.47750	-61.94167	EAST PEI	24.00	277	1544	FAIL	VAN VEEN	
048	46.47167	-61.89417	EAST PEI	30.50	277	1600	GRAB	VAN VEEN	

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(M)
049	46.47083	-61.91800	EAST PEI	27.00	277	1627	FAIL	VAN VEEN	
050	46.46350	-61.89300	EAST PEI	35.50	277	1639	GRAB	VAN VEEN	
051	46.45883	-61.88017	EAST PEI	36.00	277	1647	GRAB	VAN VEEN	
052	46.45283	-61.85967	EAST PEI	32.50	277	1701	GRAB	VAN VEEN	
053	46.46383	-61.82967	EAST PEI	37.50	277	1717	GRAB	VAN VEEN	
054	46.46383	-61.81633	EAST PEI	35.00	277	1728	GRAB	VAN VEEN	
055	46.45650	-61.80417	EAST PEI	35.00	277	1736	GRAB	VAN VEEN	
056	46.44650	-61.80200	EAST PEI	35.50	277	1744	GRAB	VAN VEEN	
057	46.44617	-61.84987	EAST PEI	32.00	277	1802	GRAB	VAN VEEN	
058	46.45467	-61.87633	EAST PEI	35.50	277	1820	GRAB	VAN VEEN	
059	46.45333	-61.88667	EAST PEI	34.00	277	1844	GRAB	VAN VEEN	
060	46.45767	-61.90833	EAST PEI	34.00	277	1901	GRAB	VAN VEEN	
061	46.46367	-61.92500	EAST PEI	24.00	277	1916	GRAB	VAN VEEN	
062	46.43500	-61.88300	EAST PEI	30.00	277	1937	GRAB	VAN VEEN	
063	46.42383	-61.82467	EAST PEI	31.50	277	1956	GRAB	VAN VEEN	
064	46.40717	-61.84700	EAST PEI	27.50	277	2009	GRAB	VAN VEEN	
065	46.41800	-61.88350	EAST PEI	28.50	277	2023	GRAB	VAN VEEN	
066	46.41833	-61.90950	EAST PEI	18.00	277	2035	GRAB	VAN VEEN	
067	46.42733	-61.92883	EAST PEI	16.00	277	2046	GRAB	VAN VEEN	
068	46.43467	-61.94033	EAST PEI	18.00	277	2054	GRAB	VAN VEEN	
069	46.41367	-61.96200	EAST PEI	20.00	277	2111	GRAB	VAN VEEN	
070	46.39017	-61.86617	EAST PEI	30.00	277	2141	GRAB	VAN VEEN	
071	46.37300	-61.88517	EAST PEI	32.50	277	2154	GRAB	VAN VEEN	
072	46.35633	-61.90367	EAST PEI	34.00	277	2206	GRAB	VAN VEEN	
073	46.36833	-61.94083	EAST PEI	14.50	277	2225	GRAB	VAN VEEN	
074	46.38350	-61.96467	EAST PEI	28.00	277	2237	GRAB	VAN VEEN	
075	46.39217	-62.00133	EAST PEI	19.00	277	2253	GRAB	VAN VEEN	
076	46.38800	-62.04417	EAST PEI	14.50	277	2307	GRAB	VAN VEEN	
077	46.38133	-62.05617	EAST PEI	24.50	277	2316	GRAB	VAN VEEN	
078	46.37467	-62.01500	EAST PEI	24.00	277	2329	GRAB	VAN VEEN	
079	46.36983	-61.99633	EAST PEI	29.50	277	2340	GRAB	VAN VEEN	
080	46.36467	-61.97967	EAST PEI	30.00	277	2348	GRAB	VAN VEEN	
081	46.35200	-61.94500	EAST PEI	23.50	278	7	GRAB	VAN VEEN	
082	46.34700	-61.92800	EAST PEI	30.00	278	15	GRAB	VAN VEEN	
083	46.35800	-61.96033	EAST PEI	28.00	278	27	GRAB	VAN VEEN	
084	46.36200	-61.99417	EAST PEI	31.00	278	43	GRAB	VAN VEEN	
085	46.36667	-62.03467	EAST PEI	28.50	278	55	GRAB	VAN VEEN	
086	46.37417	-62.06683	EAST PEI	29.00	278	106	GRAB	VAN VEEN	



STATION LOCATIONS - 88018 PHASE13  
1:2,000,000 (MERCATOR, 46N)



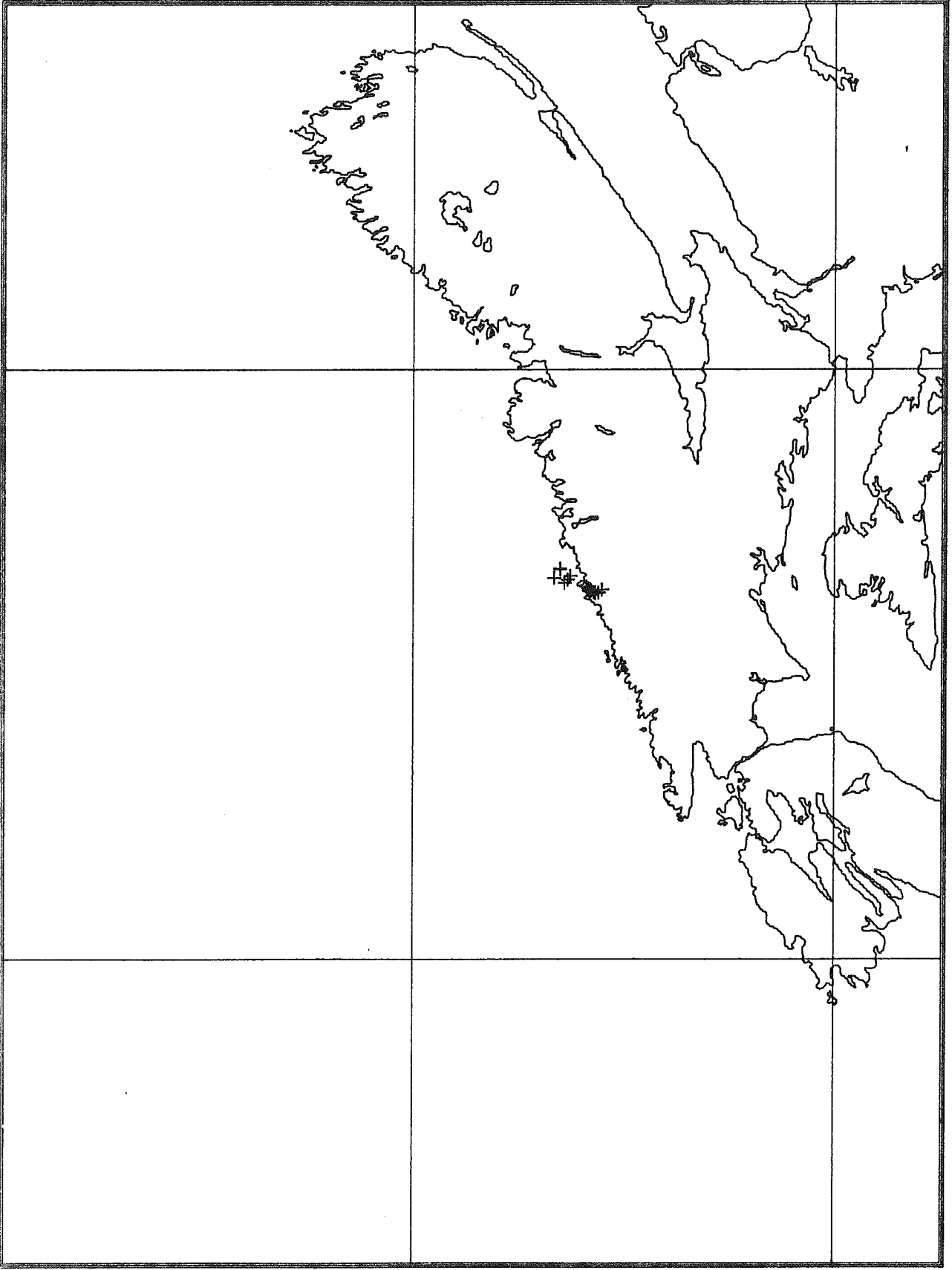
CRUISE 88018 PHASE13 - SENIOR SCIENTIST B. TAYLOR - VESSEL NAVICULA

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	45.52050	-60.88033	BAY OF ROCKS	39.00	284	1749	GRAB	VAN VEEN	
002	45.52150	-60.92717	BAY OF ROCKS	34.00	284	1810	GRAB	VAN VEEN	
003	45.52600	-60.96117	BAY OF ROCKS	23.00	284	1830	GRAB	VAN VEEN	
004	45.53950	-60.89833	BAY OF ROCKS	35.00	284	1851	GRAB	VAN VEEN	
005	45.55350	-60.91900	BAY OF ROCKS	9.00	284	1906	FAIL	VAN VEEN	
006	45.54383	-60.92217	BAY OF ROCKS	24.00	284	1915	GRAB	VAN VEEN	
007	45.54683	-60.91133	BAY OF ROCKS	20.00	284	1923	GRAB	VAN VEEN	
008	45.54617	-60.94750	BAY OF ROCKS	19.00	284	1946	GRAB	VAN VEEN	
009	45.52117	-60.92717	BAY OF ROCKS	34.00	284	2012	CORE	GRAVITY	98.0
010	45.60050	-60.89983	ST. PETERS BAY	38.00	288	1138	GRAB	VAN VEEN	
011	45.56733	-60.84083	ST. PETERS BAY	41.00	288	1202	GRAB	VAN VEEN	
012	45.56783	-60.84100	ST. PETERS BAY	41.00	288	1218	CORE	GRAVITY	23.0
013	45.55883	-60.61917	ST. PETERS BAY	57.00	288	1330	FAIL	VAN VEEN	
014	45.55900	-60.64550	ST. PETERS BAY	50.00	288	1349	GRAB	VAN VEEN	
015	45.55083	-60.68117	ST. PETERS BAY	57.00	288	1406	GRAB	VAN VEEN	
016	45.58350	-60.81633	ST. PETERS BAY	24.00	288	1501	GRAB	VAN VEEN	
017	45.58700	-60.78400	ST. PETERS BAY	18.00	288	1514	GRAB	VAN VEEN	
018	45.58250	-60.83500	ST. PETERS BAY	23.00	288	1534	GRAB	VAN VEEN	
019	45.60567	-60.91833	ST. PETERS BAY	22.00	288	1846	GRAB	VAN VEEN	
020	45.60617	-60.91867	ST. PETERS BAY	24.00	288	1855	CORE	GRAVITY	94.0

STATION LOCATIONS - 88018 PHASE14  
1:3,000,000 (MERCATOR, 45N)

64° 0' W

60° 0' W



46° 0' N

44° 0' N

42° 0' N

46° 0'

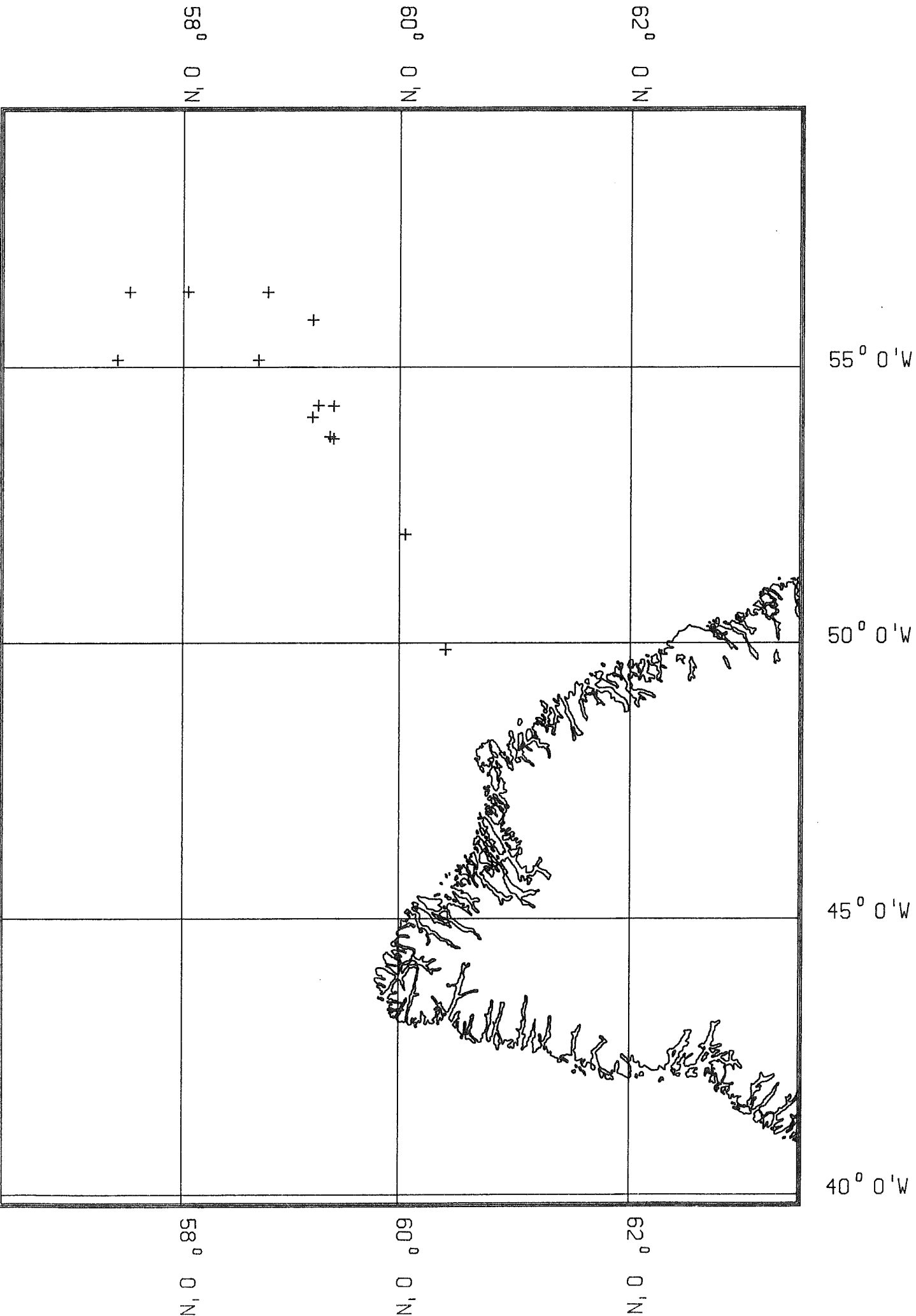
44° 0'

42° 0'

CRUISE 88018 PHASE14 - SENIOR SCIENTIST D.FROBEL - VESSEL NAVICULA

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	44.71067	-62.64433	POPE'S HARBOUR	48.00	292	1728	GRAB	VAN VEEN	
002	44.70883	-62.64933	POPE'S HARBOUR	47.00	292	1743	GRAB	VAN VEEN	
003	44.68100	-62.58683	POPE'S HARBOUR	72.00	292	1809	GRAB	VAN VEEN	
004	44.73117	-62.55417	POPE'S HARBOUR	52.00	292	1842	GRAB	VAN VEEN	
005	44.74667	-62.57483	POPE'S HARBOUR	44.00	292	1900	GRAB	VAN VEEN	
006	44.75950	-62.60000	POPE'S HARBOUR	36.00	292	1921	GRAB	VAN VEEN	
007	44.90950	-62.50733	SHEET HARBOUR	12.20	293	1621	CORE	GRAVITY	77.0
008	44.86983	-62.49033	SHEET HARBOUR	16.00	293	1649	CORE	GRAVITY	70.0
009	44.84850	-62.50667	SHEET HARBOUR	16.60	293	1714	CORE	GRAVITY	68.0
010	44.83600	-62.52750	SHEET HARBOUR	17.90	293	1744	GRAB	VAN VEEN	
011	44.84333	-62.51683	SHEET HARBOUR	15.00	293	1754	GRAB	VAN VEEN	
012	44.84617	-62.49950	SHEET HARBOUR	17.00	293	1806	GRAB	VAN VEEN	
013	44.85217	-62.49550	SHEET HARBOUR	17.50	293	1815	GRAB	VAN VEEN	
014	44.85467	-62.49883	SHEET HARBOUR	17.00	293	1822	GRAB	VAN VEEN	
015	44.85767	-62.50200	SHEET HARBOUR	16.50	293	1829	GRAB	VAN VEEN	
016	44.87567	-62.49150	SHEET HARBOUR	15.50	293	1846	GRAB	VAN VEEN	
017	44.87667	-62.48733	SHEET HARBOUR	19.00	293	1853	GRAB	VAN VEEN	
018	44.87650	-62.48267	SHEET HARBOUR	12.00	293	1903	GRAB	VAN VEEN	
019	44.89333	-62.48617	SHEET HARBOUR	16.80	293	1915	GRAB	VAN VEEN	

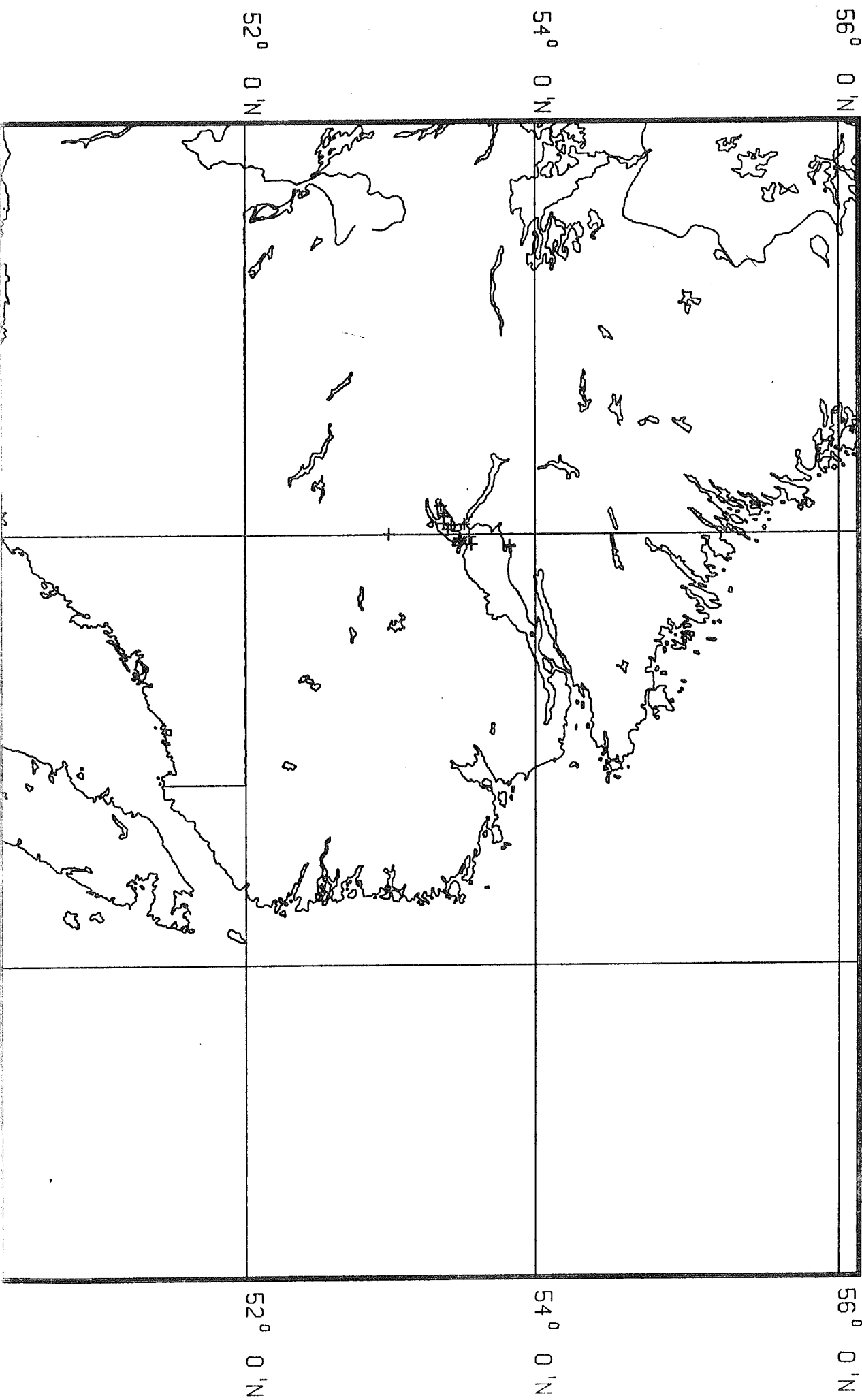
STATION LOCATIONS - 88024  
1:5,000,000 (MERCATOR, 59N)



STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	57.36883	-55.12817	LABRADOR SLOPE	3054.00	205	1425	CORE	TRIGGER WEIGHT	100.0
001	57.36883	-55.12817	LABRADOR SLOPE	3054.00	205	1425	CORE	AGC WIDE MOUTH	785.0
002	58.70650	-55.12750	LABRADOR SLOPE	3220.00	206	1010	CORE	TRIGGER WEIGHT	112.0
002	58.70650	-55.12750	LABRADOR SLOPE	3220.00	206	1010	CORE	AGC WIDE MOUTH	735.0
003	59.36367	-53.74000	NAMOC	3266.00	206	2110	FAIL	AGC WIDE MOUTH	0.0
003	59.36367	-53.74000	NAMOC	3266.00	206	2110	CORE	TRIGGER WEIGHT	136.0
004	59.20483	-54.09450	NAMOC	3266.00	207	1330	CORE	TRIGGER WEIGHT	154.0
004	59.20483	-54.09450	NAMOC	3266.00	207	1330	CORE	AGC WIDE MOUTH	621.0
005	59.39883	-53.70117	NAMOC	3250.00	207	1925	CORE	AGC WIDE MOUTH	992.0
005	59.39883	-53.70117	NAMOC	3250.00	207	1925	CORE	TRIGGER WEIGHT	131.0
006	60.05300	-51.96783	NAMOC	3291.00	208	1020	CORE	AGC WIDE MOUTH	35.0
006	60.05300	-51.96783	NAMOC	3291.00	208	1020	CORE	TRIGGER WEIGHT	730.0
007	60.41400	-49.87667	GREENLAND SLOPE	2889.00	214	1353	FAIL	AGC WIDE MOUTH	1023.0
007	60.41400	-49.87667	GREENLAND SLOPE	2889.00	214	1353	FAIL	TRIGGER WEIGHT	20.0
008	59.25917	-54.30400	NAMOC	3250.00	218	1300	CORE	AGC WIDE MOUTH	916.0
008	59.25917	-54.30400	NAMOC	3250.00	218	1300	FAIL	TRIGGER WEIGHT	171.0
009	59.39900	-54.29617	NAMOC	3237.00	218	1805	CORE	AGC WIDE MOUTH	58.0
009	59.39900	-54.29617	NAMOC	3237.00	218	1805	CORE	TRIGGER WEIGHT	1109.0
010	59.20783	-55.85517	NAMOC	3131.00	219	1455	CORE	AGC WIDE MOUTH	165.0
010	59.20783	-55.85517	NAMOC	3131.00	219	1455	CORE	TRIGGER WEIGHT	962.0
011	58.79167	-56.35850	LABRADOR SLOPE	3025.00	220	1120	CORE	AGC WIDE MOUTH	110.0
011	58.79167	-56.35850	LABRADOR SLOPE	3025.00	220	1120	CORE	TRIGGER WEIGHT	1000.0
012	58.04633	-56.36517	LABRADOR SLOPE	2946.00	220	1120	CORE	AGC WIDE MOUTH	
012	58.04633	-56.36517	LABRADOR SLOPE	2946.00	220	1120	CORE	TRIGGER WEIGHT	
013	57.48500	-56.35900	LABRADOR SLOPE	2798.00	220	1922	CORE	AGC WIDE MOUTH	
013	57.48500	-56.35900	LABRADOR SLOPE	2798.00	220	1922	CORE	TRIGGER WEIGHT	

STATION LOCATIONS - 88030  
1:4,000,000 (MERCATOR, 53N)

60° 0' W  
55° 0' W



CRUISE 88030 - SENIOR SCIENTIST C. SCHAFER - VESSEL CSS DAWSON

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	53.48917	-59.95100	LAKE MELVILLE	60.00	226	1345	CORE	TRIGGER	60.9
001	53.48917	-59.95100	LAKE MELVILLE	60.00	226	1345	CORE	WEIGHT	668.8
002	53.49050	-59.95100	LAKE MELVILLE	40.00	226	1723	CORE	PISTON	638.5
003	53.48717	-59.95033	LAKE MELVILLE	62.00	227	1630	CORE	TRIGGER	109.2
003	53.48717	-59.95033	LAKE MELVILLE	62.00	227	1630	CORE	WEIGHT	152.0
004	53.48800	-59.94100	LAKE MELVILLE	57.00	227	1740	CORE	PISTON	96.5
005	53.48333	-59.92917	LAKE MELVILLE	40.00	226	1955	CORE	LEHIGH	43.2
006	53.48533	-59.92700	LAKE MELVILLE	38.00	226	1845	CORE	PISTON	456.0
007	53.49517	-59.92867	LAKE MELVILLE	18.00	227	1820	CORE	TRIGGER	30.5
007	53.49517	-59.92867	LAKE MELVILLE	18.00	227	1820	CORE	WEIGHT	577.6
008	53.49350	-59.91183	LAKE MELVILLE	20.00	227	1940	CORE	PISTON	76.2
009	53.00050	-60.00350	LAKE MELVILLE	71.00	227	1510	CORE	PISTON	527.5
009	53.00050	-60.00350	LAKE MELVILLE	71.00	227	1510	CORE	TRIGGER	91.4
009	53.00050	-60.00350	LAKE MELVILLE	71.00	227	1510	CORE	WEIGHT	304.0
010	53.55467	-59.96817	LAKE MELVILLE	110.00	227	1350	CORE	PISTON	83.8
011	53.56817	-59.88383	LAKE MELVILLE	152.00	227	1245	CORE	TRIGGER	707.8
011	53.56817	-59.88383	LAKE MELVILLE	152.00	227	1245	CORE	WEIGHT	104.0
011	53.56817	-59.88383	LAKE MELVILLE	152.00	227	1245	CORE	PISTON	707.8
014	53.52000	-60.11583	LAKE MELVILLE	20.00	226	2140	CORE	LEHIGH	166.7
015	53.49183	-59.91667	LAKE MELVILLE	60.00	228	1550	CORE	PISTON	81.3
017	53.82583	-59.85050	LAKE MELVILLE	50.00	228	1730	CORE	LEHIGH	70.0
018	53.82633	-59.85833	LAKE MELVILLE	50.00	228	1624	CORE	LEHIGH	124.0
019	53.82500	-59.87333	LAKE MELVILLE	40.00	228	1752	CORE	PISTON	486.0
020	53.82850	-60.05700	LAKE MELVILLE	55.00	229	1400	CORE	LEHIGH	70.0
022	53.40833	-60.05700	LAKE MELVILLE	50.00	229	1515	CORE	LEHIGH	124.0
024	53.40383	-60.05517	LAKE MELVILLE	54.00	229	1535	CORE	LEHIGH	40.6
025	53.43000	-60.10750	LAKE MELVILLE	42.00	229	1600	CORE	LEHIGH	100.0
026	53.37667	-60.12517	LAKE MELVILLE	40.00	229	1625	FAIL	LEHIGH	110.0
027	53.38000	-60.20750	LAKE MELVILLE	22.00	229	1652	CORE	LEHIGH	110.0
028	53.37583	-60.24333	LAKE MELVILLE	50.00	229	1830	CORE	LEHIGH	110.0
029	53.35750	-60.33250	LAKE MELVILLE	38.00	229	1830	CORE	LEHIGH	110.0



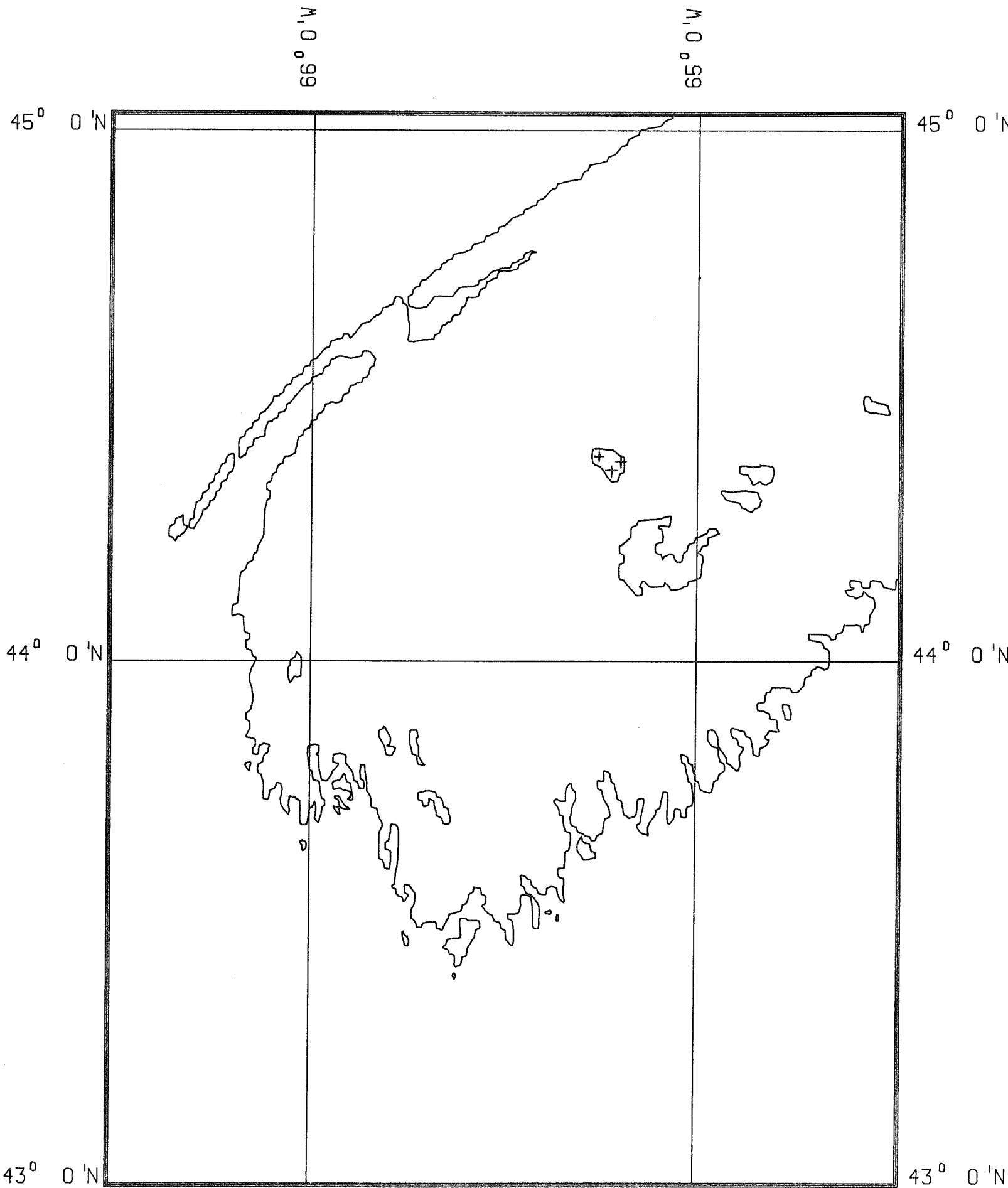


CRUISE 88038 - SENIOR SCIENTIST C.PEIRERA (MUN) - VESSEL CSS DAWSON

1

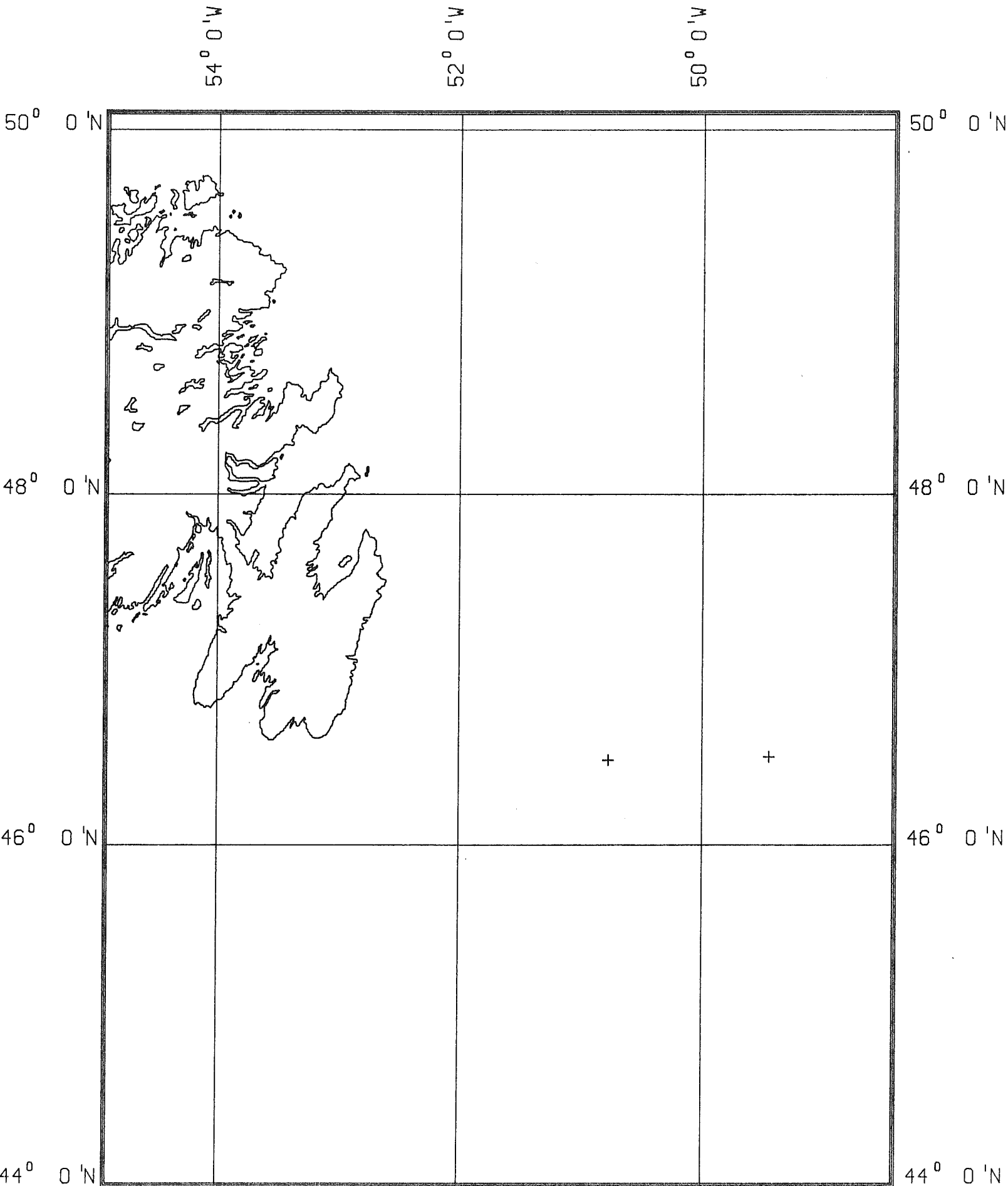
STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	46.82583	-44.09167	EAST FLEMISH CAP	379.00	297	1944	CORE	BOX	
002	46.81967	-44.10817	EAST FLEMISH CAP	379.00	297	2027	PLANKTON	VERTICAL TOW	
003	46.81917	-44.10883	EAST FLEMISH CAP	379.00	297	2053	WATER	CTD	
004	47.11100	-43.67033	EAST FLEMISH CAP	729.00	298	1554	FAIL	BOX	
005	47.10800	-43.66917	EAST FLEMISH CAP	725.00	298	1645	CORE	BOX	
006	47.11550	-43.66800	EAST FLEMISH CAP	728.00	298	1705	PLANKTON	VERTICAL TOW	
007	47.10917	-43.67067	EAST FLEMISH CAP	728.00	298	1744	WATER	CTD	
008	47.50067	-46.13417	FLEMISH PASS	672.00	300	724	PLANKTON	VERTICAL TOW	
009	47.50200	-46.13433	FLEMISH PASS	677.00	300	750	WATER	CTD	
010	47.50167	-46.13017	FLEMISH PASS	677.00	300	830	CORE	BOX	
011	47.40867	-46.38783	FLEMISH PASS	845.00	300	1029	CORE	GRAVITY	
012	47.40183	-46.39817	FLEMISH PASS	838.00	300	1140	CORE	PISTON	
013	45.64850	-57.23317	LAURENTIAN CHANNEL	430.00	303		TEST	LATERAL STRESS	23.0
014	43.89550	-62.79867	EMERALD BASIN	242.00	304	1428	FAIL	TOOL	
015	43.88817	-62.80367	EMERALD BASIN	242.00	304	1455	PLANKTON	GRAVITY	100.0
016	43.88550	-62.79450	EMERALD BASIN	242.00	304	1516	WATER	VERTICAL TOW	
017	44.28583	-63.35667	EMERALD BASIN	125.00	304	1939	GRAB	CTD	
								VAN VEEN	

STATION LOCATIONS - 88101  
1:1,000,000 (MERCATOR, 44N)



STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	44.30333	-65.34000	BEAVERSKIN LAKE, KEJIMUJIK NAT, PARK	120.00	49	1135	CORE	LEHIGH	42.0
002	44.30333	-65.34000	BEAVERSKIN LAKE, KEJIMUJIK NAT, PARK	120.00	49	1230	CORE	LEHIGH	74.0
003	44.32333	-65.27500	MOUNTAIN LAKE, KEJIMUJIK NAT, PARK	120.00	49	1430	CORE	LEHIGH	65.0
004	44.32333	-65.27500	MOUNTAIN LAKE, KEJIMUJIK NAT, PARK	120.00	50	1015	CORE	LEHIGH	50.0
005	44.36167	-65.35000	LUXTON LAKE, KEJIMUJIK NAT, PARK	135.00	50	1200	CORE	LEHIGH	64.0
006	44.36167	-65.35000	LUXTON LAKE, KEJIMUJIK NAT, PARK	135.00	50	1300	CORE	LEHIGH	90.0

STATION LOCATIONS - 88108  
1:3,000,000 (MERCATOR, 47N)



CRUISE 88108 - SENIOR SCIENTIST R. PARROT - VESSEL CSS NEEDLER

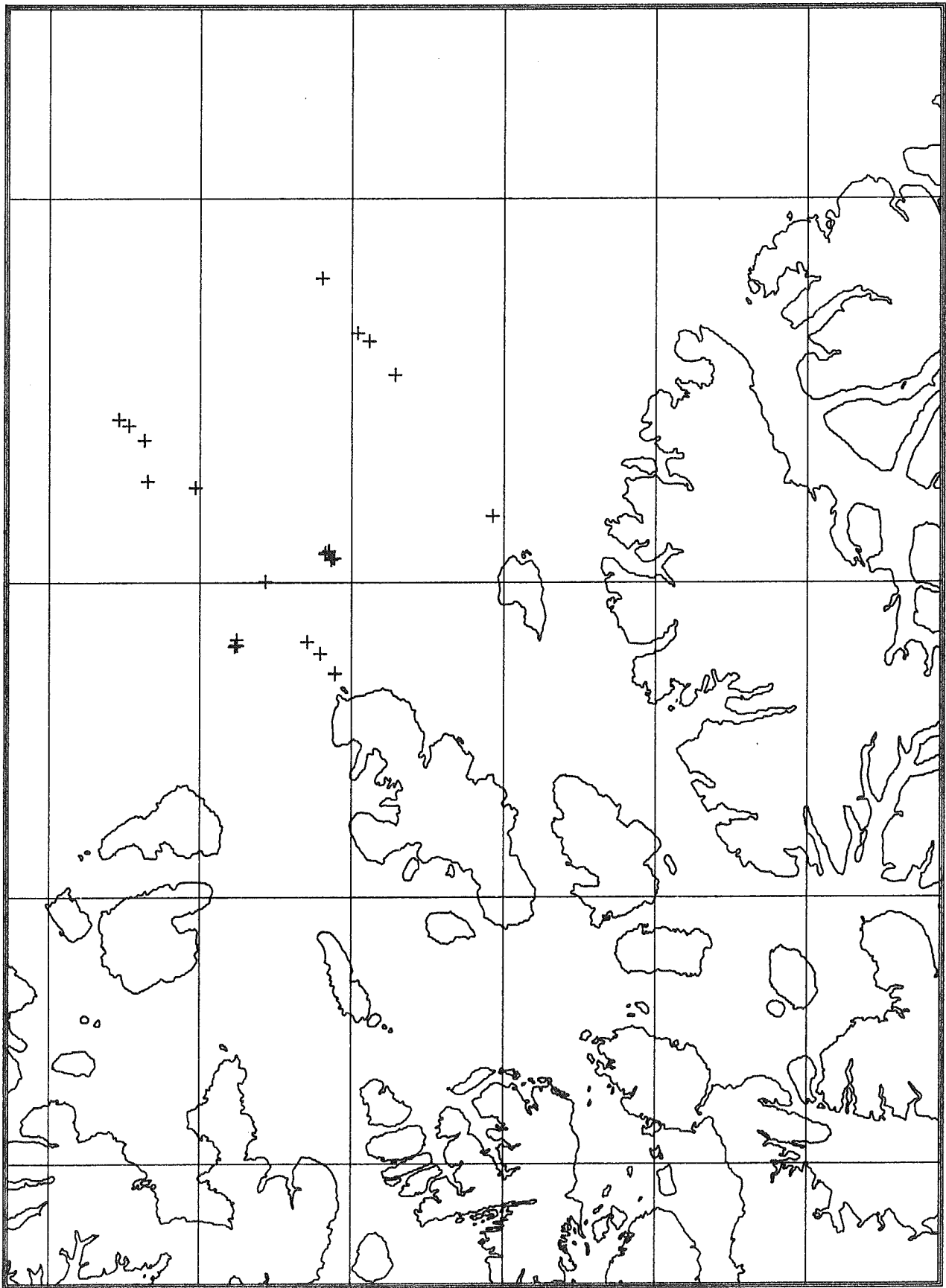
STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	46.49033	-50.77283	GRAND BANKS	77.00	260	100	GRAB	VAN VEEN	
002	46.49033	-50.77250	GRAND BANKS	74.00	260		GRAB	VAN VEEN	
003	46.50933	-49.44317	GRAND BANKS	69.50	264	1414	GRAB	VAN VEEN	

STATION LOCATIONS - 88200  
1:4,000,000 (MERCATOR, 79N)

115° 0' W      110° 0' W      105° 0' W      100° 0' W      95° 0' W      90° 0' W

82° 0' N  
80° 0' N  
78° 0' N  
76° 0' N  
75° 0' N

82° 0' N  
80° 0' N  
78° 0' N  
76° 0' N  
75° 0' N



STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	80,13133	-105,67133	ARCTIC OCEAN	427.00	95	2021	GRAB	VANVEEN	
002	80,13083	-105,66583	ARCTIC OCEAN	425.00	96	1534	CORE	PISTON	122.0
003	80,16417	-105,86200	PEARY CHANNEL,	431.50	98	2120	GRAB	SHIPEK	
004	80,16667	-105,86683	ARCTIC OCEAN PEARY CHANNEL,	424.00	99	16	CORE	PISTON	242.0
005	80,17283	-105,85233	ARCTIC OCEAN PEARY CHANNEL,	430.00	99	1615	CAMERA	UMEL	
006	80,17417	-105,75333	ARCTIC OCEAN PEARY CHANNEL,	423.00	101	1642	GRAB	SHIPEK	
007	80,17533	-105,75283	ARCTIC OCEAN PEARY CHANNEL,	424.00	101	1755	CORE	GRAVITY	14.0
008	80,18200	-105,73750	ARCTIC OCEAN PEARY CHANNEL,	418.00	101	2221	CORE	PISTON	38.0
009	80,00617	-107,83550	ELLEF RINGNES BANK , ARCTIC OCEAN	441.00	103	1700	GRAB	DIETZ LAFONDE	
010	80,00617	-107,83550	ELLEF RINGNES BANK , ARCTIC OCEAN	441.00	103	1747	CORE	GRAVITY	24.0
011	81,13667	-103,57167	MEIGHEN BANK, ARCTIC OCEAN	458.00	104	1500	GRAB	DIETZ LAFONDE	
011	81,13667	-103,57167	MEIGHEN BANK, ARCTIC OCEAN	458.00	104	1530	CORE	GRAVITY	30.0
012	81,30833	-104,43000	MEIGHEN SHELF, ARCTIC OCEAN	597.00	104	1630	GRAB	DIETZ LAFONDE	
012	81,30833	-104,43000	MEIGHEN SHELF, ARCTIC OCEAN	597.00	104	1700	CORE	GRAVITY	73.0
014	81,34833	-104,80500	MEIGHEN SLOPE, ARCTIC OCEAN	874.00	104	1930	CORE	GRAVITY	55.0
014	81,34833	-104,80500	MEIGHEN SLOPE, ARCTIC OCEAN	874.00	104	1900	GRAB	DIETZ LAFONDE	
015	81,62000	-105,97167	MEIGHEN SLOPE, ARCTIC OCEAN	1818.00	104	2200	GRAB	DIETZ LAFONDE	
016	81,62000	-105,97167	MEIGHEN SLOPE, ARCTIC OCEAN	1818.00	104	2400	CORE	GRAVITY	27.0
017	80,37833	-100,36667	MEIGHEN BANK, ARCTIC OCEAN	102.00	105	100	GRAB	DIETZ LAFONDE	
018	80,14133	-105,59367	PEARY CHANNEL, ARCTIC OCEAN	417.00	105	100	GRAB	SHIPEK	
019	80,14133	-105,59167	PEARY CHANNEL, ARCTIC OCEAN	420.00	105	205	GRAB	VAN VEEN	
020	80,87000	-112,35000	ELLEF RINGNES BANK , ARCTIC OCEAN	1831.00	106	1550	GRAB	DIETZ LAFONDE	
021	80,90200	-112,69150	ELLEF RINGNES BANK , ARCTIC OCEAN	1831.00	106	1658	CORE	GRAVITY	21.0
022	80,90283	-112,68217	ELLEF RINGNES BANK , ARCTIC OCEAN	1831.00	106	1808	CORE	GRAVITY	80.0
023	80,57100	-111,73450	ELLEF RINGNES BANK , ARCTIC OCEAN	1058.00	106	2030	GRAB	DIETZ LAFONDE	



STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
024	80.57100	-111.73450	ELLEF RINGNES BANK , ARCTIC OCEAN	1060.00	106	2115	CORE	GRAVITY	29.0
025	80.53683	-110.14600	ELLEF RINGNES BANK , ARCTIC OCEAN	501.00	106	2248	GRAB	DIETZ LAFONDE GRAVITY	
026	80.53467	-110.14817	ELLEF RINGNES BANK , ARCTIC OCEAN	501.00	106	2330	CORE		51.0
027	79.65000	-106.45167	ELLEF RINGNES BANK , ARCTIC OCEAN	221.00	107	1730	GRAB	DIETZ	
028	79.65000	-106.45167	ELLEF RINGNES BANK , ARCTIC OCEAN	220.00	107	1730	CORE	LAFONDE GRAVITY	22.0
029	79.57883	-106.02367	ELLEF RINGNES BANK , ARCTIC OCEAN	155.00	107	1815	GRAB	DIETZ	
030	79.57883	-106.02367	ELLEF RINGNES BANK , ARCTIC OCEAN	155.00	107	1820	SNOW/ ICE	LAFONDE AUGER	
030	79.57883	-106.02367	ELLEF RINGNES BANK , ARCTIC OCEAN	155.00	107	1915	CORE	GRAVITY	37.0
031	79.46183	-105.53983	ELLEF RINGNES BANK , ARCTIC OCEAN	70.00	107	1915	GRAB	DIETZ	
032	79.45500	-105.54500	ELLEF RINGNES BANK , ARCTIC OCEAN	77.00	107	1930	CORE	LAFONDE GRAVITY	1.0
032	79.45500	-105.54500	ELLEF RINGNES BANK , ARCTIC OCEAN	77.00	107	1920	SNOW/ ICE	AXE	
033	80.79300	-111.84100	ELLEF RINGNES BANK , ARCTIC OCEAN	1505.00	107	2200	GRAB	DIETZ	
034	80.79300	-111.84100	ELLEF RINGNES BANK , ARCTIC OCEAN	1505.00	107	2330	CORE	LAFONDE GRAVITY	12.0
035	80.79217	-111.84250	ELLEF RINGNES BANK , ARCTIC OCEAN	1505.00	108	100	CORE	GRAVITY	12.0
036	80.14050	-105.57000	PEARY CHANNEL, ARCTIC OCEAN	429.00	108	1835	CORE	PISTON	149.0
037	80.14050	-105.57000	PEARY CHANNEL, ARCTIC OCEAN	424.00	108	2145	GRAB	VAN VEEN	
038	79.62167	-108.85167	GUSTAF-ADOLF SEA, AMUNDSEN CHANNEL	513.00	178	2016	GRAB	VAN VEEN	
039	79.62867	-108.81833	AMUNDSEN CHANNEL, ARCTIC OCEAN	509.00	179	39	CORE	GRAVITY	53.0
040	79.63200	-108.78833	AMUNDSEN CHANNEL, ARCTIC OCEAN	512.00	179	2220	CORE	PISTON	69.0
041	79.63200	-108.78833	AMUNDSEN CHANNEL, CANADIAN POLAR MARGIN	513.00	180	1357	GRAB	VAN VEEN	
042	79.63050	-108.78250	AMUNDSEN CHANNEL, CANADIAN POLAR MARGIN	513.00	181	2200	FAIL	PISTON	0.0
043	79.63000	-108.77967	AMUNDSEN CHANNEL, CANADIAN POLAR MARGIN	513.00	182	1402	CORE	PISTON	133.0
044	79.63000	-108.77967	AMUNDSEN CHANNEL, CANADIAN POLAR MARGIN	513.00	182	1839	CORE	GRAVITY	20.0

## CRUISE 88200 - SENIOR SCIENTIST P. MUDIE - VESSEL ICE ISLAND

3

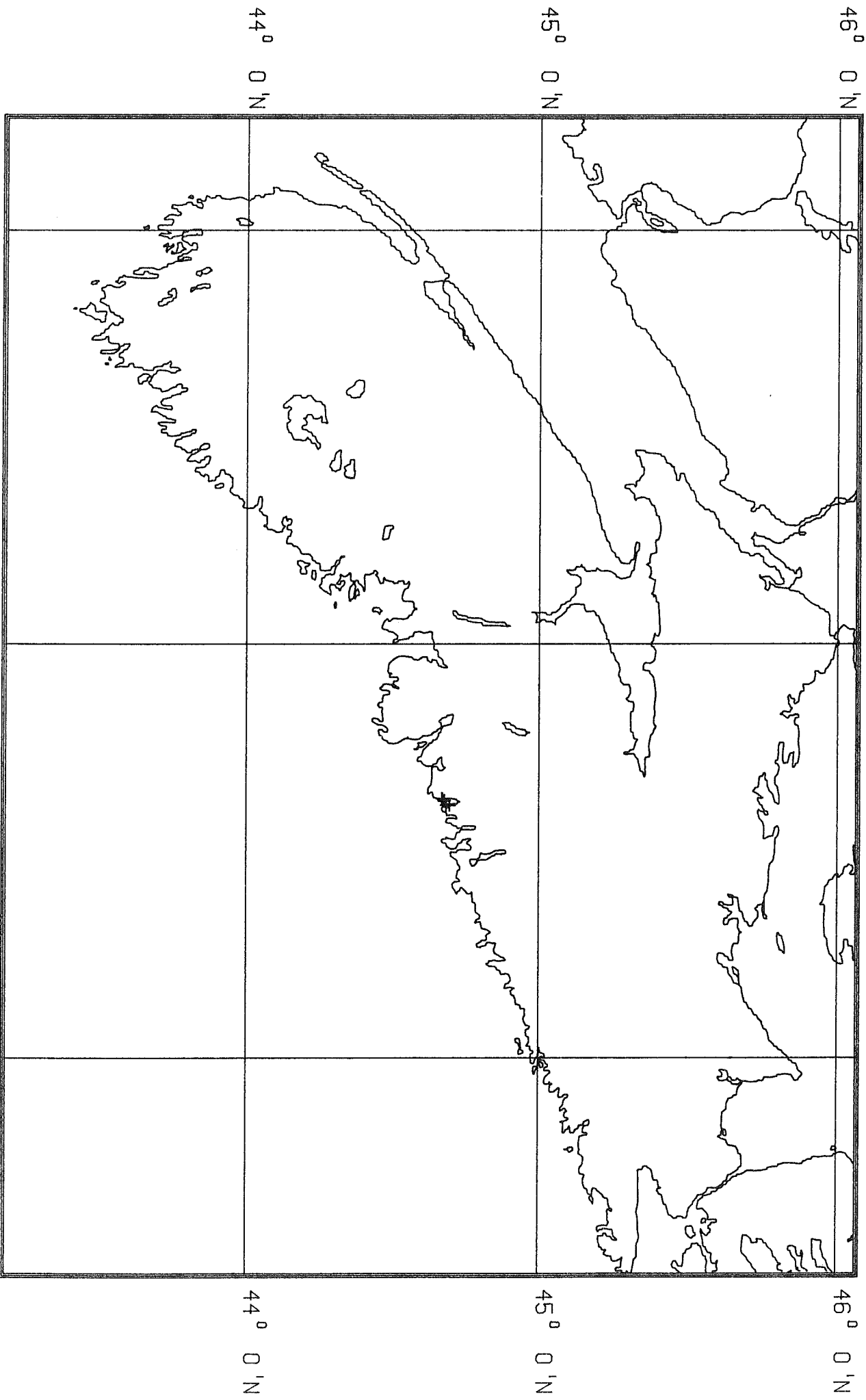
STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
045	79.62967	-108.78000	AMUNDSEN CHANNEL, CANADIAN POLAR CHANNEL	519.00	183	2100	PLANKTON NET		
046	79.63000	-108.78000	AMUNDSEN CHANNEL, CANADIAN POLAR MARGIN	519.00	184	130	SNOW/ ICE	BUCKET	
047	79.63000	-108.78000	AMUNDSEN CHANNEL, CANADIAN POLAR MARGIN	519.00	184	2000	SNOW/ ICE	BUCKET	
048	79.63000	-108.78000	AMUNDSEN CHANNEL, CANADIAN POLAR MARGIN	519.00	185	100	SNOW/ ICE	BUCKET	
049	79.63000	-108.78000	AMUNDSEN CHANNEL, CANADIAN POLAR MARGIN	519.00	185	1616	CORE	PISTON	89.0
050	79.63000	-108.78000	AMUNDSEN CHANNEL, CANADIAN POLAR MARGIN	519.00	185	1855	CORE	GRAVITY	32.0
051	79.63000	-108.78000	AMUNDSEN CHANNEL, CANADIAN POLAR MARGIN	519.00	185	2100	GRAB WATER	VAN VEEN CURRENT METER	
052	79.66333	-108.78000	AMUNDSEN CHANNEL, CANADIAN POLAR MARGIN	519.00	186	1645	GRAB WATER	VAN VEEN CURRENT METER	

STATION LOCATIONS - 88301  
1:2,000,000 (MERCATOR, 44N)

66° 0' W

64° 0' W

62° 0' W

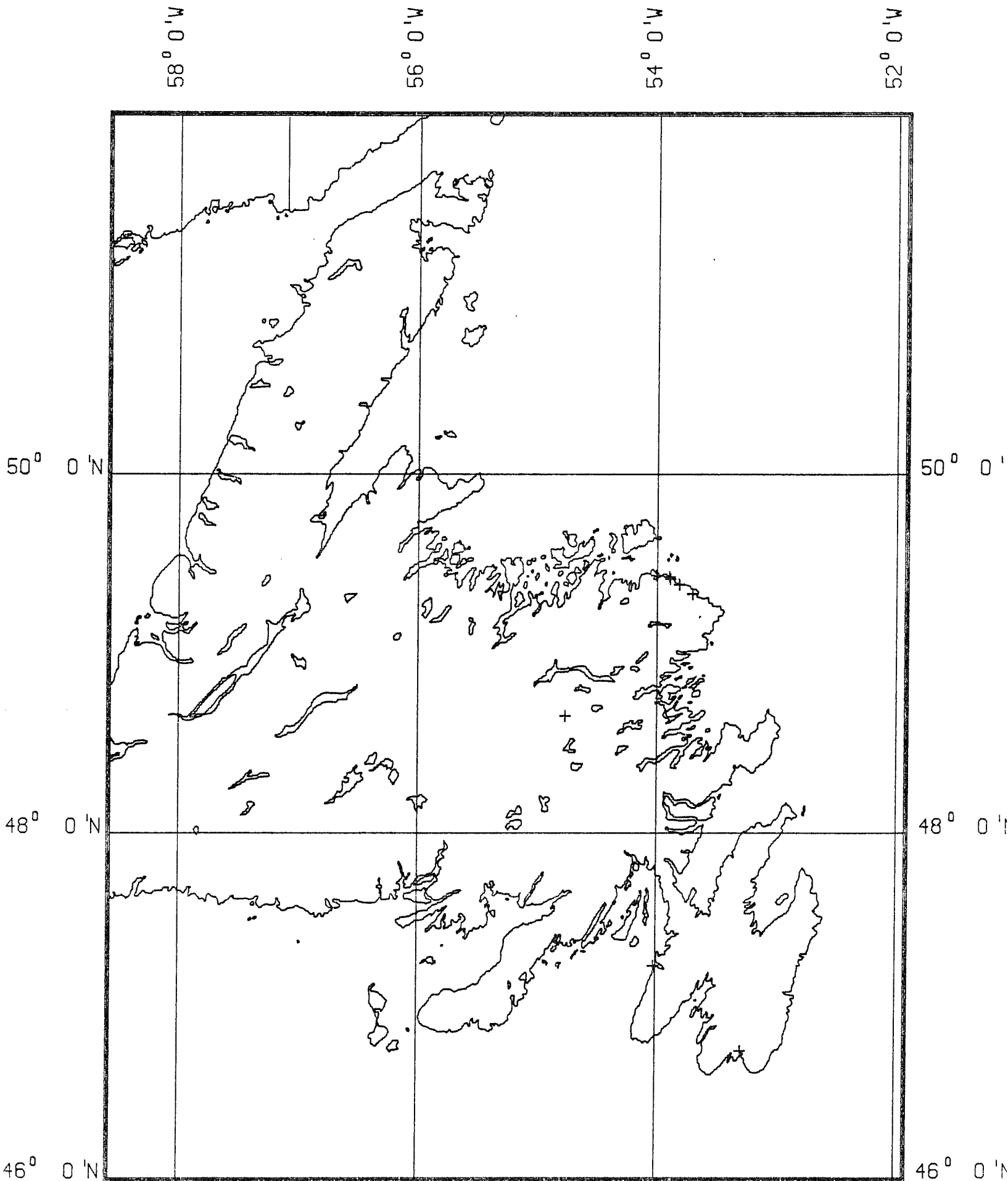


## CRUISE 88301 - SENIOR SCIENTISTS D.FORRES, J.SHAM

1

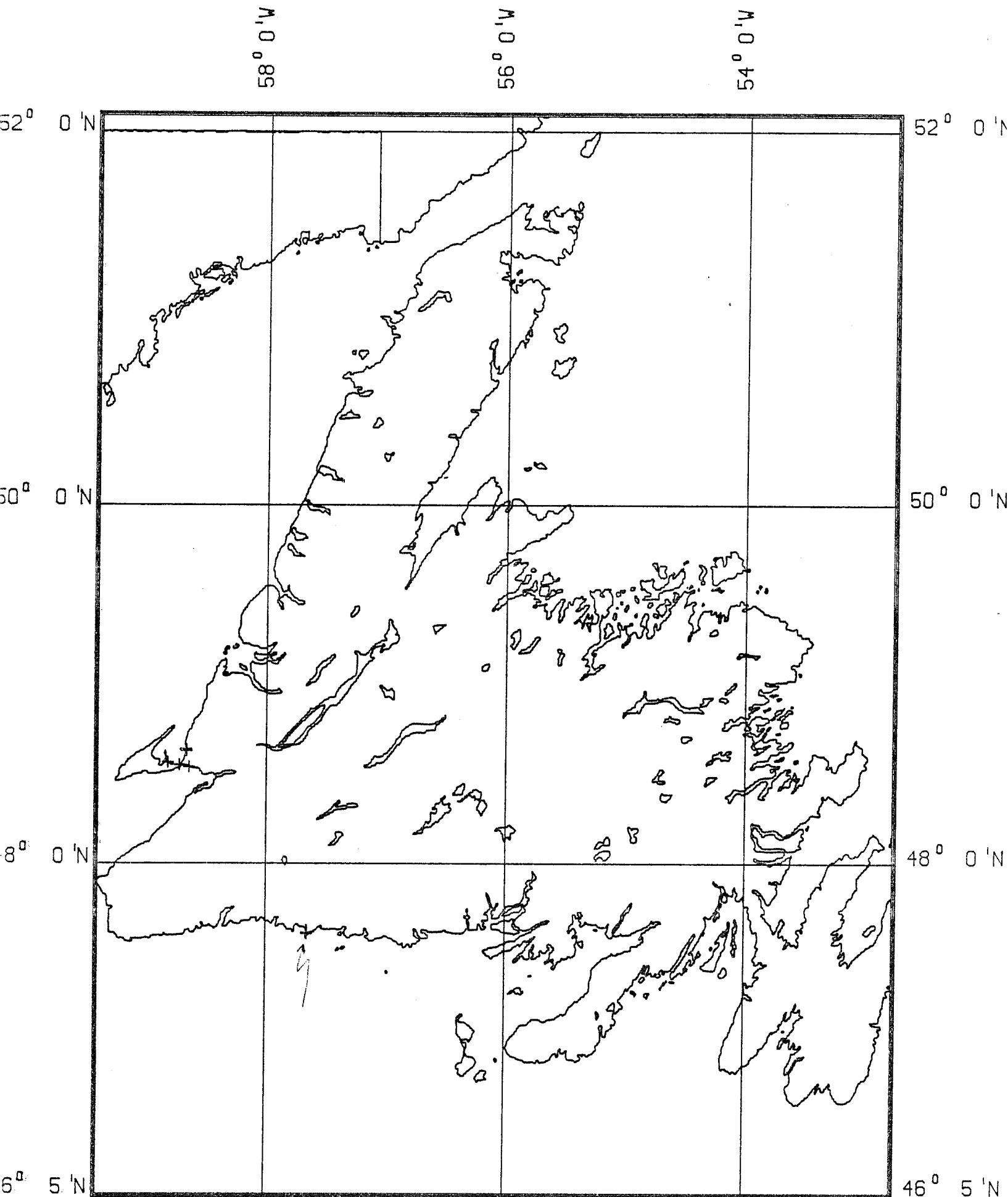
STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	44.67333	-63.25117	EASTERN SHORE,N.S.	1.00	244		CORE	VIBRACORE	177.5
002	44.67167	-63.25300	EASTERN SHORE,N.S.		244		FAIL	VIBRACORE	0.0
003	44.68000	-63.24433	EASTERN SHORE,N.S.	0.70	244		CORE	VIBRACORE	180.0
004	44.68033	-63.24250	EASTERN SHORE,N.S.		245		CORE	VIBRACORE	263.0
005	44.68033	-63.24067	EASTERN SHORE,N.S.		245		CORE	VIBRACORE	111.0
006	44.69733	-63.22667	EASTERN SHORE,N.S.		245		CORE	VIBRACORE	333.0
007	44.69733	-63.21967	EASTERN SHORE,N.S.	0.35	246		CORE	VIBRACORE	478.0
008	44.68617	-63.22067	EASTERN SHORE,N.S.		246		CORE	VIBRACORE	99.0

STATION LOCATIONS - 88302  
1:3,000,000 (MERCATOR, 48N)



STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	ELEVATION (METERS ASL)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
8805-001	47.23800	-54.01750	CAPE VERDE, NFLD.	25.00	142	1930	LAND	TROWEL	
8805-002	47.23800	-54.01750	CAPE VERDE, NFLD.	25.00	142	1930	LAND	TROWEL	
8805-003	47.23800	-54.01750	CAPE VERDE, NFLD.	25.00	142	2030	LAND	TROWEL	
8805-004	47.23800	-54.01750	CAPE VERDE, NFLD.	25.00	142	2030	LAND	TROWEL	
8805-005	47.23800	-54.01750	CAPE VERDE, NFLD.	25.00	142	2030	LAND	TROWEL	
8805-006	47.23800	-54.01750	CAPE VERDE, NFLD.	25.00	142	2030	LAND	TROWEL	
8805-007	46.74500	-53.28883	BISCAY BAY, NFLD.	1.30	143	2100	LAND	TROWEL	
8805-008	46.74500	-53.28883	BISCAY BAY, NFLD.	1.40	143	2130	LAND	TROWEL	
8805-009	48.66083	-54.76167	EASTPORT BEACH, NFLD.	1.43	147	1830	CORE	HILLER	445.0
8805-010	48.66083	-54.76167	EASTPORT BEACH, NFLD.	0.00	147	2030	LAND	TROWEL	
8805-011	48.66083	-54.76167	EASTPORT BEACH, NFLD.	1.70	147	2030	LAND	TROWEL	
8805-012	49.42417	-53.89000	DOTTING COVE, NFLD.	1.50	148	1330	LAND	TROWEL	
8805-013	49.42417	-53.89000	DOTTING COVE, NFLD.	1.70	148	1330	LAND	TROWEL	
8805-014	49.43567	-53.90000	DOTTING COVE, NFLD.	1.00	148	1430	LAND	TROWEL	
8805-015	49.43567	-53.90000	DOTTING COVE, NFLD.	1.10	148	1430	LAND	TROWEL	
8805-016	49.43567	-53.90000	DOTTING COVE, NFLD.	1.80	148	1430	LAND	TROWEL	
8805-017	49.43567	-53.90000	DOTTING COVE, NFLD.	1.40	148	1430	LAND	TROWEL	
8805-018	49.43567	-53.90000	DOTTING COVE, NFLD.	2.05	148	1430	LAND	TROWEL	
8805-019	49.43567	-53.90000	DOTTING COVE, NFLD.	1.20	148	1430	LAND	TROWEL	
8805-020	49.43567	-53.90000	DOTTING COVE, NFLD.	1.10	148	1500	LAND	TROWEL	
8805-021	49.43567	-53.90000	DOTTING COVE, NFLD.	0.85	148	1530	LAND	TROWEL	
8805-022	49.43567	-53.90000	DOTTING COVE, NFLD.	1.00	148	1530	LAND	TROWEL	
8805-023	49.43567	-53.90000	DOTTING COVE, NFLD.	0.90	148	1545	LAND	TROWEL	
8805-024	49.43567	-53.90000	DOTTING COVE, NFLD.	0.00	148	1630	LAND	TROWEL	
8805-025	49.34333	-53.70500	DEADMAN'S BAY, NFLD.	2.00	149	1200	LAND	TROWEL	
8805-026	49.34333	-53.70500	DEADMAN'S BAY, NFLD.	1.30	149	1500	LAND	TROWEL	
8805-027	49.34067	-53.70417	DEADMAN'S BAY, NFLD.	1.50	149	1730	CORE	HILLER	175.0
8805-028	49.34067	-53.70417	DEADMAN'S BAY, NFLD.	0.20	149	1900	CORE	HILLER	5.0
8805-029	49.39500	-53.81667	SHALLOWAY BROOK, NFLD.	0.00	149	2120	LAND	TROWEL	
8805-030	49.39167	-53.81333	SHALLOWAY BROOK, NFLD.	3.90	149	2200	LAND	TROWEL	
8805-031	49.44250	-54.00667	RAGGED HARBOUR COVE, NFLD.	1.50	150	1600	CORE	HILLER	7.0
8805-032	49.44250	-54.00667	RAGGED HARBOUR COVE, NFLD.	1.50	150	1800	LAND	TROWEL	
8805-033	49.44250	-54.00667	RAGGED HARBOUR COVE, NFLD.	1.50	150	1810	LAND	TROWEL	
8805-034	49.44250	-54.00667	RAGGED HARBOUR COVE, NFLD.	1.50	150	1815	LAND	TROWEL	

STATION LOCATIONS - 88303  
1:3,000,000 (MERCATOR, 48N)



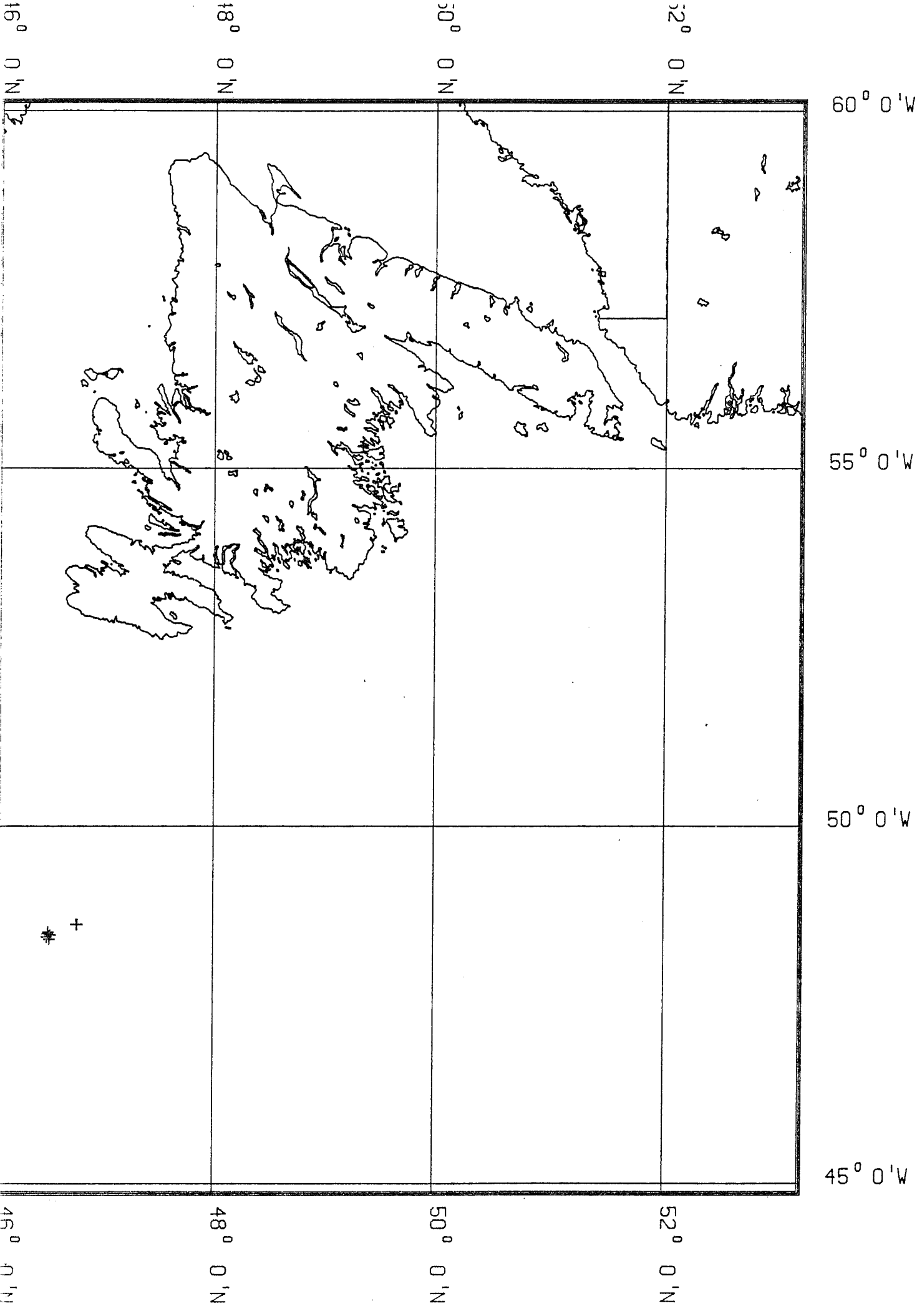
## CRUISE 88303 - SENIOR SCIENTISTS D.FORBES AND J.SHAW

1

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CH)
001	47.60000	-57.65333	BURGED, S.W. NFLD.	0.00	219	1700	LAND	TROWEL	
002	47.60000	-57.65333	BURGED, S.W. NFLD.	0.00	219	1730	LAND	TROWEL	
003	47.60000	-57.65333	BURGED, S.W. NFLD.	0.00	219	1730	LAND	TROWEL	
004	47.60000	-57.65333	BURGED, S.W. NFLD.	0.00	219	1745	LAND	TROWEL	
005	48.54467	-58.64500	KLIPPENS, S.W. NFLD.	0.00	220	1030	LAND	TROWEL	
006	48.55583	-58.72583	PORT AU PORT, S.W. NFLD.	0.00	220	1300	LAND	TROWEL	
007	48.64417	-58.66750	TWO GUTS POND, S.W. NFLD.	0.00	220	1530	LAND	TROWEL	
008	48.64417	-58.67000	TWO GUTS POND, S.W. NFLD.	0.00	220	1532	LAND	TROWEL	
009	48.64417	-58.67167	TWO GUTS POND, S.W. NFLD.	0.00	220	1535	LAND	TROWEL	
010	48.64417	-58.67250	TWO GUTS POND BARRIER, S.W. NFLD.	0.00	220	1532	LAND	TROWEL	
011	48.64417	-58.67300	TWO GUTS POND, S.W. NFLD.	0.00	220	1540	LAND	TROWEL	
012	48.64417	-58.67333	TWO GUTS POND, S.W. NFLD.	0.00	220	1550	LAND	TROWEL	
013	48.64417	-58.67417	TWO GUTS POND, S.W. NFLD.	0.00	220	1600	LAND	TROWEL	
014	48.63667	-58.66667	TWO GUTS POND, S.W. NFLD.	0.00	220	1930	LAND	TROWEL	
015	48.63667	-58.66667	TWO GUTS POND, S.W. NFLD.	0.00	220	1900	LAND	TROWEL	
016	48.63667	-58.66667	TWO GUTS POND, S.W. NFLD.	0.00	220	1930	LAND	TROWEL	
017	48.63667	-58.66667	TWO GUTS POND, S.W. NFLD.	0.00	220	1930	LAND	TROWEL	
018	48.57083	-58.82083	PORT AU PORT, S.W. NFLD.	0.00	221	1200	LAND	TROWEL	
019	48.57083	-58.82083	PORT AU PORT, S.W. NFLD.	0.00	221	1200	LAND	TROWEL	
020	48.57083	-58.82083	PORT AU PORT, S.W. NFLD.	0.00	221	1200	LAND	TROWEL	



STATION LOCATIONS - 88400  
1:5,000,000 (MERCATOR, 48N)

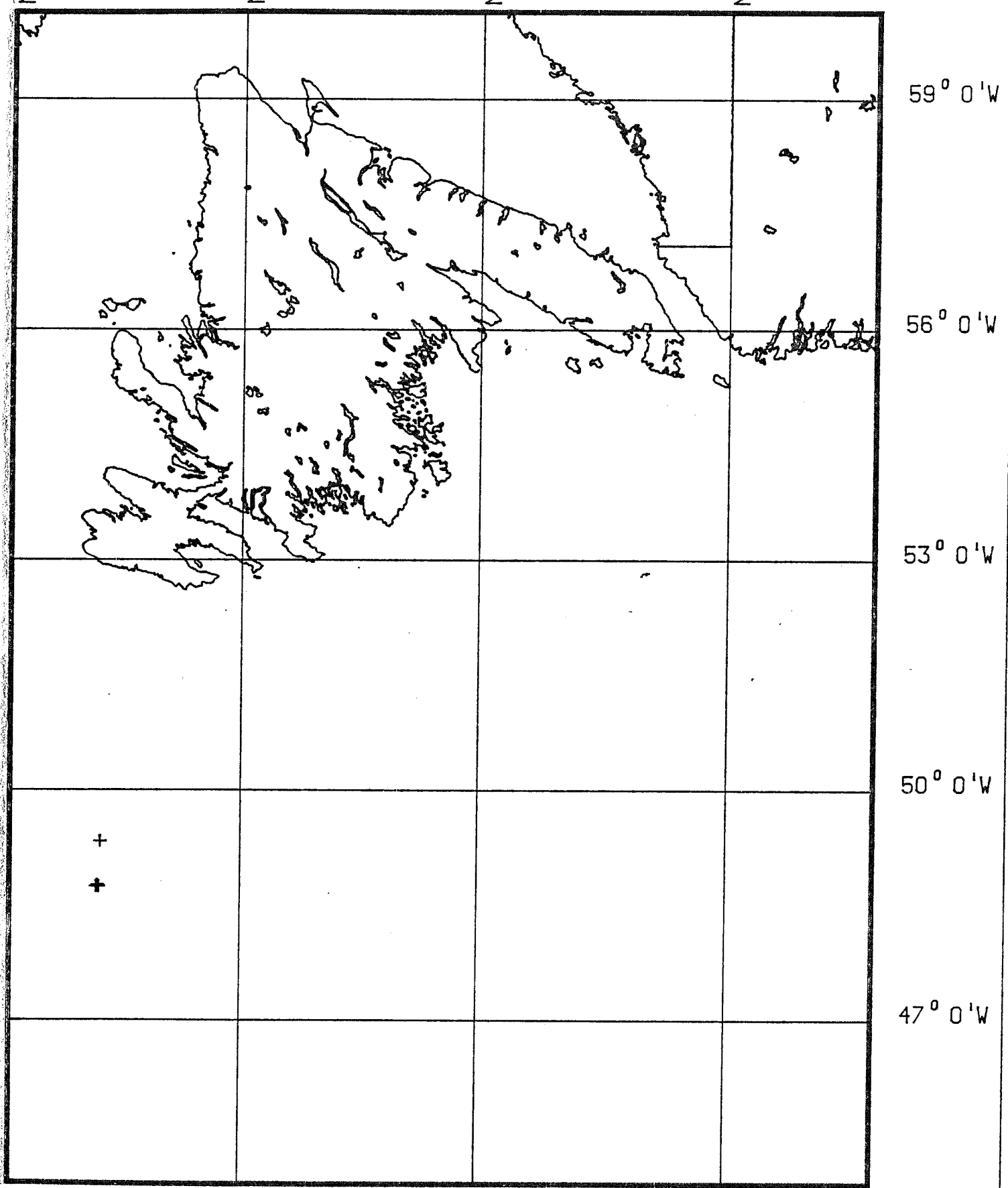


## CRUISE 88400 - SENIOR SCIENTIST K.MORAN - VESSEL BALDER CHALLENGER

1

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	46.45200	-48.49450	GRAND BANKS	93.68	220		BOREHOLE	WIRELINE SAMPLER	5146.0
002	46.46683	-48.41617	GRAND BANKS	96.90	222		BOREHOLE	WIRELINE SAMPLER	5111.0
003	46.44167	-48.44983	GRAND BANKS	96.36	223		BOREHOLE	WIRELINE SAMPLER	2436.0
004	46.47517	-48.47517	GRAND BANKS	94.60	224		BOREHOLE	WIRELINE SAMPLER	2430.0
005	46.45667	-48.51667	GRAND BANKS	93.39	224		BOREHOLE	WIRELINE SAMPLER	1623.0
006	46.72067	-48.62617	GRAND BANKS	96.00	225		BOREHOLE	WIRELINE SAMPLER	8666.0
007	46.72683	-48.62500	GRAND BANKS	86.00	227	830	BOREHOLE	WIRELINE SAMPLER	161.8
008	46.72983	-48.62200	GRAND BANKS	86.50	227	1430	BOREHOLE	WIRELINE SAMPLER	213.0

SITHI ION LULHI IONS - 88401  
1:5,000,000 (MERCATOR, 48N)

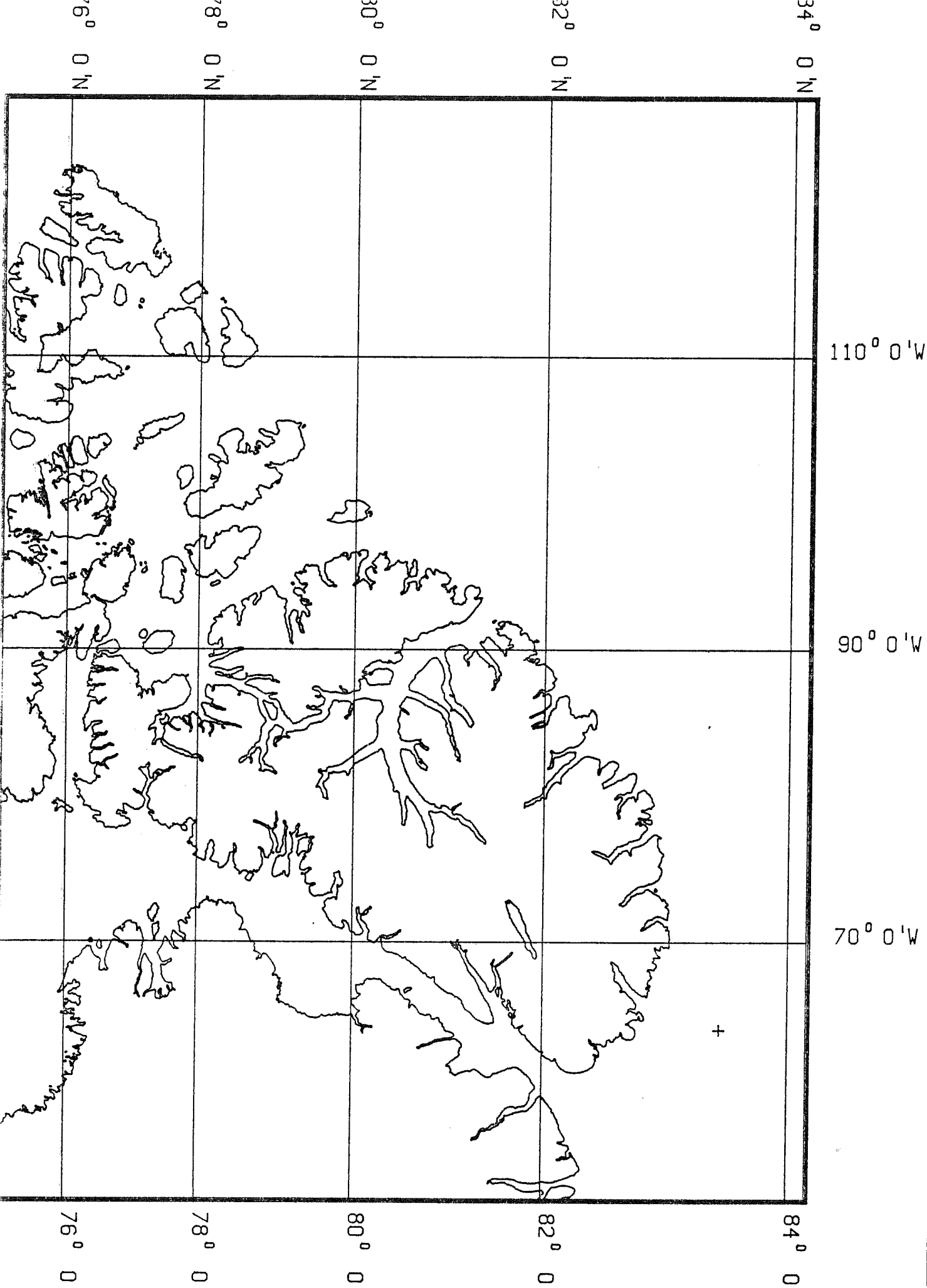


46° 0' 48° 0' 50° 0' 52° 0' 47° 0' W 50° 0' W 53° 0' W 56° 0' W 59° 0' W

CRUISE 88401 - SENIOR SCIENTIST K.MORAN - VESSEL M.V. PHOLOS

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
G1	46,76400	-48,75950	GRAND BANKS	79,37	270	2150	BOREHOLE	WIRELINE SAMPLER	4650.0
G1A	46,76400	-48,75967	GRAND BANKS	79,43	272	700	BOREHOLE	WIRELINE SAMPLER	7250.0
G10	46,76433	-48,75883	GRAND BANKS	280	280	140	BOREHOLE	WIRELINE SAMPLER	870.0
G11	46,76350	-48,75967	GRAND BANKS	280	280	1630	BOREHOLE	WIRELINE SAMPLER	1230.0
G12	46,76433	-48,76033	GRAND BANKS	281	281	18	BOREHOLE	WIRELINE SAMPLER	380.0
G12A	46,76433	-48,76033	GRAND BANKS	281	281	330	BOREHOLE	WIRELINE SAMPLER	500.0
G13	46,76383	-48,75917	GRAND BANKS	283	283	940	BOREHOLE	WIRELINE SAMPLER	7.0
G14	46,76433	-48,75950	GRAND BANKS	80,28	288	1130	BOREHOLE	WIRELINE SAMPLER	1600.0
G15	46,76367	-48,75967	GRAND BANKS	80,13	288	2252	BOREHOLE	WIRELINE SAMPLER	1300.0
G2	46,76400	-48,75950	GRAND BANKS	79,25	267	430	BOREHOLE	WIRELINE SAMPLER	500.0
G2A	46,76400	-48,75967	GRAND BANKS	79,34	268	2058	BOREHOLE	WIRELINE SAMPLER	5200.0
G3	46,76400	-48,75983	GRAND BANKS	79,26	267	1200	BOREHOLE	WIRELINE SAMPLER	600.0
G4	46,76417	-48,75917	GRAND BANKS	79,14	269	1000	BOREHOLE	WIRELINE SAMPLER	900.0
G5	46,76383	-48,75967	GRAND BANKS	79,42	269	1510	BOREHOLE	WIRELINE SAMPLER	300.0
G6	46,76417	-48,75983	GRAND BANKS	79,07	273	2349	BOREHOLE	WIRELINE SAMPLER	900.0
G7	46,76450	-48,75967	GRAND BANKS	78,94	275	1130	BOREHOLE	WIRELINE SAMPLER	3600.0
G8	46,76383	-48,75900	GRAND BANKS	79,62	278	800	BOREHOLE	WIRELINE SAMPLER	4680.0
G9	46,76383	-48,76017	GRAND BANKS	282	282	830	BOREHOLE	WIRELINE SAMPLER	4800.0
NEA1	46,77683	-48,74100	GRAND BANKS	83,88	283	2130	BOREHOLE	WIRELINE SAMPLER	3500.0
NEA2	46,77683	-48,74117	GRAND BANKS	285	285	1950	BOREHOLE	WIRELINE SAMPLER	1300.0
NEA3	46,78667	-49,33017	GRAND BANKS	83,58	283	1630	BOREHOLE	WIRELINE SAMPLER	1200.0
SEA1	46,75133	-48,74100	GRAND BANKS	83,98	287	1500	BOREHOLE	WIRELINE SAMPLER	
SEA2	46,75117	-48,74133	GRAND BANKS	82,78	287	2400	BOREHOLE	WIRELINE SAMPLER	3900.0
SEA3	46,75150	-48,74117	GRAND BANKS	82,78	287	200	BOREHOLE	WIRELINE SAMPLER	

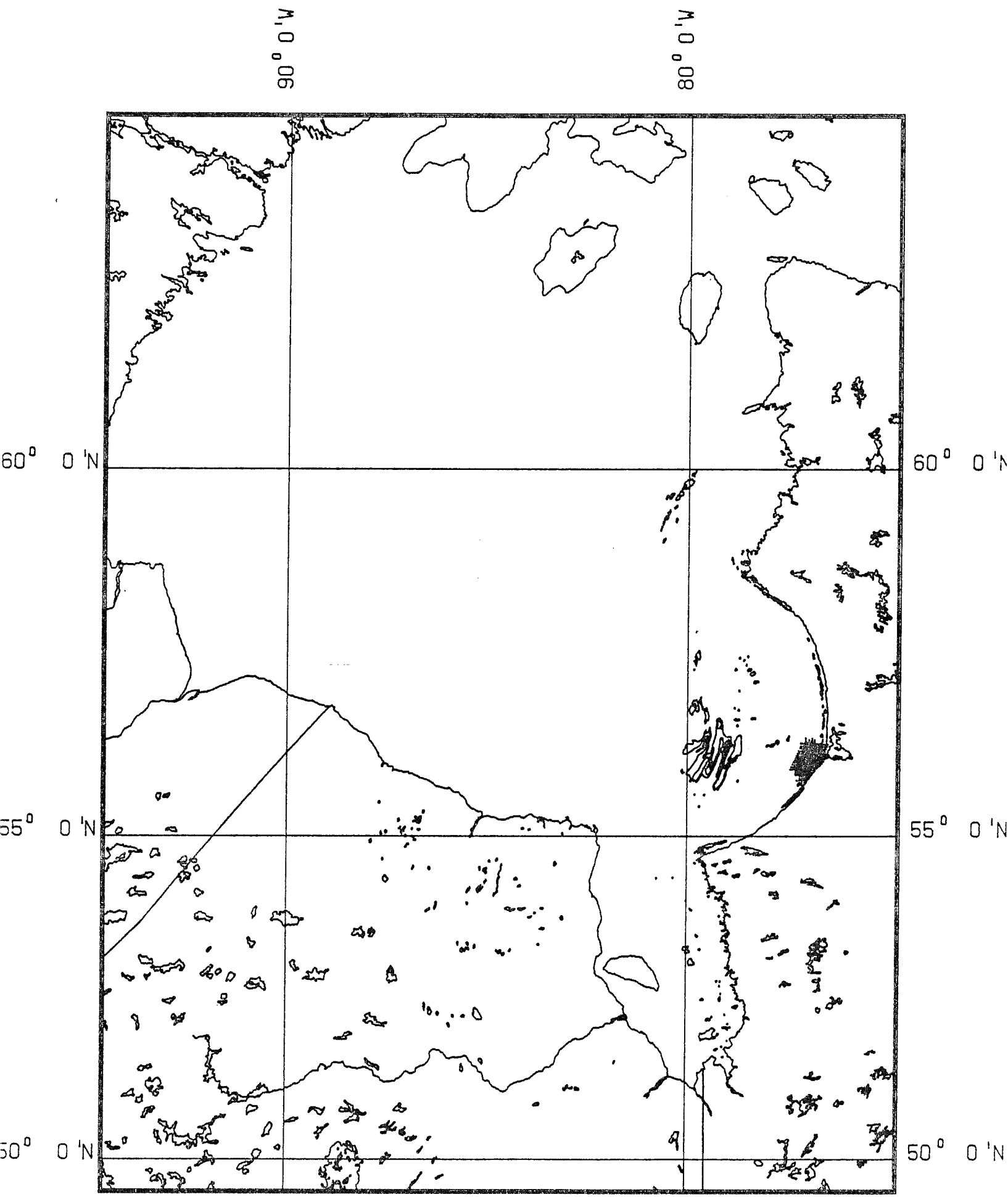
STATION LOCATIONS - 88DREP  
1:7,000,000 (MERCATOR, 79N)



CRUISE 88DREP - SENIOR SCIENTIST P. MUDIE FOR DREP

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
001	83.50000	-64.00000	LINCOLN SEA				CORE	GRAVITY	22.0

STATION LOCATIONS - 88NARWHAL  
1:7,500,000 (MERCATOR, 56N)



STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
004	55.96250	-77.30633	EASTERN HUDSON BAY	122.00	260	1515	GRAB	DIETZ LAFONDE	
005	55.99583	-77.27933	EASTERN HUDSON BAY	83.00	258	1302	GRAB	DIETZ LAFONDE	
006	56.02900	-77.25267	EASTERN HUDSON BAY	63.00	258	1231	GRAB	DIETZ LAFONDE	
007	56.06167	-77.22617	EASTERN HUDSON BAY	48.00	258	1205	GRAB	DIETZ LAFONDE	
008	56.09333	-77.19933	EASTERN HUDSON BAY	35.00	258	1140	GRAB	DIETZ LAFONDE	
009	56.12400	-77.17367	EASTERN HUDSON BAY	40.00	257	1810	GRAB	DIETZ LAFONDE	
010	56.15767	-77.14750	EASTERN HUDSON BAY	60.00	257	1745	GRAB	DIETZ LAFONDE	
011	56.19100	-77.12033	EASTERN HUDSON BAY	52.00	257	1725	GRAB	DIETZ LAFONDE	
012	56.22433	-77.09300	EASTERN HUDSON BAY	41.00	257	1700	GRAB	DIETZ LAFONDE	
013	56.26733	-77.05783	EASTERN HUDSON BAY	45.00	257	1625	GRAB	DIETZ LAFONDE	
014	56.29033	-77.03767	EASTERN HUDSON BAY	56.00	257	1610	GRAB	DIETZ LAFONDE	
015	56.33367	-77.04150	EASTERN HUDSON BAY	47.00	257	1545	GRAB	DIETZ LAFONDE	
018	56.30800	-76.95233	EASTERN HUDSON BAY	58.00	257	1525	GRAB	DIETZ LAFONDE	
019	56.27483	-76.97800	EASTERN HUDSON BAY	52.00	257	1510	GRAB	DIETZ LAFONDE	
020	56.24300	-77.00850	EASTERN HUDSON BAY	40.00	257	1450	GRAB	DIETZ LAFONDE	
021	56.21017	-77.03567	EASTERN HUDSON BAY	60.00	257	1430	GRAB	DIETZ LAFONDE	
022	56.17717	-77.06033	EASTERN HUDSON BAY	84.00	257	1410	GRAB	DIETZ LAFONDE	
023	56.14450	-77.08750	EASTERN HUDSON BAY	60.00	257	1348	GRAB	DIETZ LAFONDE	
024	56.11183	-77.11383	EASTERN HUDSON BAY	46.00	257	1330	GRAB	DIETZ LAFONDE	
025	56.07850	-77.13967	EASTERN HUDSON BAY	108.00	258	1110	GRAB	DIETZ LAFONDE	
026	56.04600	-77.16783	EASTERN HUDSON BAY	133.00	258	1436	GRAB	DIETZ LAFONDE	
027	56.01183	-77.19400	EASTERN HUDSON BAY	95.00	258	1400	GRAB	DIETZ LAFONDE	
028	55.98100	-77.22100	EASTERN HUDSON BAY	100.00	258	1323	GRAB	DIETZ LAFONDE	
035	55.96600	-77.16233	EASTERN HUDSON BAY	165.00	258	1604	GRAB	DIETZ LAFONDE	

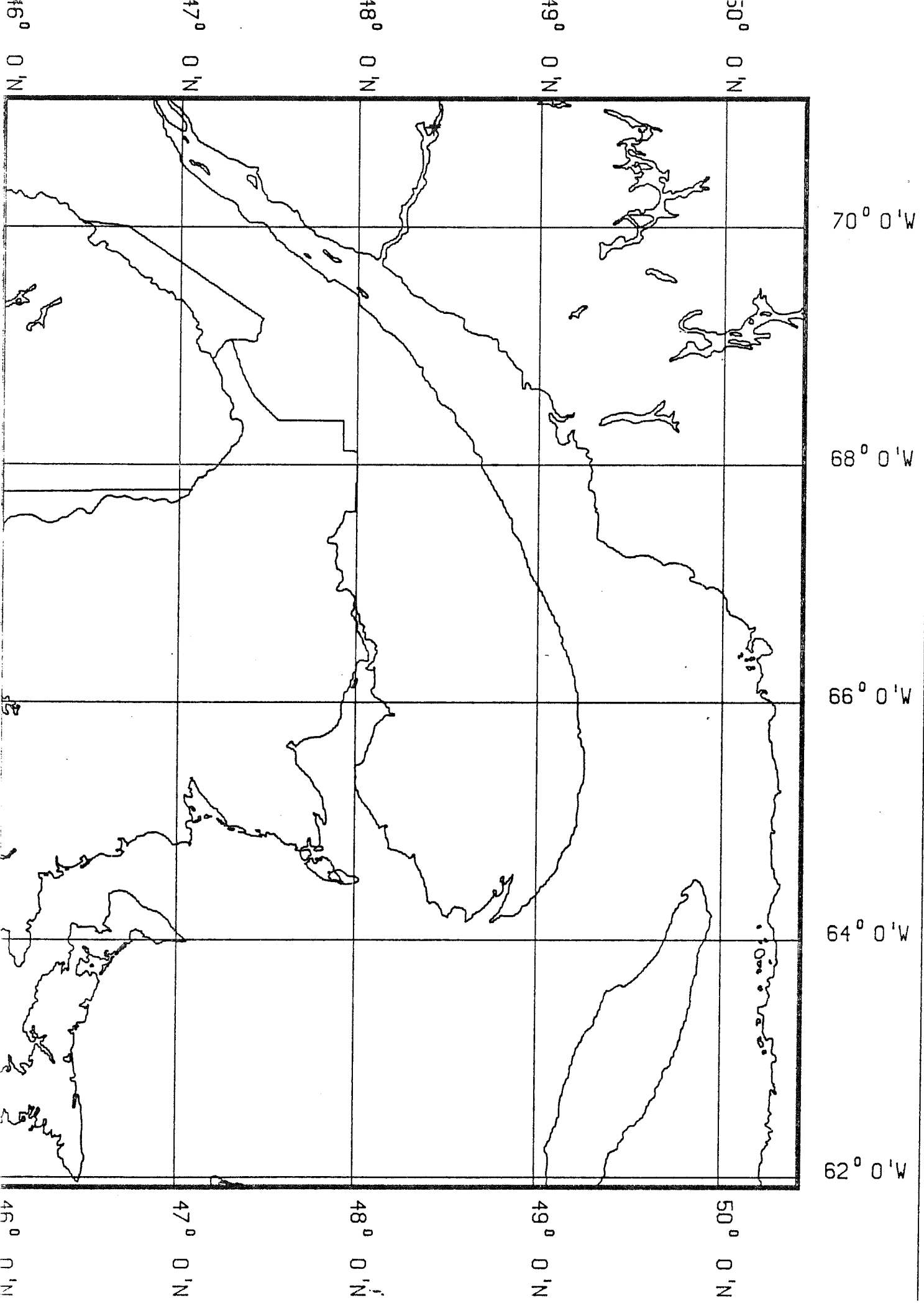


STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
036	56.00000	-77.13617	EASTERN HUDSON BAY	155.00	258	1535	GRAB	DIETZ	
037	56.03167	-77.10917	EASTERN HUDSON BAY	127.00	258	1504	GRAB	LAFONDE DIETZ	
038	56.06417	-77.08250	EASTERN HUDSON BAY	72.00	258	1044	GRAB	LAFONDE DIETZ	
039	56.09750	-77.05500	EASTERN HUDSON BAY	112.00	257	1245	GRAB	LAFONDE DIETZ	
040	56.12983	-77.02833	EASTERN HUDSON BAY	100.00	257	1225	GRAB	LAFONDE DIETZ	
041	56.16250	-77.00183	EASTERN HUDSON BAY	102.00	257	1208	GRAB	LAFONDE DIETZ	
042	56.19483	-76.97467	EASTERN HUDSON BAY	169.00	257	1145	GRAB	LAFONDE DIETZ	
043	56.22783	-76.94717	EASTERN HUDSON BAY	77.00	257	1130	GRAB	LAFONDE DIETZ	
044	56.26033	-76.92100	EASTERN HUDSON BAY	115.00	257	1108	GRAB	LAFONDE DIETZ	
045	56.29283	-76.89417	EASTERN HUDSON BAY	122.00	257	1042	GRAB	LAFONDE DIETZ	
046	56.32567	-76.87500	EASTERN HUDSON BAY	122.00	257	1015	GRAB	LAFONDE DIETZ	
049	56.30983	-76.80917	EASTERN HUDSON BAY	114.00	257	955	GRAB	LAFONDE DIETZ	
050	56.27767	-76.83500	EASTERN HUDSON BAY	110.00	257	935	GRAB	LAFONDE DIETZ	
051	56.24500	-76.87017	EASTERN HUDSON BAY	83.00	257	900	GRAB	LAFONDE DIETZ	
052	56.21217	-76.89267	EASTERN HUDSON BAY	142.00	257	840	GRAB	LAFONDE DIETZ	
053	56.17917	-76.91983	EASTERN HUDSON BAY	155.00	257	1940	GRAB	LAFONDE DIETZ	
054	56.14667	-76.94367	EASTERN HUDSON BAY	162.00	257	1915	GRAB	LAFONDE DIETZ	
055	56.11367	-76.97183	EASTERN HUDSON BAY	122.00	257	1855	GRAB	LAFONDE DIETZ	
056	56.08183	-76.99617	EASTERN HUDSON BAY	136.00	258	1009	GRAB	LAFONDE DIETZ	
057	56.04867	-77.02350	EASTERN HUDSON BAY	160.00	258	1828	GRAB	LAFONDE DIETZ	
058	56.01617	-77.05150	EASTERN HUDSON BAY	166.00	258	1750	GRAB	LAFONDE DIETZ	
059	55.98317	-77.07817	EASTERN HUDSON BAY	164.00	258	1713	GRAB	LAFONDE DIETZ	
060	55.95067	-77.10517	EASTERN HUDSON BAY	118.00	258	1636	GRAB	LAFONDE DIETZ	
061	55.91717	-77.13217	EASTERN HUDSON BAY	128.00	259	1740	GRAB	LAFONDE DIETZ	

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
062	55.88417	-77.15867	EASTERN HUDSON BAY	155.00	259	1720	GRAB	DIETZ LAFONDE	
064	55.90367	-77.07300	EASTERN HUDSON BAY	165.00	259	1755	GRAB	DIETZ LAFONDE	
065	55.93550	-77.04617	EASTERN HUDSON BAY	175.00	259	1815	GRAB	DIETZ LAFONDE	
066	55.96783	-77.02033	EASTERN HUDSON BAY	106.00	259	1835	GRAB	DIETZ LAFONDE	
067	56.00117	-76.99250	EASTERN HUDSON BAY	86.00	259	1225	GRAB	DIETZ LAFONDE	
068	56.03450	-76.96717	EASTERN HUDSON BAY	144.00	258	1858	GRAB	DIETZ LAFONDE	
069	56.06550	-76.94033	EASTERN HUDSON BAY	160.00	259	1920	GRAB	DIETZ LAFONDE	
070	56.09983	-76.91267	EASTERN HUDSON BAY	160.00	258	930	GRAB	DIETZ LAFONDE	
071	56.13167	-76.88533	EASTERN HUDSON BAY	151.00	258	907	GRAB	DIETZ LAFONDE	
072	56.16000	-76.85700	EASTERN HUDSON BAY	122.00	258	852	GRAB	DIETZ LAFONDE	
073	56.32567	-76.87500	EASTERN HUDSON BAY	130.00	257	2005	GRAB	DIETZ LAFONDE	
089	56.11583	-76.82550	EASTERN HUDSON BAY	112.00	259	855	GRAB	DIETZ LAFONDE	
090	56.08450	-76.85383	EASTERN HUDSON BAY	164.00	259	910	GRAB	DIETZ LAFONDE	
091	56.05200	-76.87833	EASTERN HUDSON BAY	110.00	259	1155	GRAB	DIETZ LAFONDE	
094	55.95383	-76.96217	EASTERN HUDSON BAY	66.00	259	1252	GRAB	DIETZ LAFONDE	
095	55.92033	-76.98833	EASTERN HUDSON BAY	130.00	259	1320	GRAB	DIETZ LAFONDE	
096	55.88883	-77.01450	EASTERN HUDSON BAY	128.00	259	1335	GRAB	DIETZ LAFONDE	
103	56.04717	-76.76617	EASTERN HUDSON BAY	115.00	260	950	GRAB	DIETZ LAFONDE	
103A	56.02383	-76.82833	EASTERN HUDSON BAY	126.00	260	1015	GRAB	DIETZ LAFONDE	
104	56.07500	-76.72700	EASTERN HUDSON BAY	106.00	260	930	GRAB	DIETZ LAFONDE	
105	56.10917	-76.69667	EASTERN HUDSON BAY	107.00	260	908	GRAB	DIETZ LAFONDE	
106	56.14383	-76.68250	EASTERN HUDSON BAY	109.00	260	845	GRAB	DIETZ LAFONDE	
107	56.17833	-76.69167	EASTERN HUDSON BAY	133.00	260	816	GRAB	DIETZ LAFONDE	
108	56.21417	-76.68550	EASTERN HUDSON BAY	144.00	260	1755	GRAB	DIETZ LAFONDE	

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
109	56.25050	-76.66300	EASTERN HUDSON BAY	127.00	260	1812	GRAB	DIETZ LAFONDE	
110	56.28617	-76.63950	EASTERN HUDSON BAY	92.00	260	1833	GRAB	DIETZ LAFONDE	
111	56.31667	-76.61800	EASTERN HUDSON BAY	80.00	260	1853	GRAB	DIETZ LAFONDE	
70FS1	55.80500	-77.14417	EASTERN HUDSON BAY	102.00	259	1435	GRAB	DIETZ LAFONDE	
71FS1	55.83283	-77.07533	EASTERN HUDSON BAY	98.00	259	1415	GRAB	DIETZ LAFONDE	
72FS1	55.86117	-77.06533	EASTERN HUDSON BAY	90.00	259	1355	GRAB	DIETZ LAFONDE	

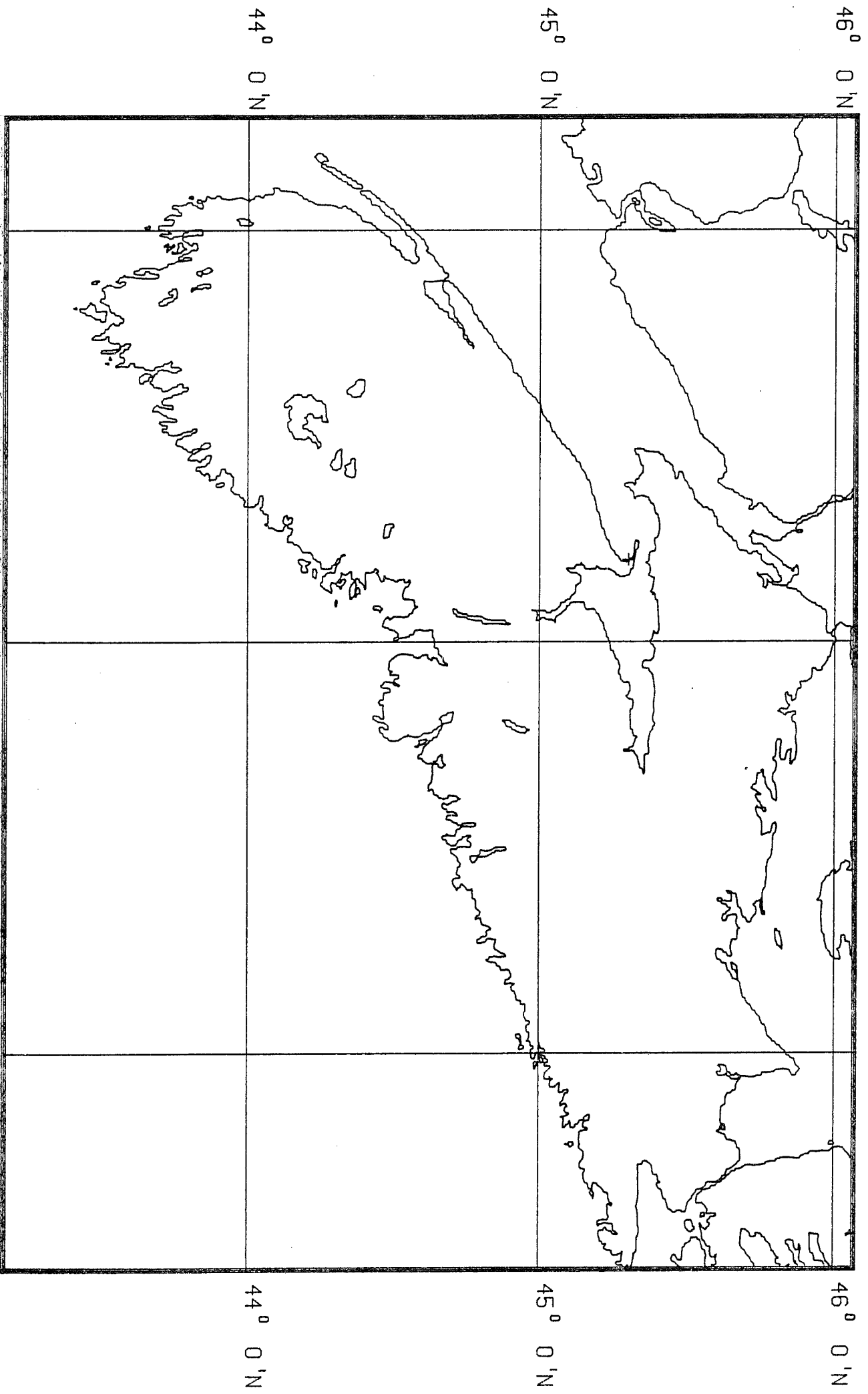
STATION LOCATIONS - 88QUEBEC  
1:3,000,000 (MERCATOR, 48N)



CRUISE 88RUREC - SENIOR SCIENTIST C.SCHAFER - VESSEL LAUZIIE

STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
8809 2/3	48.41417	-70.84833	SAGUENAY FIORD	70.00	168	1100	CORE	LEHIGH	250.0
8809 3/4	48.41750	-70.86000	SAGUENAY FIORD	51.00	168	1130	CORE	LEHIGH	300.0

STATION LOCATIONS - 88SCQTS  
1:2,000,000 (MERCATOR, 44N)



CRUISE 88SCOTS - SENIOR SCIENTIST J. SHAW

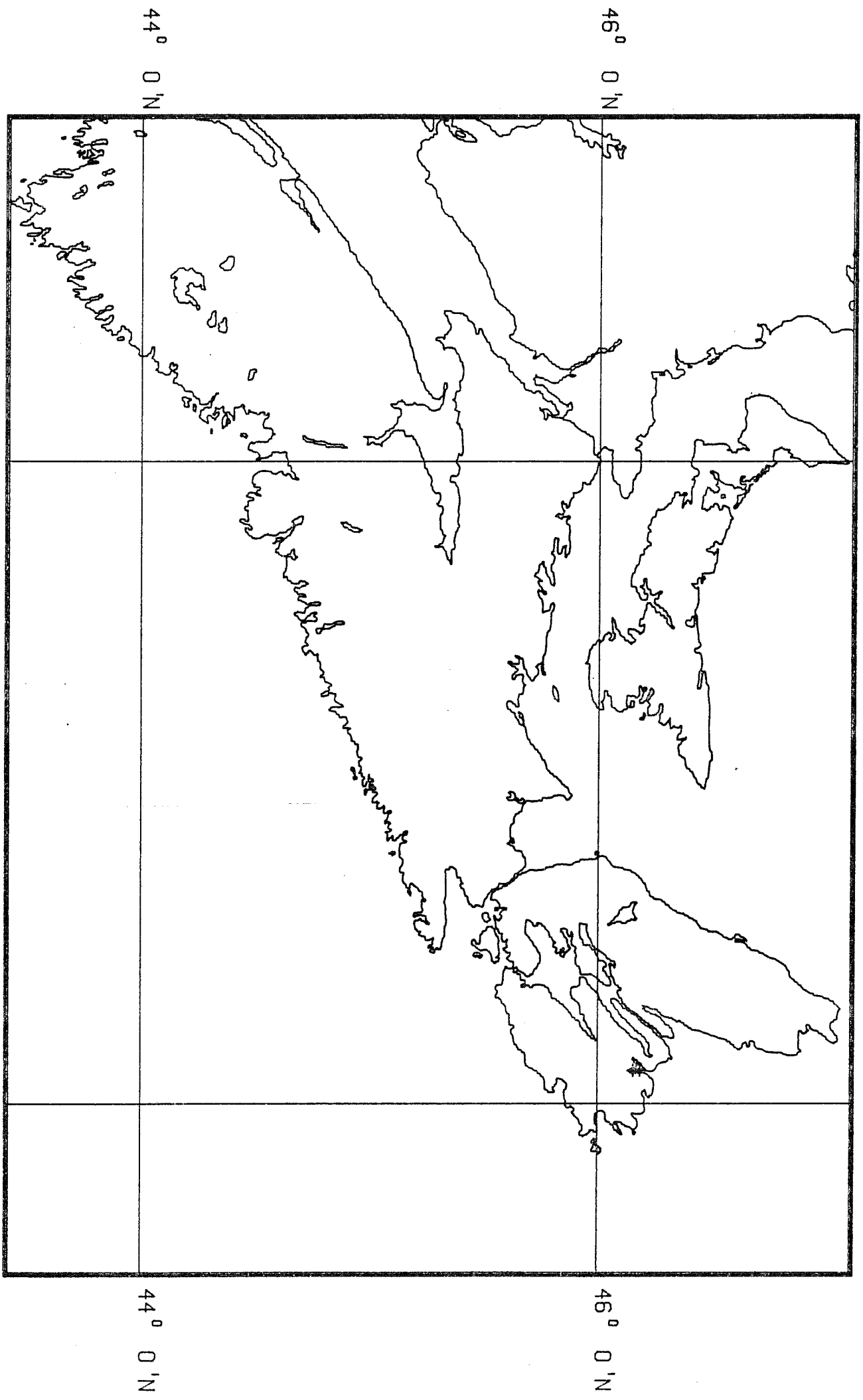
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STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
88-1	45.30233	-64.39833	SCOTS BAY, N.S.	0.00	216	1800	CORE	VIRRACORE	186.0

STATION LOCATIONS - 88SYDNEY  
1:2,500,000 (MERCATOR, 45N)

64° 0' W

60° 0' W





CRUISE 88SYDNEY - SENIOR SCIENTIST J.VAN DER MEULEN - VESSEL NAVICULA

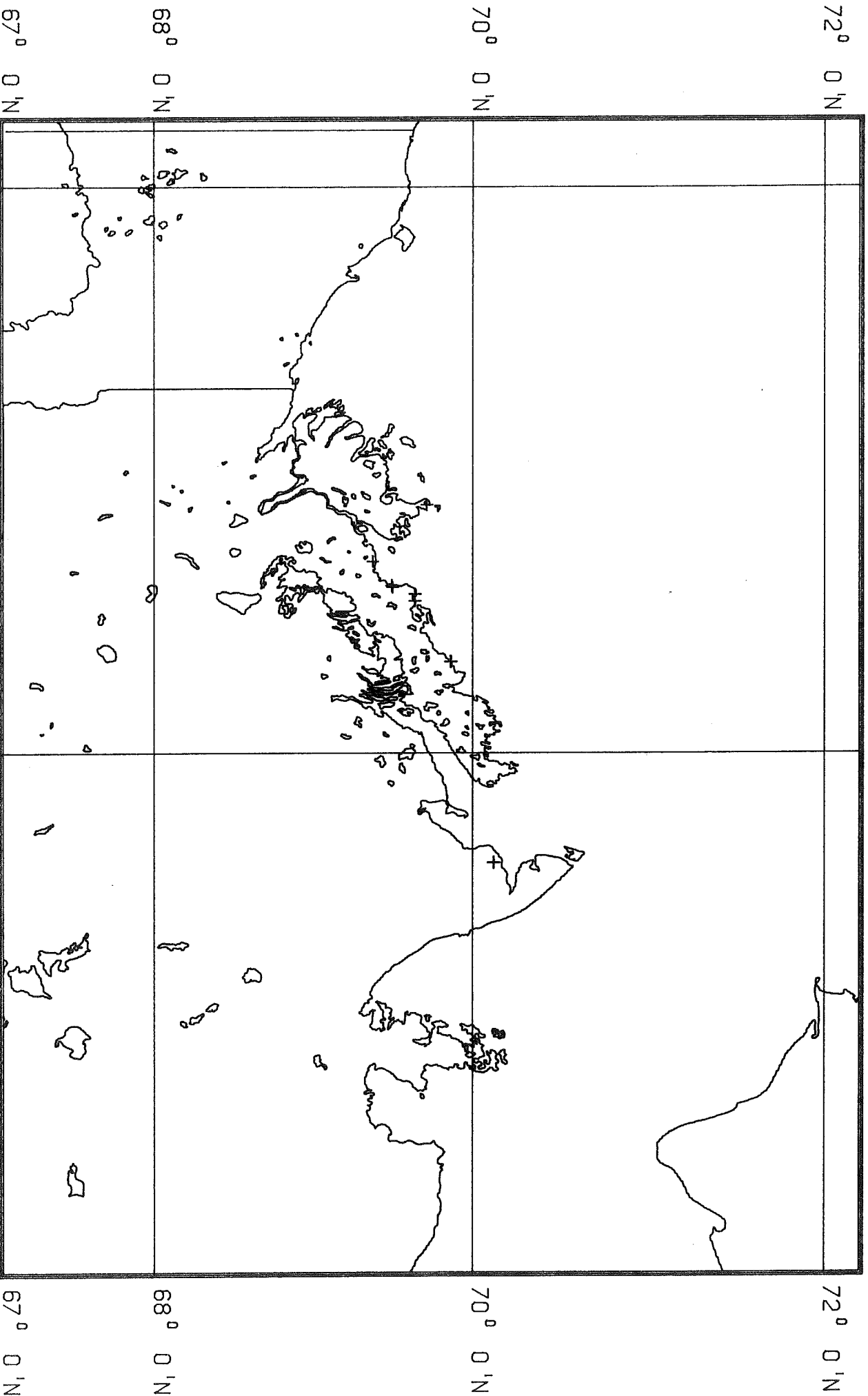
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STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
004	46.18167	-60.20667	SYDNEY HARBOUR	15.00	241		CORE	LEHIGH	85.0
005	46.18167	-60.21450	SYDNEY HARBOUR	17.00	241		CORE	LEHIGH	107.0
007	46.15317	-60.20417	SYDNEY HARBOUR	15.50	241		CORE	LEHIGH	89.0
008	46.15333	-60.20650	SYDNEY HARBOUR	15.50	241		CORE	LEHIGH	107.0
009	46.15367	-60.20950	SYDNEY HARBOUR	13.50	241		CORE	LEHIGH	77.0

STATION LOCATIONS - 88TUK  
1:3,500,000 (MERCATOR, 70N)

140° 0' W

130° 0' W



## CRUISE 88TUK - SENIOR SCIENTIST A. HEQUETTE

1

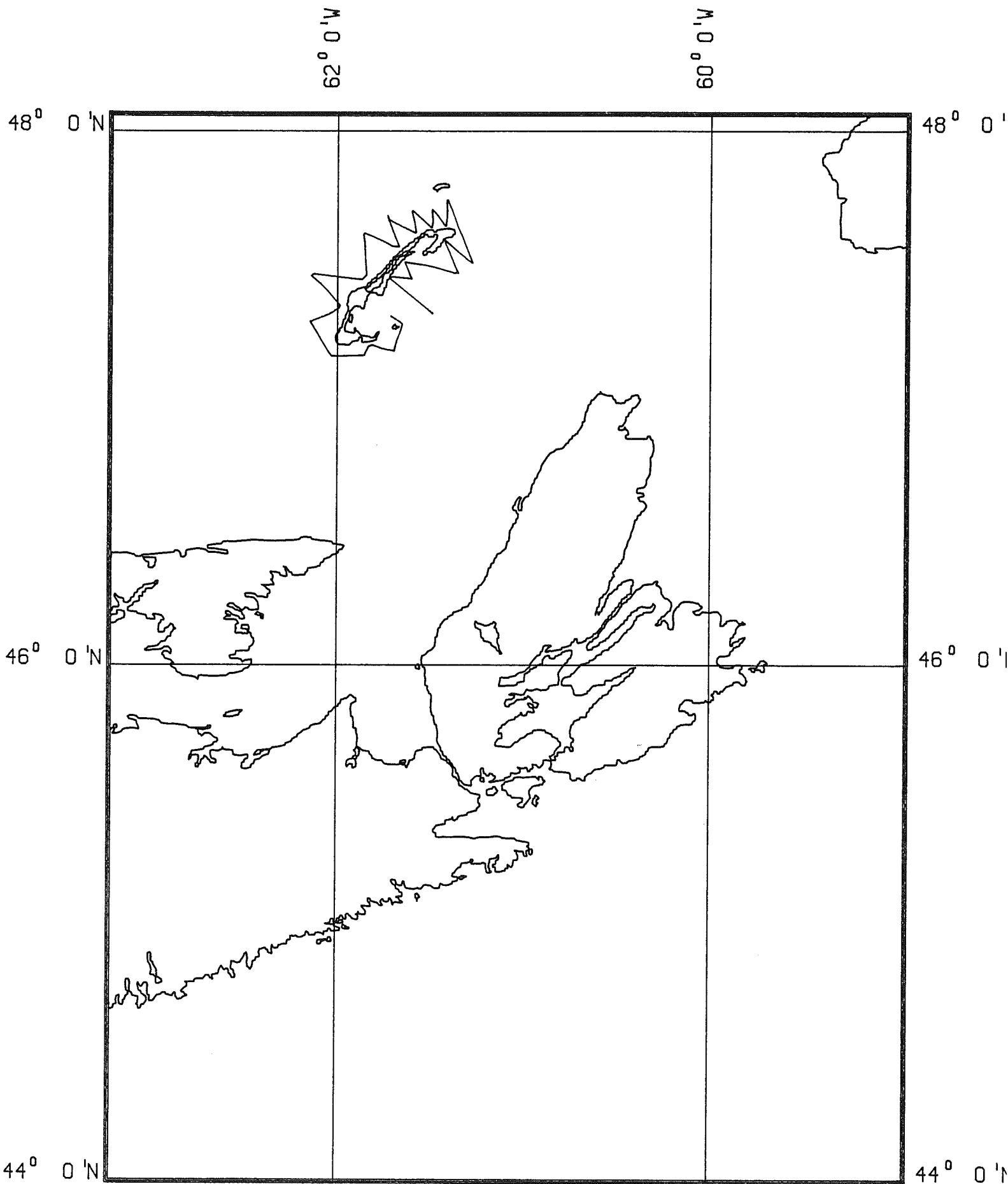
STATION	LATITUDE	LONGITUDE	GEOGRAPHIC AREA	DEPTH(M)	DAY	TIME	SAMPLE	TYPE	LENGTH(CM)
TM88-A	69.51333	132.93000	BEAUFORT SEA		229		GRAB	TRENCH	
001	69.50933	132.95667	BEAUFORT SEA		223		CORE	VIBRACORE	
002	69.50833	132.95667	BEAUFORT SEA		223		CORE	VIBRACORE	
003	69.50833	132.96167	BEAUFORT SEA		223		CORE	VIBRACORE	
005	69.65000	132.81000	BEAUFORT SEA		224		CORE	VIBRACORE	
006	69.65000	132.80833	BEAUFORT SEA		224		CORE	VIBRACORE	
007	69.65000	132.68667	BEAUFORT SEA		225		CORE	VIBRACORE	
008	69.86667	131.61667	BEAUFORT SEA		225		GRAB	TRENCH	
009A	69.87000	131.61667	BEAUFORT SEA		225		GRAB	TRENCH	
009B	69.87000	131.61667	BEAUFORT SEA		225		GRAB	TRENCH	
009C	69.87000	131.61667	BEAUFORT SEA		225		GRAB	TRENCH	
009D	69.87000	131.61667	BEAUFORT SEA		225		GRAB	TRENCH	
010	69.72333	134.38333	BEAUFORT SEA		227		CORE	VIBRACORE	
011	69.39000	133.38333	BEAUFORT SEA		227		CORE	VIBRACORE	
012	69.51000	132.96000	BEAUFORT SEA		229		CORE	VIBRACORE	
013	69.51333	132.93000	BEAUFORT SEA		229		CORE	VIBRACORE	
014A	70.12667	128.06667	BEAUFORT SEA		230		GRAB	TRENCH	
014B	70.12667	128.06667	BEAUFORT SEA		230		GRAB	TRENCH	
014C	70.12667	128.06667	BEAUFORT SEA		230		GRAB	TRENCH	
014D	70.12667	128.06667	BEAUFORT SEA		230		GRAB	TRENCH	
014E	70.12667	128.06667	BEAUFORT SEA		230		GRAB	TRENCH	
014F	70.12667	128.06667	BEAUFORT SEA		230		GRAB	TRENCH	

<b>CRUISES</b>	<b>KILOMETERS</b>	<b>NAUTICAL MILES</b>
88007	340.0	183.5
88008	1854.9	1001.6
88010	3045.0	1644.2
88018A Phase 1	254.4	137.4
88018B Phase 2	268.6	145.0
88018B Phase 3	175.8	94.9
88018C Phase 4	209.7	113.2
88018C Phase 5	107.1	57.8
88018D Phase 6/7	519.9	280.7
88018E Phase 8	214.8	116.0
88018E Phase 9	314.2	169.7
88018E Phase 11	153.3	82.8
88018F Phase 12	306.1	165.3
88018G Phase 13	231.8	125.2
88018H Phase 14	167.4	90.4
88020	2892.7	1561.9
88022	1462.9	789.9
88024		
88030	454.3	245.3
88032		
88038	532.2	287.4
88039	12132.1	6550.8
88108	1173.5	633.6
88 Narwhal	756.0	408.2

**APPENDIX III - RECORDS**

CRUISES	GEOGRAPHIC AREA
88007	Magdalen Islands, Gulf of St. Lawrence
88008	Gulf of St. Lawrence Estuary
88010	Scotian Slope
88018A Phase 1	Bedford Basin, Halifax Harbour, Sambro and Pennant Point, Nova Scotia
88018B Phase 2	Lower West Pubnico, Cape Sable Island and Seal Island, Nova Scotia
88018B Phase 3	Yarmouth North to Cape St. Mary, Nova Scotia
88018C Phase 4	Passamaquoddy Bay to St. Croix River, New Brunswick
88018C Phase 5	Blacks Harbour to Point Lepreau, New Brunswick
88018D Phase 6/7	Northumberland Strait, New Brunswick
88018E Phase 8	Port-au-Port, Newfoundland
88018E Phase 9	St. George's Bay, Newfoundland
88018E Phase 11	South Coast, La Poile Bay to Bungeo, Newfoundland
88018F Phase 12	Souris Northern and Eastern Prince Edward Island
88018G Phase 13	Southern Cape Breton Island, Nova Scotia
88018H Phase 14	Sheet Harbour and adjacent inner Scotian Shelf, Nova Scotia
88020	Montagnais Wellsite, Nova Scotia Continental Shelf
88022	Gulf of St. Lawrence
88024	West Greenland Margin
88030	Lake Melville, Labrador
88032	Esquiman Channel, Port-au-Port Banks, St. George's Bank, West Coast of Newfoundland
88038	Continental Shelf off Newfoundland
88039	LaHave Basin, Scotian Shelf
88108	Scotian Shelf and Grand Banks
88300	Eastern Shore, Nova Scotia
88 Nahidik	Beaufort Sea
88 Narwhal	Hudson Bay

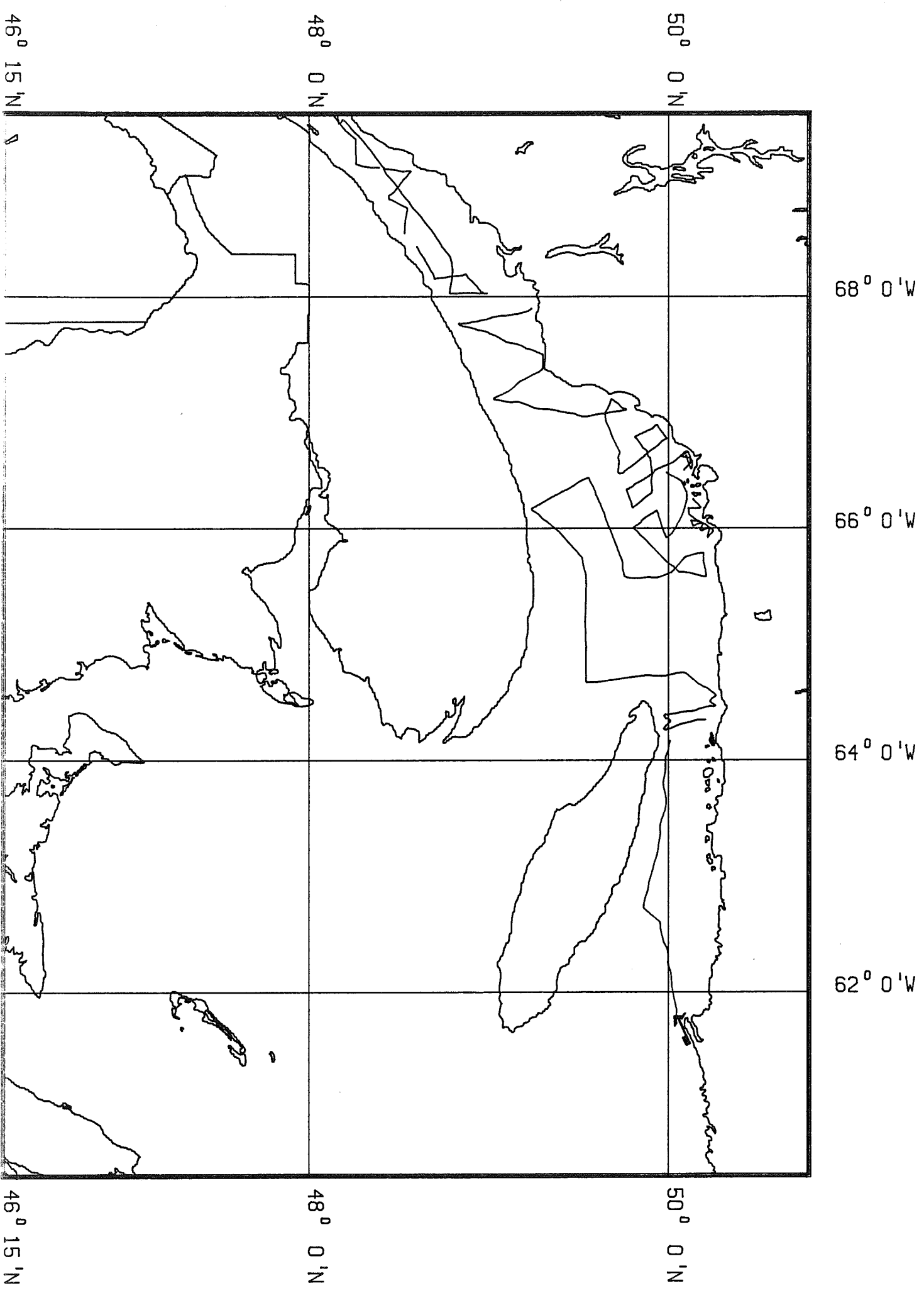
CRUISE TRACKS - 88007  
1:2,000,000 (MERCATOR, 46N)



LOG BOOK INVENTORY 88-007

RECORD #	DAY	TYPE
001	117-119	Seismic
002	117-119	Bathymetry

CRUISE TRACKS - 88008  
1:3,000,000 (MERCATOR, 48N)





**LOG BOOK INVENTORY 88-008**

<b>RECORD #</b>	<b>DAY</b>	<b>TYPE</b>
001	122-135	Seismic
002	122-135	Bathymetry
003	122-134	General

**12 kHz BATHYMETRY RECORDS 88-008**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>TYPE</b>
001	122/1720	122/2057	88-01	12 Khz
002	122/2057	123/1510	88-01,02	
003	123/1610	123/1920	88-03	
004	123/1930	125/0606	88-04,05	
005	125/2140	127/1530	88-07,08	
006	127/1537	129/1130	88-09,10	
007	130/0000	131/0010	88-12	
008	131/0014	131/0500	88-12	
009	131/0508	132/0715	88-12	
010	132/0725	134/1140		
011	134/1142	135/0820		

## SEISMIC RECORD INVENTORY 88-008

RECORD #	START DAY/TIME	STOP DAY/TIME	LINE #	TYPE
001	122/1728	123/1510		Airgun EPC
002	123/1714	124/0003		
003	124/0009	128/0400		
004	128/0404	129/1126		
005	129/2332	130/2330		
006	130/2335	132/2105		
007	132/2114	133/0650		
008	133/2212	135/0820		
001	122/1720	123/1510	88-01,02	Airgun L.S.R.
002	123/1715	126/1605	88-03-08	
003	126/1613	127/1300	88-08,09	
004	127/1334	128/0048	88-09	
005	128/0059	129/1127	88-09,10	
006	129/2334	131/1400	88-12	
007	131/1402	133/0652		
008	133/2314	134/0530		
009	134/0539	135/0820		
001	122/1728	123/1024	88-01,02	Huntec External
002	123/1035	123/1510	88-02	
003	123/1715	124/0519	88-03,04	
004	124/0530	126/0812	88-04,05	
005	126/0815	127/0725	88-07,08	
006	127/0728	128/0706	88-09	
007	128/0715	129/1126	88-09,10	
008	129/2335	130/0504	88-12	
009	130/0506	131/0601	88-12	
010	131/0603	132/0803	88-12	
011	132/0805	134/1444		
012	134/1446	134/2115		

SEISMIC RECORD INVENTORY 88-008 (Continued)

RECORD #	START DAY/TIME	STOP DAY/TIME	LINE #	TYPE
001	122/1723	123/1510		Huntec Internal
002	123/1715	125/0503		
003	125/0505	126/1958		
004	126/2002	127/2124		
005	127/2126	129/0751		
006	129/0753	129/1126		
007	129/2335	130/1840		
008	130/1843	131/1714		
009	131/1716	132/1650		
010	132/1652	134/2115		

**SIDECAN RECORD INVENTORY 88-008**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>TYPE</b>
001	122/1722	122/2111	88-01	Klein
002	123/0924	123/0924	88-01,02	
003	125/0130	125/0222	88-05	
004	125/0228	125/0607	88-05	
005	126/0333	126/0422	88-07	
006	126/1037	126/1157	88-07	
007	126/2350	127/0200	88-09	
008	127/0202	127/0507	88-09	
009	127/1454	127/1745	88-09	
010	128/0934	128/1159	88-09	
011	128/2333	129/0641	88-10,11	
012	129/0654	129/1021	88-11	
013	129/1048	129/1126	88-11	
014	130/1734	130/1807	88-12	
015	132/0703	132/0801	88-12	
016	132/1058	132/1355	88-12	
017	132/1359	132/1737		
018	132/1949	132/2011		
019	132/2144	132/2226		
020	133/2339	134/0106		
021	134/0113	134/0130		

**TAPE INVENTORY 88-008**

<b>TAPE #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>TYPE</b>
001	122/1720	123/0749	1,2	Airgun
002	123/0752	123/2240	2,3	
003	123/2247	125/0224	3,4,5	
004	125/0226	126/0700	6,7	
005	126/0705	126/2000	7,8	
006	126/2003	127/0852	8	
007	127/0855	127/2145	8	
008	127/2146	128/1034	8,9	
009	128/1037	129/0734	8,9,10	
010	129/0737	130/0830	11,12	
011	130/0842	130/2130	12	
012	130/2130	131/1023	12	
013	131/1026	131/2313	12	
014	131/2314	132/1200	12	
015	132/1204	133/0153		
016	133/0155	134/0705		
017	134/0708	134/2001		
018	134/2002	135/0818		
001	122/1724	122/2045	1	Huntec
002	122/2100	122/2340	1	
003	122/2345	123/0406	1,2	
004	123/0423	123/0721	2	
005	123/0726	123/1043	2	
006	123/1045	123/1400	2	
007	123/1401	123/1919	2,3	
008	123/1920	123/2240	3	
009	123/2242	124/0138	3,4	
010	124/0140	124/0453	4	
011	124/0453	124/2318	4,5	
012	124/2320	125/0236	5,6	

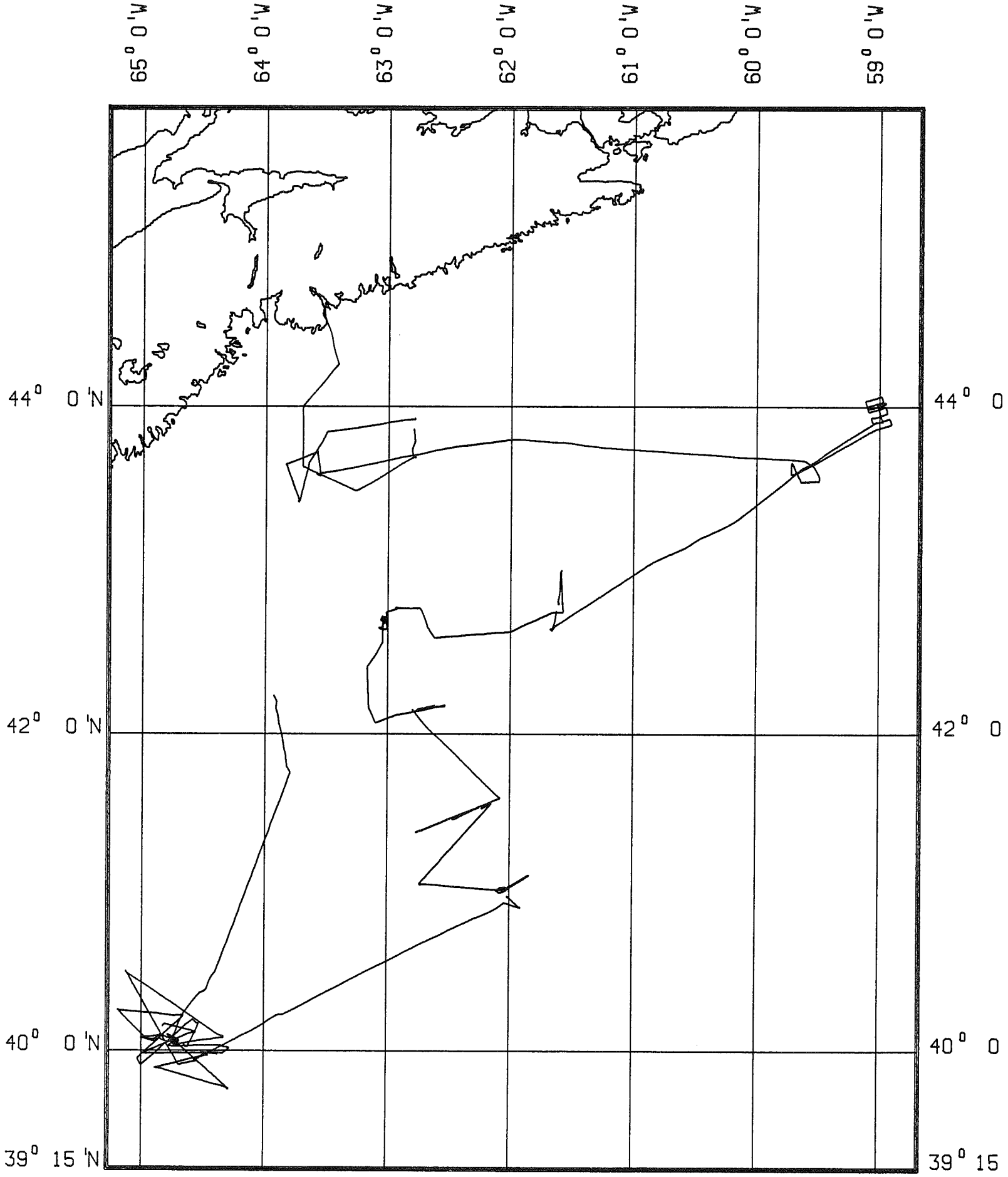
**TAPE INVENTORY 88-008 (Continued)**

<b>TAPE #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>TYPE</b>
013	125/0238	125/0555	6	Huntec (Continued)
014	125/0558	126/0026	6,7	
015	126/0027	126/0346	7	
016	126/0346	126/0700	7	
017	126/0700	126/1024	7	
018	126/1024	126/1338	7,8	
019	126/1340	126/1654	8	
020	126/1656	126/2009	8	
021	126/2009	022/2323	8	
022	126/2324	127/0130	8,9	
023	127/0139	127/0451	9	
024	127/0454	127/0807	9	
025	127/0807	127/1120	9	
026	127/1122	127/1436	9	
027	127/1437	127/1750	9	
028	127/1752	127/2100	9	
029	127/2100	127/0016	9,10	
030	128/0017	128/0330	10	
031	128/0330	128/0648	10	
032	128/0648	128/1005	10	
033	128/1005	129/0147	10,11	
034	129/0147	129/0500	11	
035	129/0600	129/0816	11	
036	129/0816	129/1127	11	
037	129/2330	130/0247	12	
038	130/0247	130/0060	12	
039	130/0600	130/0900	12	
040	130/0930	130/1241	12	
041	130/1242	130/1521	12	
042	130/1527	130/1840	12	

**TAPE INVENTORY 88-008 (Continued)**

<b>TAPE #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>LINE #</b>	<b>TYPE</b>
043	130/1842	130/2155	12	Huntec (Continued)
044	130/2156	131/0109	12	
045	131/0110	131/0424	12	
046	131/0424	131/0740	12	
047	131/0740	131/1054	12	
048	131/1056	131/1410	12	
049	131/1412	131/1716	12	
050	131/1718	131/1954	12	
051	131/1957	131/2311	12	
052	131/2312	132/0226	12	
053	132/0229	132/0547	12	
054	132/0547	132/0903	12	
055	132/0902	132/1218	12	
056	132/1220	132/1533	12	
057	132/1551	132/1847		
058	132/1848	132/2200		
059	132/2202	134/0722		
060	134/0723	134/1036		
061	134/1036	134/1346		
062	134/1348	134/1700		
063	134/1703	134/2017		
064	134/2019	134/2113		

CRUISE TRACKS - 88010  
1:3,200,000 (MERCATOR, 42N)





**LOG BOOK INVENTORY 88-010**

RECORD #	DAY	TYPE
001	145-160	General
002	146-160	Bathymetry
003	146-160	Seismic
004	145-159	Bridge
005	145-161	Watchkeeper's

**BATHYMETRY RECORD INVENTORY 88-010**

RECORD #	START DAY/TIME	STOP DAY/TIME	LINE #	BOX #	TYPE	GEOGRAPHIC AREA
				R491	12 kHz	Camera Station 101
001	145/1421	145/2220		R491		Bedford Basin
002	145/2356	147/0930	1,2,3,4,5	R491		Emerald Basin & LaHave Basin
003	147/0940	148/0520	6	R491		Sable Island Bank
004	148/1320	148/2400	7,8,9	R491		Sable Island Bank
005	149/0000	150/2400	10-23	R491		The Gully, Verrill Canyon Area
	149/1115			R491		Core Stations
	150/1200	159/1520		R491		Core Stations
006	151/0000	151/1640	23,24,25	R491		Verrill Canyon Area, Albatross
007	151/1650	152/0020	26	R491		Albatross Area
008	152/0010	152/1620	27-31	R491		Albatross Lower Slope
009	152/1650	152/2400		R491		Albatross Slope
010	153/0000	153/2400	32,33	R491		Albatross Slope
011	154/0000	154/2400	33,34,35	R491		Albatross Rise & Slope
012	155/0000	155/1830		R491		Rise of George's Bank
013	155/2000	156/2400	36,37,38	R491		Rise of George's Bank
014	157/0000	157/2400	39	R491		Rise of George's Bank
015	158/0000	158/2150	40,41	R491		Rise of George's Bank
016	158/2200	159/0650	42,43	R491		Rise of George's Bank
017	159/0715	160/1640	43,44,45	R491		Central Scotian Rise

**BATHYMETRY RECORD INVENTORY 88-010 (Continued)**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>GEOGRAPHIC AREA</b>
001	145/1342	146/0840	1,2	R490	3.5 kHz	Emerald Basin
002	146/1127	147/0710	3,4	R490		LaHave Basin
003	147/0810	147/0930	5	R490		LaHave Basin
004	147/1120	148/0520	6	R490		LaHave Basin
005	148/1340	148/2120	7,8,9	R490		Sable Island Bank
006	149/0000	149/0430	10-14	R490		The Gully
007	149/0450	149/1020	15-22	R490		The Gully
008	150/1200	151/0820	23,24	R490		Verrill Canyon Area
009	151/0830	152/1130	25-31	R490		Albatross Area
010	152/1140	152/2240	31,32	R490		Albatross Area
011	153/0211	153/0901		R490		On Core Station
012	153/1120	153/1820		R490		On Core Station
013	153/1940	153/2400		R490		On Core Station
014	154/0030	155/0100	33,34,35	R490		Albatross Rise & Slope
015	155/1220	156/1250	36,37,38	R490		Rise of George's Bank
016	158/2210	159/0730	42,43	R490		Rise of George's Bank
017	155/1140	160/1630	44,45	R490		Central Scotian Rise

## SEISMIC RECORD INVENTORY 88-010

RECORD #	START DAY/TIME	STOP DAY/TIME	LINE #	BOX #	TYPE	GEOGRAPHIC AREA
001	145/1540	146/0040	1,2	R489	Airgun 100' Eel	Emerald Basin
002	147/0130	147/0930	3,4,5	R489		LaHave Basin
003	148/0104	148/0520	6	R489		Sable Island Bank
004	148/1330	148/1910	7,8,9	R489		Sable Island Bank
005	149/0000	149/1050	10-22	R489		The Gully
006	150/2310	151/0940	23,24,25	R489		Verrill Canyon, Albatross
007	151/2240	152/1120	26-31	R489		Albatross Lower Slope
008	152/0210	153/0901	32	R489		Albatross Slope
009	153/2104	154/0400	33	R489		Albatross Slope
010	154/0410	154/1100	33,34	R489		Albatross Rise
011	154/1340	154/1530	35	R489		Albatross Rise
012	155/2136	156/1250	36,37,38	R489		Rise of George's Bank
013	157/1125	157/1320	39	R489		Rise of George's Bank
014	158/0100	158/0710	40,41	R489		Rise of George's Bank
015	158/2200	159/0730	42,43	R489		Rise of George's Bank
016	159/1720	160/1620	44,45	R489		Central Scotian Rise
001	145/1540	146/0840	1,2	R489	Airgun 25' Eel	Emerald Bank
002	147/0130	147/0930	3,4,5	R489		LaHave Basin
003	148/0104	148/0520	6	R489		Sable Island Bank
004	148/1330	148/1910	7,8,9	R489		Sable Island Bank
005	148/0000	149/1050	10-22	R489		The Gully
006	150/2310	151/0950	23,24,25	R489		Verrill Canyon Area, Albatross
007	151/2240	152/1120	26-31	R489		Albatross Lower Slope
008	152/0210	153/0901	32	R489		Albatross Slope
009	153/2110	154/1100	33,34	R489		Albatross Slope
010	154/1340	154/1530	35	R489		Albatross Rise
011	155/2136	156/1250	36,37,38	R489		Rise of George's Bank
012	157/1120	157/1320	39	R489		Rise of George's Bank
013	158/0100	158/0710	40,41	R489		Rise of George's Bank
014	158/2200	159/0730	42,43	R489		Rise of George's Bank
015	159/1720	160/1620	44,45	R489		Central Scotian Rise

**SEISMIC RECORD INVENTORY 88-010 (Continued)**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>GEOGRAPHIC AREA</b>
				R489	Airgun Playback	
				R489	Airgun Playback	
001	146/0107	146/0841	1,2	R489	Huntec External	Emerald Basin
002	147/0133	147/0930	3,4,5	R489		LaHave Basin
003	148/0110	148/0520	6	R489		Sable Island Bank
004	148/1330	148/1910	7,8,9	R489		Sable Island Bank
001	146/0107	146/0841	1,2	R489	Huntec Internal	Emerald Basin
002	147/0130	147/0930	3,4,5	R489		LaHave Basin
003	148/0110	148/0520	6	R489		Sable Island Bank
004	148/1330	148/1910	7,8,9	R489		Sable Island Bank

**NAVIGATION RECORD INVENTORY 88-010**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	145/	145/	R492	Bionav
002	146/	146/	R492	
003	147/	147/	R492	
004	148/	148/	R492	
005	149/	149/	R492	
006	150/	150/	R492	
007	151/	151/	R492	
008	152/	152/	R492	
009	153/	153/	R492	
010	154/	154/	R492	
011	155/	155/	R492	
012	156/	156/	R492	
013	157/	157/	R492	
014	158/	158/	R492	
015	159/	159/	R492	
016	160/	160/	R492	

**TAPE INVENTORY 88-010**

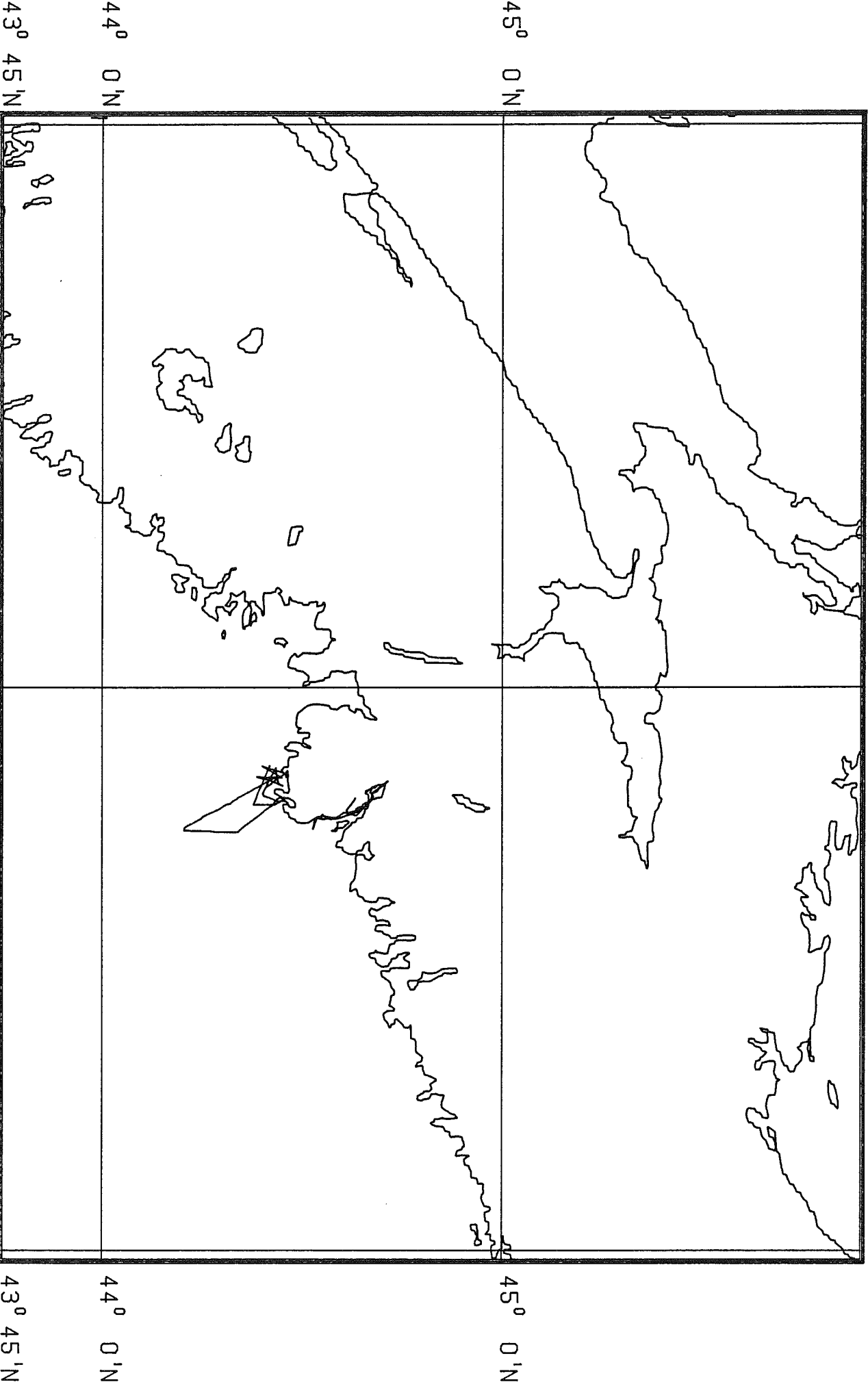
<b>TAPE #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>TYPE</b>	<b>GEOGRAPHIC AREA</b>
001	146/0107	147/1853	1-4	Airgun	Emerald & LaHave Basin
002	147/0630	147/1853	5-9		LaHave & Sable Island Bank
003	148/1853	151/0025	9-23		Sable Island Bank & The Gully
004	151/0025	152/0136	24-27		Albatross Area
005	152/0136	153/0500	28-32		Albatross Lower Slope & Slope
006	153/	154/0530	32,33		Albatross Slope
007	154/0535	156/0300	33-38		Albatross Slope & Rise of George's Bank
008	156/0303	156/1330	38,39		Rise of George's Bank
009	158/2205	159/0528	40-42		Rise of George's Bank
010	159/0700	160/0534	43-45		Rise of George's Bank & Central Scotian Shelf
011	160/0536	160/1631	45		Central Scotian Shelf
001	146/0107	146/0320	1	Huntec	Emerald Basin
002	146/0334	146/0646	1,2		Emerald Basin
003	146/0648	146/0842	2		Emerald Basin
004	147/0133	147/0400	3		Emerald Basin
005	147/0403	147/0702	4		LaHave Basin
006	147/0703	147/0930	5		LaHave Basin
007	148/0100	148/0425	6		Sable Island Bank
008	148/0428	148/1555	6,7		Sable Island Bank
009	148/1558	148/1912	8,9		Sable Island Bank

CRUISE TRACKS - 88018 PHASE1  
1#1,500,000 (MERCATOR, 44N)

M 0 99

M 0 99

M 0 29



43° 45' N

44° 0' N

45° 0' N

43° 45' N

44° 0' N

45° 0' N

**LOG BOOK INVENTORY 88-018-1A**

<b>RECORD #</b>	<b>DAY</b>	<b>TYPE</b>
001	149-154	General

**BATHYMETRY RECORD INVENTORY 88-018-1A**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>GEOGRAPHIC AREA</b>
001	149/1425	149/1947	Test Line	R495	30 kHz	Bedford Basin
002	150/1134	150/2050	Test Line	R495		Halifax Harbour
003	152/1120	152/1915	1,2	R495		Sambro
004	152/1920	153/1750	2,3	R495		Sambro
005	153/1536	154/1830	3,4,5	R495		Sambro

**SEISMIC RECORD INVENTORY 88-018-1A**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>GEOGRAPHIC AREA</b>
001	149/1530	149/1638	Test Line	R495	Huntec Sea Lion	Bedford Basin
002	149/1650	149/1947	Test Line	R495	Various	Bedford Basin
003	150/1232	150/2006	Test Line	R495	Various	Halifax Harbour
004	152/1138	152/1652	1,2	R495	Bubble Pulser	Sambro
005	152/1659	153/1636	2,3	R495	Geopulse	Sambro
006	153/1711	153/1908	4	R495	Bubble Pulser	Sambro
007	154/1614	154/1832	5	R495	Huntec Sea Lion	Sambro

**SIDESCAN RECORD INVENTORY 88-018-1A**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>GEOGRAPHIC AREA</b>
001	149/1408	149/1852	Test Line	R495	Altitude 100 kHz	Bedford Basin
002	149/1854	150/1702	Test Line	R495		Bedford Basin
003	150/1705	150/2050	Test Line	R495		Halifax Harbour
004	152/1127	152/1353	1	R495		Sambro
005	152/1354	152/2010	1,2	R495		Sambro
006	152/2010	153/1532	2,3	R495		Sambro
007	153/1534	153/1911	3,4	R495		Sambro
008	154/1559	154/1832	5	R495		Sambro
001	149/1429	149/1953	Test Line	R495	Klein 100 kHz	Bedford Basin
002	150/1145	150/1718	Test Line	R495		Halifax Harbour
003	150/1719	150/1834	Test Line	R495		Halifax Harbour
004	150/1839	150/1956	Test Line	R495		Halifax Harbour
005	150/1958	150/2050	Test Line	R495		Halifax Harbour
006	152/1128	152/1704	1,2	R495		Sambro
007	152/1705	152/1902	2	R495		Sambro
008	152/1907	152/2054	2	R495		Sambro
009	153/1058	153/1431	3	R495		Sambro
010	153/1433	153/1910	3,4	R495		Sambro
011	154/1557	154/1832	5	R495		Sambro

**MAGNETIC RECORDS 88-018-1A**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>
001	150/1805	150/1830	Test Line
002	152/1140	154/1820	1-5



**TAPE INVENTORY 88-018-1A**

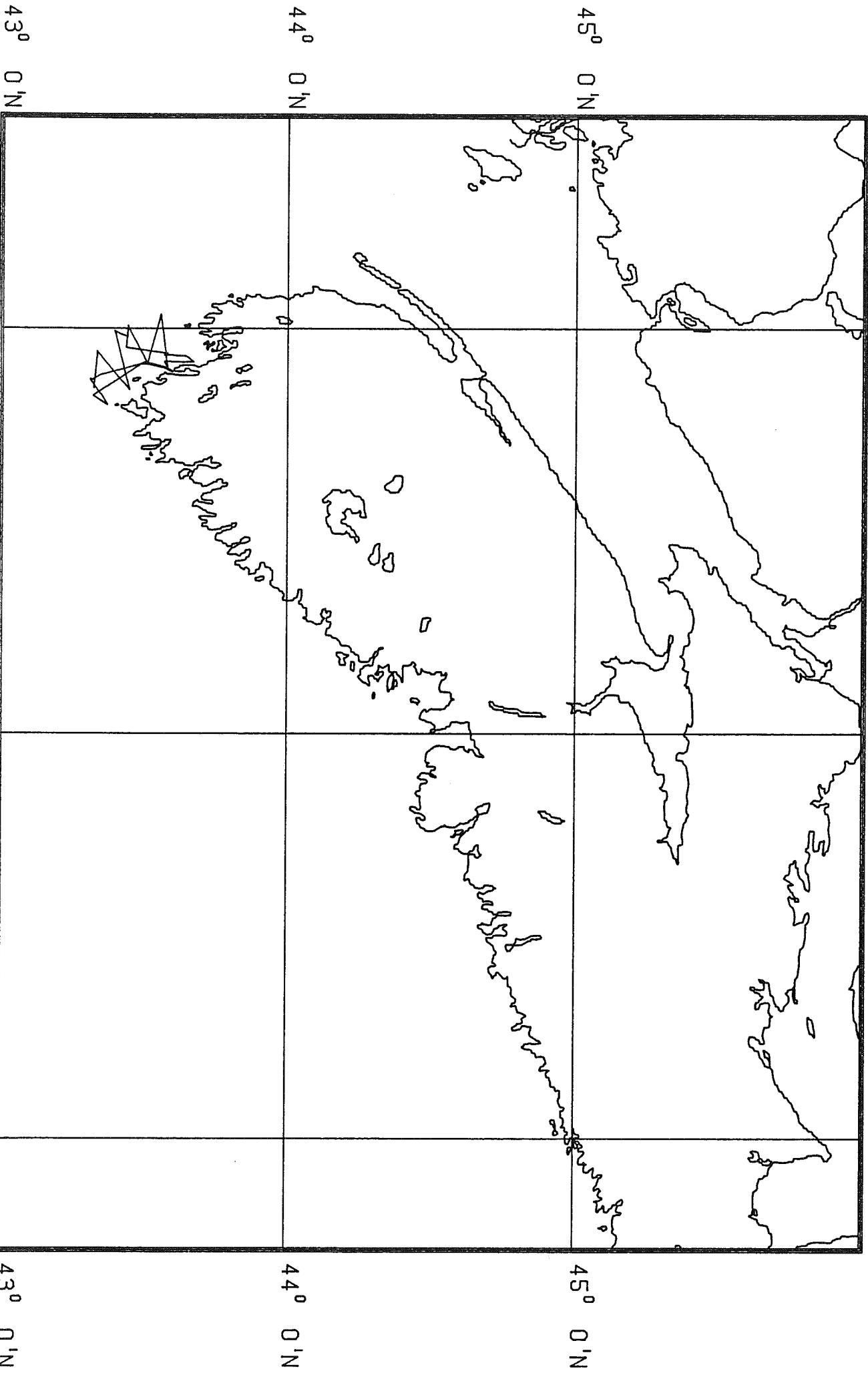
<b>TAPE #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>LINE #</b>
001	149/1500	150/1408	Test Line
002	150/1410	150/1820	Test Line
003	150/1828	150/2100	Test Line
004	152/1130	152/1500	1
005	152/1503	152/1816	1,2
006	152/1818	152/2057	2
007	153/1114	153/1430	3
008	153/1430	153/1750	3,4
009	153/1755	154/1800	4,5
010	154/1804	154/1850	5

CRUISE TRACKS - 88018 PHASE2  
1#2,000,000 (MERCATOR, 45N)

66° 0' W

64° 0' W

62° 0' W



43° 0' N

44° 0' N

45° 0' N

43° 0' N

44° 0' N

45° 0' N

**LOG BOOK INVENTORY 88-018-2B**

<b>RECORD #</b>	<b>DAY</b>	<b>TYPE</b>
001	158-162	General

**BATHYMETRY RECORD INVENTORY 88-018-2B**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>GEOGRAPHIC AREA</b>
001	158/1020	159/1720	1,2,3,4	R493	30 kHz	Yarmouth South
002	159/1720	162/1435	4,5,6	R493		Yarmouth South

**SEISMIC RECORD INVENTORY 88-018-2B**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>GEOGRAPHIC AREA</b>
001	158/1030	158/1636	1,2	R493	Geopulse	Yarmouth South
002	159/1025	159/1731	4	R493		Yarmouth South
003	159/1741	160/1906	4-5	R493		Yarmouth South
004	161/1130	161/1921	6	R493		Yarmouth South

**SIDESCAN RECORD INVENTORY 88-018-2B**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>GEOGRAPHIC AREA</b>
001	158/1020	158/1530	1-2	R493	Altitude 100 kHz	Yarmouth South
002	158/1532	158/1630	2	R493		Yarmouth South
003	159/1016	159/1504	4	R493		Yarmouth South
004	159/1507	159/2026	4	R493		Yarmouth South
005	160/1551	160/1600	5	R493		Yarmouth South
006	160/1603	160/1909	5	R493		Yarmouth South
007	161/1134	161/1415	6	R493		Yarmouth South
008	161/1410	161/1926	6	R493		Yarmouth South
001	158/1020	158/1527	1-2	R493	Klein 100 kHz	Yarmouth South
002	158/1529	158/1634	2	R493		Yarmouth Sound
003	159/1024	159/1742	4	R493		Yarmouth South
004	159/1748	159/2026	4	R493		Yarmouth South
005	160/1551	160/1909	5	R493		Yarmouth South
006	161/1134	161/1619	6	R493		Yarmouth South
007	161/1621	161/1926	6	R493		Yarmouth South

**MAGNETIC RECORDS 88-018-2B**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>
001	158/1030	161/1920	1-6

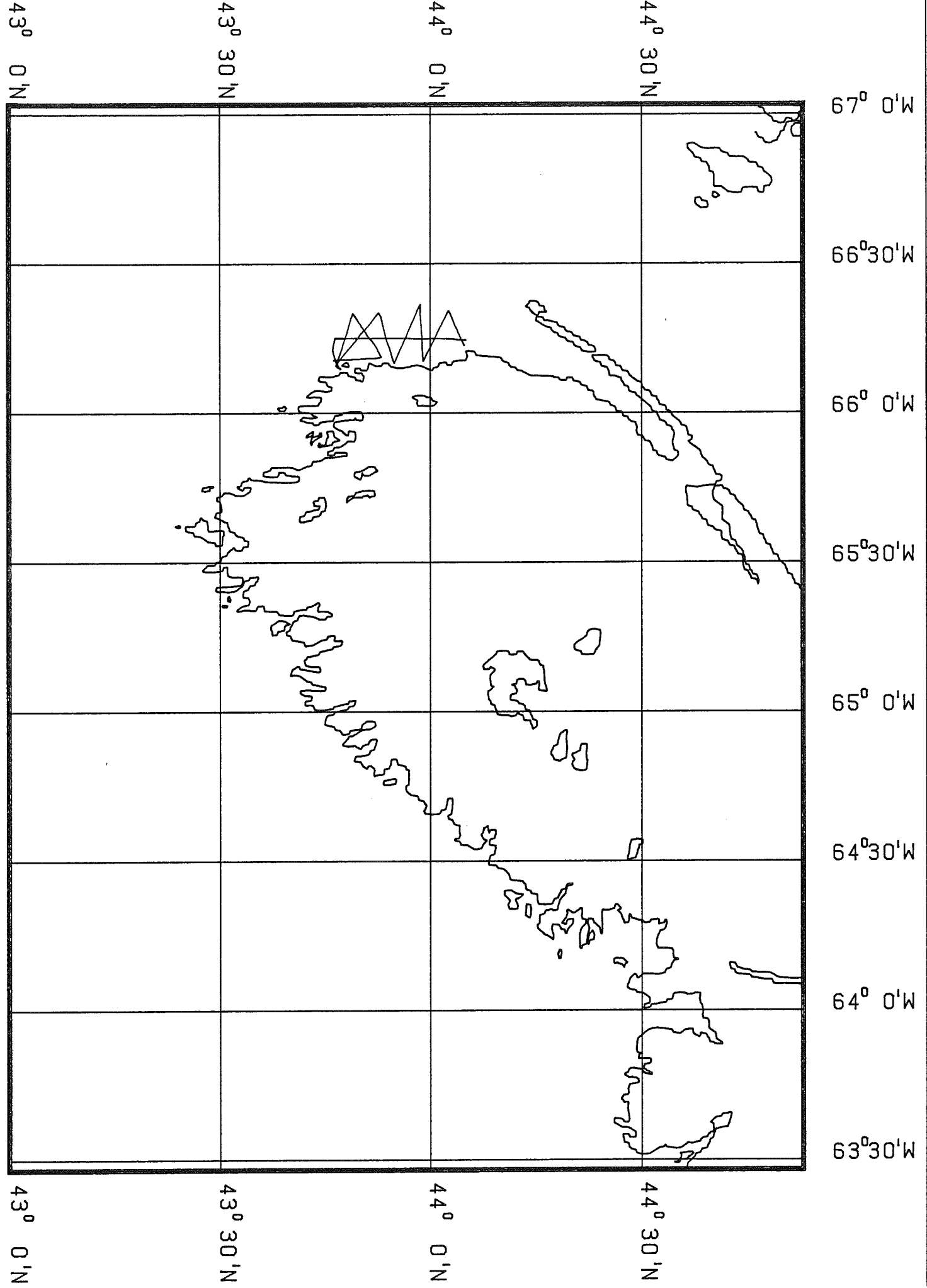
**NAVIGATION RECORDS 88-018-2B**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	158/1011	158/1802	R493	Loran-C
002	159/1011	159/2021	R493	
003	160/1540	160/1910	R493	
004	161/1130	161/1926	R493	

TAPE INVENTORY 88-018-2B

TAPE #	START DAY/ TIME	STOP DAY/ TIME	LINE #
001	158/1025	158/1348	
002	158/1355	158/1058	
003	159/1058	159/1407	4
004	159/1410	159/1730	4
005	159/1735	160/1625	4
006	160/1630	161/1205	
007	161/1209	161/1527	
008	161/1530	161/1842	
009	161/1845	161/1930	

UNIQUE IDENTIFICATION NUMBER (MERCATOR, 44N)  
1# 1,300,000



**LOG BOOK INVENTORY 88-018-3B**

<b>RECORD #</b>	<b>DAY</b>	<b>TYPE</b>
001	163-167	General

**BATHYMETRY RECORD INVENTORY 88-018-3B**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>GEOGRAPHIC AREA</b>
001	163/1548	163/2030	1	R494	30 kHz	Yarmouth North
002	164/1050	167/2020	2-3	R494		Yarmouth North

**SEISMIC RECORD INVENTORY 88-018-3B**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>GEOGRAPHIC AREA</b>
001	163/1552	163/2030	1	R494	Geopulse	Yarmouth North
002	164/1136	164/2302	2	R494		Yarmouth North
003	164/1747	167/2020	2-3	R494		Yarmouth North

**SIDESCAN RECORD INVENTORY 88-018-3B**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>GEOGRAPHIC AREA</b>
001	163/1548	163/2035	1	R494	Altitude 100 kHz	Yarmouth North
002	164/1054	164/1138	2	R494		Yarmouth North
003	167/1640	167/2023	3	R494		Yarmouth North
001	163/1548	163/2035	1	R494	Klein 100 kHz	Yarmouth North
002	164/1054	164/1440	2	R494		Yarmouth North
003	164/1443	164/2037	2	R494		Yarmouth North
004	167/1641	167/2023	3	R494		Yarmouth North

**MAGNETIC RECORDS 88-018-3B**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>
001	163/1600	167/2020	1,2,3

**NAVIGATION RECORDS 88-018-3B**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	163/1544	163/2036	R494	Loran-C
002	164/1052	164/2033	R494	
003	167/1627	167/2023	R494	



TAPE INVENTORY 88-018-3B

2

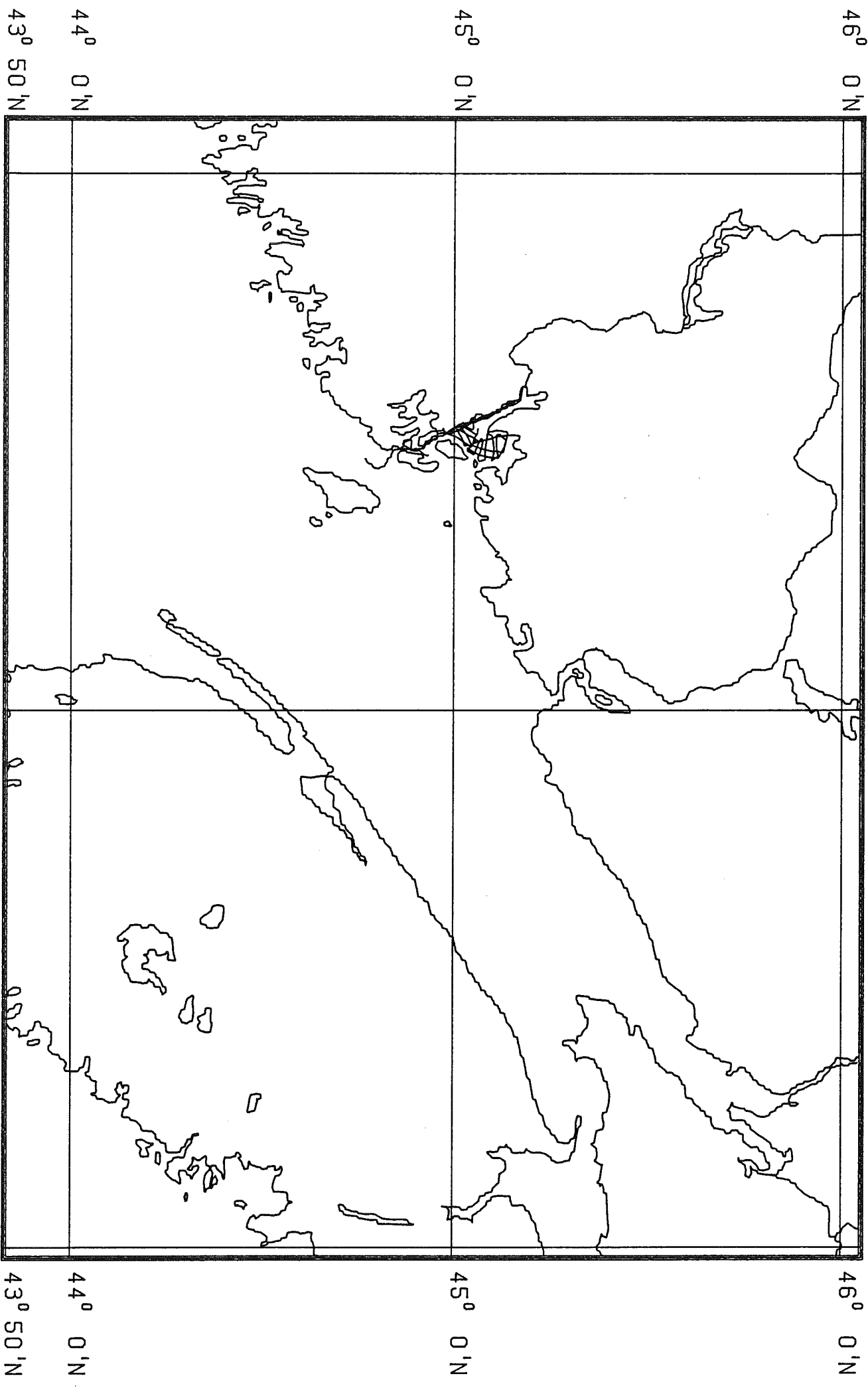
TAPE #	START DAY/TIME	STOP DAY/TIME	LINE #
001	163/1555	163/1904	
002	163/1906	164/1232	
003	164/1235	164/1543	2
004	164/1545	164/1855	
005	164/1858	167/1813	3
006	167/1814	167/2020	3

CRUISE TRACKS - 88018 PHASE 4  
1# 1,500,000 (MERCATOR, 45N)

68° 0' W

66° 0' W

64° 0' W



46° 0' N

45° 0' N

44° 0' N

43° 50' N

46° 0' N

45° 0' N

44° 0' N

43° 50' N

**LOG BOOK INVENTORY 88-018-4C**

<b>RECORD #</b>	<b>DAY</b>	<b>TYPE</b>
001	180-183	General

**BATHYMETRY RECORD INVENTORY 88-018-4C**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>
001	180/1400	180/2110	1	R500	30 kHz
002	180/2111	183/1958	1,2,3,4	R500	

**SEISMIC RECORD INVENTORY 88-018-4C**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>
001	180/1434	180/1903	1	R500	Bubble Pulser
002	180/1906	180/2152	1	R500	
003	181/1142	181/1947	2	R500	
004	182/1230	182/1612	3	R500	
005	182/1614	182/2037	3	R500	
006	183/1610	183/1957	4	R500	
001	181/1456	181/1945	2	R500	Geopulse Sparker
001	180/1433	180/1622	1	R500	Huntec Sea Lion
002	180/1624	180/2200	1	R500	
003	181/1137	181/1444	2	R500	
004	182/1213	182/2037	3	R500	
005	183/1601	183/1957	4	R500	

**SIDECAN RECORD INVENTORY 88-018-4C**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>
001	180/1359	180/1859	1	R500	100 kHz Klein
002	180/1902	180/2204	1	R500	
003	181/1135	181/1823	2	R500	
004	181/1826	181/1953	2	R500	
005	182/1202	182/1637	3	R500	
006	182/1640	182/2043	3	R500	
007	183/1612	183/1844	4	R500	
008	183/1847	183/2005	4	R500	

**MAGNETIC RECORDS 88-018-4C**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>
001	180/1500	183/2000	1-4

**NAVIGATION RECORDS 88-018-4C**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	180/1425	180/2203	R500	Loran-C
002	181/1132	181/1953	R500	
003	182/1204	182/2038	R500	
004	183/1554	183/2003	R500	

**TAPE INVENTORY 88-018-4C**

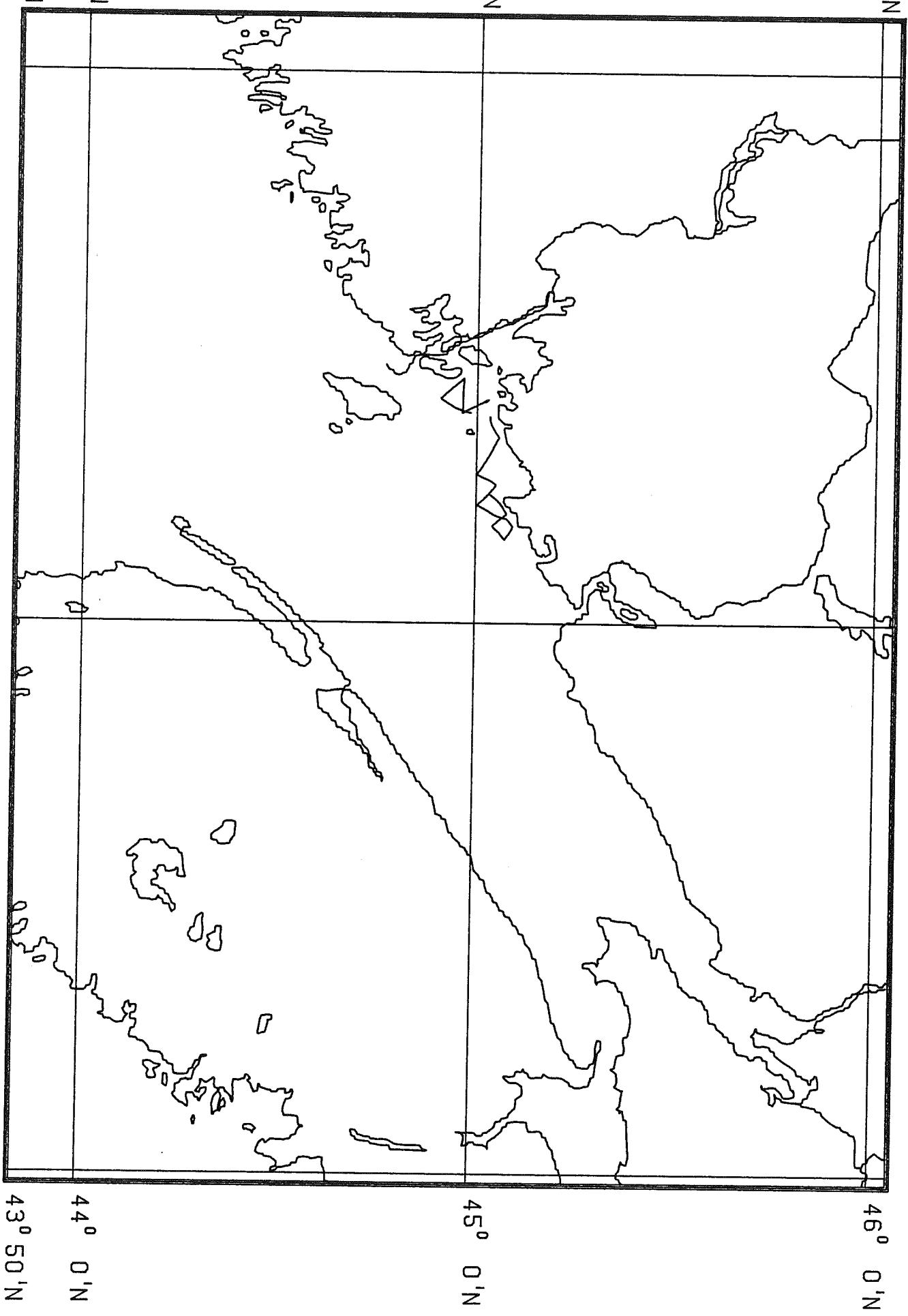
<b>TAPE #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>
001	180/1400	180/1710
002	180/1717	180/2024
003	180/2026	181/1250
004	181/1300	181/1615
005	181/1618	181/1925
006	181/1930	182/1518
007	182/1521	182/1832
008	182/1834	183/1718
009	183/1721	183/2000

1# 1,500,000 (MERCATOR, 45N)

M.O. 89

M.O. 99

M.O. 49



46° 0' N  
45° 0' N  
44° 0' N  
43° 50' N

46° 0' N  
45° 0' N  
44° 0' N  
43° 50' N

**LOG BOOK INVENTORY 88-018-5C**

<b>RECORD #</b>	<b>DAY</b>	<b>TYPE</b>
001	184-185	General

**BATHYMETRY RECORD INVENTORY 88-018-5C**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>
001	184/1625	185/1845	1-2	R501	30 kHz

**SEISMIC RECORD INVENTORY 88-018-5C**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>
001	184/1648	184/2133	1	R501	Bubble Pulser
002	185/1156	185/1834	1	R501	
001	185/1134	185/1834	2	R501	Geopulse Sparker
001	184/1647	184/2138	1	R501	Huntec Sea Lion

**SIDESCAN RECORD INVENTORY 88-018-5C**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>
001	184/1644	184/1913	1	R501	100 kHz Klein
002	184/1915	184/2141	1	R501	
003	185/1154	185/1549	2	R501	
004	185/1551	185/1854	2	R501	

**MAGNETIC RECORDS 88-018-5C**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>
001	184/1700	185/1845	1,2

**NAVIGATION RECORDS 88-018-5C**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	184/1620	184/2138	R501	Loran-C
002	185/1127	185/1846	R501	

**TAPE INVENTORY 88-018-5C**

<b>TAPE #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>
001	184/1627	184/1935
002	184/1936	185/1302
003	185/1305	185/1614
004	185/1616	185/1845

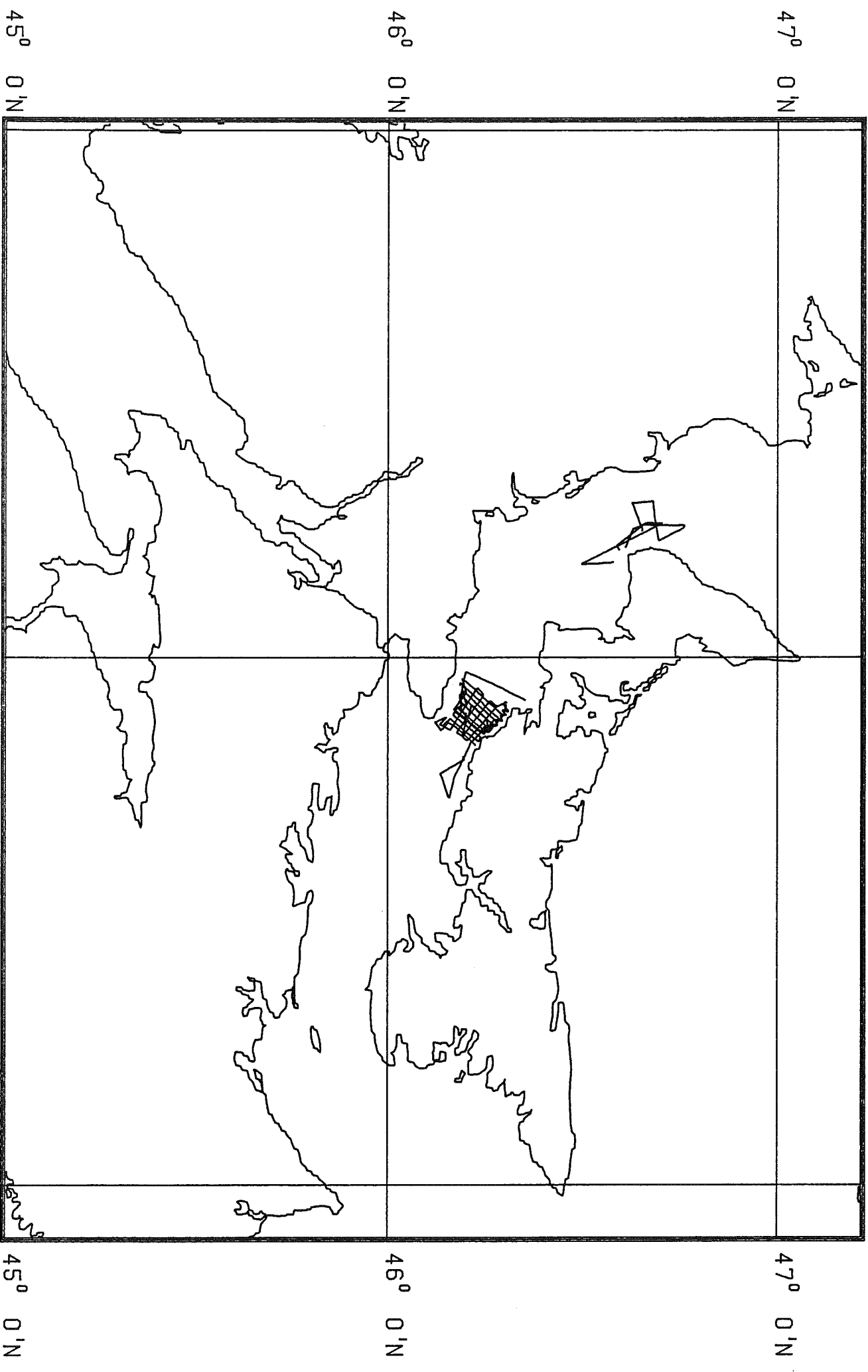


CRUISE TRACKS - 88018 PHASE6  
1#1,500,000 (MERCATOR, 46N)

M 0  
66°

M 0  
64°

M 0  
62°



45° 0' N

46° 0' N

47° 0' N

45° 0' N

46° 0' N

47° 0' N

LOG BOOK INVENTORY 88-018-6/7D

RECORD #	DAY	TYPE
001	191-203	General

BATHYMETRY RECORD INVENTORY 88-018-6/7D

RECORD #	START DAY/TIME	STOP DAY/TIME	LINE #	BOX #	TYPE
001	191/1300	192/1235	1,2	R561	30 kHz
002	192/1240	195/1425	2,3,4	R561	
003	195/1426	197/1726	4,5	R561	
004	198/1205	199/1830	6,7	R561	
005	199/1845	201/1630	7,8,9	R561	
006	201/1635	202/1715	9,10	R561	
007	202/1745	203/1908	10,11	R561	

## SEISMIC RECORD INVENTORY 88-018-6/7D

RECORD #	START DAY/TIME	STOP DAY/TIME	LINE #	BOX #	TYPE
001	191/1310	191/2050	1	R561	Bubble Pulser
002	192/1252	192/1818	2	R561	
003	194/1315	194/2006	3	R561	
004	195/1300	195/2010	4	R561	
005	197/1436	197/1724	5	R561	
006	198/1232	198/1552	6	R561	
007	198/1556	198/2056	6	R561	
008	199/1234	199/2120	7	R561	
009	200/1320	200/1916	8	R561	
010	201/1450	201/1714	9	R561	
011	202/1432	202/1910	10	R561	
012	202/1914	202/2016	10	R561	
013	203/1230	203/1908	11	R561	
001	191/1326	191/1731	1	R561	Geopulse
001	191/1742	191/2052	1	R561	Huntec Sea Lion
002	192/1250	192/1820	2	R561	
003	194/1316	194/2004	3	R561	
004	195/1302	195/2010	4	R561	
005	197/1436	197/1724	5	R561	
006	198/1234	198/2058	6	R561	
007	199/1244	199/1626	7	R561	
008	199/1630	199/2104	7	R561	
009	200/1328	200/1916	8	R561	
010	201/1452	201/1714	9	R561	
011	202/1430	202/2018	10	R561	
012	203/1230	203/1908	11	R561	



**SIDESCAN RECORD INVENTORY 88-018-6/7D**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>
001	191/1300	191/2058	1	R562	100 kHz Klein
002	192/1240	192/1826	2	R562	
003	194/1306	194/1636	3	R562	
004	194/1638	194/2006		R562	
005	195/1254	195/1716	4	R562	
006	195/1718	195/1924	4	R562	
007	195/1930	195/2018	4	R562	
008	197/1432	197/1730	5	R562	
009	198/1222	198/1417	6	R562	
010	198/1419	198/1920	6	R562	
011	198/1924	198/2100	6	R562	
012	199/1220	199/1624	7	R562	
013	199/1626	199/1842	7	R562	
014	199/1848	199/2126	7	R562	
015	200/1314	200/1656	8	R562	
016	200/1700	200/1818	8	R562	
017	200/1822	200/1916	8	R562	
018	201/1444	201/1720	9	R562	
019	202/1420	202/1816	10	R562	
020	202/1818	202/1956	10	R562	
021	202/1958	202/2022	10	R562	
022	203/1224	203/1644	11	R562	
023	203/1646	203/1708	11	R562	
024	203/1710	203/1916	11	R562	

**MAGNETIC RECORDS 88-018-6/7D**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>
001	191/1622	198/1605	1-6
002	198/1743	203/1910	6-11

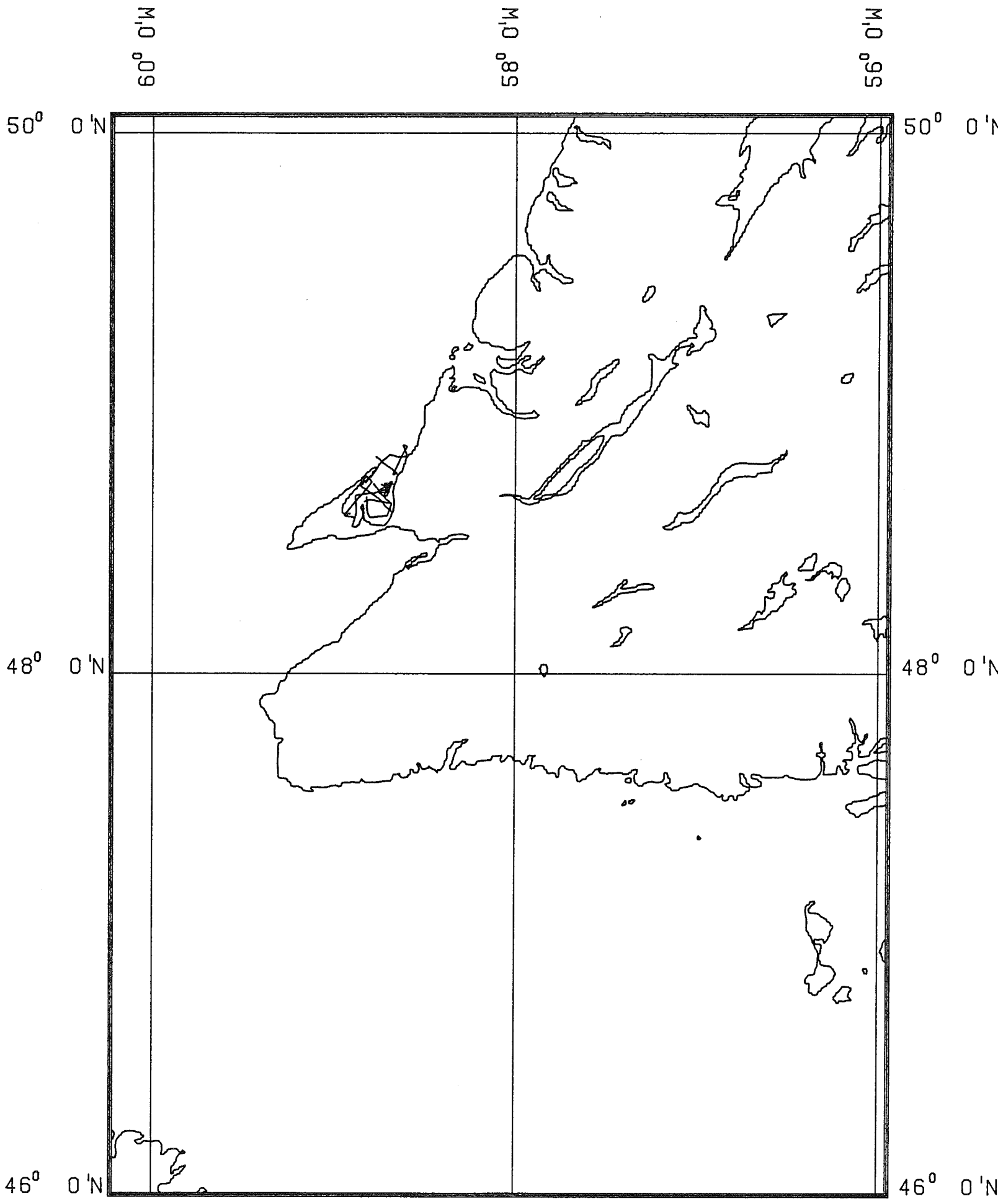
**NAVIGATION RECORDS 88-018-6/7D**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	191/1017	191/2101	R562	Loran-C
002	192/1239	192/2018	R562	
003	194/1243	194/2009	R562	
004	195/1228	195/2022	R562	
005	197/1310	197/1741	R562	
006	198/1116	198/1753	R562	
007	199/1127	199/2128	R562	
008	200/1227	200/1928	R562	
009	201/1324	201/2148	R562	
010	202/1406	202/2020	R562	
011	203/1205	203/1916	R562	

**TAPE INVENTORY 88-018-6/7D**

<b>TAPE #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>LINE #</b>
009	/1632	/1723	5
001	191/1600	191/2012	1
002	191/2016	191/2155	
003	192/1520	192/1820	2
004	194/1313	194/1636	3
005	194/1639	194/1950	3
006	194/1956	194/2005	4
007	195/1549	195/1900	4
008	195/1904	195/2010	4
008	197/1433	197/1628	5
010	198/1438	198/1800	
011	198/1802	198/2056	
012	199/1235	199/1530	7
013	199/1535	199/1900	7
014	199/1904	199/2124	7
014	200/1315	200/1400	8
015	200/1400	200/1712	8
016	200/1716	200/1918	8
017	201/1445	201/1713	9
016	201/1447	201/1545	9
017	202/1439	202/1613	10
018	202/1639	202/1948	10
019	202/1950	202/2024	10
020	203/1507	203/1830	11
021	203/1840	203/1910	11
022	203/1840		11

CRUISE TRACKS - 88018 PHASE 8  
1#2,000,000 (MERCATOR, 48N)





**LOG BOOK INVENTORY 88-018-8E**

<b>RECORD #</b>	<b>DAY</b>	<b>TYPE</b>
001	222-225	General

**BATHYMETRY RECORD INVENTORY 88-018-8E**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>NOTE</b>
001	222/1440	223/1610	1-13	R563	30 kHz	Elac Recorder
002	223/1610	224/2105	13-26	R563		Elac Recorder
003	224/2105	225/2012	26-32	R563		Elac Recorder

**SEISMIC RECORD INVENTORY 88-018-8E**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>NOTE</b>
001	222/1643	222/2039	1-4	R563	Bubble Pulser	EPC 1600
002	223/1109	223/1844	5-18	R563		EPC 1600
003	223/1846	223/2113	18-20	R563		EPC 1600
004	224/1250	224/2213	21-26	R563		EPC 1600
005	225/1100	225/1743	27-32	R563		EPC 1600
001	223/1656	223/1851	15-18	R563	Geopulse	EPC 4100
002	223/1853	223/2113	18-20	R563		EPC 4100
003	224/1250	224/2213	21-26	R563		EPC 4100
004	225/1101	225/1728	27-32	R563		EPC 4100
005	225/1732	225/1743	32	R563		EPC 4100
001	222/1556	222/2039	1-4	R563	Huntec Sea Lion	EPC 4100
002	223/1111	223/1641	5-14	R563		EPC 4100

**SIDESCAN RECORD INVENTORY 88-018-8E**

<b>RECORD #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>
001	222/1634	222/2039	1-4	R563	100 kHz Klein
002	222/1055	223/1406	5-8	R563	
003	223/1407	223/1829	10-18	R563	
004	223/1914	223/2114	19-20	R563	
005	224/1248	224/2213	21-26	R563	
006	225/1101	225/1353	27-28	R563	
007	225/1354	225/1743	29-32	R563	

**MAGNETIC RECORDS 88-018-8E**

<b>RECORD #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>LINE #</b>
001	222/1600	225/1743	1-32

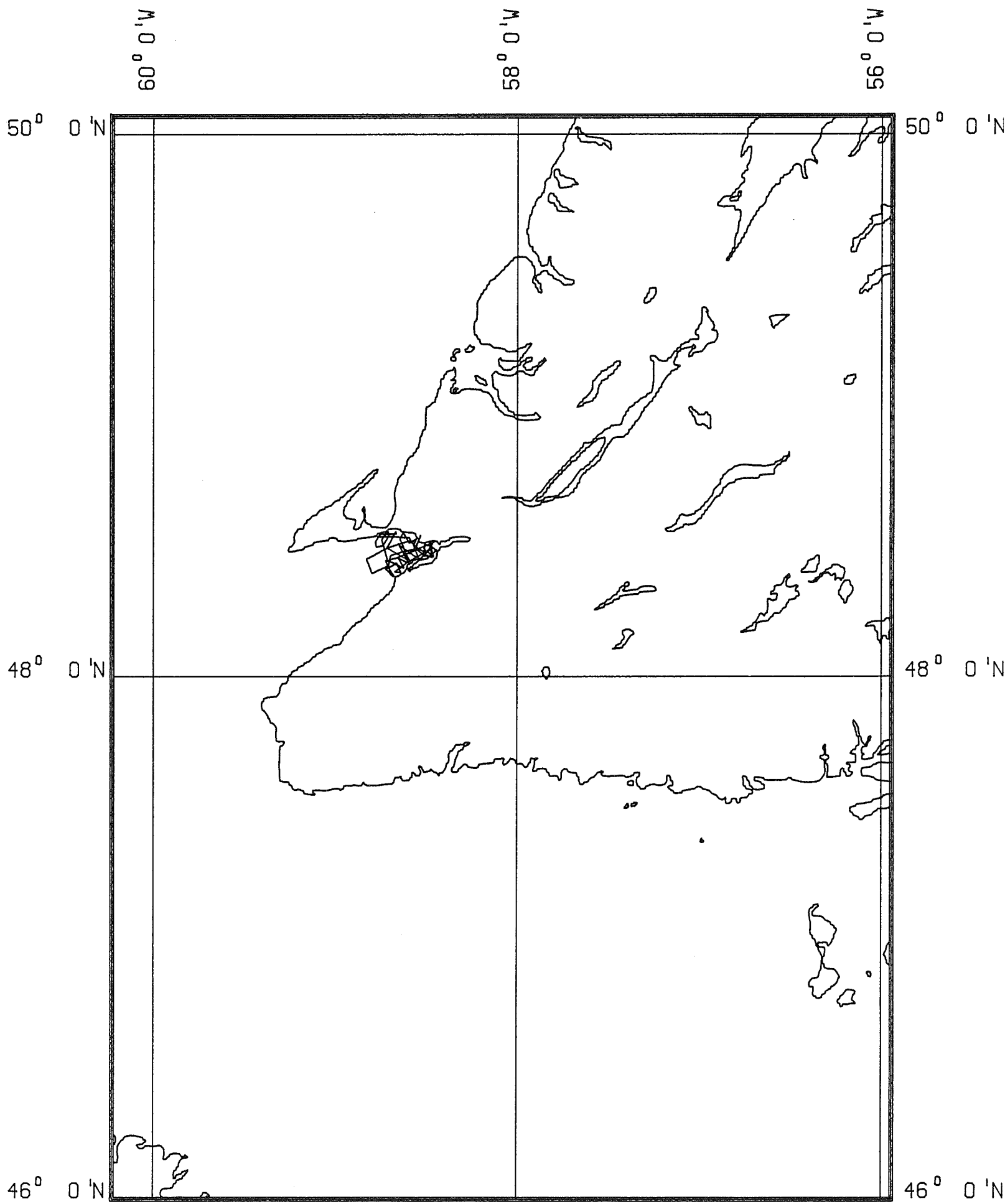
**NAVIGATION RECORDS 88-018-8E**

<b>RECORD #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	222/1631	222/2043	R563	Loran-C
003	224/1245	224/2214	R563	
004	225/1057	225/1746	R563	

**TAPE INVENTORY 88-018-8E**

<b>TAPE #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>
001	222/1524	222/1833
002	222/1835	223/1212
003	222/1215	223/1523
004	223/1525	223/1834
005	224/1915	224/1405
006	225/1409	225/1155
007	225/1214	225/1523
008	225/1526	225/1743

CRUISE TRACKS - 88018 PHASE9  
1:2,000,000 (MERCATOR, 48N)



**LOG BOOK INVENTORY 88-018-9E**

<b>RECORD #</b>	<b>DAY</b>	<b>TYPE</b>
001	227-231	General

**BATHYMETRY RECORD INVENTORY 88-018-9E**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>NOTE</b>
001	227/1030	229/1410	1-25	R564	30 kHz	Elac Recorder
002	229/1411	230/1917	25-38	R564		Elac Recorder
003	230/2006	231/2157	29-51	R564		Elac Recorder

**SEISMIC RECORD INVENTORY 88-018-9E**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>NOTE</b>
001	227/1028	227/2151	1-17	R564	Bubble Pulser	EPC 1600
002	229/1009	229/2112	18-35	R564		EPC 1600
003	230/0953	230/1226	36-38	R564		EPC 1600
004	231/1008	231/2158	39-51	R564		EPC 1600
001	227/1028	227/2151	1-17	R564	Geopulse	EPC 4100
002	229/1011	229/2112	18-35	R564		EPC 4100
003	230/0953	230/1226	36-38	R564		EPC 4100
004	231/1009	231/2158	39-51	R564		EPC 4100

**SIDECAN RECORD INVENTORY 88-018-9E**

<b>RECORD #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>
001	227/1027	227/1429	1-6	R564	100 kHz Klein
002	227/1430	227/1753	6-12	R564	
003	227/1754	227/2152	12-17	R564	
004	229/1009	229/1341	18-22	R564	
005	229/1342	229/1731	23-29	R564	
006	229/1733	229/2111	29-35	R564	
007	230/1014	230/1226	36-38	R564	
008	231/1007	231/1354	39-41	R564	
009	231/1356	231/1732	42-44	R564	
010	231/1733	231/2100	44-50	R564	
011	231/2102	231/2158	50-51	R564	

**MAGNETIC RECORDS 88-018-9E**

<b>RECORD #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>LINE #</b>
001	227/1040	231/2158	1-51

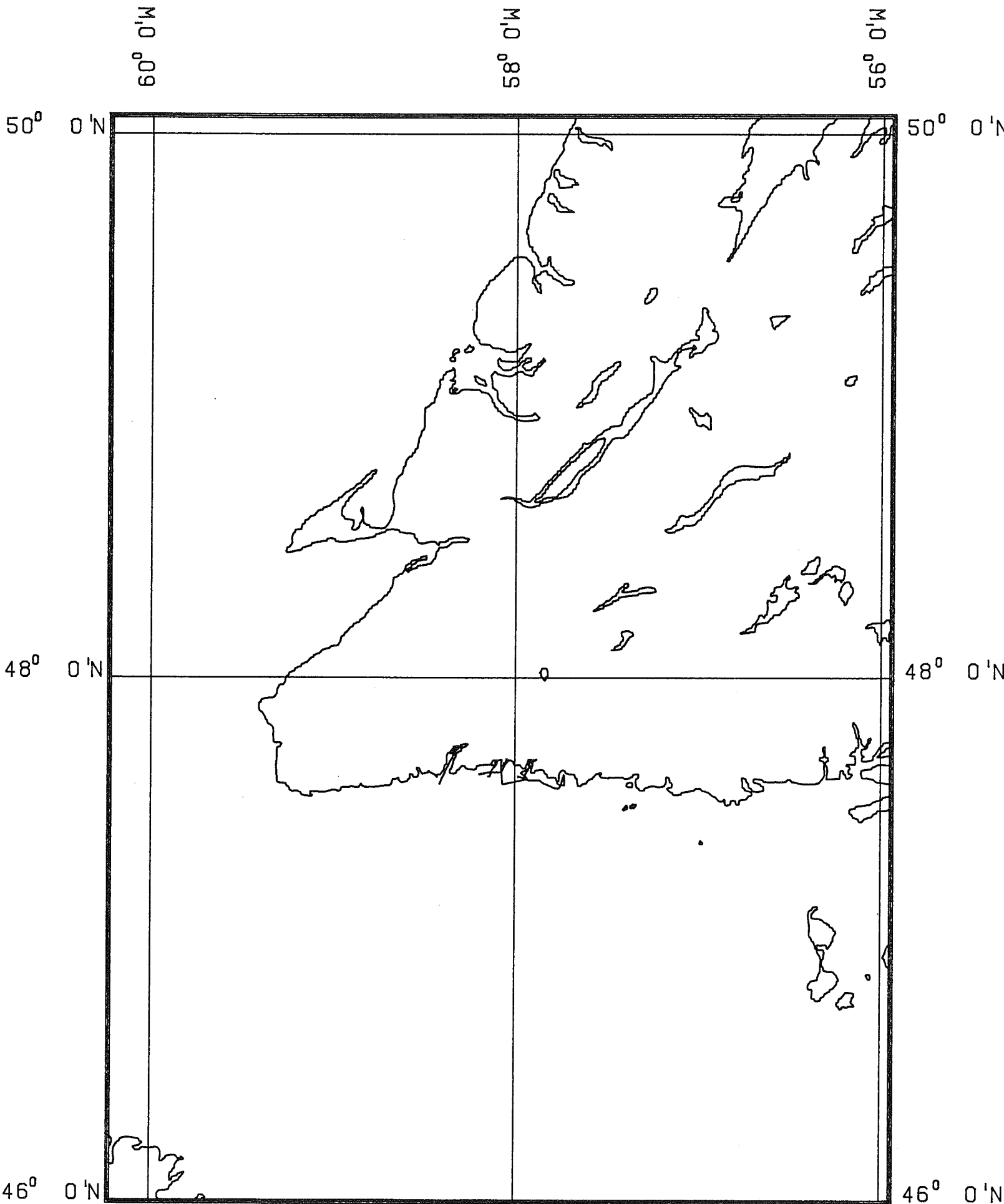
**NAVIGATION RECORDS 88-018-9E**

<b>RECORD #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	227/1020	227/2153	R564	Loran-C
002	229/1004	229/2111	R564	
003	230/0946	230/2115	R564	
004	231/1031	231/2158	R564	

**TAPE INVENTORY 88-018-9E**

<b>TAPE #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>LINE #</b>
001	227/1030	227/1339	
002	227/1343	227/1652	
003	227/1654	227/2003	
004	227/2005	229/1131	
005	229/1134	229/1449	
006	229/1451	229/1801	
007	229/1803	229/2110	
008	230/1015	231/1104	36,40
009	231/1107	231/1415	40,42
010	231/1418	231/1728	42
011	231/1731	231/2040	
012	231/2043	231/2157	

CRUISE TRACKS - 88018 PHASE11  
1#2,000,000 (MERCATOR, 48N)





**LOG BOOK INVENTORY 88-018-11E**

<b>RECORD #</b>	<b>DAY</b>	<b>TYPE</b>
001	234-236	General

**BATHYMETRY RECORD INVENTORY 88-018-11E**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>NOTE</b>
001	234/1020	235/1615	1-27	R565	30 kHz	Elac Recorder
002	235/1623	236/2027	28-43	R565		Elac Recorder

**SEISMIC RECORD INVENTORY 88-018-11E**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>NOTE</b>
001	234/1020	234/1952	1-22	R565	Bubble Pulser	EPC 1600
002	235/1108	235/1523	23-27	R565		EPC 1600
003	236/1035	236/1758	28-40	R565		EPC 1600
001	234/1020	234/1952	1-22	R565	Geopulse	EPC 4100
002	235/1109	235/1523	23-27	R565		EPC 4100
003	236/1035	236/1738	28-39	R565		EPC 4100

**SIDESCAN RECORD INVENTORY 88-018-11E**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>
001	234/1028	234/1416	1-10	R565	100 kHz Klein
002	234/1419	234/1754	11-17	R565	
003	234/1755	234/1952	18-22	R565	
004	235/1107	235/1523	23-27	R565	
005	236/1038	236/1208	28-33	R565	
006	236/1427	236/1757	34-40	R565	

**MAGNETIC RECORDS 88-018-11E**

<b>RECORD #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>LINE #</b>
001	234/1030	236/1750	1-40

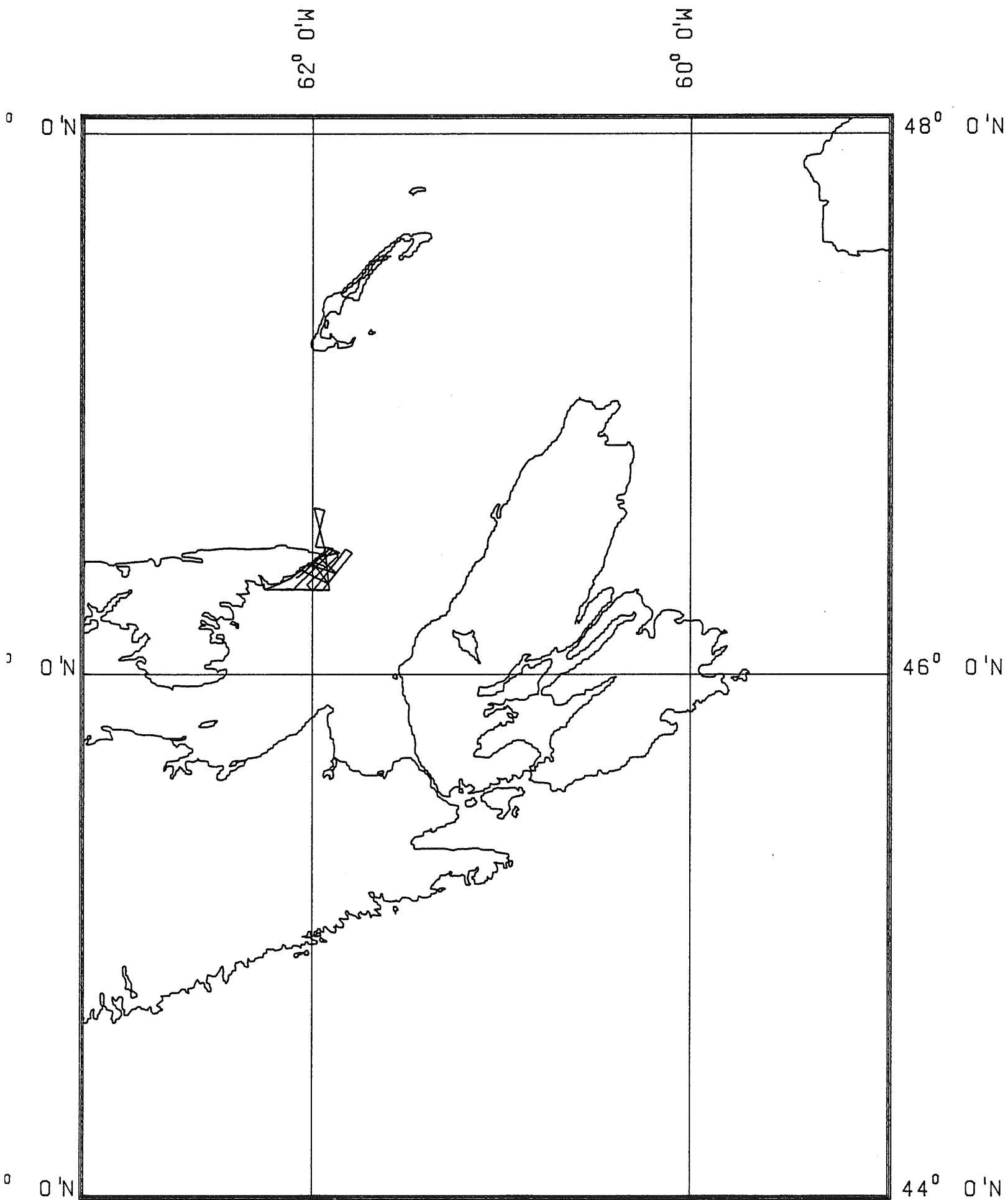
**NAVIGATION RECORDS 88-018-11E**

<b>RECORD #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	234/1017	234/1955	R565	Loran-C
002	235/1111	235/2321	R565	
003	236/1030	236/1840	R565	

**TAPE INVENTORY 88-018-11E**

<b>TAPE #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>LINE #</b>
001	234/1027	234/1340	
002	234/1345	234/1652	
003	235/1654	234/1951	
004	235/1108	235/1418	23,25
005	235/1421	236/1642	
006	236/1644	236/1759	

RUISE TRACKS - 88018 PHASE12  
#2,000,000 (MERCATOR, 46N)



**LOG BOOK INVENTORY 88-018-12F**

<b>RECORD #</b>	<b>DAY</b>	<b>TYPE</b>
001	269-276	General
002		Navigation

**BATHYMETRY RECORD INVENTORY 88-018-12F**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>NOTE</b>
001	269/1853	270/1120	1	R610	30 kHz	Elac
002	270/1140	270/1920	2-5	R610		Elac
003	270/1925	270/2155	6,7	R610		Elac
004	271/1200	271/2028		R610		Elac
005	274/1310	276/1310	8-14	R610		Elac
006	276/1320	276/2317	14-19	R610		Elac
007	277/1342	277/1916		R610		Elac (Grabs 42-61)
008	277/1937	278/0106		R610		Elac (Grabs 62-86)

**SEISMIC RECORD INVENTORY 88-018-12F**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>
001	289/1832	269/2230	1	R610	Bubble Pulser
002	270/1128	270/2156	2-7	R610	
003	274/1304	274/2222	8-11	R610	
004	275/1154	275/1632	12,13	R610	
005	276/1241	276/2314	14-19	R610	
001	269/1838	269/2230	1	R610	Geopulse
002	276/1241	276/1544	14,15	R610	
003	276/1556	276/2314	15-19	R610	
001	270/1128	270/1430	2	R610	Huntec Sea Lion
002	270/1509	270/2156	3-7	R610	
003	274/1252	274/1540	8	R610	
004	274/1616	274/2222	9-11	R610	
005	275/1316	275/1632	12,13	R610	

**SIDESCAN RECORD INVENTORY 88-018-12F**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>
001	269/1900	269/2027	1	R611	100 kHz Klein
002	269/2030	269/2330	1	R611	
003	270/1140	270/1440	2	R611	
004	270/1445	270/1838	2-4	R611	
005	270/1840	270/2017	4-6	R611	
006	270/2020	270/2156	6,7	R611	
007	274/1252	274/1500	8	R611	
008	274/1510	274/2046	8-11	R611	
009	274/2057	274/2220	11	R611	
010	275/1154	275/1540	12	R611	
011	275/1542	275/1636	13	R611	
012	276/1250	276/1646	14,15	R611	
013	276/1720	276/2252	15-19	R611	
014	276/2252	276/2315		R611	

**MAGNETIC RECORDS 88-018-12F**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>
001	269/1930	276/1750	1-19

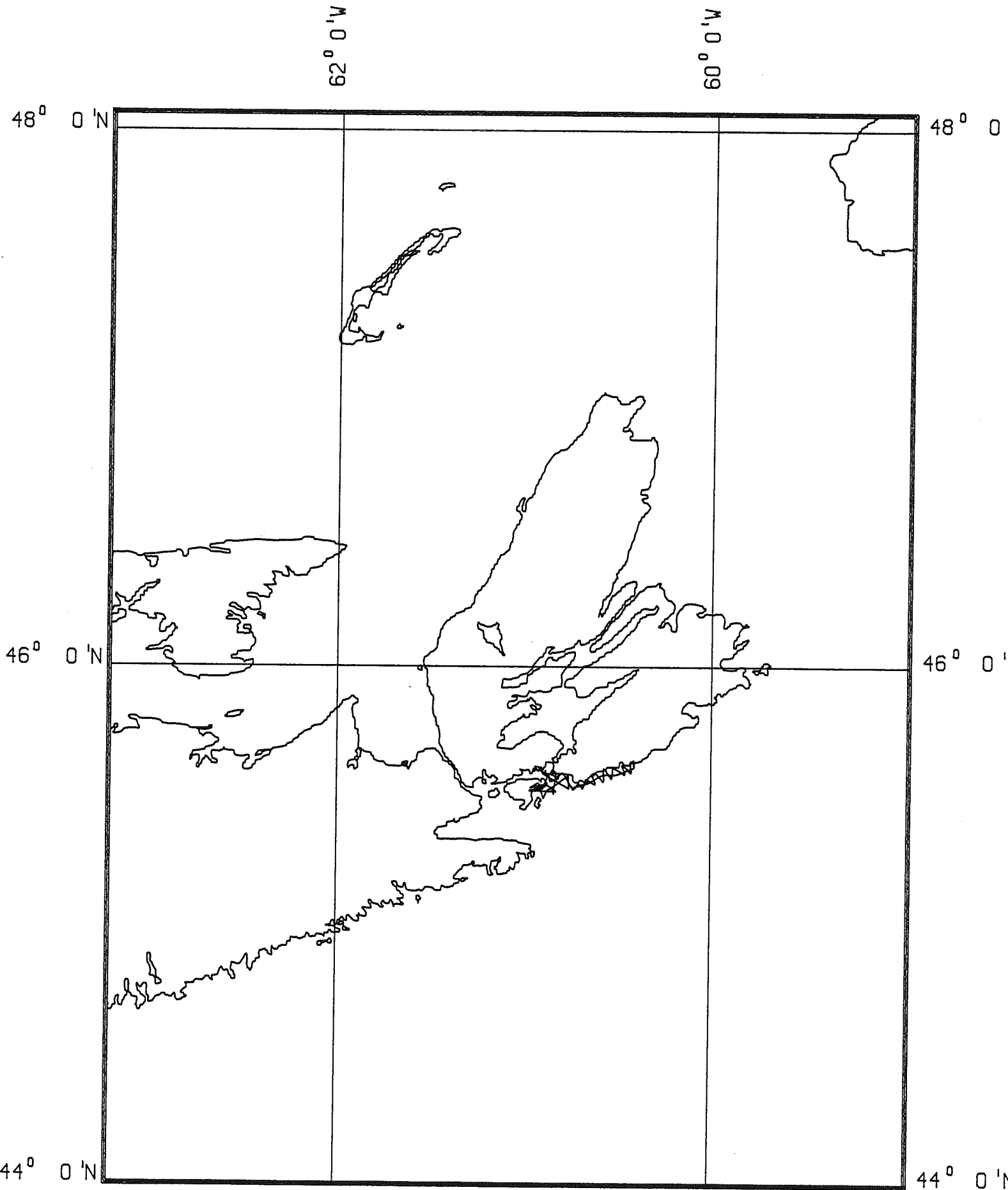
**NAVIGATION RECORDS 88-018-12F**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	269/1125	269/2236	R610	Loran-C
002	270/1116	270/2203	R610	
003	274/1239	274/2228	R610	
004	275/1142	275/1636	R610	
005	276/1226	276/2322	R610	30 kHz

TAPE INVENTORY 88-018-12F

TAPE #	START DAY/TIME	STOP DAY/TIME	LINE #
001	269/1847	269/2000	1
002	269/2200	270/1430	1,2
003	270/1430	270/1740	2-4
004	270/1741	270/2100	4-7
005	270/2100	274/1506	1-8
006	274/1510	274/1815	8,10
007	274/1819	274/2126	10,11
008	274/2130	275/1415	11,12
009	275/1420	276/1337	12-14
010	275/1337	276/1647	14,15
011	276/1648	276/1958	15,16
012	276/2000	276/2305	17-19
013	276/2310	276/2315	19

CRUISE TRACKS - 88018 PHASE13  
1:3,000,000 (MERCATOR, 45N)





**LOG BOOK INVENTORY 88-018-13G**

<b>RECORD #</b>	<b>DAY</b>	<b>TYPE</b>
001	283-287	General

**BATHYMETRY RECORD INVENTORY 88-018-13G**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>NOTE</b>
001	283/1720	283/2252	1-11	R612	30 kHz	
002	284/1140	286/1307	12-31	R612		
003	287/1202	287/2310	32-53	R612		
004	288/1138	288/1534		R612		Grab Stations

**SEISMIC RECORD INVENTORY 88-018-13G**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>	<b>NOTE</b>
001	283/1718	283/2252	1-11	R612	Bubble Pulser	
002	284/1136	284/1527	12-18	R612		
003	284/1529	284/1714	18-22	R612		
004	285/1238	285/1427	23-26	R612		
005	286/1124	286/1307	27-31	R612		
006	287/1205	287/2309	32-53	R612		
001	283/1718	283/2252	1-11	R612	Geopulse	EPC 4100
002	284/1134	284/1317	12-14	R612		EPC 4100
003	284/1319	284/1714	15-22	R612		EPC 4100
004	285/1238	285/1427	23-26	R612		EPC 4100
005	286/1124	286/1307	27-31	R612		EPC 4100
006	287/1205	287/1825	32-47	R612		EPC 4100
007	287/1827	287/1914	47-49	R612		EPC 4100

**SIDECAN RECORD INVENTORY 88-018-13G**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>BOX #</b>	<b>TYPE</b>
001	283/1716	283/1930	1-6	R612	100 kHz Klein
002	283/1930	283/2151	6-9	R612	
003	283/2152	283/2253	9-11	R612	
004	284/1144	284/1404	12-15	R612	
005	284/1404	284/1611	15-19	R612	
006	284/1615	284/1716	19-22	R612	
007	285/1231	285/1429	23-26	R612	
008	286/1129	286/1307	27-31	R612	
009	287/1204	287/1258	32-38	R612	
010	287/1359	287/1609	38-42	R612	
011	287/1610	287/1649	43-44	R612	
012	287/1651	287/1857	44-47	R612	
013	287/1859	287/2159	48-52	R612	
014	287/2200	287/2309	52-53	R612	

**MAGNETIC RECORDS 88-018-13G**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>
001	283/1730	287/2320	1-53

**NAVIGATION RECORDS 88-018-13G**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	283/1719	283/2253	R612	Loran-C
002	284/1100	284/1718	R612	
003	285/1229	285/1430	R612	
004	286/1126	286/1309	R612	

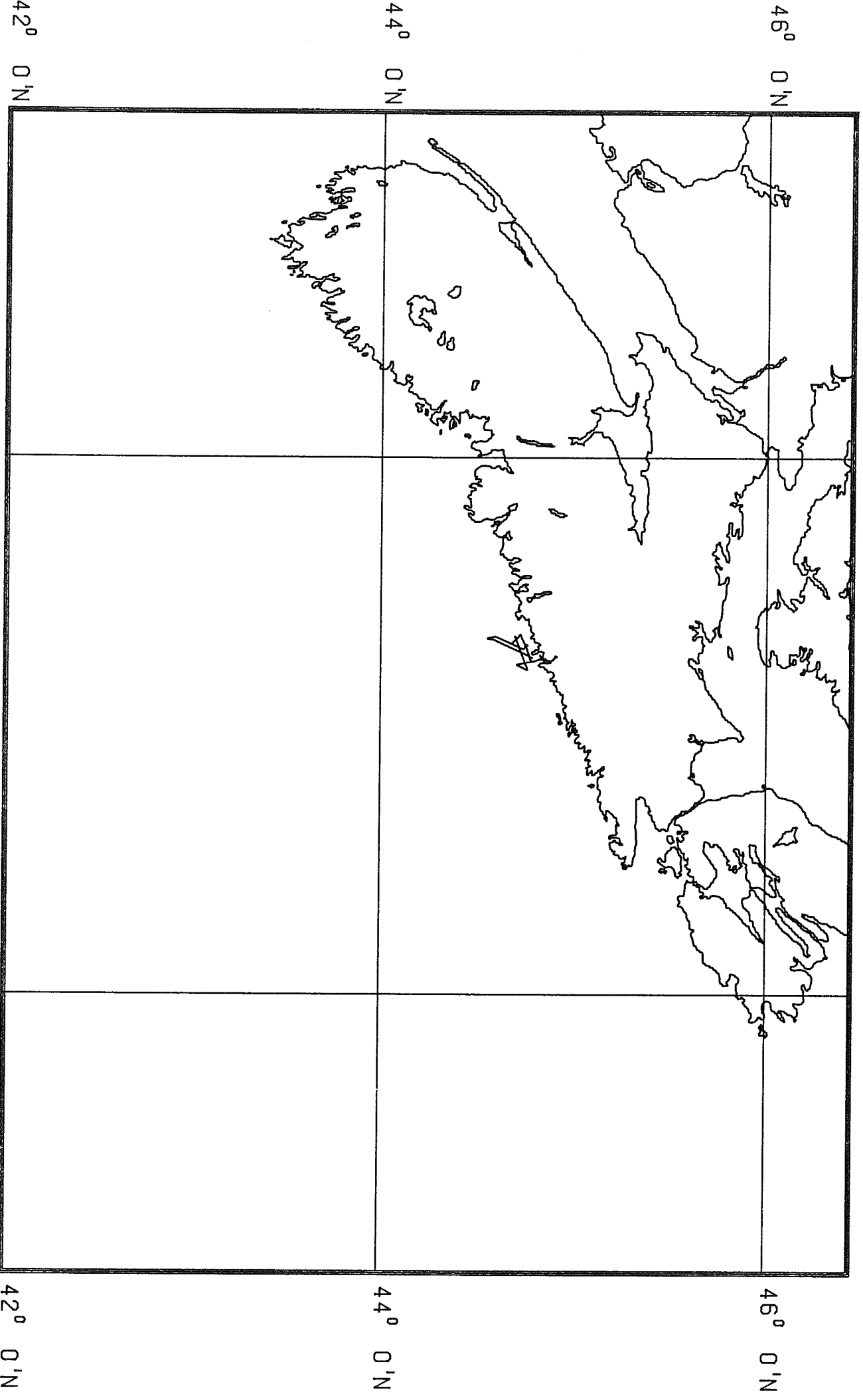
TAPE INVENTORY 88-018-13G

TAPE #	START DAY/ TIME	STOP DAY/ TIME	LINE #
001	283/1735	283/2106	1-8
002	283/2106	284/1330	8-15
003	284/1332	284/1700	15-21
004	284/1700	286/1251	21-30
005	286/1251	287/1456	30-41
006	287/1502	287/1809	41-46
007	287/1814	287/2124	46-51
008	287/2124	287/2310	

CRUISE TRACKS - 88018 PHASE14  
1#3,000,000 (MERCATOR, 45N)

64° 0'W

60° 0'W



46° 0'N

44° 0'N

42° 0'N

46° 0'N

44° 0'N

42° 0'N

**LOG BOOK INVENTORY 88-018-14H**

<b>RECORD #</b>	<b>DAY</b>	<b>TYPE</b>
001	291-293	General

**BATHYMETRY RECORD INVENTORY 88-018-14H**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>	<b>NOTE</b>
001	291/1240	291/2140	R588	30 kHz	Elac
002	291/2144	293/1340	R588		Elac
003	293/1350	293/1950	R588		Elac

**SEISMIC RECORD INVENTORY 88-018-14H**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	291/1240	291/2145	R588	Bubble Pulser
002	292/1209	292/1658	R588	
003	292/2032	293/2304	R588	
004	293/1142	293/1549	R588	
001	291/1243	291/2145	R588	Geopulse
002	292/1207	292/1658	R588	
003	292/2032	292/2304	R588	
001	293/1192	293/1549	R588	Huntec Sea Lion

**SIDESCAN RECORD INVENTORY 88-018-14H**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	291/1241	291/1624	R588	100 kHz Klein
002	291/1241	291/1936	R588	
003	291/1242	291/2131	R588	
004	292/2034	292/2304	R588	
005	292/1210	292/1534	R588	
006	292/1536	292/1702	R588	
007	293/1142	293/1548	R588	

**MAGNETIC RECORDS 88-018-14H**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>
001	291/1300	293/1530	

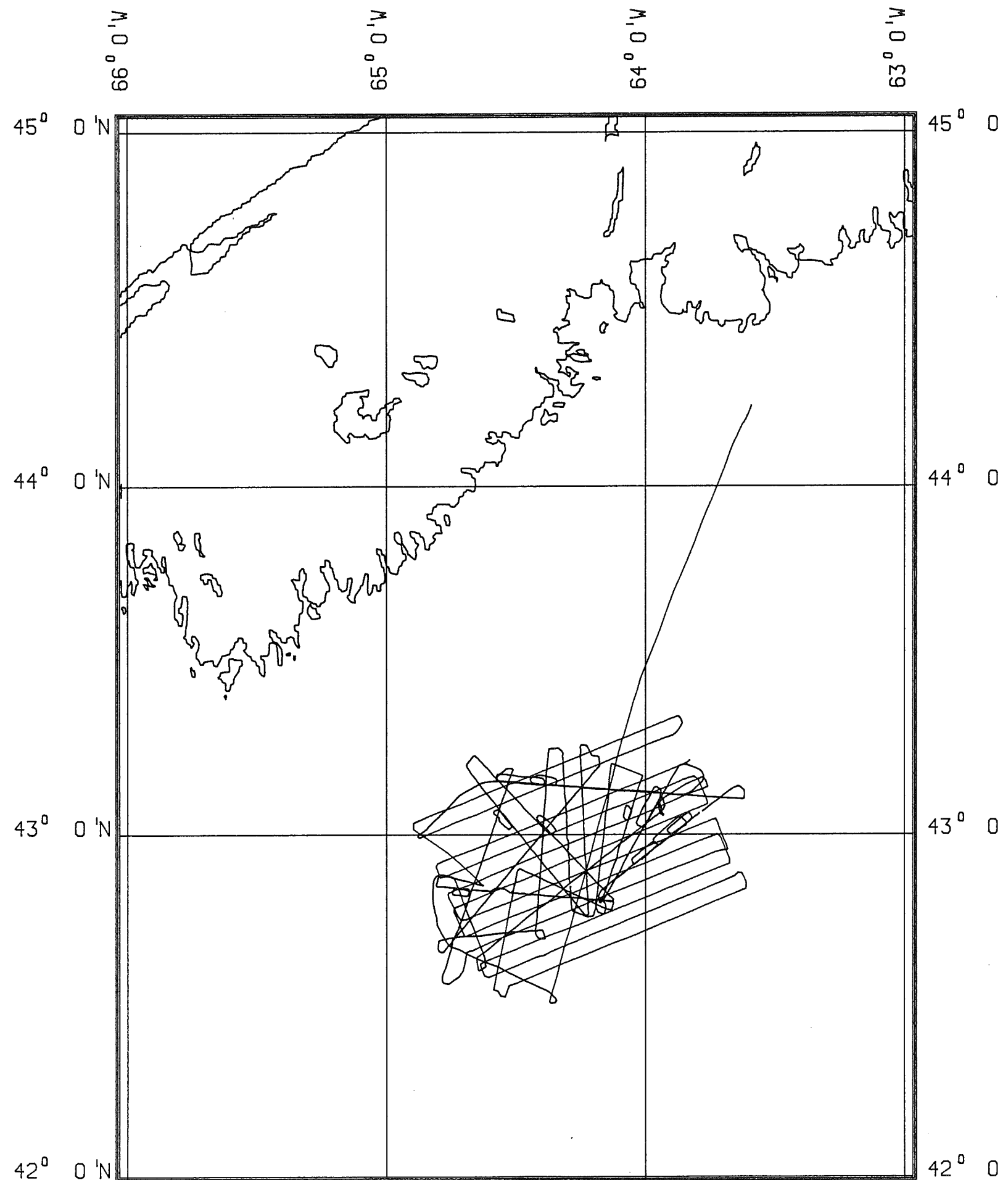
**NAVIGATION RECORDS 88-018-14H**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	291/1239	291/2125	R588	Loran-C
002	292/1203	292/2306	R588	
003	293/1130	293/1551	R588	

**TAPE INVENTORY 88-018-14H**

<b>TAPE #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>
001	291/1239	291/1552
002	291/1554	291/1903
003	291/1905	292/1250
004	292/1301	292/1611
005	292/1616	292/2245
006	293/	293/1450
007	293/1451	293/1549

CRUISE TRACKS - 88020  
1:1,500,000 (MERCATOR, 44N)





**LOG BOOK INVENTORY 88-020**

<b>RECORD #</b>	<b>DAY</b>	<b>TYPE</b>
001	167-180	Bathymetry
002	167-180	General
003	177-178	Seismic
004	167-180	Budge
005		Processing

**BATHYMETRY RECORD INVENTORY 88-020**

<b>RECORD #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>TYPE</b>
001	168/1105 169/0220	168/2050 169/0610	30 kHz
002	169/0615 173/1745	169/0910 173/2040	
003	169/0925 170/0125	169/1130 170/1520	
004	171/1725 172/0430	171/1825 173/1740	
005	173/2045	175/0720	
006	175/0730	176/1105	
007	176/1500 176/2005 177/0020 277/0605 177/1755	176/1855 176/2335 177/0450 177/1600 178/0500	
008	178/0505	178/1500	
009	178/1525 178/2000	178/1800 180/0305	

**SEISMIC RECORD INVENTORY 88-020**

LINE #	SHOT POINT		NOTES
	FROM	TO	
MA-1	121	541	Seismic Camera and Noise Strip Rolls
MA-1-A	574	1500	
MA-1-B	1501	3182	
M1	101	378	Floppy Disks for Bioseis Navigation (×2)
M11	101	1169	Floppy Disks for Bioseis Navigation (×2)
M11-A	1180	1361	
M11-B	2288	3034	
M11-1	3097	3513	Floppy Disks for Bioseis Navigation (×2)
M12	101	1068	Floppy Disks for Bioseis Navigation (×2)
M12-A	1069	2037	
M13	101	1518	Floppy Disks for Bioseis Navigation (×2)
M13-A	1521	1817	
M14	101	2135	Floppy Disks for Bioseis Navigation (×2)
M15	101	1443	Floppy Disks for Bioseis Navigation (×2)
M15-A	1444	1550	
M16	101	289	Floppy Disks for Bioseis Navigation (×2)
M16-A	291	573	
M16-1	1513	2012	Floppy Disks for Bioseis Navigation (×2)
M16-1-A	2032	2621	
M18	113	480	Floppy Disks for Bioseis Navigation (×2)
M18-1	109	1541	Floppy Disks for Bioseis Navigation (×2)
M19	101	807	Floppy Disks for Bioseis Navigation (×2)
M19-1	1712	2054	Floppy Disks for Bioseis Navigation (×2)
M19-2	2992	3151	Floppy Disks for Bioseis Navigation (×2)
M19-2-A	3152	3610	
M19-3	4514	5228	Floppy Disks for Bioseis Navigation (×2)
M1-1	101	432	Floppy Disks for Bioseis Navigation (×2)
M2	101	519	Seismic Camera and Noise Strip Rolls
M20	101	671	Floppy Disks for Bioseis Navigation (×2)
M2-A	549	777	

**SEISMIC RECORD INVENTORY 88-020 (Continued)**

LINE #	SHOT POINT		NOTES
	FROM	TO	
M2-B	778	920	
M2-C	997	1341	
M2-D	1351	2823	
M5	101	1370	Seismic Camera and Noise Strip Rolls
M6	101	276	Floppy Disks for Bioseis Navigation (×2)
M6-A	1212	1271	Seismic Camera and Noise Strip Rolls
M6-1	1272	3030	Floppy Disks for Bioseis Navigation (×2)
M7	101	1447	Floppy Disks for Bioseis Navigation (×2)
M9	101	559	Floppy Disks for Bioseis Navigation (×2)
M900	101	130	Floppy Disks for Bioseis Navigation (×2)
M900-1	157	319	
M901	101	141	Floppy Disks for Bioseis Navigation (×2)
M901-A	164	203	
M901-B	204	225	
M901-C	226	832	
M901-D	866	922	
M902	1001	1042	Floppy Disks for Bioseis Navigation (×2)
M902-A	1065	1202	
M9-A	2998	3035	Floppy Disks for Bioseis Navigation (×2)
M9-B	1591	2997	
M9-C	1497	1590	

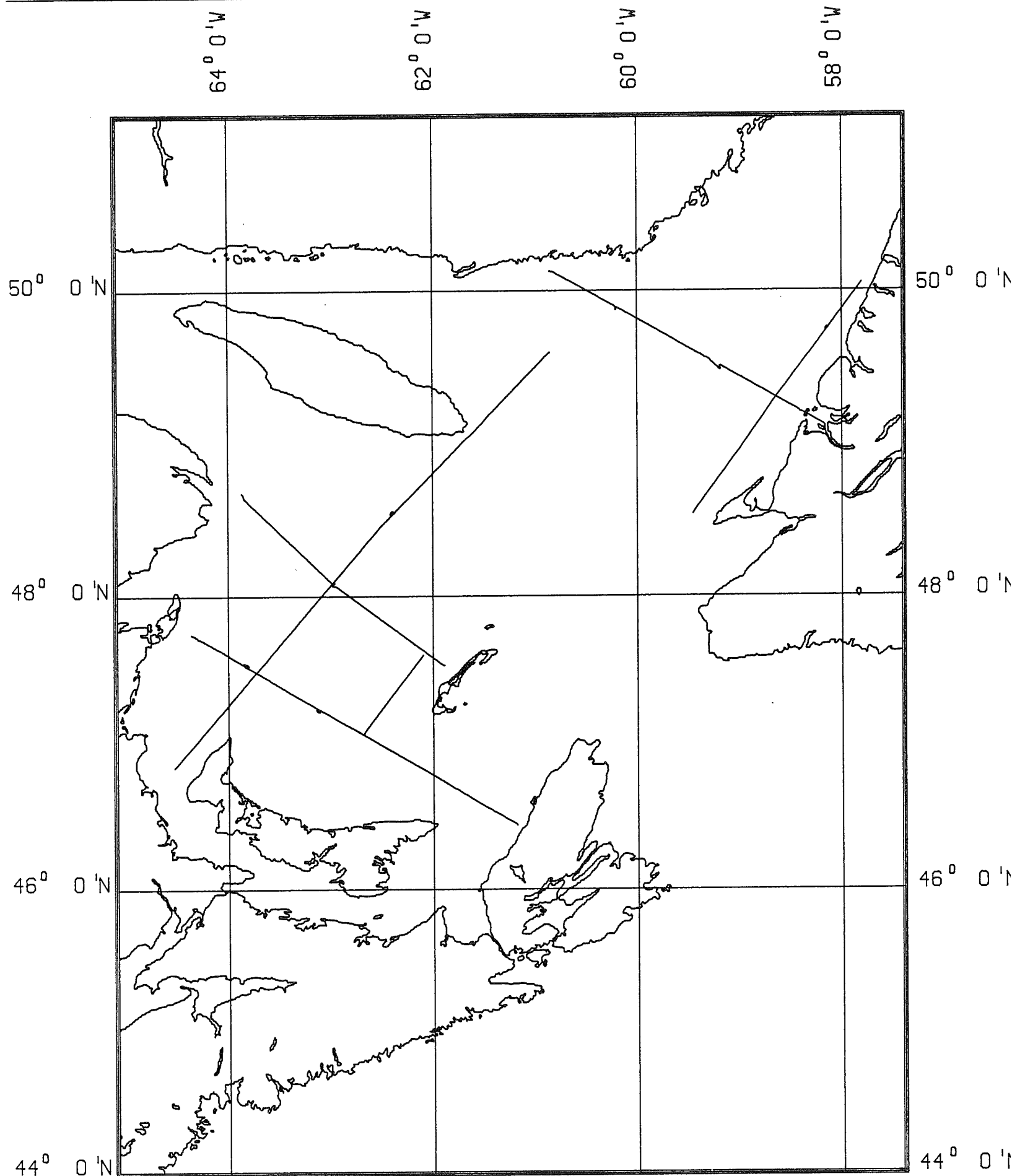
**NAVIGATION RECORDS 88-020**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	167/1046	167/2400	R634	Bionav
002	168/0000	168/2400	R634	
003	169/0000	169/2400	R634	
004	170/0000	170/2340	R634	
005	171/0000	171/2356	R634	
006	172/0000	272/2356	R634	
007	173/0000	173/2352	R634	
008	174/0000	174/2400	R634	
009	175/0000	175/2352	R634	
010	176/0000	176/2400	R634	
011	177/0000	177/2356	R634	
012	178/0000	178/2356	R634	
013	179/0000	179/1956	R634	
014	180/0243	180/2340	R634	
015	181/0000	181/1451	R634	

**TAPE INVENTORY 88-020**

<b>TAPE #</b>	<b>LINE #</b>	<b>SHOT POINT</b>	<b>C.D.P.'s</b>	<b>FILES</b>	<b>NOTES</b>
001	M900	1001-1207		1-201	
002	M901A	1001-1376		1-375	
003	M901	1377-1752		376-750	
004	M901C	1753-1770		751-768	
005	M902	3-193		1-179	
006	M902		27-452		
007	M901		27-1728		
008	M900B		27-374		
009	M900A		27-124		
010					30 sec of all 1's recorded on 18/06/88 02:29 G.M.T.
011					30 sec of all 1's transport recorded 18/06/88 02:39 G.M.T.

CRUISE TRACKS - 88022  
1-3, 400,000 (MERCATOR, 50N)



**LOG BOOK INVENTORY 88-022**

<b>RECORD #</b>	<b>DAY</b>	<b>TYPE</b>
001	183-200	Bathymetry
002	183-201	Bridge
003	183-201	Seismic
004	183-201	General
005	182-199	Huntec

**BATHYMETRY RECORD INVENTORY 88-022**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	183/1100	185/1125	R566	12 kHz
002	185/1200	187/1930	R566	
003	187/2000	191/1350	R566	
004	191/1400	194/1040	R566	
005	194/1100	199/0640	R566	
006	199/1100	200/2020	R566	
007	200/2020	201/1308	R566	

**SEISMIC RECORD INVENTORY 88-022**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	184/1930	200/2000	R566	100' Eel
001	184/1930	200/2000	R566	25' Eel

**NAVIGATION RECORDS 88-022**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	182/1538	182/2355	R559	Bionav
002	182/2356	183/1902	R559	
003	183/1903	184/0007	R559	
004	184/0008	184/1752	R559	
005	184/1754	184/2308	R559	
006	185/1854	186/0000	R559	
007	186/0000	187/0000	R559	
008	187/0000	187/0050	R559	
009	187/0050	188/0013	R559	
010	188/0019	188/0718	R559	
011	188/0719	189/0002	R559	
012	189/0004	189/2356	R559	
013	189/2358	190/1200	R559	
014	190/1442	191/0000	R559	
015	191/0001	191/2240	R559	
016	191/2242	192/0006	R559	
017	192/0007	192/0258	R559	
018	192/1118	193/0000	R559	
019	193/0000	194/0000	R559	
020	194/0000	195/0001	R559	
021	195/0007	195/2356	R559	
022	195/2358	196/1122	R559	
023	196/1124	197/0000	R559	
024	197/0000	197/2352	R559	
025	198/0000	199/0000	R559	
026	199/0001	200/0000	R559	
027	200/0001	200/2354	R559	
028	200/2356	201/1913	R559	

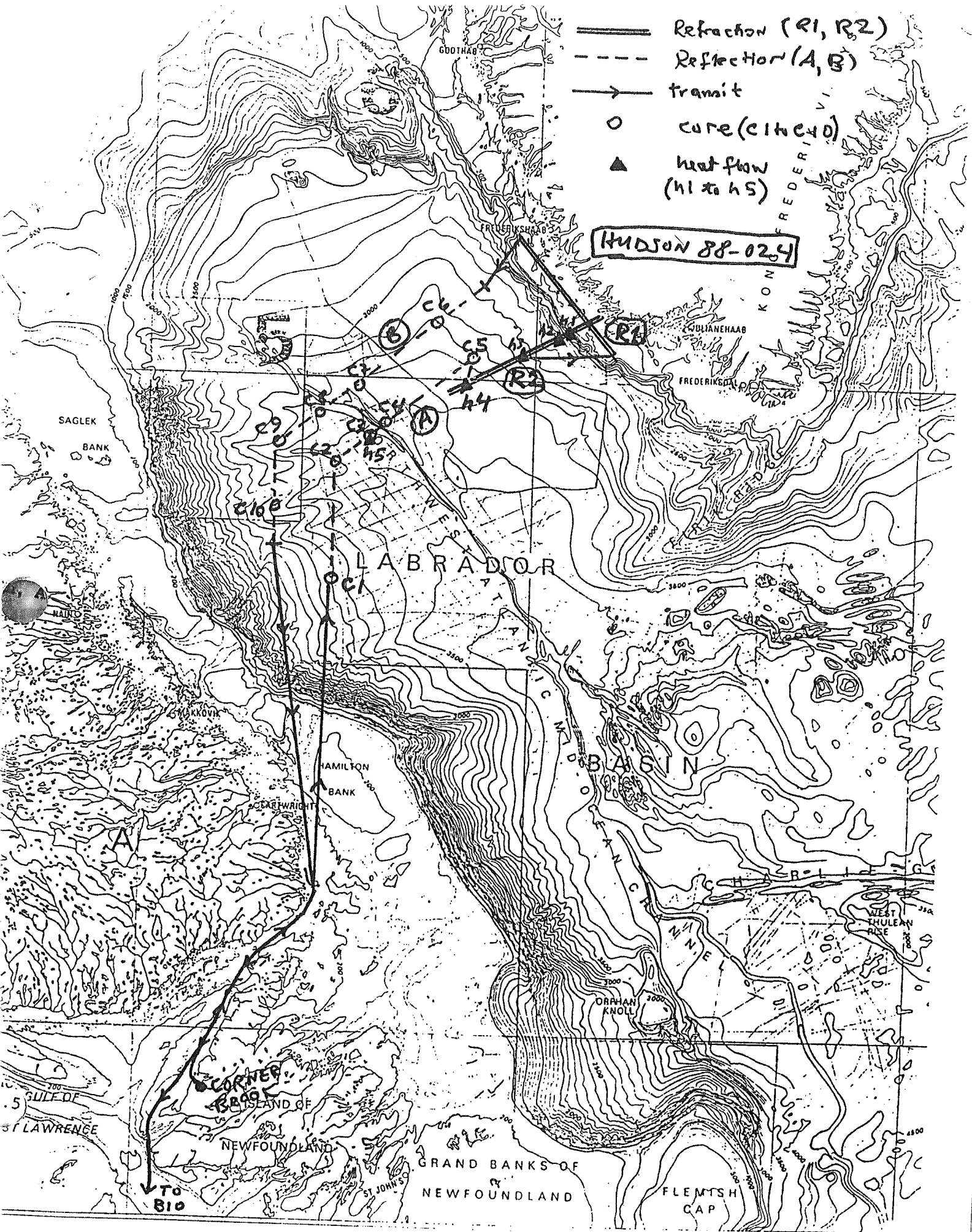
**TAPE INVENTORY 88-022**

<b>TAPE #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>TYPE</b>
001	184/1225	185/0105	
002	185/0111	185/2000	
003	185/2010	186/0900	
004	186/0905	189/0925	
005	189/0930	189/2221	
006	189/2221	190/1102	
007	190/1106	191/0022	
008	191/1230	192/0118	
009	192/0120	192/1402	
010	192/1403	193/0252	
011	193/0255	196/1945	
012	196/1946	197/0832	
013	197/0837	197/2125	
014	197/2127	200/0317	
015	200/0320	200/1606	
016	200/1607	200/2000	
001	183/	196/	Bionav



- ==== Refraction (R1, R2)
- Refraction (A, B)
- transmit
- cure (C1 to C10)
- ▲ heat flow (H1 to H5)

HUDSON 88-024



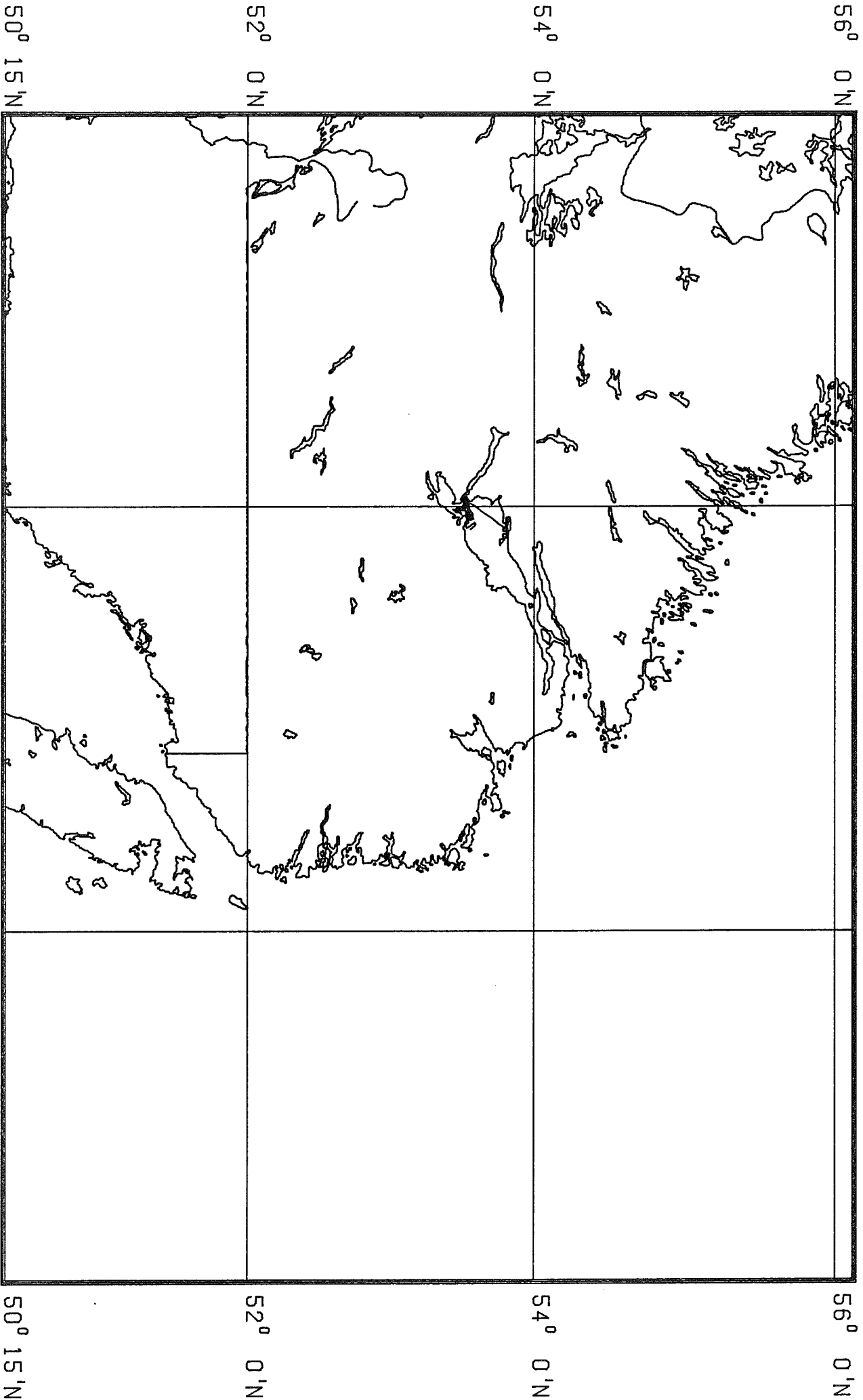
**BATHYMETRY RECORD INVENTORY 88-024**

<b>RECORD #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>TYPE</b>
001	204/2000	205/2052	12 kHz
002	205/2100	206/1635	
003	206/1635	207/2240	
005	207/2300 217/1220 220/1705	208/0910 220/1650 221/1111	
001	204/1540	207/1830	3.5 kHz
002	207/2050 210/2202 219/0846 220/1250	208/0920 219/0740 220/1030 220/1820	

CRUISE TRACKS - 88030  
1#4,000,000 (MERCATOR, 53N)

M 0° 09

55° 0' W



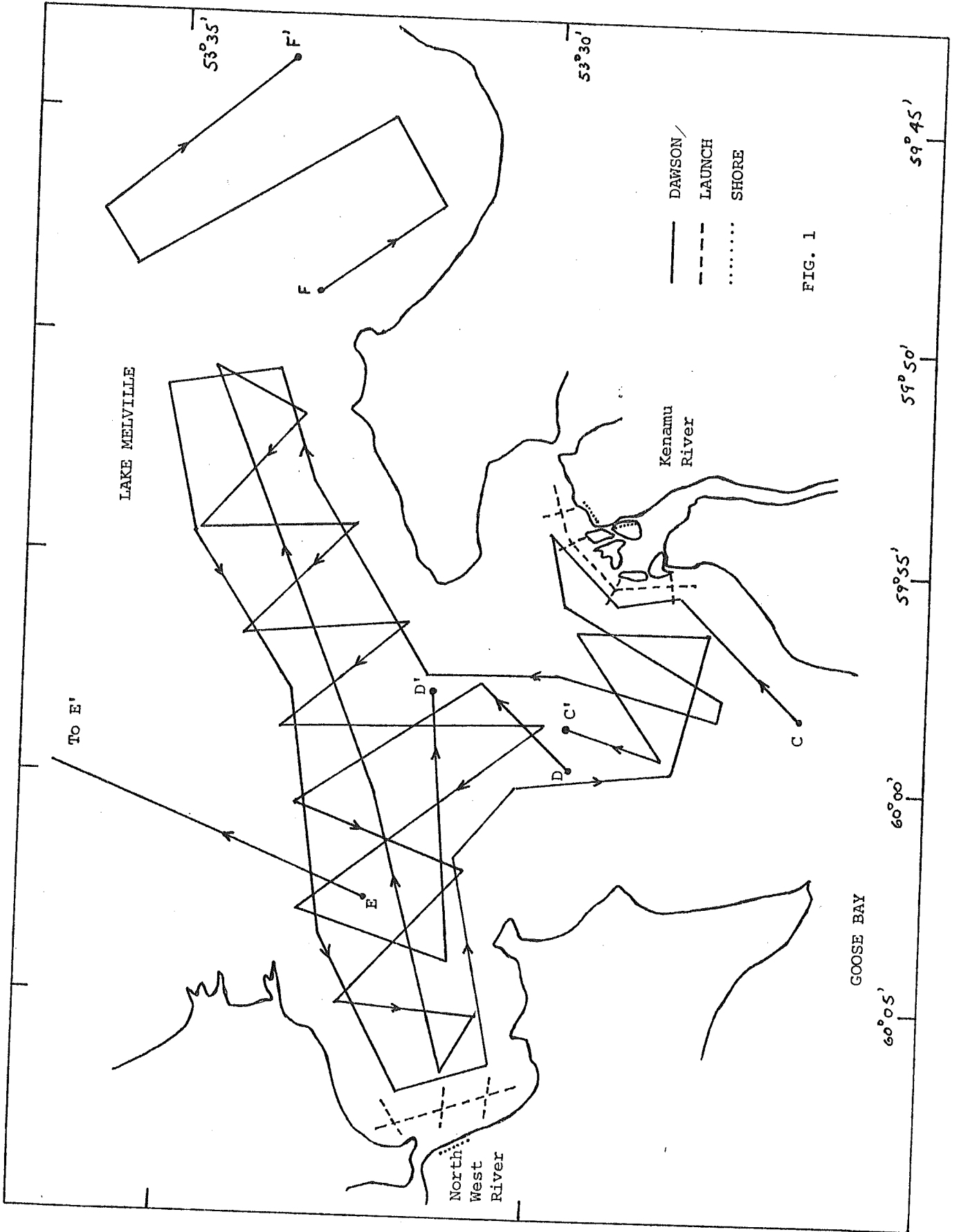


FIG. 1

— DAWSON  
 - - - LAUNCH  
 ..... SHORE

LAKE MELVILLE

Kenamu River

North West River

GOOSE BAY

To E'

F'

F

D'

C'

C

D

E

60°05'

60°00'

59°55'

59°50'

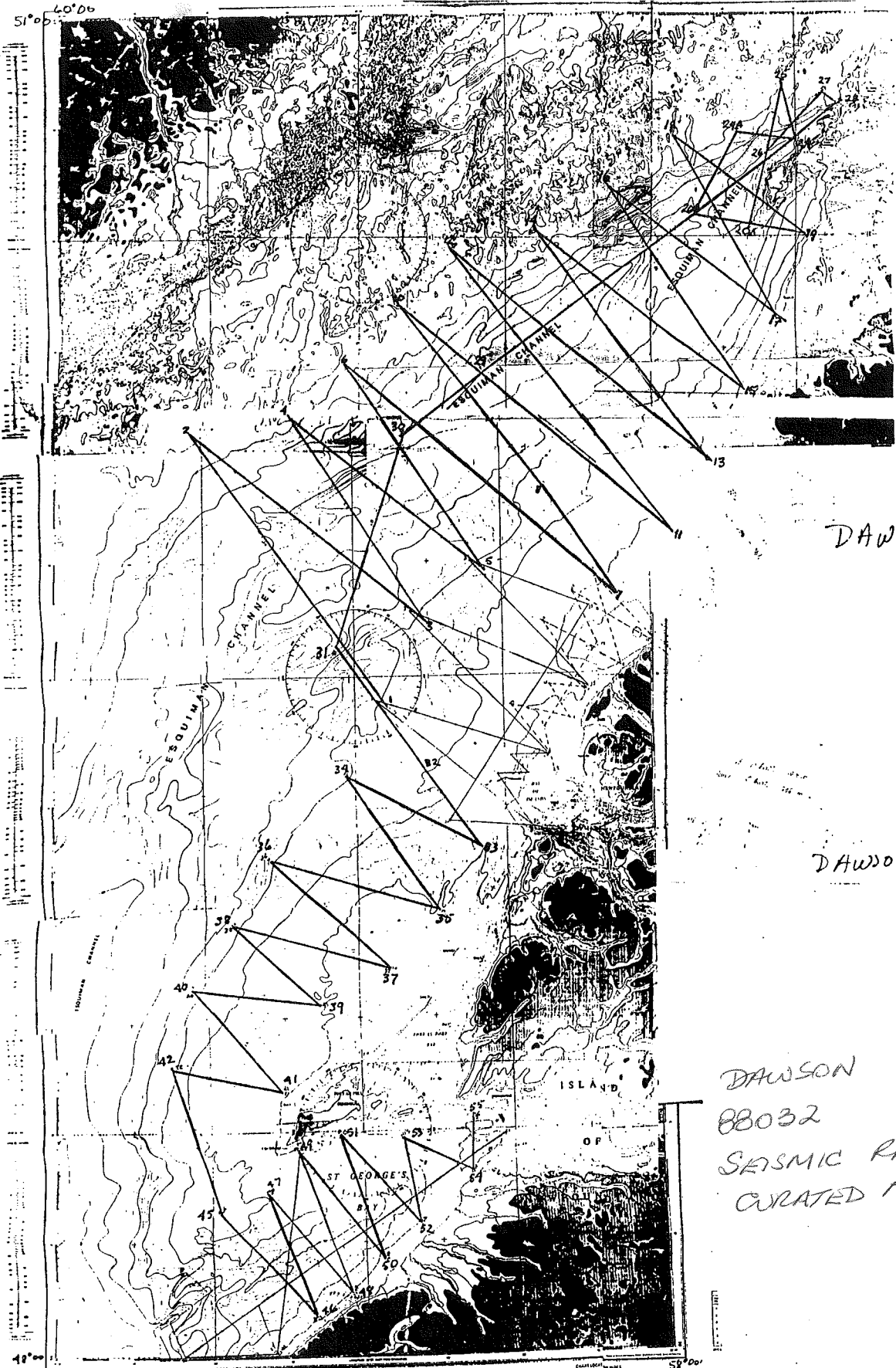
59°45'

58°35'

58°30'

**TAPE INVENTORY 88-030**

<b>TAPE #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>
002	/1818	/0050
003	/0050	/0304
004	226/0307	226/0640
005	226/0640	/
006	226/2250	228/
007	227/0202	227/0514
008	227/0515	227/0911
009	227/0912	228/0100
010	228/0101	228/035-
011	228/0358	228/0533
012	228/0534	228/0847
013	/	228/1337
014	228/1341	/
015	/	/
016	229/0306	229/0618
017	/	229/0935
018	/	/
019	229/2028	229/
020	/	/



DAWSC  
88-03

DAWSON 88-03  
B

DAWSON 88-03  
C

DAWSON  
88032  
SEISMIC RECORDS  
CURATED AT MEMORIAL

NATURAL RESOURCE CHART  
DEPTH SOUNDINGS IN METERS

DEPTH (M)	DEPTH (F)	DEPTH (M)	DEPTH (F)
1	3	5	7
10	12	15	17
20	22	25	27
30	32	35	37
40	42	45	47
50	52	55	57
60	62	65	67
70	72	75	77
80	82	85	87
90	92	95	97
100	102	105	107
110	112	115	117
120	122	125	127
130	132	135	137
140	142	145	147
150	152	155	157
160	162	165	167
170	172	175	177
180	182	185	187
190	192	195	197
200	202	205	207
210	212	215	217
220	222	225	227
230	232	235	237
240	242	245	247
250	252	255	257
260	262	265	267
270	272	275	277
280	282	285	287
290	292	295	297
300	302	305	307
310	312	315	317
320	322	325	327
330	332	335	337
340	342	345	347
350	352	355	357
360	362	365	367
370	372	375	377
380	382	385	387
390	392	395	397
400	402	405	407
410	412	415	417
420	422	425	427
430	432	435	437
440	442	445	447
450	452	455	457
460	462	465	467
470	472	475	477
480	482	485	487
490	492	495	497
500	502	505	507

## APPROXIMATE SEISMIC SURVEY COORDINATES

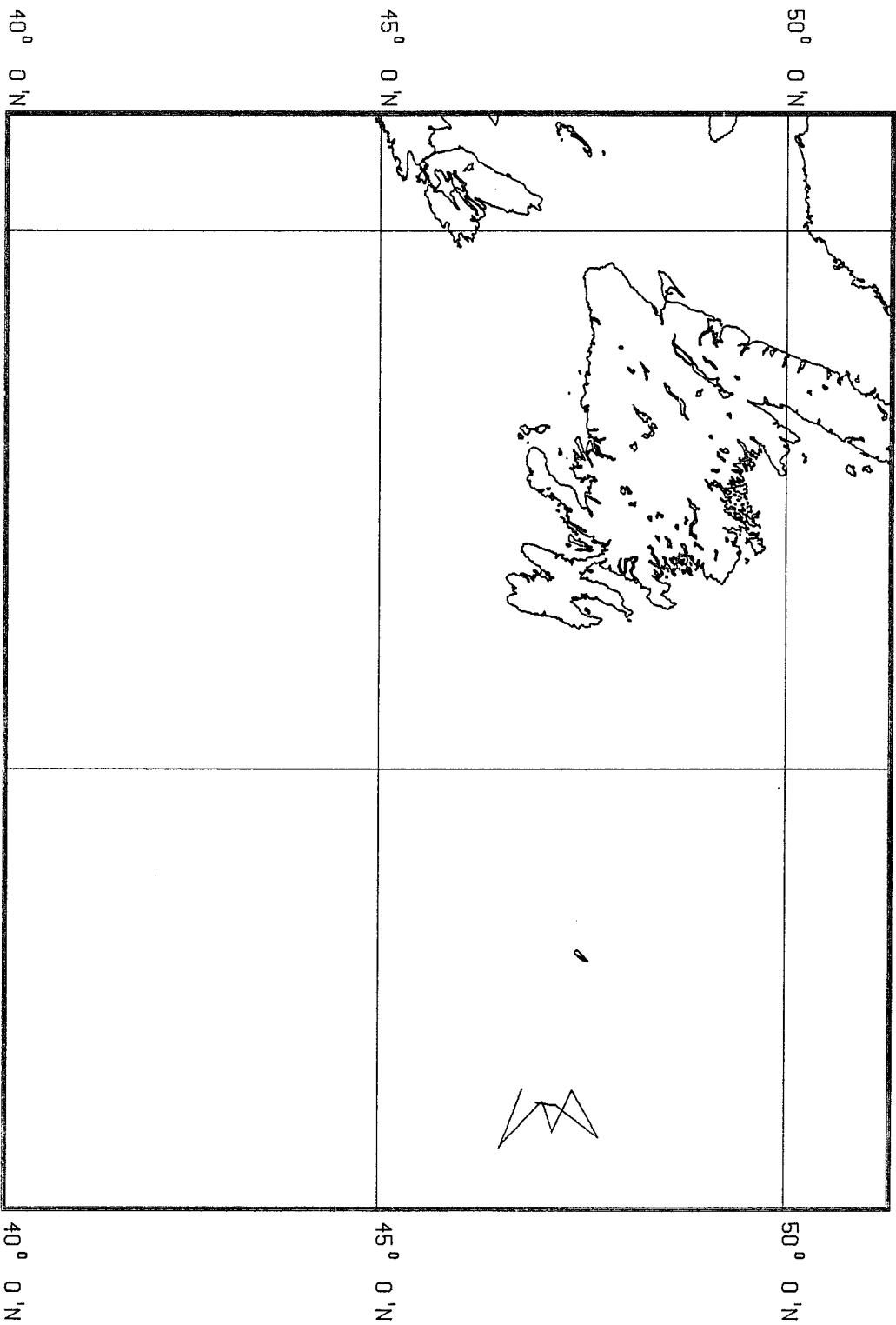
Dawson 88-032

Fix	Lat (N)	Long (W)	Fix	Lat (N)	Long (W)
1	49°25.7'	58°53.4'	51	48°29.7'	59°04.6'
2	50°02.7'	59°32.1'	52	48°17.4'	58°49.0'
3	49°37.4'	58°45.3'	53	48°29.0'	58°52.0'
4	50°04.6'	59°12.5'	54	48°24.5'	58°38.6'
5	49°44.1'	58°34.1'	55	48°31.4'	58°38.1'
6	50°13.9'	59°02.8'			
7	49°42.8'	58°10.2'			
8	49°41.9'	57°57.5'			
10	50°20.8'	58°51.5'			
11	49°49.0'	57°55.2'			
12	50°28.7'	58°41.8'			
13	49°59.0'	57°48.9'			
14	50°35.8'	58°30.1'			
15	50°09.2'	57°41.2'			
16	50°40.3'	58°13.7'			
17	50°14.5'	57°34.5'			
18	50°43.7'	57°55.4'			
19	50°30.0'	57°28.0'			
20A	50°33.3'	57°51.3'			
28	50°48.3'	57°20.1'			
27	50°49.0'	57°24.1'			
26	50°41.3'	57°36.2'			
20X	50°31.2'	57°36.2'			
25	50°50.3'	57°32.9'			
24	50°41.9'	57°29.5'			
24A	50°44.3'	57°42.6'			
20A	50°33.3'	57°51.3'			
29	50°11.9'	58°34.2'			
30	50°02.2'	58°43.9'			
31	49°33.8'	59°03.8'			
32	49°18.8'	58°44.7'			
33	49°07.6'	58°35.0'			
34	49°17.0'	59°01.8'			
35	48°59.2'	58°43.7'			
36	49°06.0'	59°17.1'			
37	48°51.4'	58°53.9'			
38	48°57.2'	59°25.0'			
39	48°46.2'	59°07.9'			
40	48°48.8'	59°32.3'			
41	48°35.2'	59°16.0'			
42	48°38.6'	59°37.5'			
43	48°11.0'	59°35.5'			
44	48°00.0'	59°17.8'			
45	48°19.3'	59°28.3'			
46	48°05.0'	59°10.0'			
47	48°21.8'	59°18.8'			
48	48°08.0'	59°03.0'			
49	48°27.5'	59°12.9'			
50	48°12.7'	58°56.2'			

CRUISE TRACKS - 88038  
1:7,000,000 (MERCATOR, 46N)

60° 0' W

50° 0' W





**LOG BOOK INVENTORY 88-038**

<b>RECORD #</b>	<b>DAY</b>	<b>TYPE</b>
001	297-300	Bridge
002	297-300	Seismic

**SEISMIC RECORD INVENTORY 88-038**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>
001	297/2200	300/1730	R566	Airgun
002	300/1737	300/1944	R566	

**NAVIGATION RECORDS 88-038**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>TYPE</b>	<b>NOTE</b>
001	296/2246	296/2259	R566	Loran-C	
002	297/1843	298/0007	R566		
003	298/0009	298/2347	R566		
004	298/2349	299/2357	R566		
005	300/0000	300/1959	R566		
006	301/0525	301/1047	R566		Ralph Search
007	304/1341	304/1709	R566		

**TAPE INVENTORY 88-038**

<b>TAPE #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>TYPE</b>
001	297/2158	297/2244	Airgun
002	297/2294	297/2330	
003	297/2330	298/0018	
004	298/0018	298/0107	
005	298/0107	298/0154	
006	298/0157	298/0243	
007	298/0243	298/0330	
008	298/0330	298/0419	
009	298/0429	298/0508	
010	298/0508	298/0555	
011	298/0555	298/0644	
012	298/0644	298/0732	
013	298/0732	298/0820	
014	298/0820	298/0908	
015	298/0908	298/0958	
016	298/0958	298/0433	
017	298/0433	298/1134	
018	298/1235	298/1200	
019	298/1230	298/1330	
020	298/1330	298/1400	
021	298/1400	298/1448	
022	298/1449	298/1854	
023	298/1855	298/1943	
024	298/1943	298/2031	
025	298/2031	298/2118	
026	298/2118	298/2205	
027	298/2205	298/2253	
028	298/2253	298/2341	
029	298/2343	299/0029	
030	299/0029	299/0117	
031	299/0117	299/0205	
032	299/0205	299/0253	
033	299/0253	299/0341	

**TAPE INVENTORY 88-038 (Continued)**

<b>TAPE #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>TYPE</b>
034	299/0341	299/0429	Airgun
035	299/0429	299/0517	
036	299/0517	299/0605	
037	299/0605	299/0653	
038	299/0653	299/0741	
039	299/0741	299/0829	
040	299/0829	299/0930	
041	299/0930	299/1000	
042	299/1000	299/1056	
043	299/1056	299/1143	
044	299/1144	299/1230	
045	299/1230	299/1300	
046	299/1300	299/1400	
047	299/1400	299/1458	
048	299/1459	299/1547	
049	299/1547	299/1635	
050	299/1636	299/1723	
051	299/1724	299/1812	
052	299/1813	299/1901	
053	299/1901	299/1949	
054	299/1950	299/2037	
055	299/2038	299/2124	
056	299/2125	299/2213	
057	299/2213	299/2232	
058	300/1304	300/1330	
059	300/1400	300/1528	
060	300/1531	300/1621	
061	300/1531	300/1621	
062	300/1620	300/1708	
063	300/1708	300/1756	
064	300/1756	300/1843	
065	300/1843	300/1931	
066	300/1931	300/1946	

CRUISE TRACKS - 88039  
1:1,500,000 (MERCATOR, 44N)

65° 0' W

64° 0' W

63° 0' W

45° 0' N

45° 0' N

44° 0' N

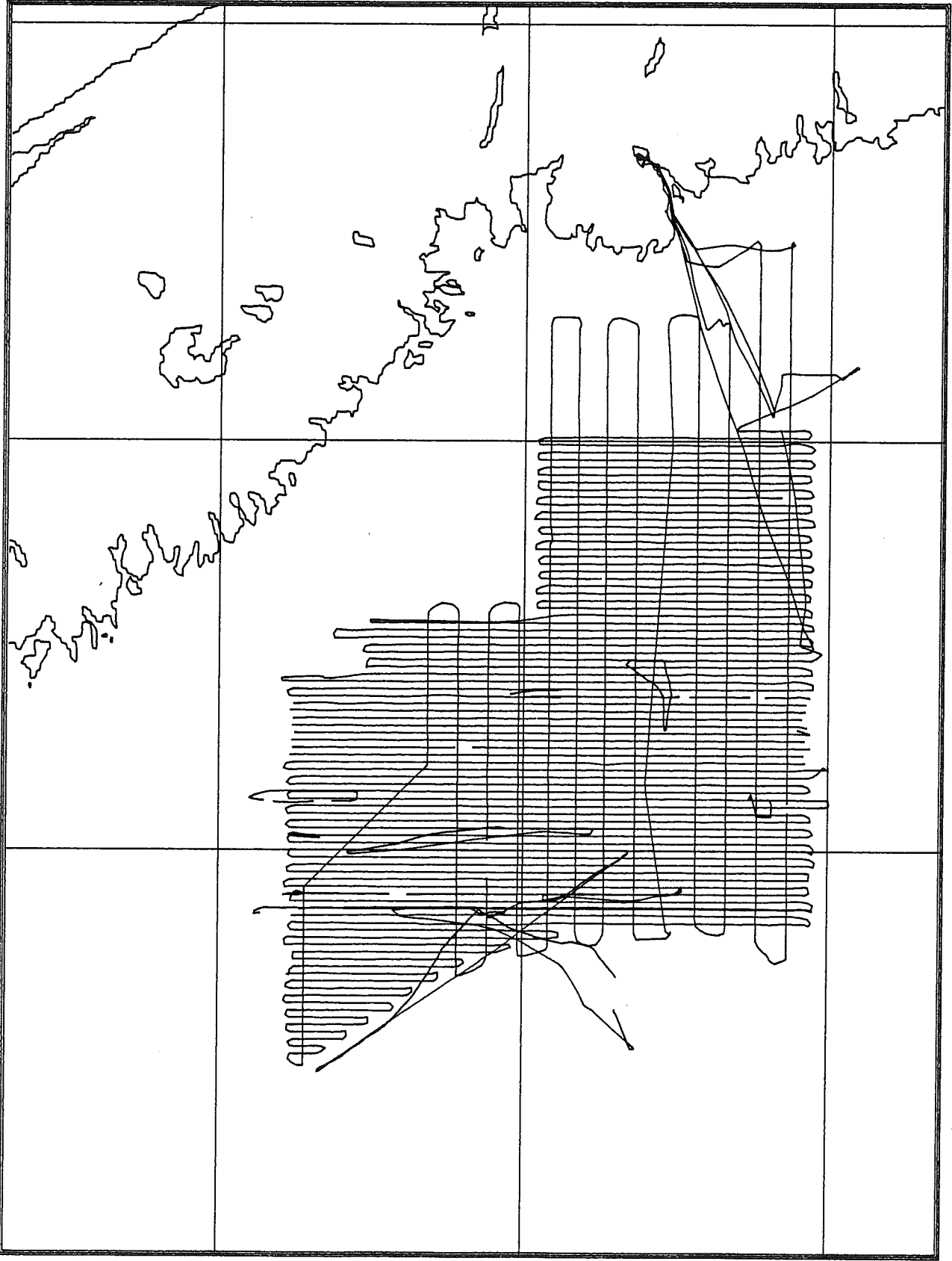
44° 0' N

43° 0' N

43° 0' N

42° 0' N

42° 0' N



**LOG BOOK INVENTORY 88-039**

<b>RECORD #</b>	<b>DAY</b>	<b>TYPE</b>
001	300-334	General
002		Gravity Room
003		Gravity Room

**BATHYMETRY RECORD INVENTORY 88-039**

<b>ROLL #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>LINE #</b>	<b>TYPE</b>
001	300/1653	301/1140	1-3	3.5 kHz (EPC 1600 recorder)
002	301/1153	302/0555	3-5	
003	302/0600	303/0215	5-7	
004	303/0219	304/0040	7-11	
005	304/0045	305/0045	11-15	
006	305/0050	306/0005	15-29	
007	306/0010	307/0010	30-35	
008	307/0016	309/1545	35-36	
009	309/1547	310/1641	36-38	
010	310/1648	311/1835	39-42	
011	311/1841	312/1843	42-45	
012	312/1850	314/0000	46-48	
013	314/0007	314/2355	48-51	
014	315/0000	315/0940	checkline 17	
015	319/2240	321/0045	50-53	
016	321/0050	322/0140	53-56	
017	322/0140	323/0005	56-59	
018	323/0010	324/0020	59-62	
019	324/0025	325/0015	62-65	
020	325/0025	326/0020	65-69	
021	326/0022	329/0040	69-71	
022	329/0049	330/0015	71-75	

**BATHYMETRY RECORD INVENTORY 88-039 (Continued)**

<b>ROLL #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>LINE #</b>	<b>TYPE</b>
023	330/0020	331/0010	75-80	3.5 kHz
024	331/0015	332/0005	80-86	
025	332/0015	333/0045	86-93	
026	333/0048	334/0005	93-99	
027	334/0006	334/0800	99-101	
001	300/1309	301/1745	1-3	12 kHz
002	301/1755	303/0112	4-7	
003	303/1145	305/1450	7-25	
004	305/1512	307/1100	26-36	
005	307/2110	311/1442	36-41	
006	311/1450	312/0655	42-44	
007	312/0720	315/0940	44-51	
008	319/2207	321/1512	51-54	
009	321/1525	322/1240	55-57	
010	322/1300	325/1705	58-67	
011	325/1715	326/1720	68-70	
012	328/1535	329/1355	71-73	
013	329/1415	333/0235	74-93	
014	333/0250	334/0730	93-100	

**BATHYMETRY RECORD INVENTORY 88-039**

<b>RECORD #</b>	<b>DAY</b>	<b>TYPE</b>
001	300	30 kHz
002	301	
003	302	
004	303	
005	304	
006	305	
007	306	
008	307	
009	308	
010	309	
011	310	
012	311	
013	312	
014	313	
015	314	
016	315	
017	319	
018	320	
019	321	
020	322	
021	323	
022	324	
023	325	
024	326	
025	328	
026	329	
027	330	
028	331	
029	332	
030	333	
031	334	

NAVIGATION RECORDS 88-039

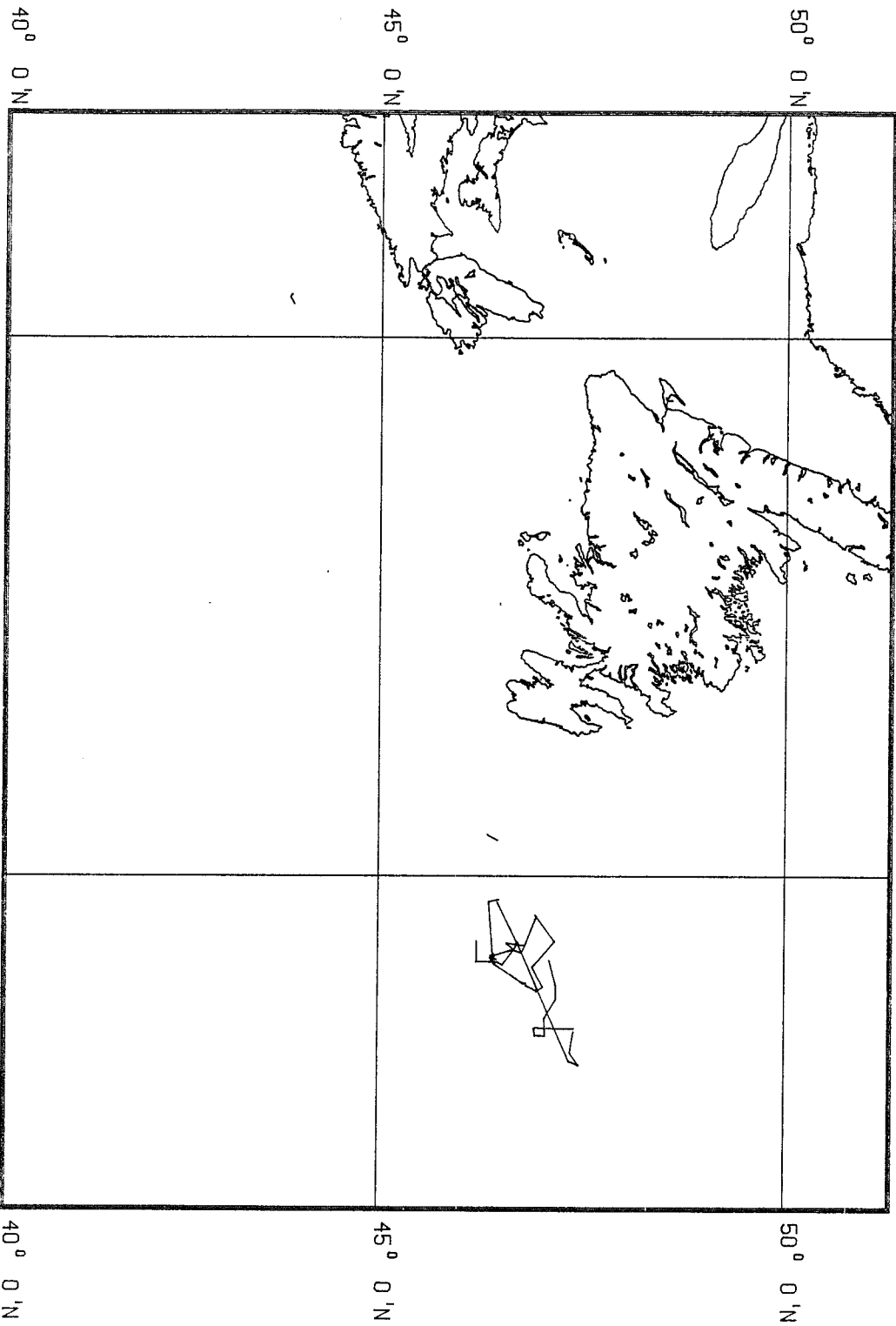
RECORD #	START DAY/TIME	STOP DAY/TIME	BOX #	TYPE
001	300/1700	308/1100	R632	Magnetics
002	309/1520	315/0930	R632	
003	319/2300	323/1000	R632	
004	323/1142	331/0830	R632	



CRUISE TRACKS - 88108  
1:7,000,000 (MERCATOR, 46N)

60° 0' W

50° 0' W



**BATHYMETRY RECORD INVENTORY 88-108**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>NOTE</b>
1A	/	/	R631	Sable 1, 2
1	257/2230	261/0550	R631	Sable 1, 2
2.1	261/0621	/	R631	GB5
2.2	/	/	R631	TN01, 02, 03, 04, 05 PetroCanada prop data
2.3	262/0000	263/0754	R631	GB6, transit, scour 1, GB6A, GB7, GB8, GB9, GB10
3	263/0756	265/0646	R631	GB10, GB11, GB11/12, GB12, GB13, GB14/15, GB15
4.1	/	/	R631	TN06 prop data
4.2	265/1501	266/1021	R631	GB16, GBS1-TST, circling, GB17, 18, 19, 20
5	/	/	R631	GBS01, GBS10, GBS11, GBS14, GBS12, GBS-2, GBS2A, GBS08, GBS09, GBS07, GBS03
6.1	/	/	R631	GBS06, GBS04, GBS05, GBS15, ALP1
6.2	267/0402	/	R631	GB21, GB22
7	267/2302	269/0121	R631	GB22, GB23, GB24, GB25, GB26
8	269/0128	269/1100	R631	GB27, GB28, GB29, GB30
9	269/	269/2140	R631	GB30, 31, 32
10	269/2150	/	R631	GB32, EGLE1, EM1

**SEISMIC RECORD INVENTORY 88-108**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>LINE #</b>	<b>TYPE</b>	<b>NOTE</b>
					Huntec Internal	No roll 1 for internal
2A	259/2140	259/2334	R627	Ralph 11A		
3A	260/1615	260/2048	R627	GB-01		
4A	260/2112	261/0600	R627	GB-2, 3, 4		
5.1A	261/0609	261/1145	R627	GB-5		
5.2A			R627	TN1 to 5		PetroCan data - confidential
6A			R627			PetroCan data - confidential
7A	262/0001	262/0452	R627	GB-6		
8A	263/0002	263/0648	R627	GB7, 8, 9		
9A	263/0653	263/1318	R627	GB10		
10A	263/1318	264/0257	R627			
11A	264/0300	264/1225	R627	GB-13, 14		
12A	264/1712	265/0432	R627	GB14/15, GB-15 (part)		
13.1A	265/0435	265/0748	R627	GB-15		No navigation after 265/0648
13.2A			R627	TN6		PetroCan data - confidential
13.3A	265/1501	265/1639	R627	GB5-1 (Test)		
14A	265/1756	265/2241	R627	TN6 (replay) & GB16		
15A	266/0348	266/1020	R627	GB17, 18, 19, 20		
16A			R627	GBS-1 to 13		Mobil Data - confidential
17A	269/0941	/1652	R627	GB30, 31		
1	257/2157	258/0123	R626	Sable 1, 2	Huntec External	
2B	257/2058	259/2335	R626	Ralph 1 & 1A		
3B	260/1703	261/0410	R626	GB1, 2, 3, 4		
4.1B	261/0411	261/1153	R626	GB4, 5		
4.2B			R626	TN01, 02, 03		Proprietary data - Parrott
5B			R626	TN03, 04, 05		

**SEISMIC RECORD INVENTORY 88-108 (Continued)**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>LINE #</b>	<b>TYPE</b>	<b>NOTE</b>
6B	262/0003	262/0452	R626	GB6	Huntec External	
7B	263/0013	263/0650	R626	GB7, 8, 9		
8B	263/0655	263/1318	R626	GB10		
9B	263/1318	264/0257	R626	GB11, 11/12, 12		
10B	264/0300	264/1225	R626	GB13, 14		
11B	264/1712	265/0432	R626	GB14/15, 15		
12.1B	265/0425	265/0745	R626	GB15		
12.2B			R626	TN06		Proprietary data - Parrott
13B	265/1501	265/1756	R626	GB16		
14B	265/1756	265/2241	R626	GBS1 Test		
15B	266/0348	266/1020	R626	GB17, 18, 19, 20		
16B			R626	GBS01-etc.		Mobil Proprietary data - Parrott
17.1B			R626	ALP-1		Mobil Proprietary data - Parrott
17.2B	269/0334	267/0559	R626	GB21		
18B	269/1029	269/1309	R626	GB30		
19B	269/1314	269/1543	R626	GB30 & beginning of GB31		
20B	272/0746	272/1119	R626	Eagle 1 (North to South Eagle)		Run for C. Amos
21B	272/2301	273/0529	R626	EM1		
1	257/1648	258/0117	R628	Sable 1 & 2	1 kJ Sparker	
2	259/2251	261/1145	R628	Ralph 1, GB4, 5		
3			R628	TN-1 to TN-5		PetroCan Proprietary data - Lewis
4			R628	TN-06		PetroCan Proprietary data - Lewis
4A			R628	TN-06		PetroCan Proprietary data - Lewis
5	265/1550	265/1638	R628	bit of GB-16		
6	266/0348	266/1020	R628	GB-17, 18, 19, 20		
7			R628	GBS-01 to 13		Mobil GBS Survey
7A			R628			Mobil proprietary data

SEISMIC RECORD INVENTORY 88-108 (Continued)

RECORD #	START DAY/TIME	STOP DAY/TIME	BOX #	LINE #	TYPE	NOTE
8.1	267/0343	267/0403	R628	ALP (NE-SW)	1 kJ Sparker	
8.2	267/0453	268/0010	R628	GB-21, 22 (part)		
9	268/0330	269/0945	R628	GB22-29, 30 (part)		
10	269/1124	269/2202	R628	GB 30, 31, 32 (part)		
11	269/2208	270/0010	R628	GB-32		
12	272/2352	273/0530	R628	EM-01 (Emerald Basin)		
1	257/2235	257/2327	R628	Sable 1	Multichannel Near Trace	
2	257/2358	258/0120	R628	Sable 2		
3	260/1655	260/2048	R628	GB1		
4	260/2112	261/0146	R628	GB2-GB3		
5	261/0203	261/1145	R628	GB4-GB5		
6			R628	TN01-TN05		PetroCan Proprietary Data - Parrott
7	262/0000	263/0646	R628	GB6, 6A, 7, 8, 9		
8	263/0649	263/2143	R628	GB10, 11, 11/12		
9	263/2143	264/2006	R628	GB12, 13, 14, 14/15		
10	264/2029	265/0848	R628	GB15		
11	265/1501	266/1020	R628	GB16, GBS1 (test), GB17, 18, 19, 20		
12			R628	GBS01, 10		Proprietary Data - Parrott
13			R628	GBS13		Proprietary Data - Parrott
14.1			R628	ALP-1 (NE-SW)		Proprietary Data - Parrott
14.2	267/0453	268/0639	R628	GB21, 22		
15	268/0641	269/0940	R628	GB23-28		
16	269/0942	269/1555	R628	GB30, 31		
17	272/0632	272/1120	R628			North & South Eagle - Amos
18	272/2351	273/0531	R628	EM-01		

**SEISMIC SIDESCAN RECORD INVENTORY 88-108**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>LINE #</b>	<b>TYPE</b>	<b>NOTE</b>
1	259/2121	260/0030	R631	Ralph 1, 1A	EPC 4800 Huntec/Sidescan	
2	260/1713	260/1845	R631	GB1		
3.1	260/1849	261/1100	R631	GB1-5		
3.2			R631	TN01		Proprietary Data - Parrott
4			R631	TN02-05		
5	262/0006	262/2200	R631	GB6, Scour, GB6A		
6	262/2207	263/1318	R631	GB6A, GB7-10		
7	263/1320	263/2220	R631	GB11, 11/12, 12		
8	263/2223	264/1215	R631	GB12, 13, 14		
9	264/1712	265/0100	R631	GB14/15, 15		
10	265/0100	265/0700	R631	GB15		
11	265/1450	265/1735	R631	GB16, GBS-1 (test)		
12	266/0350	266/1027	R631	GB17-20		
13			R631	GB1, GBS10, 11, 14, 2, 2A, 8		
14			R631	GBS3-7, 9, 13		Proprietary Data
15.1			R631	ALP-1 (NE-SW)		
15.2	267/0453	267/1212	R631	GB21		
16	267/1218	267/1930	R631	GB22		No Huntec
17	267/1930	267/2200	R631	GB22		
18	269/1112	270/0010	R631	GB30, 31		
19	272/0800	273/0530	R631	EGL1, EM1		

SIDESCAN RECORD INVENTORY 88-108

RECORD #	START DAY/TIME	STOP DAY/TIME	BOX #	LINE #	TYPE	NOTE
1	257/2155	258/0125	R630	Sable 1 & 2		
2	259/2136	259/2339	R630	Ralph 1		
3	260/1615	260/2048	R630	GB1		
4	260/2050	261/0605	R630	GB2, 3, 4		
5	261/0609	261/1145	R630	GB5		
6			R630	TN01		Proprietary Data - Parrott
7			R630	TN02 - 05		Proprietary Data - Parrott
8	262/0006	262/0522	R630	GB6		
9	262/0930	262/1938	R630			Transit, Scour 1
10	262/1940	263/0344	R630	GB6A, GB7-9		
11	263/0353	263/1316	R630	GB9, 10		
12	263/1318	263/2143	R630	GB11, 11/12		
13	263/2144	264/0257	R630	GB12		
14	264/0259	264/1059	R630	GB13, 14		
15	264/1110	264/2006	R630	GB14, 14/15		
16	264/2006	265/0434	R630	GB15		
17.1	265/0437	265/0646	R630	GB15		
17.2			R630	TN06		Proprietary Data - Parrott
18	265/1316	265/2309	R630	GB16, GBs1 (test) circling		
19	266/0348	266/1020	R630	GB17-20		
20			R630	GBS01, 10-12, 14		Proprietary Data - Parrott
21			R630	GBS2A, 03, 05-09, 13		Proprietary Data - Parrott
22.1			R630	ALP-1 (NE-SW)		Proprietary Data - Parrott
22.2	267/0405	267/1431	R630	GB21, 22		
23	267/1439	267/2146	R630	GB22		

SIDESCAN RECORD INVENTORY 88-108

RECORD #	START DAY/TIME	STOP DAY/TIME	BOX #	LINE #	TYPE	NOTE
24	269/0946	269/1934	R630	GB30, 31, 32		
25	269/1940	270/0010	R630	GB32		
26	272/0710	272/1130	R630			North to South Eagle
27	272/2253	273/0529	R630	EM-1		
1		257/1706	R629	Test Line	Klein	
2	257/2206	258/0146	R629	Sable 1 & 2		
3	258/2144	259/2355	R629	Ralph 1		
4	259/2356	260/0034	R629	Ralph 1a		
5	260/1655	261/0043	R629	GB1, GB2		
6	261/0043	261/0538	R629	GB3, 4, 5		
7	261/0640	261/1140	R629	GB5		
8			R629	TN1-TN2		Proprietary data - Parrott
9			R629	TN3, 4, 5		Proprietary data - Parrott
10	262/0006	262/0457	R629	GB6		
10A	262/0412	262/0516	R629	GB6		
11	262/0910	262/1712	R629	Transit, Scour 1		
12	262/1712	262/2131	R629	GB6A		
13	262/2136	263/0130	R629	GB6A, GB7, 8		
14	263/0130	263/0810	R629	GB8, 9, 10		
15	263/0817	263/1314	R629	GB10		
16	263/1318	263/1836	R629	GB11, 11/12		
17	263/1847	263/2143	R629	GB11/12		
18	263/2145	264/0258	R629	GB12		
19	264/0259	264/0644	R629	GB13, 14		
20	264/0650	264/1225	R629	GB14		
21	264/1552	264/2024	R629	GB14/15		
22	264/2029	265/0646	R629	GB15		
23			R629	TN06		Proprietary data - Parrott



**SIDESCAN RECORD INVENTORY 88-108 (Continued)**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>BOX #</b>	<b>LINE #</b>	<b>TYPE</b>	<b>NOTE</b>
24	265/1415	265/1639	R629	GB16	Klein	
25	265/1645	265/1743	R629	GB16		
26	265/1753	265/2309	R629	GBS1 (test) circling		
27	266/0348	266/0630	R629	GB17, 18		
28	266/0630	266/1035	R629	GB19, 20		
29			R629	GBS-01, GBS-10, 11, 14		Proprietary data - Parrott
30			R629	GBS-2A, GBS03- 09 GBS-13		
31.1			R629	ALP-1		
31.2	267/0453	267/1144	R629	GB21		
32	267/1149	267/1530	R629	GB21, 22		
33	269/0942	269/1716	R629	GB30, 31		
34	269/1846	269/3315	R629	GB31, 32		
35	269/2316	270/0010	R629	GB32		
36	272/0745	272/1120	R629			North to South Eagle

**TAPE INVENTORY 88-108**

<b>TAPE #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>TYPE</b>
001	257/2250		Huntec
002	258/2200	260/1829	
003	260/1831	260/2151	
004	260/2151	261/0104	
005	261/0107	261/	
006	261/0416	261/0730	
007	261/0732	261/	
008	261/1047	261/1403	
009	261/1405	261/1756	
010	261/1756	261/2109	
011	261/2113	262/0032	
012	262/0033	262/0347	
013	262/0439	263/0257	
014	263/0257	263/0612	
015	263/0613	263/0927	
016	263/0927	263/1242	
017	263/1243	263/1440	
018	263/1500	263/1826	
019	263/1828	263/2158	
020	263/2159	264/0118	
021	264/0118	264/0430	
022	264/0431	264/0743	
023	264/0744	264/1100	
024	264/1101	264/1851	
025	264/1852	264/2205	
026	274/2200	265/0121	
027	265/0122	265/0434	
028	265/0436	265/0748	
029	265/0749	265/1622	
030	265/1622	265/1756	
031	265/1803		
032	266/0350	266/0700	

**TAPE INVENTORY 88-108 (Continued)**

<b>TAPE #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>TYPE</b>
033	266/0735	266/1015	Huntec
034	266/1018	266/1451	
035	266/1452	266/1805	
036	266/1805	266/2118	
001	257/2250	261/0845	Seismic
002	261/0848	261/2302	
003	261/2309	263/0400	
004	263/0402	263/1640	
005		264/0820	
006	263/1700	265/0300	
007	265/0302	266/0803	
008	266/0808	266/1033	
009	266/1040	266/2200	
010	266/2200	267/1620	
011	267/1638	268/0050	
012	269/		
013	272/2315	273/0530	
001	257/2248	260/1807	Sidescan
002	260/1808	261/0116	
003	261/0120	261/0739	
004	261/0742	261/1407	
005	261/1410	261/2036	
006	261/2039	262/1200	
007	262/0305	262/1824	
008	262/1826	263/0051	
009	263/0051	263/0710	
010	263/0712	263/1332	
011	263/1334	263/1957	
012	263/1958	264/0219	
013	264/0222	264/0835	
014	264/0834	264/	
015	264/1830	265/0005	

**TAPE INVENTORY 88-108 (Continued)**

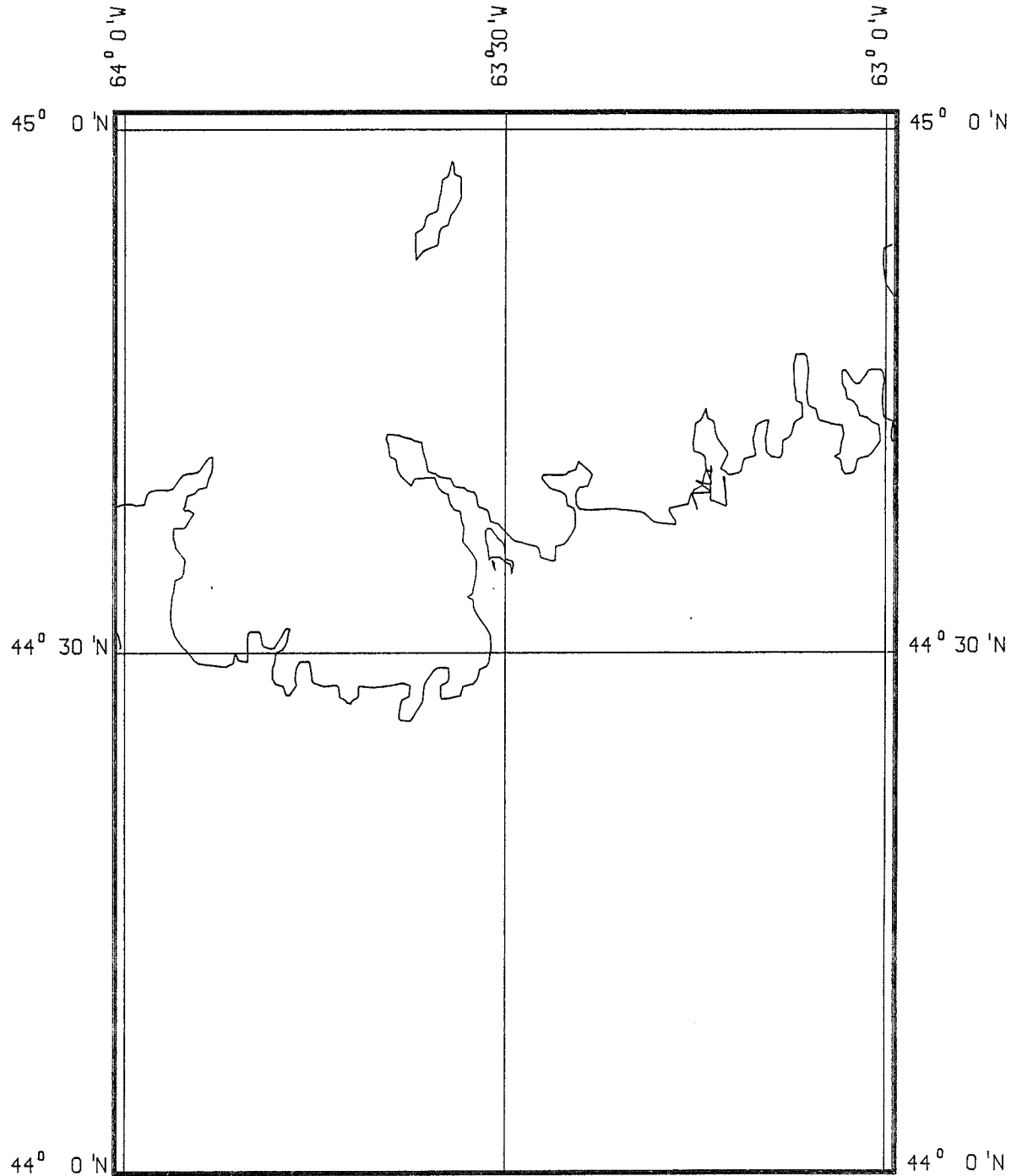
<b>TAPE #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>TYPE</b>
016	265/0005	265/0713	Sidescan
017	265/0716	265/1756	
018	263/0000	266/1918	
019	266/0343	266/1004	
020	266/1005	266/1629	
021	266/1630	266/2143	
022	267/0334	267/0949	
023	267/0953	266/1620	
024	267/1641	267/2300	
025	269/1001	269/1622	
026	269/1624	269/2250	
027	269/2251	272/1130	
028	272/2316	273/0535	
001	257/2241	258/0132	Klein
002	259/2140		
003	260/1833	260/2152	
004	260/2155	261/0106	
005	261/0109	261/0420	
006	261/0424	261/0735	
007	261/0737	261/1050	
008	261/1052	261/1406	
009	261/1408	261/1720	
010	261/1722	261/2032	
011	261/2034	261/2347	
012	261/2349	262/0304	
013	262/0305	262/1651	
014	262/1652	262/2005	
015	262/2008	262/2322	
016	262/2322	263/	
017	263/0235	263/0611	
018	263/0615	263/0928	
019	263/0932	263/1242	

**TAPE INVENTORY 88-108 (Continued)**

<b>TAPE #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>TYPE</b>
020	263/1243	263/1557	Klein Sidescan
021	263/1600	263/1911	
022	263/1913	263/2225	
023	263/2226	264/0138	
024	264/0140	264/0453	
025	264/0456	264/0804	
026	264/0808	264/1120	
027	264/1125	264/1804	
028	264/1809	264/2121	
029	264/2122	265/0036	
030	265/0037	265/0357	
031	265/0403	265/0717	
032	265/0720	265/1605	
033	265/1607	265/1756	
034	265/1806	265/1918	
035	266/0340	266/0650	
036	266/0659	266/1007	
037	266/1010	266/1405	
038	266/1407	266/1717	
039	266/1708	266/2032	
040	266/2032	266/2210	
041	267/0334	267/0643	
042	267/0645	267/0955	
043	267/0957	267/1303	
044	267/1305	267/1602	
045		269/2009	
046	269/2010	269/2322	
047	269/2324	272/0925	
048	272/0933	272/1130	

DATE = 89/02/20. TIME = 10.30.01. SCALE = 500000.00 REF LATS = 45.00 0.00

CRUISE TRACKS - 88300  
1-500,000 (MERCATOR, 45N)



CRUISES/FILES ON THIS PLOT ARE:

88300

ATLANTIC GEOSCIENCE CENTRE

**BATHYMETRY RECORD INVENTORY 88-300**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>TYPE</b>	<b>GEOGRAPHIC AREA</b>
001	056/1258	056/1357	30 kHz	Mouth of Halifax Harbour
002	062/1438	062/1506		Mouth of Halifax Harbour
003	256/1126	256/1352		Mouth of Halifax Harbour

**SEISMIC RECORD INVENTORY 88-300**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>TYPE</b>	<b>GEOGRAPHIC AREA</b>
001	256/1126	256/1428	Bubble Pulser	Off Chezzetcook Inlet

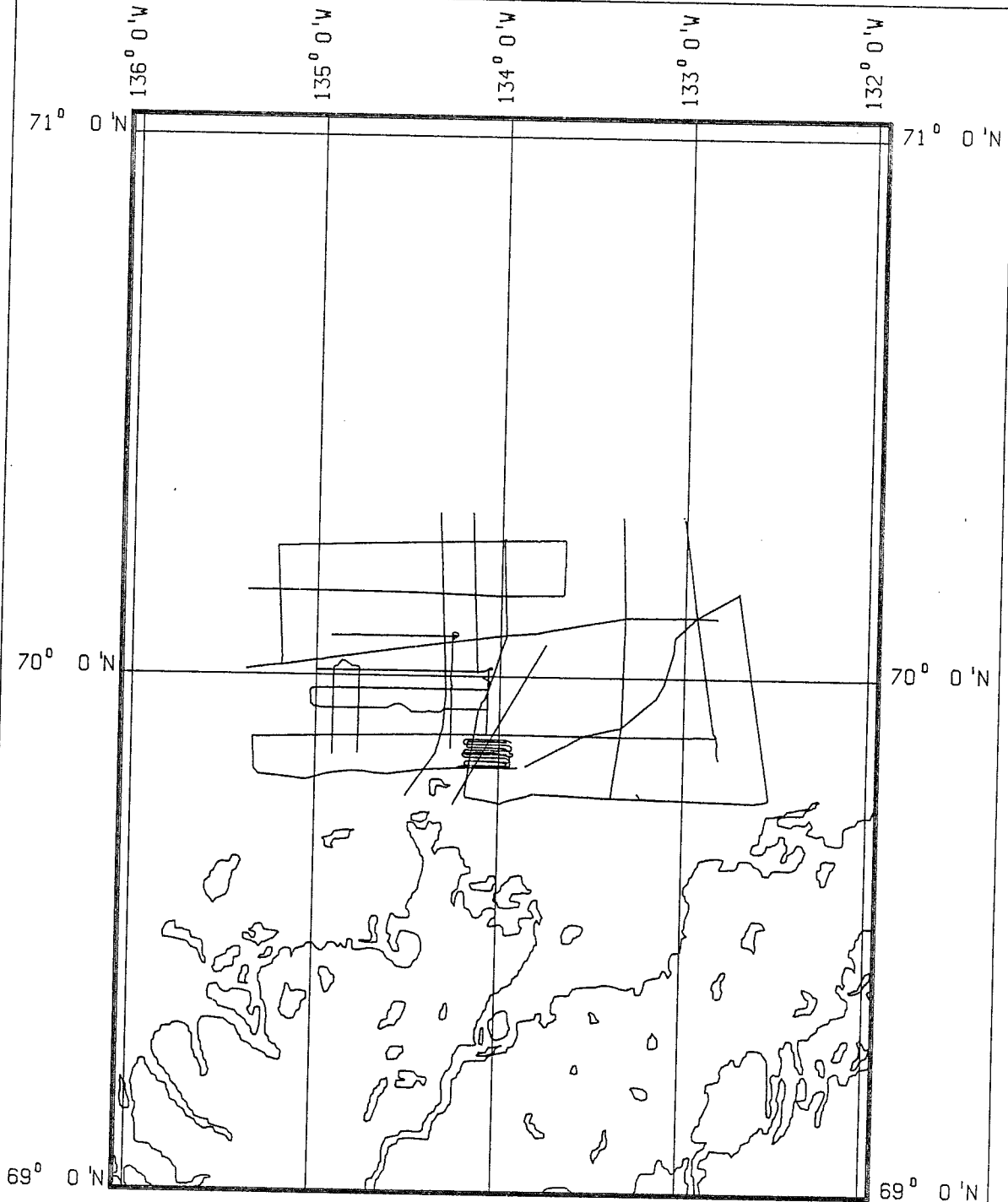
**SIDESCAN RECORD INVENTORY 88-300**

<b>RECORD #</b>	<b>START DAY/TIME</b>	<b>STOP DAY/TIME</b>	<b>GEOGRAPHIC AREA</b>
001	056/1258	056/1357	Mouth of Halifax Harbour
002	062/1438	062/1506	Mouth of Halifax Harbour
003	256/1126	256/1428	Off Chezzetcook Inlet

DATE = 89/02/20. TIME = 10.33.39. SCALE = 1000000.00 REF LATS = 70.00 0.00

# CRUISE TRACKS - 88 NAHIDIK

1:1,000,000 (MERCATOR, 70N)



88NAHIDIK  
BENAFH

ATLANTIC GEOSCIENCE CENTRE



## SEISMIC RECORD INVENTORY 88-NAHIDIK

ROLL #	START FIX #	STOP FIX #	START DAY/ TIME	STOP DAY/ TIME	TYPE
001	0491	0632	248/1955	249/0053	Boomer & Airgun
002	0640	1031	249/2146	250/0556	
003	1032	1367	250/0720	250/1317	
004	1368	1637	252/1222	252/1752	
005	1638	2006	252/1753	253/0152	
006	2007	2094	253/0153	253/0412	
007	2095	2169	253/0413	253/0556	
008	2170	2596	253/0558	253/1358	
009	2623	2976	253/2116	254/0458	
010	2976	3333	254/0804	254/1446	
011	3332	3386	254/1444	254/1539	
012	3387	3708	254/1540	254/2302	
013	3717	3796	254/2311	255/0039	
014	3798	4047	255/0042	255/0541	
015	4048	4213	255/0647	255/1015	
016	4215	4555	255/1019	255/1643	
017	4556	4811	255/2046	256/0214	
018	4912	5035	256/0511	256/0810	
019	5039	5219	257/0109	257/0441	
020	5220	5512	257/0442	257/1013	
021	5513	5685	257/1034	257/1339	
022	5691	5831	257/1545	257/1843	
023	5831	5892	257/1843	257/2017	
024	5893	5952	257/2018	257/2140	
025	5953	6023	257/2141	257/2323	
026	6024	6160	257/2324	258/0240	
027	6161	6370	258/0242	258/0725	
028	6371	6779	258/0932	258/1730	
029	6780	7000	258/1825	258/2257	
030	7001	7228	258/2312	259/0429	

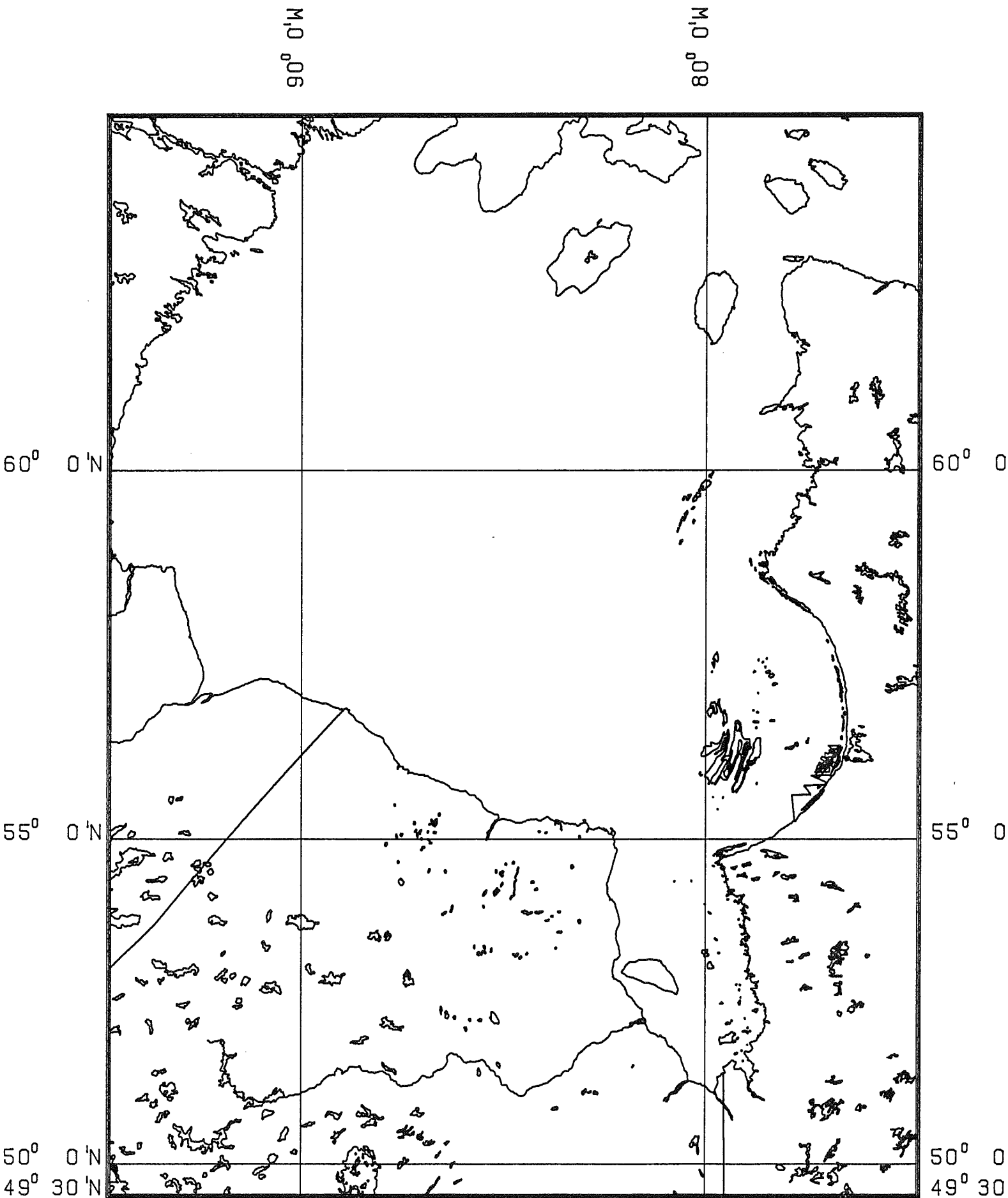
**SEISMIC RECORD INVENTORY 88-NAHIDIK (Continued)**

<b>ROLL #</b>	<b>START FIX #</b>	<b>STOP FIX #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>TYPE</b>
031	7262	7539	259/0516	259/1123	Boomer & Airgun
032	7539	7855	259/1244	259/1841	
033	7856	8084	259/2025	260/0135	
034	8108	8203	260/0424	260/0639	
035	8204	8365	260/0640	260/1007	
001	0001	0056	247/2356	248/0714	Boomer & PTR
002	0055	0331	248/0818	248/1454	
003	0332	0519	248/1456	248/2055	
004	0520	0639	248/2057	249/0112	
005	0640	1031	249/2146	250/0556	
006	1032	1367	250/0720	250/1317	
007	1368	1637	252/1222	252/1752	
008	1638	2006	252/1753	253/0152	
009	2007	2094	253/0153	253/0412	
010	2095	2169	253/0413	253/0556	
011	2170	2596	253/0558	253/1358	
012	2829	2976	254/0142	254/0458	
013	2976	3332	254/0804	254/1444	
014	3332	3386	254/1444	254/1539	
015	3387	3707	254/1540	254/2301	
016	3709	3796	254/2303	255/0039	
017	3814	4047	255/0106	255/0541	
018	4048	4213	255/0647	255/1015	
019	4215	4555	255/1019	255/1643	
020	4556	4811	255/2046	256/0214	
021	5039	5219	257/0109	257/0441	
022	5221	5512	257/0443	257/1013	
023	5513	5685	257/1034	257/1339	
024	5686	5831	257/1538	257/1843	
025	5832	5892	257/1845	257/2017	

**SEISMIC RECORD INVENTORY 88-NAHIDIK (Continued)**

<b>ROLL #</b>	<b>START FIX #</b>	<b>STOP FIX #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>TYPE</b>
026	5893	5952	257/2018	257/2140	Boomer & PTR
027	5953	6023	257/2141	257/2323	
028	6024	6160	257/2324	258/0240	
029	6163	6370	258/0245	258/0725	
030	6371	6779	258/0932	258/1730	
031	6780	7000	258/1825	258/2257	
032	7001	7262	258/2312	259/0516	
033	7264	7539	259/0519	259/1123	
034	7539	7855	259/1244	259/1841	
035	7856	8084	259/2025	260/0135	
036	8085	8203	260/0352	260/0639	
037	8204	8365	260/0640	260/1007	

CRUISE TRACKS - 88NARWHAL  
1#7,500,000 (MERCATOR, 56N)



**BATHYMETRY RECORD INVENTORY 88 NARWHAL**

<b>RECORD #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>TYPE</b>
001	257/1930	258/0535	3.5 kHz
002	258/0539	258/1858	
003	258/2109	259/0745	
004	259/2015	259/2316	
005	259/2328	260/1136	
006	260/1915	261/0900	
007	262/1615	263/0815	

**SEISMIC RECORD INVENTORY 88 NARWHAL**

<b>RECORD #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>TYPE</b>
001	258/0000	258/0745	Geopulse Sparker
002	258/2109	259/0745	
003	259/2030	260/0235	
001	260/1930	261/0904	Huntec Sea Otter
002	262/1615	263/0815	

**SIDESCAN RECORD INVENTORY 88 NARWHAL**

<b>RECORD #</b>	<b>START DAY/ TIME</b>	<b>STOP DAY/ TIME</b>	<b>TYPE</b>
001	257/2130	258/0745	100 kHz
002	258/2130	259/0715	
003	259/2030	260/0746	