Marine Environmental Data Service

Pilot Catalog of OSS Marine Data Holdings

December 1981

Fisheries and Oceans
Pêches et Océans

Canada

MARINE ENVIRONMENTAL DATA SERVICE

Pilot Catalog of OSS Marine Data Holdings

December 1981

DEPARTMENT OF FISHERIES AND OCEANS
OTTAWA, CANADA

Requests for copies should be sent to:

Marine Environmental Data Services Branch, Ocean Science and Surveys, Department of Fisheries and Oceans, Ottawa, Ontario. K1A 0E6.

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Fisheries and Oceans | Pêches et Océans

May 4, 1982

Dear Colleague:

I am pleased to proffer, for your information and comments, the pilot version of the catalog of OSS marine data holdings. With the publication of this experimental catalog, the first phase in the development of a Canadian marine data inventory is complete.

The second phase begins with the evaluation of both the computerized inventory called CAMDI (the Canadian Marine Data Inventory) and this catalog. In the evaluation, both the catalog and the inventory are to be judged on their value as tools for users seeking marine data collected by others to be incorporated in their own studies, i.e. "secondary users". There is widespread interest in secondary usage of marine data, for obvious reasons. As you will see from the contents of the catalog, there is a tremendous wealth of marine data around Canada, so much so that collectively they may be considered a national resource.

Also enclosed for your information is a bibliographic key word index for all publications issued by the Bedford Institute of Oceanography since its inception. This is a preliminary index and as yet unverified but it represents most of the material that has been issued. A revised version will be available in 1982. Please contact the library at the Bedford Institute should you wish copies of this material and use the reference also as a source of advice on the various study programs being conducted at the Institute. For more details about a particular program, you may also wish to seek out the scientist who has produced the report in question. The Bedford Institute has a Marine Advisory and Industrial Liaison Office (BIOMAIL) which can assist you in finding out information concerning the Institute as well.

The purpose of this catalog and the CAMDI which supports it is to make the search for marine data easier. If you can spare some time to comment, please keep this purpose in mind and tell us how the content and format could be improved to better meet your requirements.

If you wish more information about the project, the catalog or CAMDI, or wish to participate in the review of the on-line computer inventory, please let us know. I would be grateful to receive your comments and suggestions on the pilot catalog as soon as possible, but hopefully *before July 15, 1982*.

Yours truly,

J. R. Wilson
Director
Marine Environmental Data
Services Branch

Canada

Government of Canada / Gouvernement du Canada
Fisheries and Oceans / Pêches et Océans

Le 4 mai 1982

Cher collègue,

J'ai le plaisir de vous présenter, pour fins d'information et de commentaires, la version pilote du catalogue des données marines des SLO. La première étape de l'élaboration d'un répertoire canadien des données marines s'achève avec la publication de ce catalogue expérimental.

La deuxième étape s'amorce avec l'évaluation du répertoire informatisé connu sous le nom de CAMDI (le Répertoire canadien des données marines) et du présent catalogue. Dans le cadre de l'évaluation, le catalogue et le répertoire doivent être jugés en fonction de leur valeur à titre d'outils pour les "utilisateurs secondaires", c'est-à-dire les utilisateurs qui recherchent des données marines recueillies par d'autres, en vue de les inclure dans leurs études. Pour des raisons évidentes, l'utilisation des données marines par des utilisateurs secondaires suscite un vif intérêt. Comme vous le constaterez en lisant la table des matières du catalogue, il existe une profusion insoupçonnée de données marines au Canada, qui peuvent être considérées collectivement comme une ressource nationale.

Vous trouverez également à titre d'information un index bibliographique, par vedette-matière, de tous les ouvrages publiés par l'Institut océanographique de Bedford depuis ses débuts. Il s'agit d'un index provisoire qui n'a pas encore été vérifié mais qui indique la plupart des documents qui ont été publiés. Une version révisée sera disponible en 1982. Si vous désirez avoir des exemplaires de ces documents ou consulter des ouvrages de référence sur les divers programmes d'étude en cours à l'Institut, veuillez vous adresser à la bibliothèque de l'Institut. Si vous désirez de plus amples informations sur un programme en particulier, vous pouvez également vous adresser au scientifique qui est l'auteur du rapport en question. Il y a à l'Institut de Bedford un Bureau de liaison avec l'industrie et de consultation sur les affaires océanographiques (BIOMAIL) qui peut également vous renseigner sur l'Institut.

L'objet du présent catalogue et du CAMDI à l'appui est de faciliter la recherche de données marines. Si vous pouvez consacrer quelque temps à formuler des commentaires, veuillez vous rappeler l'objet du document et nous faire part des améliorations à apporter au contenu et à la présentation, afin qu'il réponde mieux à vos besoins.

Si vous désirez de plus amples renseignements sur le projet, le catalogue ou le CAMDI, ou si vous désirez participer à l'examen du répertoire informatisé en direct, veuillez nous en aviser. Je vous saurais gré de me faire part de vos commentaires et suggestions sur le catalogue pilote le plus tôt possible, idéalement *avant le 15 juillet 1982*.

Veuillez agréer, cher collègue, l'expression de mes sentiments les meilleurs.

J. R. Wilson
Directeur
Services des données
sur le milieu marin

Canada

Errata

Because of a software problem in our program to load CAMDI information into the computer, some of the years (start and end) listed in Section 5 are wrong. These can be spotted easily as they were all entered as 1919. The CAMDI numbers where this applies are listed below. The computer bank holding this data has been corrected.

A cause d'un problème de logiciel dans un de nos programmes d'entrée du système CAMDI, quelques années (début et fin) données à la Section 5 sont fausses. Elles peuvent être reconnues facilement parce qu'elles ont toutes été entrées comme étant 1919. Les numéros CAMDI auxquels cette erreur s'applique sont donnés ici-bas. La banque sur ordinateur a déjà été corrigée.

C81 023 L01
C81 041 U01
C81 041 Y01
C81 054 Ø61
C81 055 Ø21
C81 055 H02
C81 062 C03
C81 065 Ø81
C81 068 Ø81
C81 068 Ø82
C81 068 Ø83
C81 068 Ø84
C81 071 H03
C81 071 H04
C81 074 Ø81
C81 076 Ø81
C81 082 C03
C81 083 H12
C81 084 Ø81
C81 086 H01
C81 086 H09
C81 089 H22
C81 090 H09
C81 090 H15
C81 152 I01
C81 258 I01
C81 264 I01
C81 265 J01
C81 267 I01
C81 278 I01
C81 282 B01
C81 299 I01
C81 301 I01
C81 306 I03
C81 307 I01
C81 309 I01
C81 322 I02
C81 328 I01
C81 328 I02
C81 334 I01
C81 334 I03
C82 019 I01
C82 019 I02
C82 025 I01
C82 029 I01
C82 029 I02

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1. INTRODUCTION

In 1980 a policy for the management of data collected by or submitted to the Ocean Science and Surveys (OSS) sector of the Department of Fisheries and Oceans was developed. The implementation plan for the policy gave high priority to a "national computer based inventory of OSS data holdings" as the basis for a sound data management scheme. This catalog has been produced as a step in the development of such an inventory. The inventory has been named "CAMDI" for "Canadian Marine Data Inventory". Both the computer based inventory and this "pilot" catalog are still in the prototype stage. It is the intention of MEDS to use the experience gained from the developments to date to design and implement a fully computerized CAMDI, eventually including all types of oceanographic data and covering industry, university and government holdings.

The catalog is a guide to what data are available, in effect a simple list. It was decided that a complex catalog requiring excessive development was not appropriate at this stage of CAMDI. No cross-references have been developed for searching against the sort orders used in the various tables. It was felt that, with the exception of section 3, Oceanographic Cruises, the given sort would suffice. For section 3, there are so many cruises that compiling a cross-reference, say by geographic area or time, would be too formidable a task for a pilot catalog. Also, in the long run, the CAMDI inventory will be used for searching, as it will be remotely available on-line with its own flexible retrieval software emphasizing data type/area/time/identification search facilities. It will also be continually updated and provide more information about each dataset than could be economically provided in a hard copy catalog.

The coverage of the catalog is most complete for physical/chemical data held by OSS but is not restricted entirely to datasets of this organization. Some industry and university datasets which were encountered during the pilot phase of the project have been included.

The catalog demonstrates a possible format which considers both the type of information that might be recorded about datasets and an arrangement of datasets by the predominate kind of data in each dataset. It is not complete, as has already been stated, nor is it likely to be completely correct (in some cases our information had to be gotten secondhand in unverifiable form). Most of the information has been derived directly from the CAMDI database, but not all.

It is expected that the format and content of the catalog will develop substantially during the CAMDI review through the benefit of user comments and with the evolution of the software systems supporting the CAMDI database.

Even though the coverage is incomplete, the catalog is large; about 1500 pages. In order to reduce costs the pilot version is on microfiche. To make it easier to comprehend we have duplicated, in hard-copy, the section introductions, all maps and the first page of each inventory table.

The pilot catalog has been widely distributed for two reasons: firstly to encourage comment and secondly because we see it even in this preliminary form as a useful document.

2. TIME SERIES

For the purpose of the pilot catalog, "Time Series" describes oceanographic data collected at regular intervals at one place. This section displays tidal and water level stations, wave data measured by moored buoys, moored current meters, temperature and salinity recorded at shore stations, and environmental data from off-shore platforms.

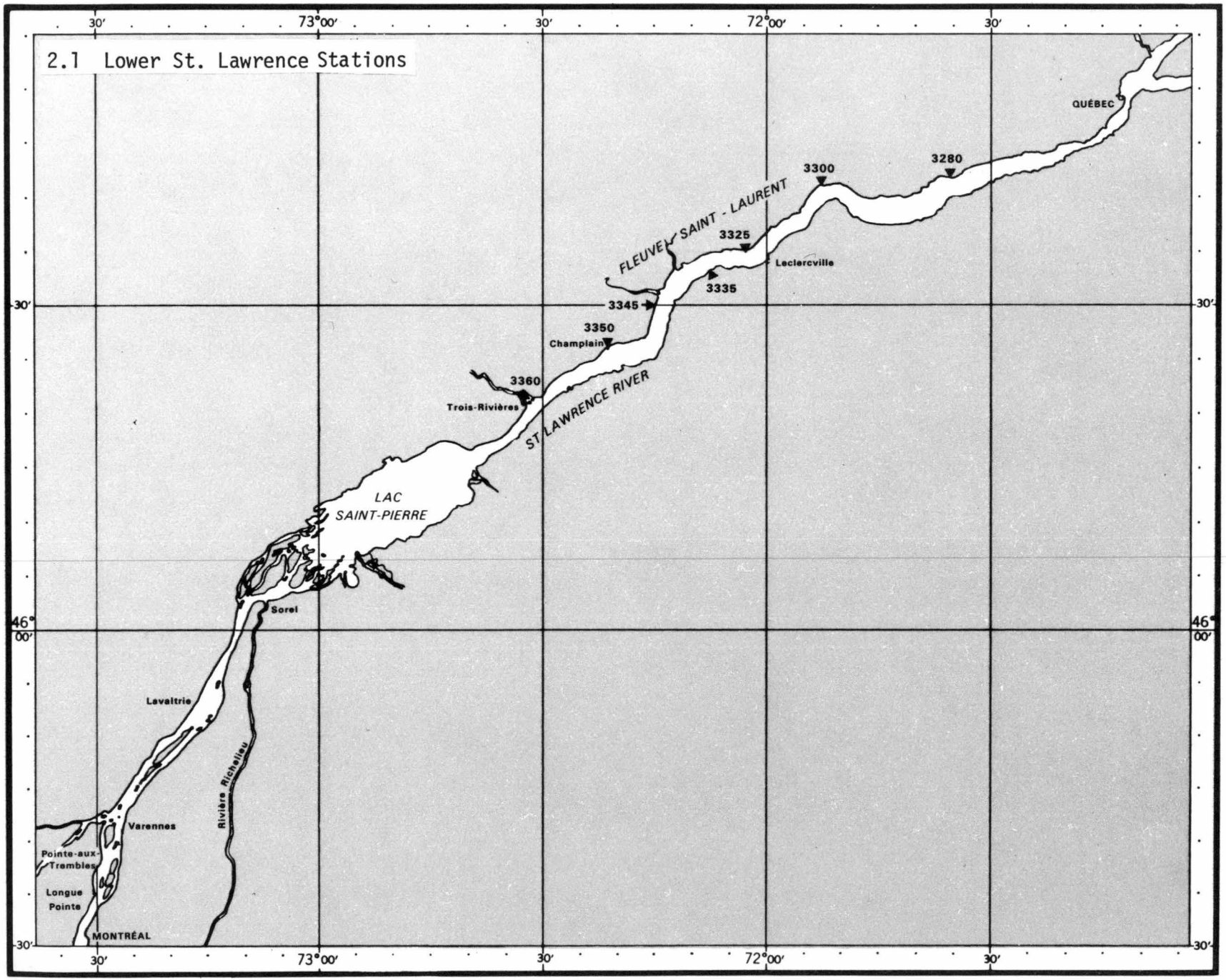
2.1 Tide and water level stations

The pilot catalog lists the temporary and permanent tide and water level gauge stations operated by the Water Survey of Canada for the Canadian Hydrographic Service. Stations appear on all Canadian coasts, distributed to provide a reasonable coverage of areas of different tidal characteristics. The network also includes gauges around the Great Lakes.

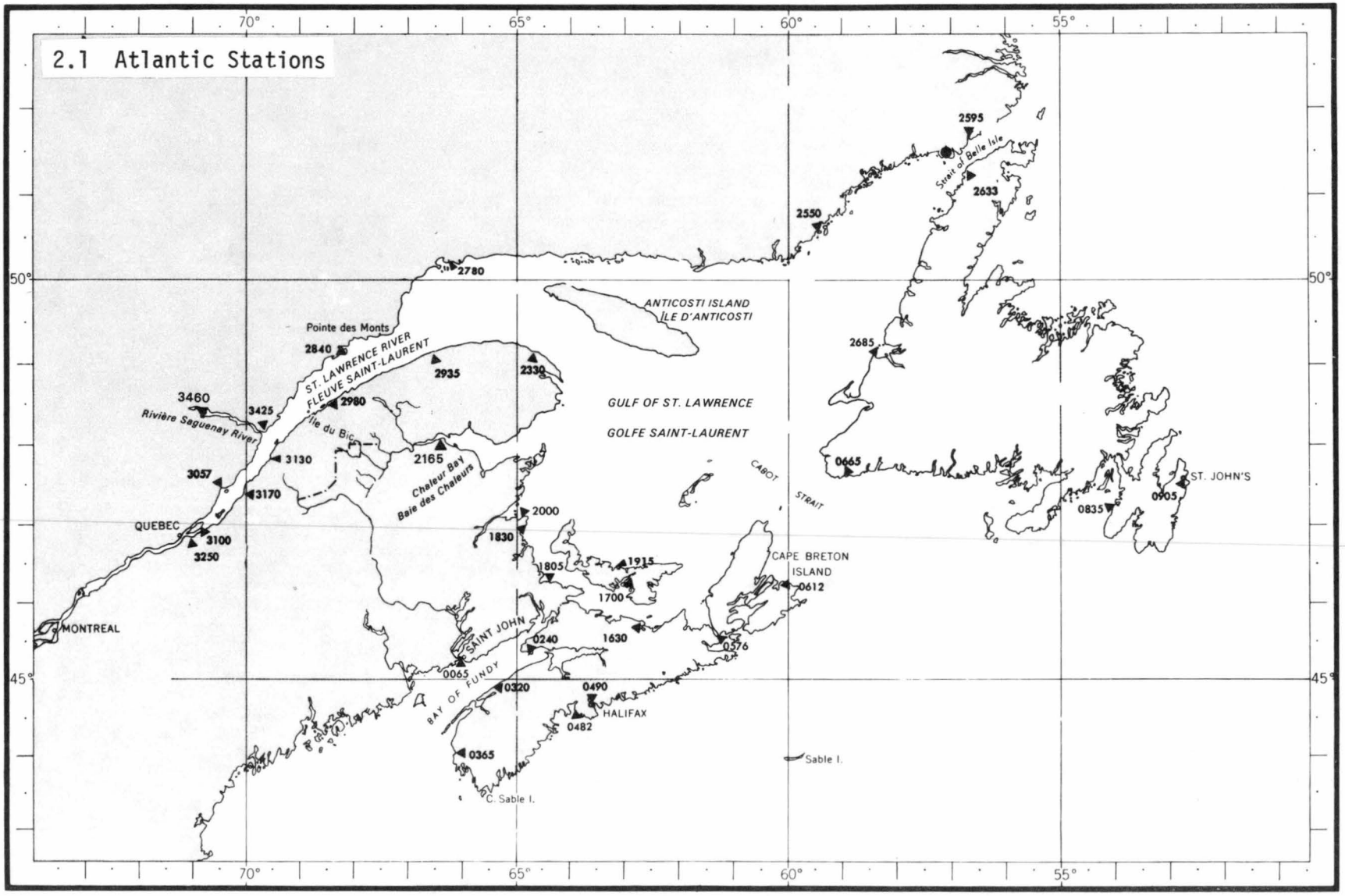
The positions of most permanent gauges are shown on the maps. There is a table listing all the stations in the area for each map. Station number cross-references the tables and maps. Each line of the table reports one station or one reporting period for a given station. The tables are sorted by station number.

The table headings are:

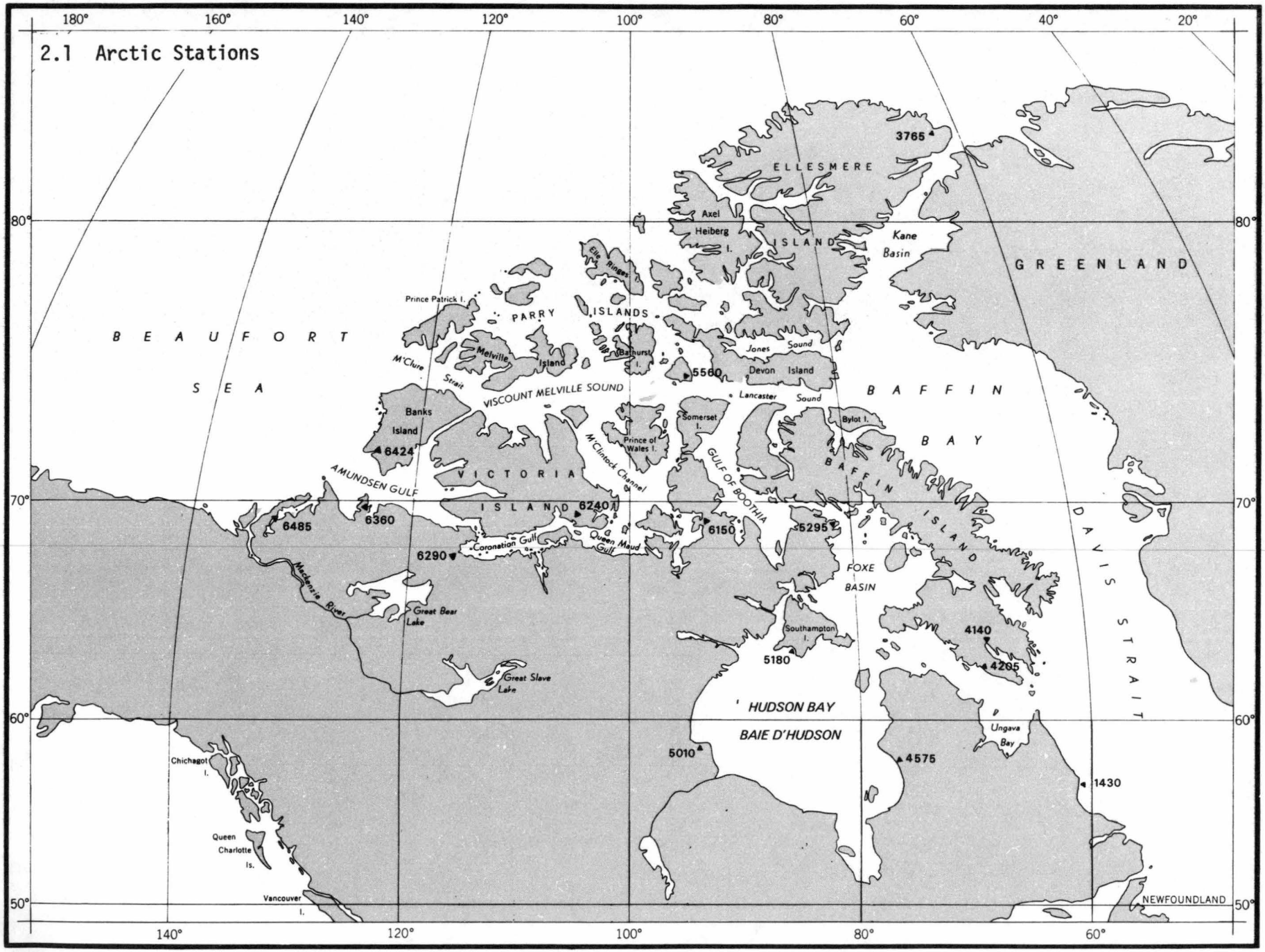
STATION NUMBER:	The official station number as shown on the map.
STATION NAME:	The name of the place where the station is located.
LATITUDE NORTH and LONGITUDE WEST:	The position of the station.
START DATE and END START:	The contiguous recording period(s) expressed as day/month/year.


2.1 Lower St. Lawrence Stations
30′
73°00′
30′
72°00′
30′
QUÉBEC
3280
3300
FLEUVE SAINT - LAURENT
3325
Leclercville
3335
3345
3350
Champlain
3360
Trois-Rivières
ST LAWRENCE RIVER
LAC
SAINT-PIERRE
Sorel
46°
00′
Lavaltrie
Rivière Richelieu
Varennes
Pointe-aux-
Trembles
Longue
Pointe
MONTRÉAL
30′
73°00′
30′
72°00′
30′

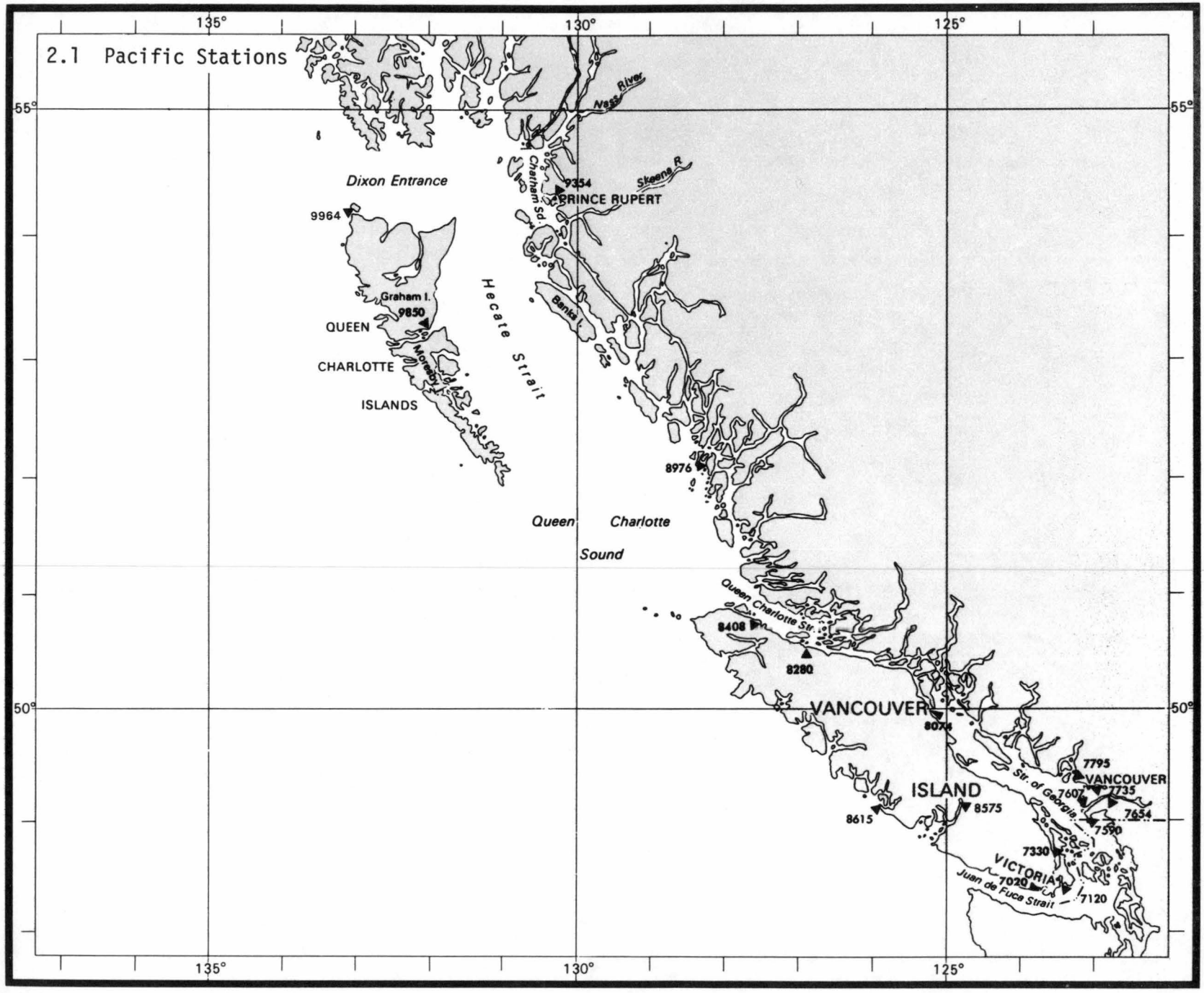
STATION NUMBER	STATION NAME	LATITUDE NORTH	LONGITUDE WEST	START DATE DD	MM	YYYY	END DATE DD	MM	YYYY
***									
* 03270	ST-NICHOLAS	46.7167	71.3833	1	1	1914	31	12	1918
* 03280	NEUVILLE	46.7050	71.5783	1	1	1914	31	1	1966
*				1	1	1969	31	12	1979
* 03295	POINTE-AU-PLATON	46.6667	71.8500	1	1	1913	31	12	1918
*				1	1	1934	31	12	1936
* 03300	PORTNEUF	46.6919	71.8867	1	4	1960	31	12	1979
* 03304	GRIST MILL	46.6500	71.9000	1	8	1935	31	8	1935
* 03325	GRONDINES	46.5861	72.0428	1	1	1934	31	12	1979
* 03335	CAP A LA ROCHE	46.5711	72.1103	1	5	1886	31	7	1886
*				1	7	1905	30	11	1906
*				1	1	1915	31	12	1979
* 03337	BRICKYARDS	46.5500	72.1500	1	8	1935	31	8	1935
*				1	6	1969	31	8	1969
* 03345	BATISCAN	46.5008	72.2558	1	4	1913	31	12	1979
* 03350	CHAMPLAIN	46.4447	72.3447	1	1	1962	31	12	1979
* 03360	TROIS-RIVIERES	46.3361	72.5511	1	1	1912	31	12	1979


2.1 Atlantic Stations
70°
65°
60°
55°
50°
45°
2595
Strait of Belle Isle
2633
2550
2780
ANTICOSTI ISLAND
ILE D'ANTICOSTI
Pointe des Monts
2840
ST. LAWRENCE RIVER
FLEUVE SAINT-LAURENT
2935
2330
2980
3460
3425
Rivière Saguenay River
Ile du Bic
GULF OF ST. LAWRENCE
GOLFE SAINT-LAURENT
2685
3130
2165
Chaleur Bay
Baie des Chaleurs
3057
3170
0665
CABOT
STRAIT
ST. JOHN'S
0905
0835
QUEBEC
3100
3250
2000
1830
1805
1915
1700
CAPE BRETON
ISLAND
0612
MONTREAL
SAINT JOHN
0240
1630
0576
0065
0320
0490
HALIFAX
0482
BAY OF FUNDY
0365
Sable I.
C. Sable I.

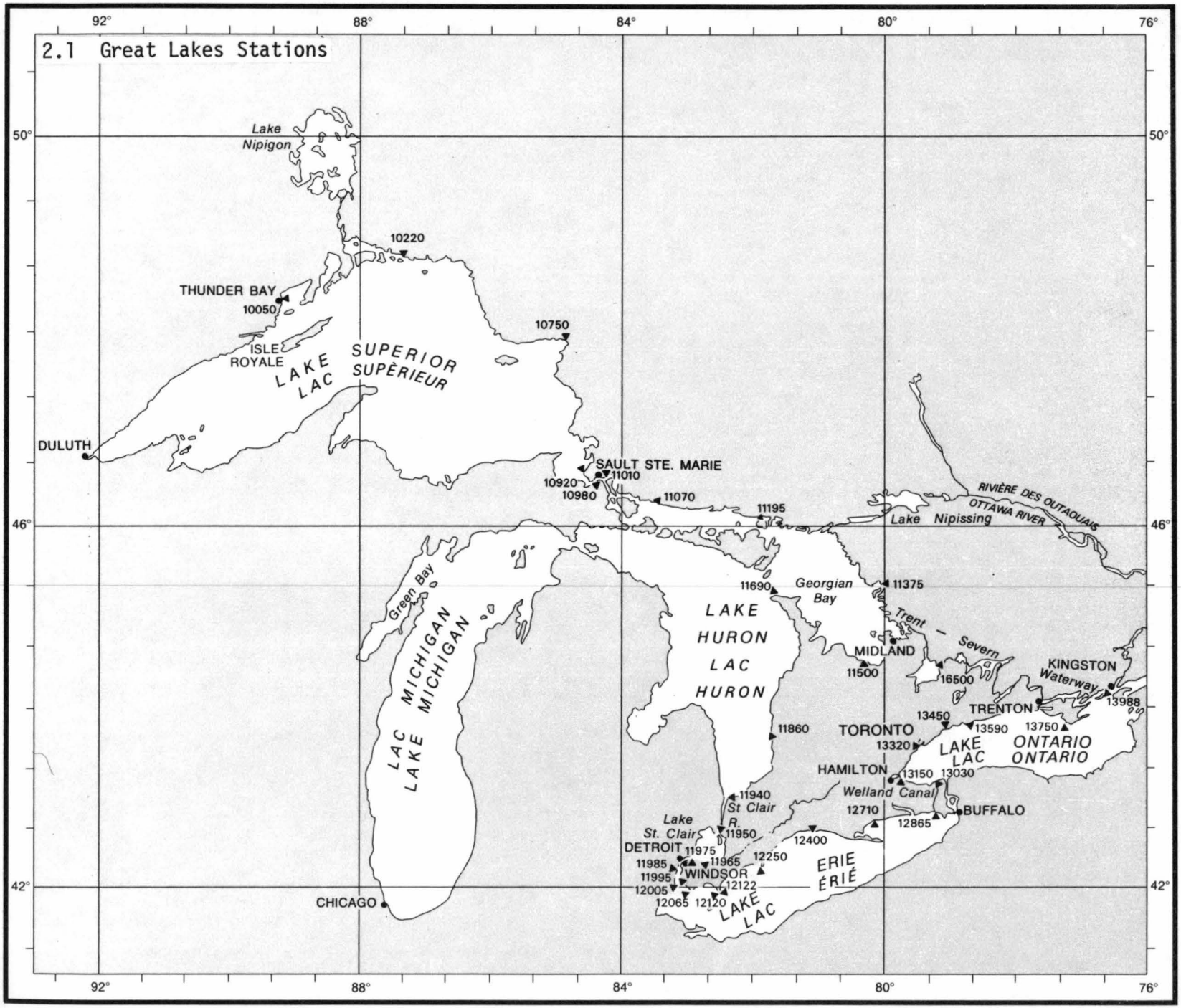
STATION NUMBER	STATION NAME	LATITUDE NORTH	LONGITUDE WEST	START DATE DD	MM	YYYY	END DATE DD	MM	YYYY
***									
*	SEAL ISLAND	46.2333	60.5000	5	6	1973	11	8	1973
*	MARBLE ISLAND	45.8333	61.0333	6	6	1973	10	8	1973
*	ESKASONI	45.9500	60.6000	8	6	1973	11	8	1973
*	BADDECK	46.1000	60.7500	26	6	1973	12	8	1973
*	WHYCOCOMAGH	45.9833	61.1167	9	7	1973	31	7	1973
*	IONA	45.9667	60.8000	11	7	1973	11	8	1973
*	JOHNSTON HARBOUR	45.7667	60.7500	15	7	1973	6	8	1973
*	BIG BRAS D'OR LAKES	46.2833	60.4333	5	8	1973	12	8	1973
*	LOGGIEVILLE	47.0806	65.3986	5	9	1973	21	10	1973
*	NEGUAC	47.2444	65.0833	9	9	1973	15	10	1973
*	BIG BRAS D'OR	46.2833	60.4333	30	5	1974	16	6	1974
*	MARBLE MOUNTAIN	45.0000	61.0333	30	5	1974	3	7	1974
*	LITTLE BRAS D'OR	46.2333	60.2833	31	5	1974	5	7	1974
*	IONA	45.9667	60.8000	31	5	1974	19	7	1974
*	ESKASONI	45.9500	60.6000	31	5	1974	16	7	1974
*	BADDECK	46.1000	60.7500	4	6	1974	10	7	1974
* CAPE SABLE	C6	43.4681	65.0506	17	10	1979	26	3	1980
* CAPE SABLE	C2	43.0511	65.7506	17	10	1979	27	3	1980
* STATION 482	BOUTILIERS PT.	44.6556	63.9558	1	4	1967	31	12	1967
*				1	1	1968	31	12	1968
* 00002	LITTLEWOOD ISLAND	44.6167	66.8333	1	6	1926	30	11	1926
* 00003	NECK, MAINE	44.0000	68.0000	1	10	1957	30	11	1957
* 00005	SEAL COVE	44.6500	66.8333	1	7	1948	30	9	1948
* 00010	NORTH HEAD	44.7667	66.7500	1	6	1926	31	12	1926
*				1	6	1949	30	11	1949
*				1	9	1964	31	10	1964
* 00015	WELSHPOOL	44.8833	66.9500	1	7	1898	30	11	1898
*				1	7	1926	31	10	1928
* 00020	WILSONS BEACH	44.9333	66.9333	1	9	1948	30	9	1948
*				1	3	1957	31	3	1958
* 00024	EASTPORT, MAINE	44.9000	66.9833	1	3	1957	31	3	1958
* 00025	FAIRHAVEN	44.9667	67.0167	1	3	1957	31	3	1958
* 00030	BACK BAY HARBOUR	45.0500	66.8667	1	3	1957	31	3	1958
*				1	6	1972	31	10	1972
* 00035	ST.STEPHEN	45.2000	67.2833	1	9	1922	31	12	1922
* 00040	ST.ANDREWS	45.0667	67.0500	1	6	1917	30	11	1917
*				1	4	1957	31	12	1957
* 00046	WEST DIPPER	45.1000	66.4333	1	5	1965	30	9	1965
* 00060	PARTRIDGE ISLAND	45.2333	66.0500	1	6	1950	30	9	1950
* 00065	SAINT JOHN	45.2681	66.0711	1	1	1893	31	12	1895
*				1	1	1897	31	12	1979
* 00070	MARBLE COVE	45.2667	66.0833	1	6	1912	31	7	1912
* 00075	INDIANTOWN	44.1833	66.0833	1	10	1907	31	10	1908
*				1	6	1920	31	8	1921
*				1	8	1926	31	12	1927
*				1	6	1958	31	3	1961
*				1	6	1966	31	12	1969
* 00080	CARTER POINT	45.4000	66.1833	1	7	1912	30	9	1912
* 00085	ROTHESAY	45.4000	66.0000	1	6	1912	30	9	1912
*				1	6	1927	31	8	1928
*				1	7	1930	30	11	1930
*				1	11	1965	31	7	1969


2.1 Arctic Stations
180°
160°
140°
120°
100°
80°
60°
40°
20°
80°
70°
60°
50°
ELLESMERE
ISLAND
3765
Axel
Heiberg
I.
Kane
Basin
GREENLAND
Ellef
Ringes
Prince Patrick I.
PARRY
ISLANDS
BEAUFORT
SEA
M'Clure
Strait
Melville
Island
Bathurst
I.
5560
Jones
Sound
Devon Island
VISCOUNT MELVILLE SOUND
Lancaster
Sound
BAFFIN
BAY
Banks
Island
6424
Somerset
I.
Bylot I.
Prince of
Wales I.
M'Clintock Channel
GULF OF BOOTHIA
BAFFIN
ISLAND
AMUNDSEN GULF
VICTORIA
ISLAND
6240
6485
6360
6150
5295
Coronation Gulf
Queen Maud
Gulf
6290
FOXE
BASIN
DAVIS STRAIT
Mackenzie River
Great Bear
Lake
Southampton
I.
4140
4265
5180
Great Slave
Lake
HUDSON BAY
BAIE D'HUDSON
Ungava
Bay
5010
4575
1430
Chichagof
I.
Queen
Charlotte
Is.
Vancouver
I.
NEWFOUNDLAND

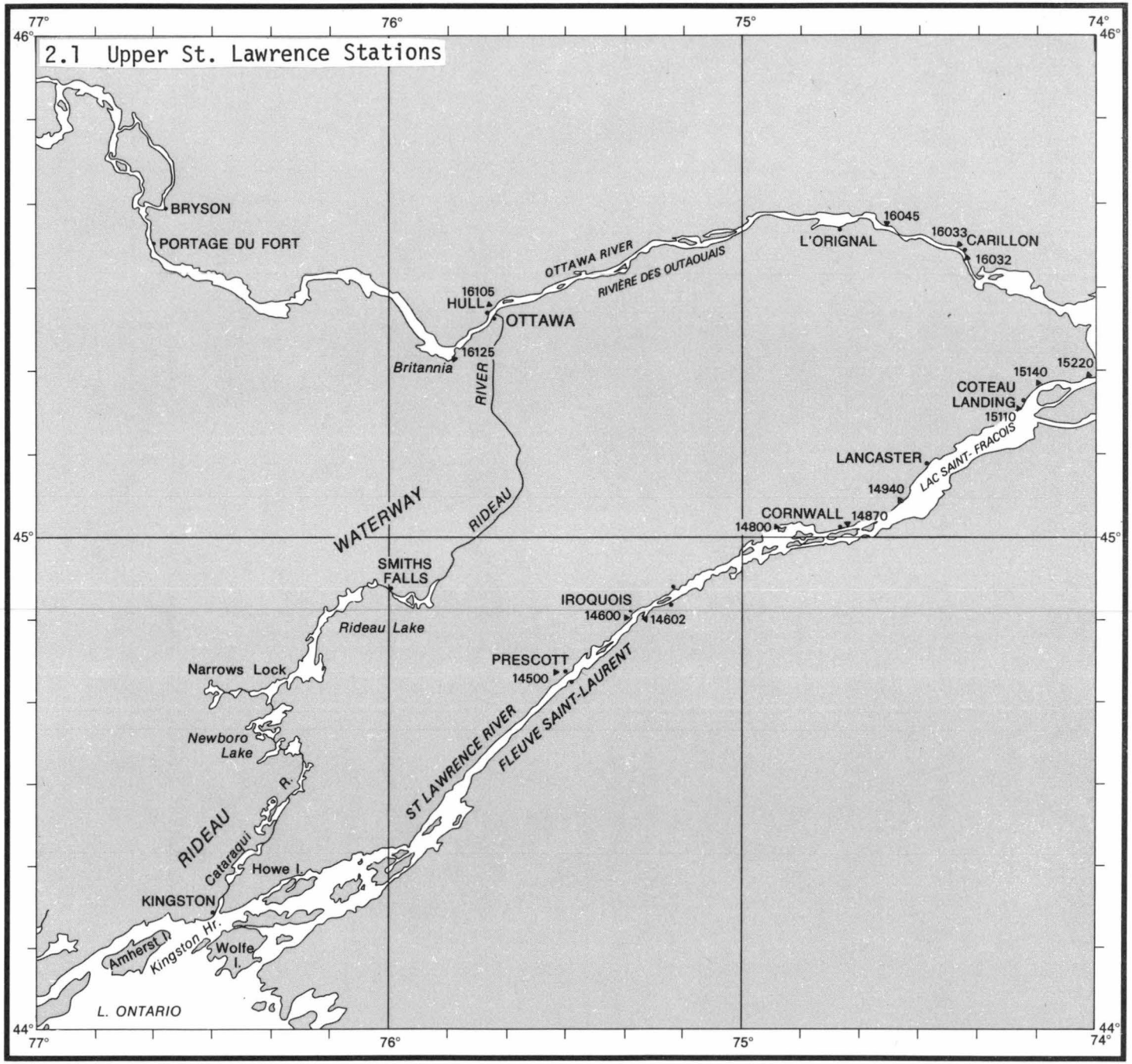
STATION NUMBER	STATION NAME	LATITUDE NORTH	LONGITUDE WEST	START DATE DD	MM	YYYY	END DATE DD	MM	YYYY
***									
*		63.6633	79.6517	27	7	1975	20	9	1975
*		57.5000	86.0000	3	8	1975	8	9	1975
*		76.7500	96.9000	16	3	1976	22	4	1976
*	STE FANSSON ISLAND	73.7667	105.6167	12	3	1978	18	4	1978
* BARBOUR BAY		63.5917	92.2333	26	8	1978	3	9	1978
* BIG PT		63.9700	93.3883	13	9	1978	27	9	1978
* BOWELL IS		63.9683	93.7350	10	9	1978	26	9	1978
* BOWELL IS N		64.0500	94.0667	22	9	1978	27	9	1978
* CAPE BOUNTY	CAPE BOUNTY	74.8500	109.5333	10	3	1977	16	4	1977
* CENTRE IS		63.6400	91.4867	12	8	1978	28	8	1978
* CHEST INLET		63.3583	90.7167	10	8	1978	24	8	1978
* CROSS BAY		63.8917	93.4617	11	9	1978	14	9	1978
* EKATUVIK PT		63.7117	91.7317	24	8	1978	9	9	1978
* FARTHUR HOPE		63.7450	92.2400	28	8	1978	11	9	1978
* ICE CUTTER P		63.9900	94.3000	15	9	1978	23	9	1978
* KENNEDY PT		64.0033	94.3083	11	8	1978	14	9	1978
* MOORE IS		63.5100	91.1400	12	8	1978	28	8	1978
* MOORING 02A		63.4233	90.7533	2	8	1978	31	8	1978
* MOORING 02B		63.4233	90.7600	31	8	1978	28	9	1978
* MOORING 05A		63.5083	90.9683	2	8	1978	31	8	1978
* MOORING 08A		63.6117	91.3233	4	8	1978	1	9	1978
* MOORING 10A		63.7000	91.6667	4	8	1978	2	9	1978
* MOORING 12A		63.7167	91.9150	3	9	1978	10	9	1978
* MOORING 13A		63.7200	92.1533	2	9	1978	30	9	1978
* MOORING 17A		63.8333	92.7333	3	9	1978	1	10	1978
* NORTON IS		63.9933	94.2133	11	9	1978	27	9	1978
* PEEL POINT	PEEL POINT	73.2667	115.1833	21	4	1977	11	5	1977
* PRIMROSE IS		63.9100	92.9900	9	9	1978	26	9	1978
* PROMISE PT		63.8000	92.4650	30	8	1978	10	9	1978
* QUBICH R		64.2000	93.7667	8	9	1978	11	9	1978
* SANDPIPER IS		63.4300	90.6617	10	8	1978	26	9	1978
* SEVERN HBR		63.5650	90.9467	9	8	1978	22	8	1978
* TG-301		75.0000	108.9000	21	8	1978	24	1	1979
* TG-366		75.0625	108.7625	17	3	1979	2	7	1979
* 01419	FOUR ISLANDS	56.0000	61.0000	1	8	1973	30	9	1973
* 01420	HOUSE HARBOUR	56.2333	61.0000	1	8	1973	31	8	1974
* 01430	NAIN (LABRADOR)	56.5475	61.6950	1	10	1963	30	4	1974
*				1	8	1975	31	12	1979
* 01472	EVANS BIGHT	60.2833	63.5167	1	8	1975	31	8	1975
* 01490	WILLIAMS HARBOUR	60.0000	64.2667	1	9	1952	30	9	1952
* 03740	NEWMAN BAY	81.9667	60.0000	1	4	1975	31	7	1975
* 03765	ALERT	82.5000	62.3167	1	8	1960	30	6	1966
*				1	8	1967	28	2	1977
* 03782	LINCOLN BAY	82.1167	62.0667	1	5	1971	30	6	1971
*				1	4	1975	31	5	1975
* 03785	WRANGEL BAY	82.0167	62.5333	1	7	1971	31	8	1971
* 03788	ST. PATRICK BAY	81.7833	64.1667	1	4	1975	30	6	1975
* 03800	CAPE DEFOSE	81.2333	65.7167	1	5	1975	30	6	1975
* 03840	PIM ISLAND	78.6667	74.1667	1	8	1962	30	9	1962
* 03910	POND INLET (ENTRANCE)	72.7500	76.0000	1	8	1948	30	9	1948
* 03920	NORTH ARM	72.0000	76.0000	1	8	1948	31	8	1948
* 03940	CLYDE	70.4667	68.5667	1	3	1972	30	6	1972


2.1 Pacific Stations
135°
130°
125°
55°
50°
Nass River
Dixon Entrance
9964
Graham I.
9850
QUEEN
CHARLOTTE
ISLANDS
Moresby I.
Hecate Strait
Chatham Sd.
9354
PRINCE RUPERT
Skeena R.
Banks I.
8976
Queen Charlotte
Sound
Queen Charlotte Str.
8408
8280
VANCOUVER
8074
ISLAND
8615
8575
7795
VANCOUVER
7735
7607
7654
Str. of Georgia
7590
7330
VICTORIA
7020
7120
Juan de Fuca Strait

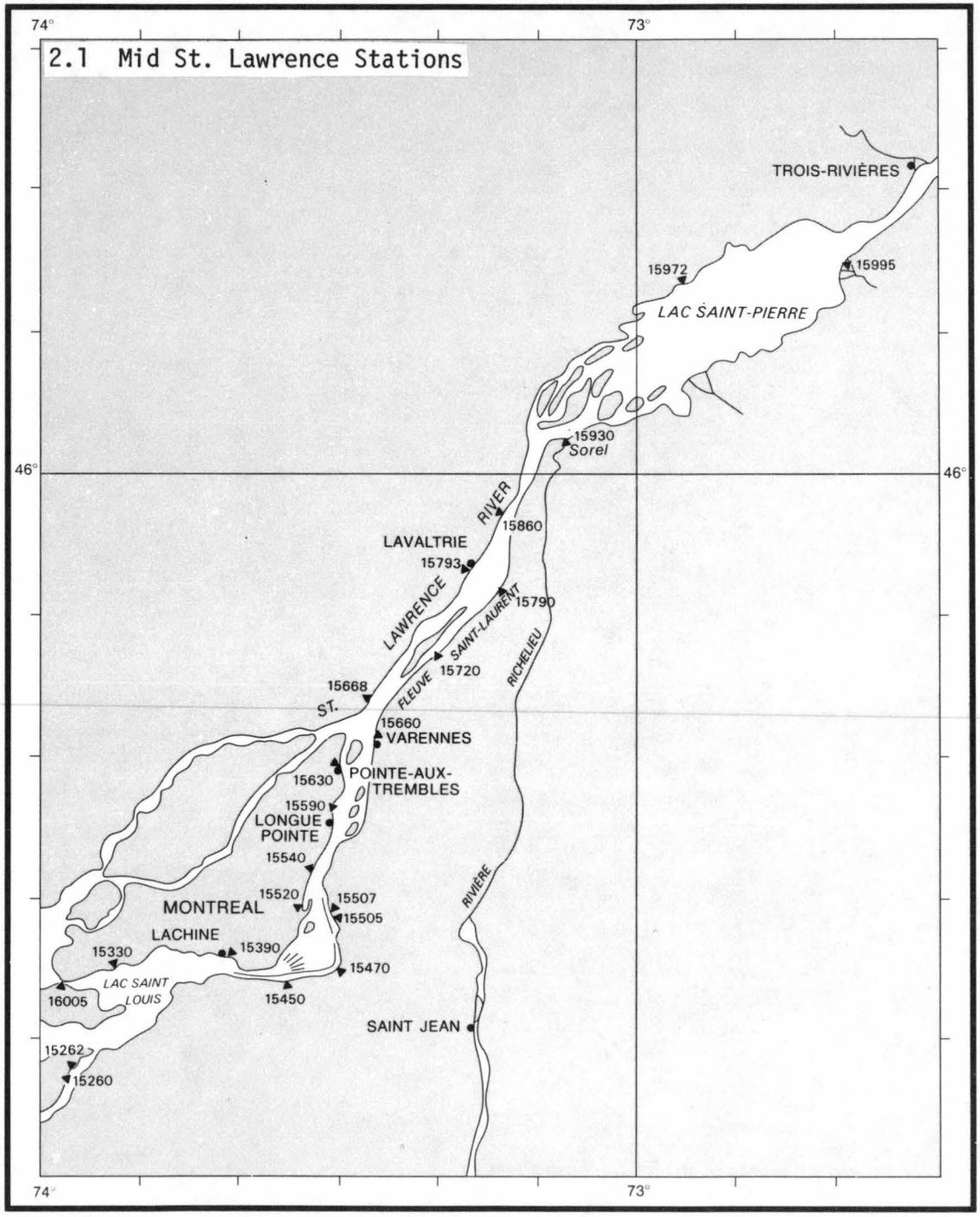
STATION NUMBER	STATION NAME	LATITUDE NORTH	LONGITUDE WEST	START DATE DD MM YYYY	END DATE DD MM YYYY
***					
* BURKE CHANNEL TIDAL SURVEY 1964	WHISKEY BAY	52.3633	126.8750	9 4 1964	27 4 1964
* BURKE CHANNEL TIDAL SURVEY 1964	CROYDEN BAY	52.2600	127.1583	30 4 1964	16 5 1964
* BURKE CHANNEL TIDAL SURVEY 1964	FOUGNER BAY	51.8983	127.8383	17 5 1964	31 5 1964
* TG 1		53.8683	128.7017	27 9 1977	9 12 1977
*				9 12 1977	9 3 1978
*				9 3 1978	10 6 1978
* TG 2		53.0233	129.1917	26 9 1977	7 12 1977
*				13 12 1977	8 3 1978
*				8 3 1978	8 6 1978
* TG 3		52.9183	128.4967	16 7 1977	25 9 1977
* TG 4		53.1733	129.5467	8 7 1977	26 9 1977
*				26 9 1977	10 12 1977
* TG 5		53.6800	129.7600	11 7 1977	29 9 1977
*				12 3 1978	9 6 1978
* TG 6		53.3833	129.2800	3 10 1977	6 12 1977
*				6 12 1977	7 3 1978
*				7 3 1978	9 6 1978
* TG 7		53.4833	128.1217	11 3 1978	10 6 1978
* TG 8		53.5833	128.8917	11 12 1977	11 3 1978
* 07010	POINT NO POINT	48.4000	123.9667	1 9 1932	30 11 1932
* 07020	SOOKE	48.3728	123.7297	1 5 1910	30 4 1911
*				1 3 1958	31 3 1959
*				1 12 1972	31 12 1979
* 07024	SOOKE BASIN	48.3833	123.6833	1 6 1977	31 1 1978
* 07030	BECHER BAY	48.3333	123.6333	1 4 1954	31 10 1954
*				1 9 1976	30 11 1976
* 07037	SEKIU	48.2667	124.3000	1 5 1973	31 5 1974
* 07050	CRESCENT BAY	48.1667	123.7167	1 5 1964	31 5 1964
* 07060	PORT ANGELES	48.1333	123.4333	1 2 1973	31 7 1973
* 07080	PEDDER BAY	48.3167	123.5333	1 4 1964	30 4 1964
*				1 12 1967	31 8 1969
*				1 6 1974	31 8 1974
* 07082	WILLIAM HEAD	48.3333	123.5333	1 4 1954	31 10 1954
* 07107	ESQUIMALT LAGOON	48.4333	123.4667	1 9 1972	31 10 1973
*				1 1 1976	31 12 1978
* 07110	ESQUIMALT HARBOUR	48.4333	123.4333	1 5 1915	31 12 1916
*				1 1 1918	31 3 1931
*				1 4 1972	31 10 1973
*				1 1 1976	31 12 1978
* 07115	CLOVER POINT	48.4000	123.3500	1 3 1967	31 10 1967
* 07120	VICTORIA	48.4297	123.3711	1 6 1899	31 12 1900
*				1 1 1903	31 12 1905
*				1 2 1909	31 12 1979
* 07124	CRAIGFLOWER BRIDGE	48.4500	123.4167	1 1 1969	31 8 1969
* 07125	PORTAGE INLET	48.4667	123.4000	1 4 1949	30 6 1949
*				1 1 1969	30 9 1969
* 07130	OAK BAY	48.4333	123.3000	1 7 1971	31 8 1971
* 07140	FINNERTY COVE	48.4667	123.2833	1 12 1967	31 8 1975
* 07160	PORT TOWNSEND (US-1650)	48.1333	122.7667	1 8 1971	30 11 1971
* 07180	SEATTLE (US-1814)	47.6000	122.3333	1 1 1970	31 12 1970
* 07182	MEADOWDALE	47.8500	122.3333	1 8 1971	30 11 1971
* 07193	CORNET BAY	48.3833	122.6333	1 8 1971	30 11 1971


2.1 Great Lakes Stations
92°
88°
84°
80°
76°
50°
46°
42°
Lake Nipigon
10220
THUNDER BAY
10050
10750
ISLE ROYALE
LAKE SUPERIOR
LAC SUPÉRIEUR
DULUTH
SAULT STE. MARIE
11010
10920
10980
11070
11195
RIVIÈRE DES OUTAOUAIS
OTTAWA RIVER
Lake Nipissing
Green Bay
LAC MICHIGAN
LAKE MICHIGAN
11690
Georgian Bay
11375
LAKE HURON
LAC HURON
Trent – Severn
MIDLAND
11500
16500
KINGSTON
Waterway
13988
TRENTON
13450
13590
13750
11860
TORONTO
13320
LAKE ONTARIO
LAC ONTARIO
HAMILTON
13150
13030
Welland Canal
11940
St Clair R.
12710
BUFFALO
12865
Lake St. Clair
11950
12400
DETROIT
11975
11985
11965
12250
11995
WINDSOR
12122
12005
12065
12120
CHICAGO
ERIE
ÉRIÉ
LAKE
LAC

STATION NUMBER	STATION NAME	LATITUDE NORTH	LONGITUDE WEST	START DATE DD MM YYYY	END DATE DD MM YYYY
***					
* 10050	THUNDER BAY	48.4158	89.2169	1 1 1907	31 12 1979
* 10220	ROSSPORT	48.8339	87.5211	1 1 1967	31 12 1979
* 10750	MICHIPICOTEN HARBOUR	47.9703	84.9006	1 1 1915	31 12 1979
* 10920	GROS CAP	46.5375	84.5869	1 1 1926	31 12 1929
*				1 1 1960	31 12 1979
* 10980	SAULT STE MARIE ABOVE/AMONT	46.5228	84.3758	1 1 1912	31 12 1979
* 10990	NORTH SOO DAM	46.5167	84.3667	1 1 1928	31 12 1931
* 10991	SOUTH SOO DAM	46.5000	84.3667	1 1 1928	31 12 1931
* 11010	SAULT STE MARIE BELOW/AVAL	46.5214	84.3519	1 1 1912	31 12 1979
* 11070	THESSALON	46.2550	83.5528	1 1 1926	31 12 1979
* 11195	LITTLE CURRENT	45.9911	81.9358	1 1 1959	31 12 1979
* 11250	KILLARNEY	45.9667	81.5167	1 4 1973	31 10 1973
* 11280	FRENCH RIVER	45.9500	80.9000	1 1 1905	31 10 1907
* 11290	BUSTARD ISLANDS (C4=1)	45.8833	80.9000	1 7 1962	31 8 1962
* 11295	KEY HARBOUR	45.8833	80.7167	1 10 1962	31 10 1962
* 11375	PARRY SOUND	45.3414	80.0375	1 4 1960	31 12 1979
* 11500	COLLINGWOOD	44.5075	80.2178	1 1 1906	31 12 1906
*				1 1 1957	31 12 1979
* 11690	TOBERMORY	45.2642	81.6764	1 5 1962	31 12 1979
* 11860	GODERICH	43.7542	81.7369	1 1 1910	31 12 1979
* 11940	POINT EDWARD	42.9958	82.4244	1 1 1927	31 1 1980
* 11950	PORT LAMBTON	42.6650	82.5114	1 1 1927	31 12 1979
* 11960	THAMES RIVER (MOUTH)	42.3167	82.4500	1 5 1973	31 7 1973
* 11965	BELLE RIVER	42.3056	82.7167	1 11 1960	31 12 1979
* 11975	TECUMSEH	42.3433	82.9278	1 1 1927	31 12 1979
* 11976	PEACH ISLAND	42.3333	82.9333	1 1 1911	31 12 1926
* 11985	LA SALLE	42.2472	83.1086	1 1 1925	31 12 1979
* 11987	FIGHTING ISLAND	42.2333	83.1000	1 1 1911	31 12 1925
* 11995	AMHERSTBURG	42.1517	83.1242	1 1 1960	31 12 1979
* 12005	BAR POINT	42.0500	83.1181	1 5 1966	31 12 1979
* 12065	KINGSVILLE	42.0333	82.7356	1 3 1962	31 12 1979
* 12120	PELEE POINT WEST/OUEST	41.9147	82.5172	1 4 1964	31 12 1979
* 12122	PELEE POINT EAST/EST	41.9147	82.5139	1 4 1964	29 2 1968
*				1 10 1972	31 12 1979
* 12250	ERIEAU	42.2672	81.9239	1 7 1957	31 12 1979
* 12400	PORT STANLEY	42.6647	81.2222	1 1 1908	31 12 1979
* 12710	PORT DOVER	42.7900	80.2028	1 1 1959	31 12 1979
* 12865	PORT COLBORNE	42.8789	79.2553	1 1 1911	31 12 1979
* 13030	PORT WELLER	43.2386	79.2219	1 1 1929	31 12 1931
*				1 1 1955	31 12 1979
* 13140	HAMILTON-STONEY CREEK	43.2500	79.7500	1 11 1960	31 5 1972
* 13149	HAMILTON CANAL	43.3000	79.8000	1 4 1972	31 10 1973
* 13150	BURLINGTON	43.3422	79.7711	1 1 1971	31 12 1979
* 13320	TORONTO	43.6439	79.3897	1 1 1906	31 12 1979
* 13322	TORONTO (BREAKWATER)	43.6333	79.3167	1 9 1969	31 12 1970
* 13450	OSHAWA	43.8758	78.8278	1 1 1972	30 4 1973
*				1 1 1975	31 7 1978
* 13590	COBOURG	43.9631	78.1747	1 7 1956	31 12 1979
* 13640	COLBORNE	43.9667	77.8667	1 4 1972	30 11 1972
* 13670	BRIGHTON	44.0167	77.7167	1 5 1908	30 11 1909
* 13750	POINT PETRE	43.8519	77.1622	1 1 1969	30 9 1978
* 13988	KINGSTON (PORTSMOUTH)	44.2181	76.5178	1 4 1909	31 1 1980


2.1 Upper St. Lawrence Stations
77°
76°
75°
74°
46°
45°
44°
BRYSON
PORTAGE DU FORT
OTTAWA RIVER
RIVIÈRE DES OUTAOUAIS
16105
HULL
OTTAWA
16125
Britannia
RIVER
RIDEAU
WATERWAY
L'ORIGNAL
16045
16033
CARILLON
16032
15140
15220
COTEAU
LANDING
15110
LANCASTER
LAC SAINT-FRACOIS
14940
CORNWALL
14870
14800
SMITHS
FALLS
Rideau Lake
IROQUOIS
14600
14602
PRESCOTT
14500
ST LAWRENCE RIVER
FLEUVE SAINT-LAURENT
Narrows Lock
Newboro
Lake
RIDEAU
R.
Cataraqui
Howe I.
KINGSTON
Amherst I.
Kingston Hr.
Wolfe
I.
L. ONTARIO

STATION NUMBER	STATION NAME	LATITUDE NORTH	LONGITUDE WEST	START DATE DD MM YYYY	END DATE DD MM YYYY
***					
* 14500	PRESCOTT	44.7111	75.5169	1 1 1919	30 9 1977
* 14505	OGDENSBURG	44.7047	75.5017	1 9 1977	31 12 1979
* 14530	JOHNSTOWN	44.7333	75.4667	1 10 1919	31 10 1919
* 14560	CARDINAL	44.7833	75.3833	1 12 1919	31 12 1919
* 14600	IROQUOIS ABOVE/AMONT	44.8258	75.3233	1 1 1959	31 12 1979
* 14602	IROQUOIS BELOW/AVAL	44.8389	75.3169	1 1 1959	31 12 1979
* 14660	MORRISBURG	44.9000	75.1833	1 1 1918	31 12 1920
* 14800	LONG SAULT	45.0314	74.9036	1 5 1962	30 9 1977
* 14805	LONG SAULT DAM	44.9944	74.8722	1 9 1977	31 12 1979
* 14860	POINT THREE POINT	45.0000	74.0000	1 1 1919	31 12 1920
* 14870	CORNWALL	45.0256	74.7178	1 1 1919	31 12 1979
* 14940	SUMMERSTOWN	45.0658	74.5558	1 1 1920	31 12 1979
* 15110	COTEAU-LANDING	45.2550	74.2189	1 1 1919	31 12 1979
* 15140	COTEAU-DU-LAC	45.3050	74.1667	1 1 1920	31 12 1979
* 15180	CEDARS	45.3000	74.0333	1 1 1920	31 12 1949
* 15200	POINT STE TIMOTHEE	45.3000	73.9833	1 1 1957	31 5 1961
* 15220	POINTE-DES-CASCADES	45.3367	73.9575	1 1 1919	31 12 1979
* 16005	SAINTE-ANNE-DE-BELLEVUE	45.4094	73.9617	1 1 1919	31 12 1919
*				1 1 1957	31 12 1979
* 16010	VAUDREUIL	45.4000	74.0167	1 10 1967	31 12 1968
* 16020	HUDSON	45.4667	74.1333	1 9 1969	31 10 1969
* 16032	CARILLON BELOW/AVAL	45.5686	74.3797	1 10 1963	31 12 1979
* 16033	CARILLON ABOVE/AMONT	45.5711	74.3833	1 7 1963	31 12 1979
* 16045	GRENVILLE	45.6403	74.6144	1 1 1933	31 12 1979
* 16105	HULL	45.4408	75.7114	1 7 1964	31 12 1979
* 16110	RIDEAU LOCKS	45.3667	75.7000	1 1 1966	31 12 1967
* 16125	OTTAWA (BRITANNIA)	45.3747	75.8081	1 4 1960	31 12 1979
* 99999	RICHARDS LANDING	45.0000	74.0000	1 1 1922	31 12 1922


2.1 Mid St. Lawrence Stations
74°
73°
46°
TROIS-RIVIÈRES
15972
15995
LAC SAINT-PIERRE
15930
Sorel
RIVER
15860
LAVALTRIE
15793
LAWRENCE
SAINT-LAURENT
15790
RICHELIEU
15720
FLEUVE
15668
ST.
15660
VARENNES
POINTE-AUX-TREMBLES
15630
15590
LONGUE POINTE
15540
15520
15507
15505
MONTREAL
LACHINE
15330
15390
15470
LAC SAINT LOUIS
16005
15450
RIVIÈRE
SAINT JEAN
15262
15260

STATION NUMBER	STATION NAME	LATITUDE NORTH	LONGITUDE WEST	START DATE DD	MM	YYYY	END DATE DD	MM	YYYY
***									
* 03306	RICHELIEU	45.4500	73.2500	1	5	1915	30	11	1918
* 15250	ISLETS PERCES	46.1167	72.9500	1	8	1935	30	11	1936
* 15260	BEAUHARNOIS ABOVE/AMONT	45.3106	73.9394	1	11	1961	31	12	1979
* 15262	BEAUHARNOIS BELOW/AVAL	45.3228	73.9267	1	5	1959	31	12	1979
* 15330	POINTE-CLAIRE	45.4364	73.8247	1	1	1915	31	12	1979
* 15390	LACHINE	45.4408	73.6736	1	1	1919	31	12	1979
* 15400	MERCIER BRIDGE	45.4167	73.6500	1	1	1954	31	12	1963
* 15410	OLD AQUEDUCT	45.4167	73.6167	1	1	1932	31	12	1956
*				1	1	1961	31	12	1961
*				1	1	1965	31	12	1966
* 15450	COTE-STE-CATHERINE ABOVE/AMONT	45.4139	73.5800	1	12	1959	31	12	1979
* 15470	LA PRAIRIE	45.4747	73.5247	1	11	1967	31	12	1979
* 15493	VERDUN	45.4500	73.6500	1	1	1915	31	12	1918
* 15497	CHAMPLAIN BRIDGE	45.4667	73.5167	1	5	1963	31	12	1969
* 15505	SAINT-LAMBERT ABOVE/AMONT	45.4869	73.5253	1	5	1960	31	12	1979
* 15507	SAINT-LAMBERT BELOW/AVAL	45.5064	73.5239	1	1	1959	31	12	1979
* 15519	LACHINE CANAL LOCK 1	45.5000	73.5500	1	1	1929	31	12	1929
* 15520	MONTREAL (JETTY/JETEE NO 1)	45.5078	73.5519	1	5	1913	30	4	1915
*				1	4	1917	31	12	1979
* 15540	MONTREAL (STREET/RUE FRONTENAC)	45.5364	73.5486	1	1	1935	31	12	1979
* 15555	LAURIER PIER	45.5500	73.5333	1	8	1916	31	8	1916
* 15590	LONGUE POINTE	45.5833	73.5000	1	1	1912	30	6	1966
* 15630	POINTE AUX TREMBLES	45.6428	73.4961	1	8	1935	31	8	1935
*				1	6	1961	31	12	1979
* 15660	VARENNES	45.6853	73.4508	1	1	1913	31	12	1914
*				1	1	1918	31	12	1919
*				1	1	1921	31	12	1926
*				1	1	1928	31	12	1931
*				1	1	1933	31	12	1945
*				1	1	1947	31	10	1959
*				1	4	1961	30	11	1979
* 15668	REPENTIGNY	45.7478	73.4389	1	1	1934	31	12	1950
*				1	5	1961	31	3	1976
* 15720	VERCHERES	45.7872	73.3625	1	1	1913	31	12	1953
*				1	5	1955	31	12	1979
* 15790	CONTRECOEUR	45.8636	73.2450	1	11	1961	29	2	1976
*				1	9	1977	31	12	1979
* 15793	LAVALTRIE	45.8833	73.2781	1	5	1961	31	3	1976
*				1	9	1977	31	12	1979
* 15860	LANORAIE	45.9653	73.2247	1	1	1913	29	2	1976
* 15930	SOREL	46.0558	73.1267	1	1	1912	31	12	1979
* 15970	LAKE ST.PETER	46.1833	72.9000	1	1	1914	31	12	1958
*				1	8	1961	31	12	1962
* 15972	LOUISEVILLE	46.2247	72.9306	1	1	1918	31	12	1918
*				1	8	1935	31	8	1935
*				1	9	1961	31	5	1975
* 15975	LAKE/LAC SAINT-PIERRE	46.2019	72.9047	1	9	1978	31	12	1979
* 15990	NICOLET	46.2333	72.6167	1	1	1916	31	12	1918
* 15995	PORT-SAINT-FRANCOIS	46.2764	72.6211	1	5	1961	29	2	1976

2.2 Wave stations

This section of the pilot catalog reports on instrumented wave data. MEDS has been collecting, processing, archiving, and distributing wave data since 1969. During this time a recording system, a digitizing system, a system of computer programs, and a number of data products have been developed to suit the particular requirements of the study. The purpose has grown from one of obtaining data in direct support of specific engineering projects such as port design and providing general coverage of large areas of coastline, to environmental studies conducted in conjunction with off-shore oil exploration. The study has also provided ground-truth observations for airborne and satellite wave studies, and more recently, design parameters for wave hindcasting and forecasting models.

The CAMDI database reflects the historical data processed by MEDS as well as wave data collected and archived by others. The table lists all of the occurrences within the database with the MEDS data having a numeric identification and the other data having an alphabetic identification. The table headings are mostly self-explanatory. The dates are the start and stop times for which data is available and are not mooring dates. The codes used are:

TYPE:	WR	WAVERIDER
	PC	PRESSURE CELL
	ST	STAFF GAUGE
SUCCESS:	G	>80% usable records
	A	50-80% usable records
	P	<50% usable records
ANALYSIS:	U	unprocessed
	D	digitized to magnetic tape
	S	spectral analysis

A series of 6 maps is included which cross-reference the station identification number with its position. Some station positions however are not plotted because they fall outside the boundaries of these maps. These outliers are:

STN ID.	NAME	LATITUDE	LONGITUDE
02	GUYANA	07-24-28 N	58-18-00 W
70	GRAND BEACH	50-38-55 N	96-38-30 W
71	GIMLI	50-38-55 N	96-54-00 W
86	BARROW POINT	74-37-00 N	92-20-00 W
89	HAY RIVER	60-57-24 N	115-42-00 W
100	O.W.S. PAPA	50-00-00 N	145-00-00 W

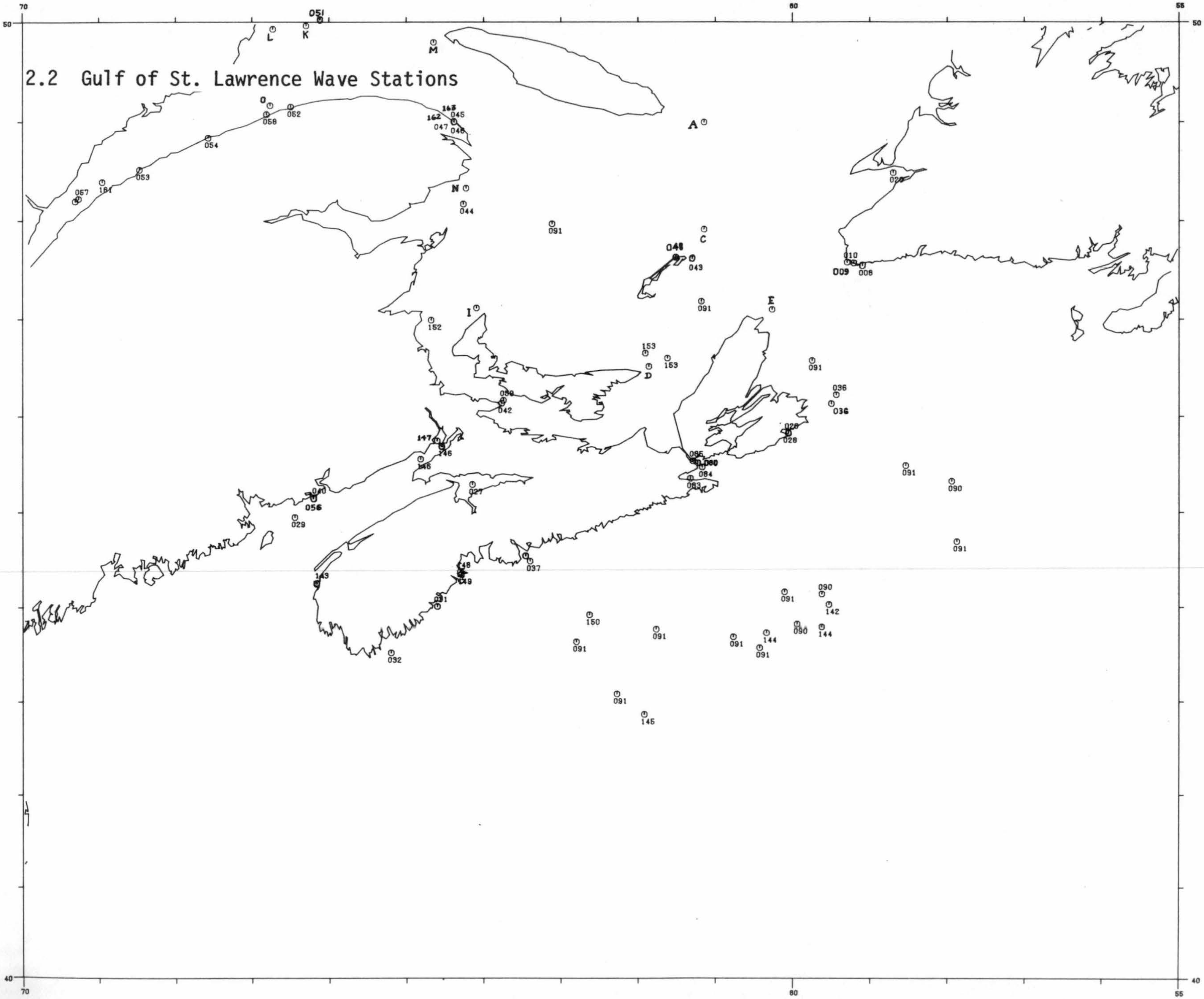
Because of the ongoing nature of the Wave Climate Study, the database is updated on a regular basis and one must contact MEDS directly to acquire the most recent summary of wave data available at a given time.

CANADIAN MARINE DATA INVENTORY REPORT

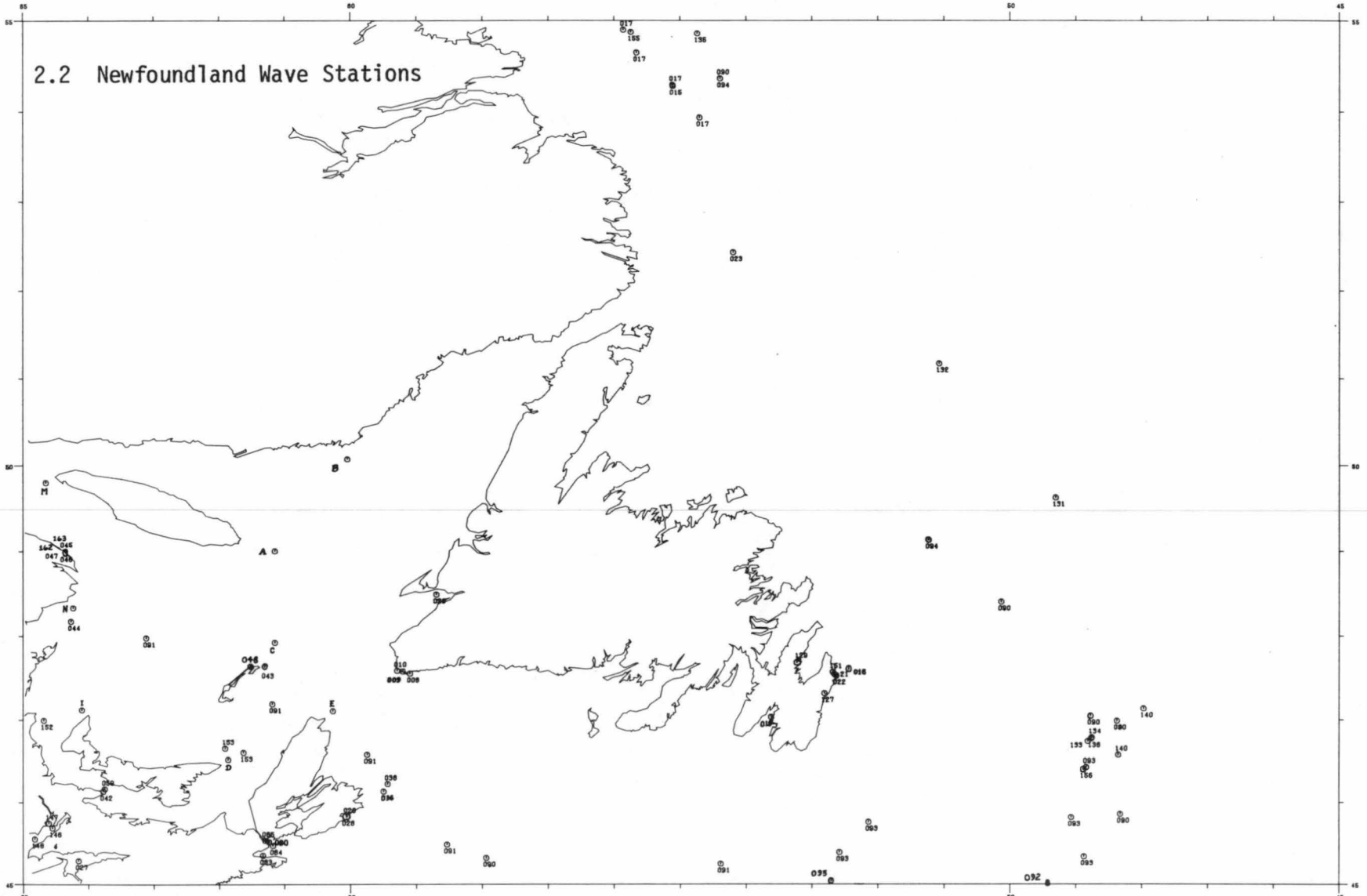
D. HISTORICAL WAVE MEASURING STATIONS

IDENTIFICATION		LOCATION			DATES		INSTRUMENT		
ID.	NAME	IHB ZONE	LATITUDE DD-MM-SS	LONGITUDE DDD-MM-SS	DEPTH METRES	START DD/MM/YY	STOP DD/MM/YY	SUCCESS TYPE	ANALYSIS	
A	HEATH POINT, ANTICOSTI IS.	2000	49-00-00N	061-09-00W	N/A	18/06/67	24/11/67	WR	A	S
B	CAPE WHITTLE	2000	50-04-09N	060-03-03W	N/A	17/06/67	29/11/67	WR	A	S
C	BIRD ROCKS, M.I.	2000	47-55-05N	061-09-00W	N/A	27/06/67	11/12/67	WR	G	S
D	EAST POINT, P.E.I.	2000	46-31-04N	061-52-02W	N/A	23/06/67	08/12/67	WR	G	S
E	CAPE NORTH	2000	47-06-09N	060-16-04W	N/A	24/06/67	27/11/67	WR	A	S
F	BAIE DU PORE	2950	44-23-05N	081-38-00W	N/A	25/07/68	01/11/68	WR	A	S
G	COBOURG	2000	43-54-14N	078-07-20W	N/A	29/07/73	07/11/73	WR	-	S
G	"	2000	43-54-14N	078-07-20W	N/A	26/07/74	17/11/74	WR	-	S
H	PRESQU'ILE POINT	2000	43-53-04N	077-44-03W	N/A	14/08/69	28/10/69	WR	-	S
H	"	2000	43-53-04N	077-44-03W	N/A	16/07/70	22/11/70	WR	-	S
H	"	2000	43-53-04N	077-44-03W	N/A	08/07/71	12/11/71	WR	-	S
I	NORTH POINT, P.E.I.	2000	47-07-07N	064-06-00W	N/A	20/06/67	09/12/67	WR	A	S
J	BATTLE ISLAND	2950	48-41-06N	087-33-00W	N/A	30/06/65	28/10/65	WR	P	S
J	"	2950	48-41-06N	087-33-00W	N/A	08/06/66	04/12/66	WR	A	S
K	SEPT ISLES	2000	49-58-00N	066-18-05W	N/A	14/06/67	23/11/67	WR	A	S
L	PORT CARTIER	2000	49-56-00N	066-44-02W	N/A	18/06/66	04/12/66	WR	A	S
M	WEST POINT ANTICOSTI IS.	2000	49-48-07N	064-39-03W	N/A	01/09/66	30/11/66	WR	A	S
M	"	2000	49-48-07N	064-39-03W	N/A	15/06/67	06/12/67	WR	A	S
N	CAP D'ESPOIR	2000	48-20-07N	064-14-00W	N/A	16/06/66	08/12/66	WR	A	S
N	"	2000	48-20-07N	064-14-00W	N/A	19/06/67	12/12/67	WR	A	S
O	CAP CHAT	2000	49-10-03N	066-46-05W	N/A	17/06/66	01/12/66	WR	A	S
O	"	2000	49-10-03N	066-46-05W	N/A	13/06/67	06/12/67	WR	A	S
P	GRAND MARAIS	2950	46-45-09N	086-02-04W	N/A	18/07/65	26/11/65	WR	P	S
P	"	2950	46-45-09N	086-02-04W	N/A	26/05/66	26/11/66	WR	A	S
Q	EAGLE HARBOUR	2950	47-33-01N	088-09-05W	N/A	21/07/65	12/11/65	WR	P	S
Q	"	2950	47-33-01N	088-09-05W	N/A	19/05/66	04/12/66	WR	A	S
R	NORTH SUPERIOR	2950	47-40-09N	090-17-09W	N/A	11/11/65	29/11/65	WR	G	S
R	"	2950	47-40-09N	090-17-09W	N/A	21/05/66	27/10/66	WR	A	S
002	GUYANA	1850	07-24-28N	058-18-00W	N/A	22/02/74	19/03/74	WR	G	S
003	TUKTOYAKTUK	2800	69-53-48N	135-57-12W	21	26/08/74	30/08/74	WR	A	S
003	"	2800	69-53-48N	135-57-12W	21	08/08/75	06/09/75	WR	A	S
004	VICTORIA HARBOUR	3600	48-25-25N	123-23-16W	5	10/03/76	24/03/77	WR	G	S
008	PORT AUX BASQUES	2000	47-33-00N	059-06-00W	44	05/12/74	07/02/75	WR	A	S
009	GRAND BAY (INNER)	2000	47-34-36N	059-12-36W	14	05/10/74	17/12/74	WR	G	S
010	GRAND BAY (OUTER)	2000	47-35-00N	059-17-40W	91	27/04/74	17/12/74	WR	G	S
015	M V TYPHOON	2100	54-17-00N	055-07-00W	30	21/07/71	02/09/71	WR	G	S
016	LOGY BAY	2100	47-38-18N	052-28-18W	168	31/07/72	14/12/72	WR	G	S
016	"	2100	47-38-12N	052-27-48W	168	22/06/73	20/01/74	WR	G	S
016	"	2100	47-38-12N	052-27-48W	168	25/06/74	22/01/75	WR	G	S
016	"	2100	47-38-12N	052-27-48W	168	06/06/75	13/01/76	WR	G	S
016	"	2100	47-36-06N	052-26-40W	167	17/06/76	31/01/77	WR	G	S
016	"	2100	47-36-06N	052-26-40W	167	08/06/77	09/01/78	WR	G	S
016	"	2100	47-37-00N	052-25-27W	166	16/06/79	13/02/80	WR	A	S
016	"	2100	47-37-00N	052-25-27W	166	18/05/80	31/12/80	WR	G	S
017	PELICAN (LEIF M-48)	2100	54-17-46N	055-07-20W	165	31/07/73	29/08/73	WR	G	S

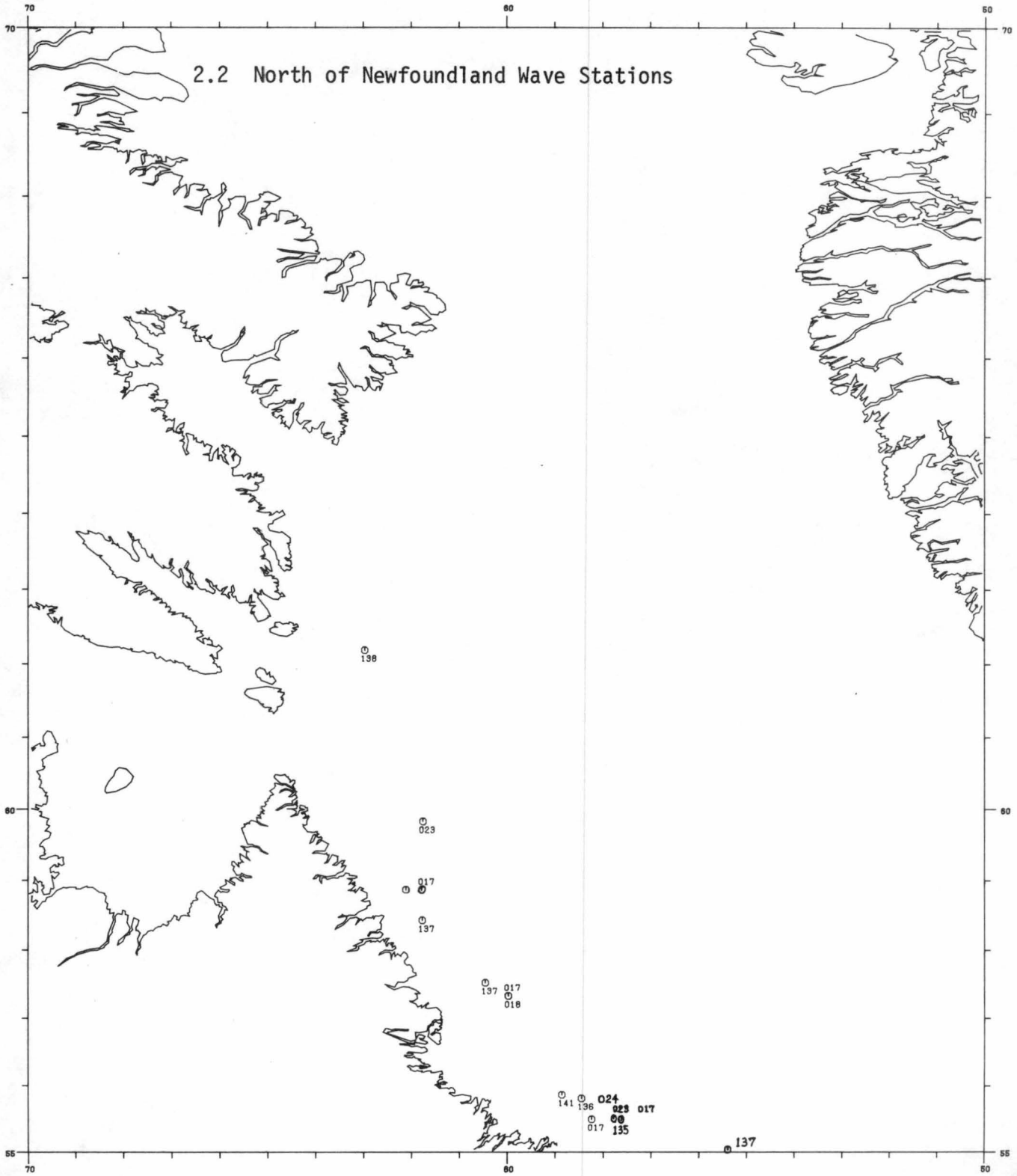
2.2 Gulf of St. Lawrence Wave Stations



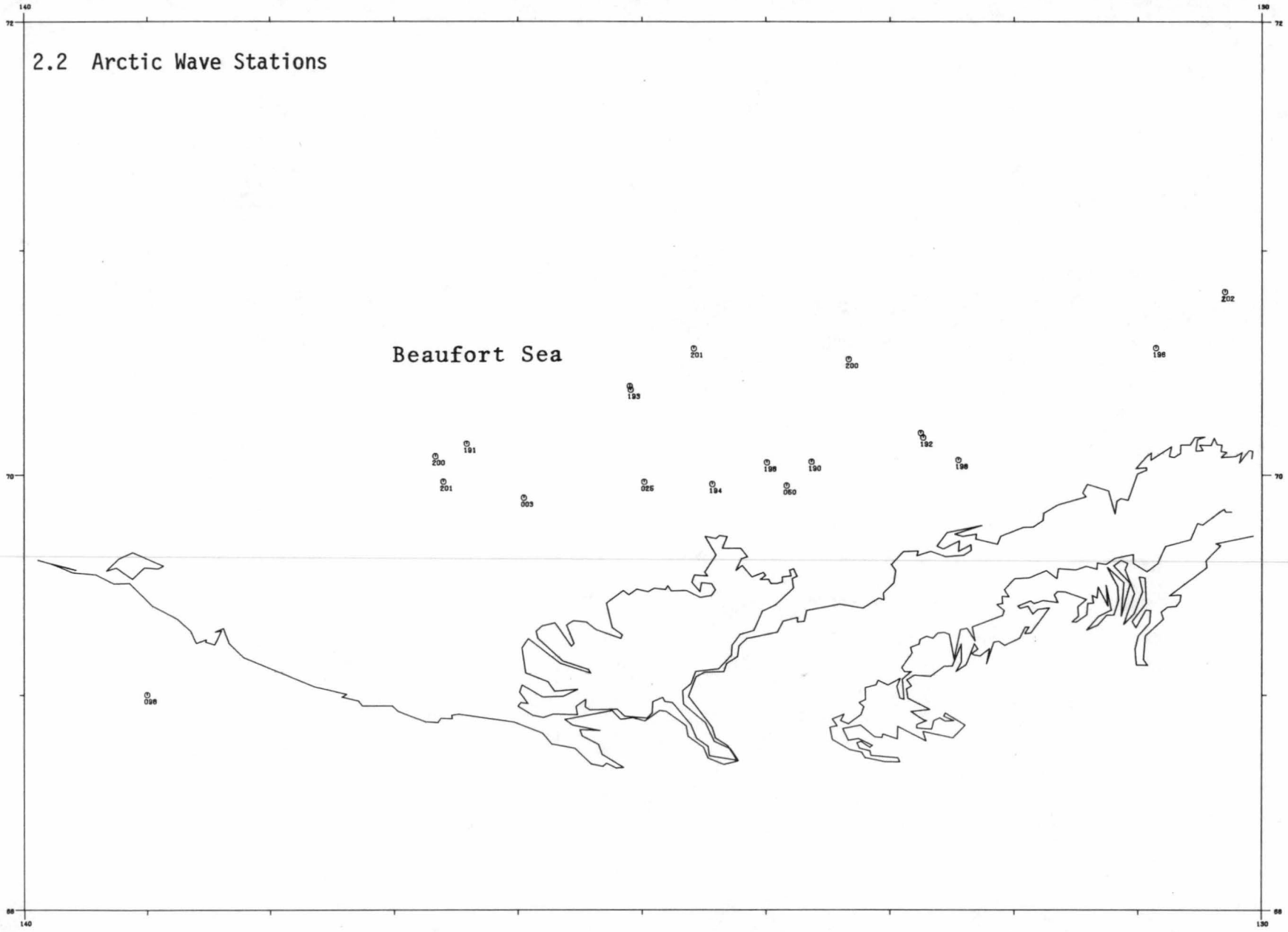
2.2 Newfoundland Wave Stations

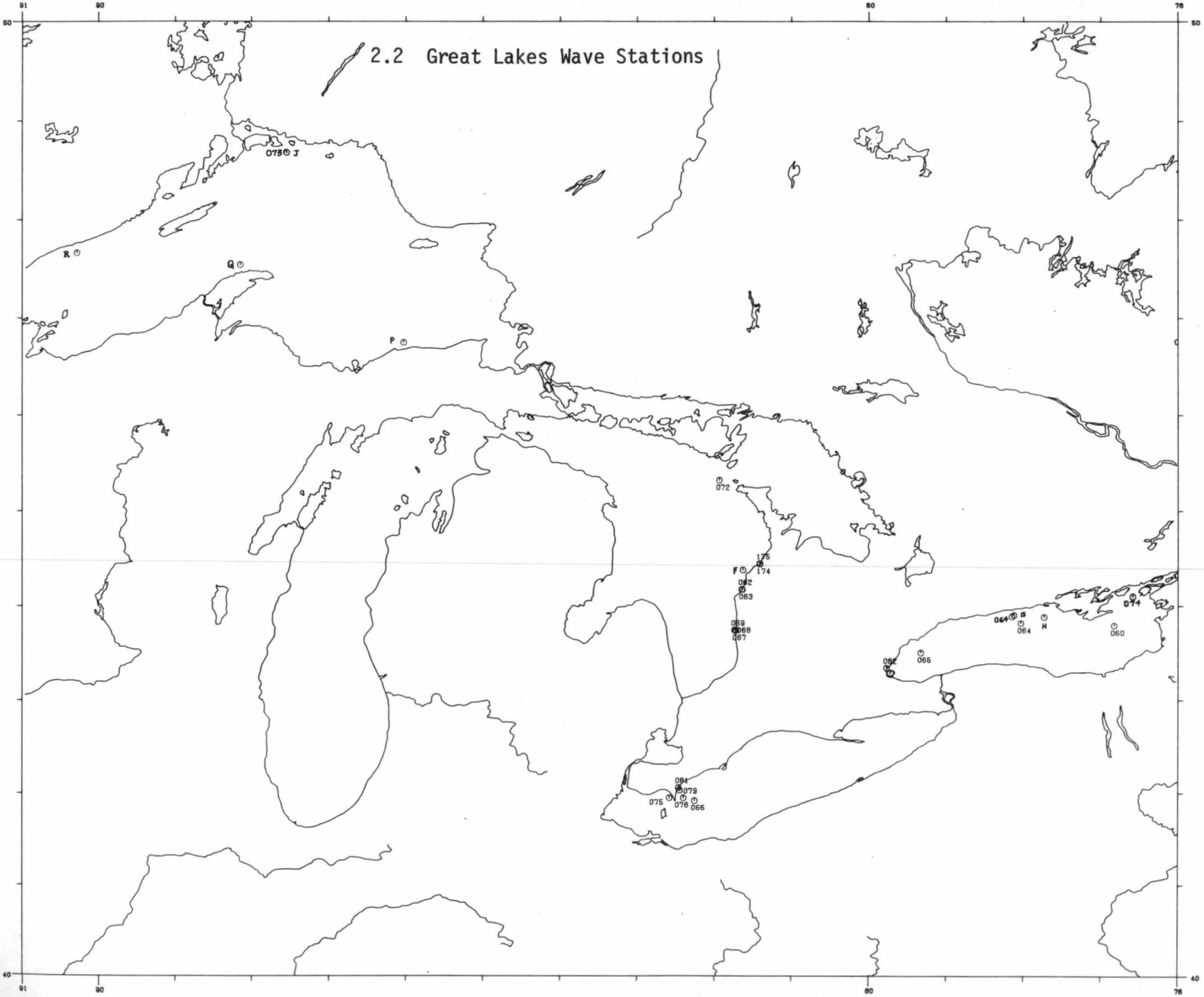


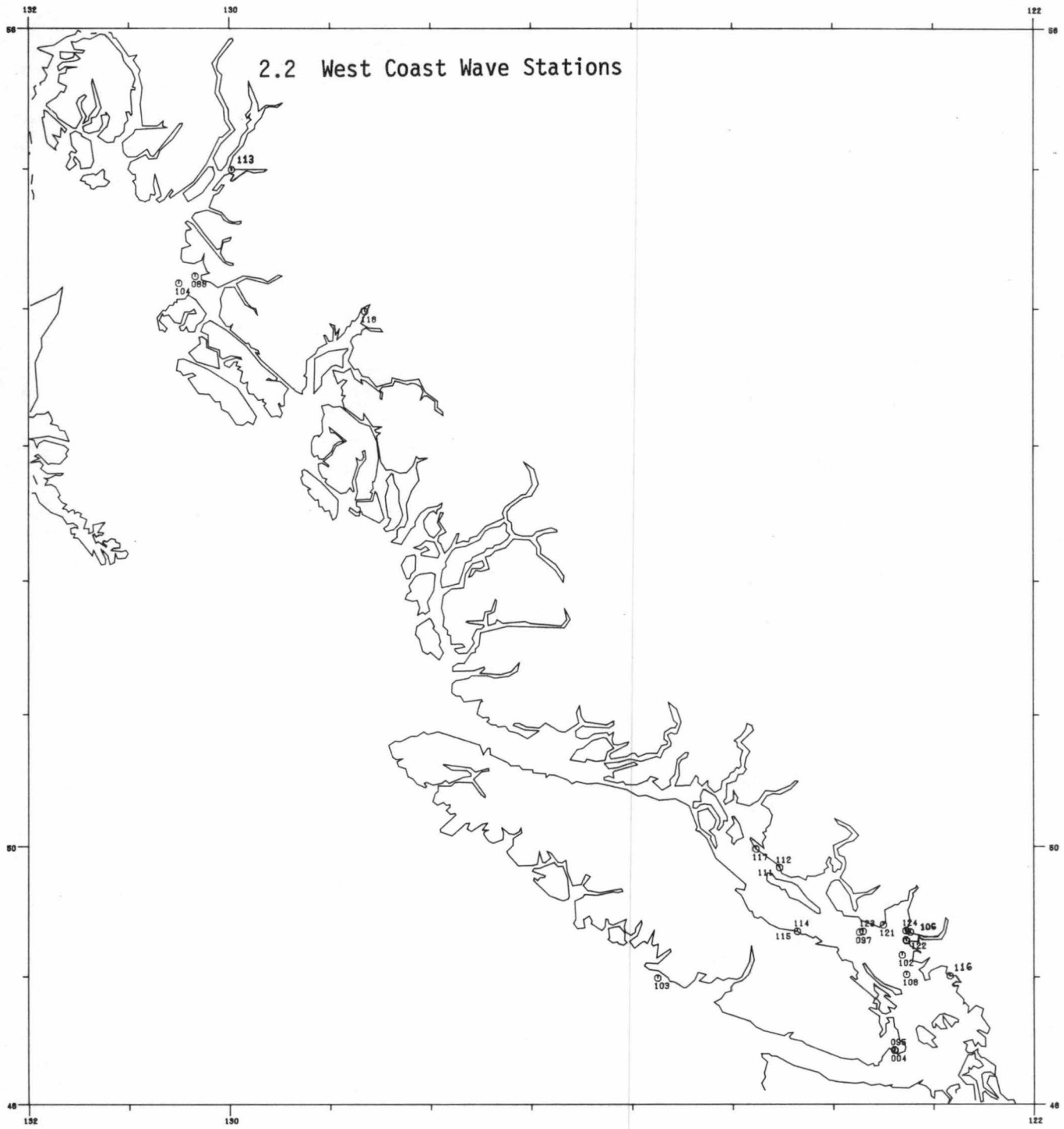
2.2 North of Newfoundland Wave Stations



2.2 Arctic Wave Stations




2.2 Great Lakes Wave Stations
91
90
80
76
50
40
075
J
R
Q
P
072
176
174
F
062
063
069
068
067
064
H
060
074
065
082
084
079
075
076
066


2.2 West Coast Wave Stations
132
130
122
56
50
48
113
088
104
118
117
112
111
114
115
123
121
097
124
106
122
102
108
116
103
095
004

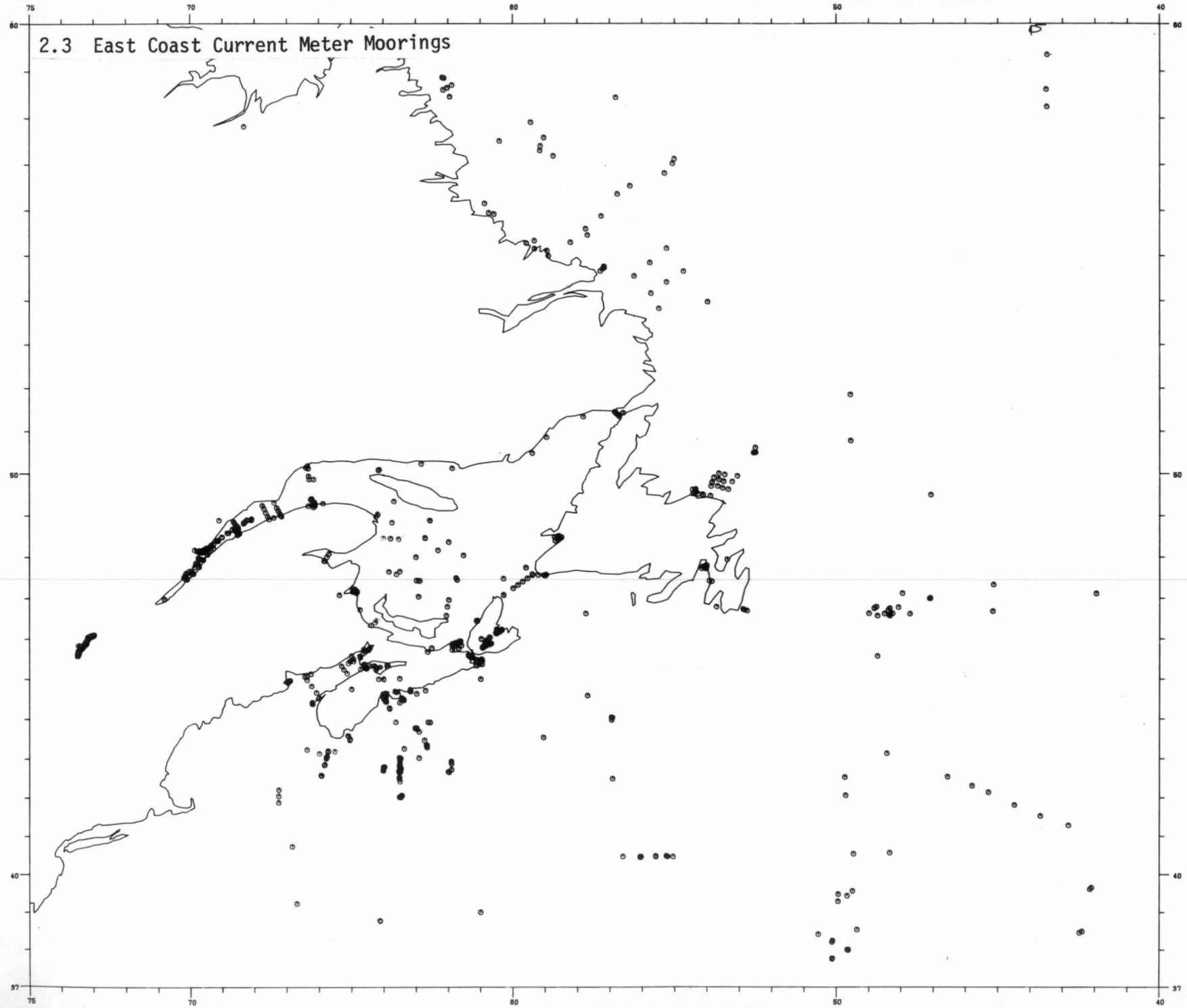
2.3 Current meter moorings

This index of current meter moorings in the pilot catalog has been created completely from the information contained in the CAMDI pilot database. It attempts to offer inventory information about all instruments moored by OSS institutes.

The information provided in the table is as follows:

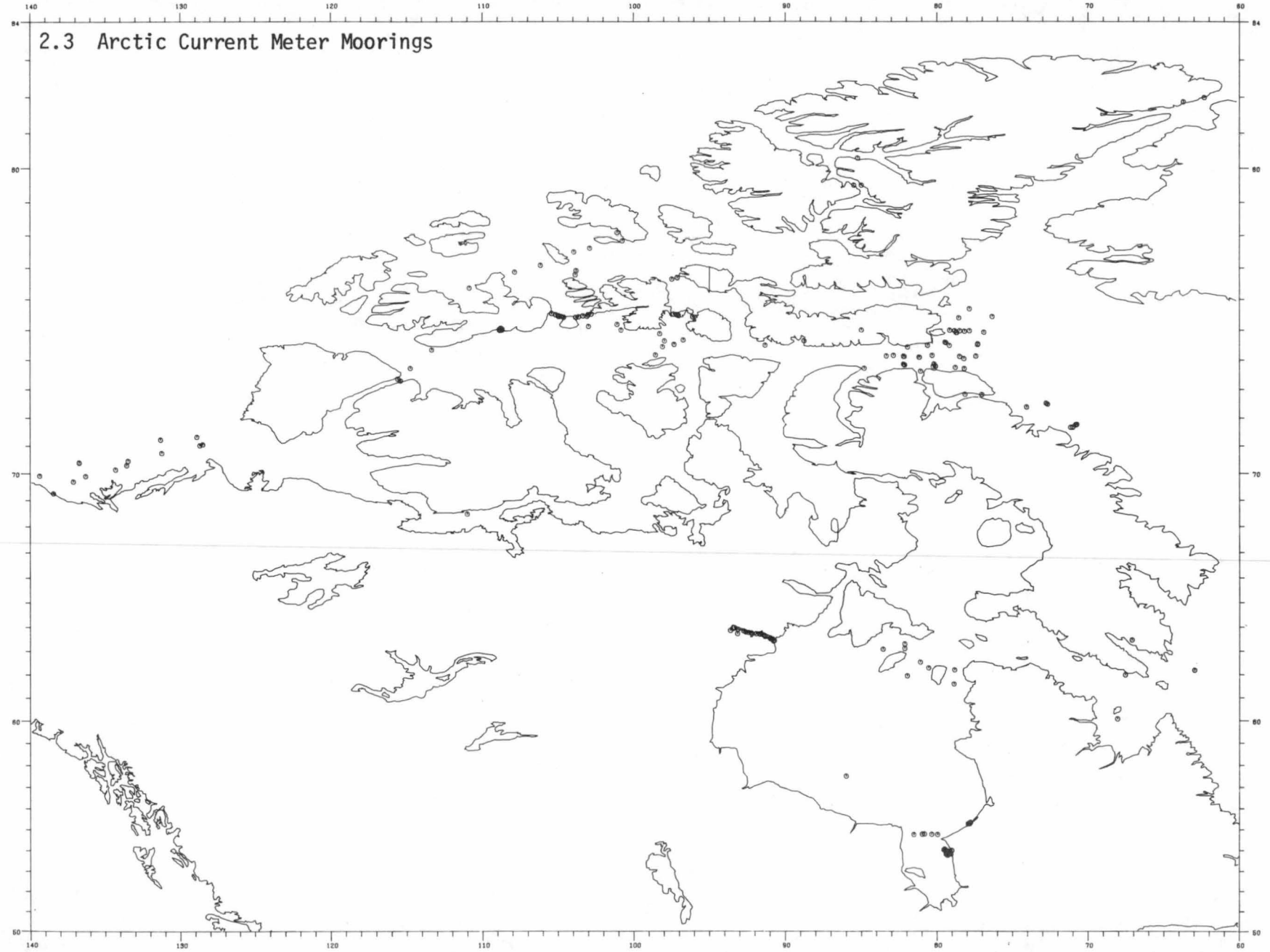
1)	mooring number:	the originator mooring number or identification;
2)	latitude north:	latitude north in decimal degrees;
3)	longitude west:	longitude west in decimal degrees;
4)	mooring date:	date (DD/MM/YYYY) the mooring was first installed;
5)	sounding:	depth of water in meters;
6)	total instrument:	number of current meters installed on the mooring;
7)	level:	depth of each instrument;
8)	start date DD/MM/YYYY:	start date of recording of each current meter installed on the mooring;
9)	end date DD/MM/YYYY:	end date of recording of each current meter installed on the mooring; and
10)	sampling frequency:	time interval in minutes in between recorded data points.

The moorings have been sorted by ascending mooring date and by increasing longitude-latitude. Each line reports one current meter within a given mooring. The maps divide the Canadian region into East Coast, Arctic and West Coast. The position of each mooring is plotted to show qualitatively the general areal distribution of moorings. To cross-reference the table, use the latitude/longitude coordinates of the moorings.


2.3 East Coast Current Meter Moorings
75
70
60
50
40
60
50
40
37

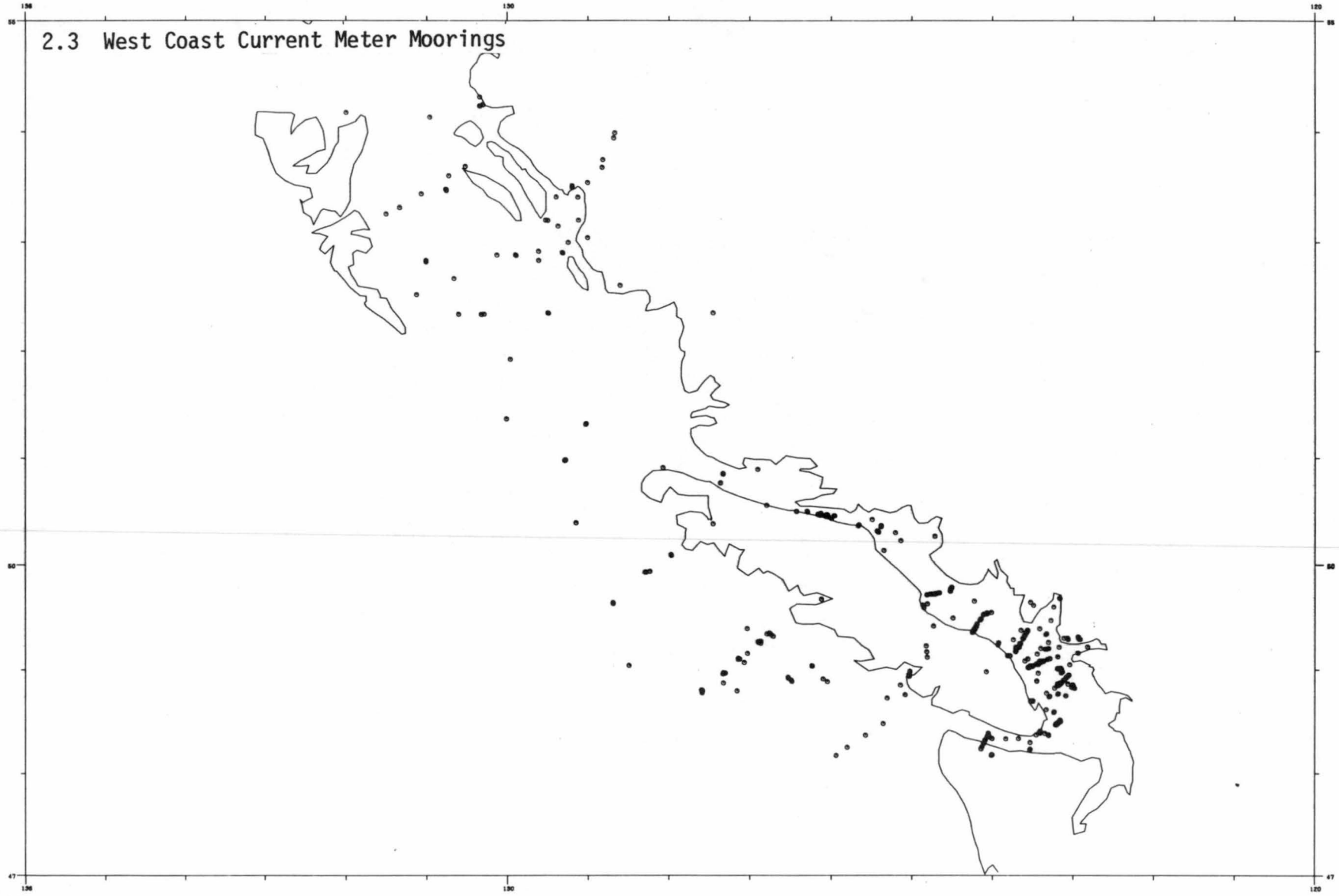
MOORING IDENTIFICATION	LATITUDE NORTH	LONGITUDE WEST	MOORING DATE DD MM YYYY	SOUNDING	TOTAL INSTR	LEVEL	START DATE DD MM YYYY	END DATE DD MM YYYY	FREQ
***									
* 78035 - 312	37.7611	50.1331	4 12 1978			1000	4 12 1978	13 9 1979	60
*						1500	4 12 1978	27 2 1979	60
*						1500	4 12 1978	13 9 1979	60
*						4000	4 12 1978	13 9 1979	60
* 77036 - 237	37.7769	50.1211	10 12 1977	5237		4000	10 12 1977	7 5 1978	30
*						4762	10 12 1977	7 5 1978	30
* 77010 - 201	37.7781	50.1250	14 5 1977	5237		4000	14 5 1977	14 5 1977	30
*						4762	14 5 1977	17 6 1977	30
** BIO CRUISE #77010 MOORED	37.7789	50.1256	14 5 1977	5237	2	4000	14 5 1977	9 12 1977	300
*						4762	14 5 1977	9 12 1977	300
* 78011 - 271	37.9981	49.6389	8 5 1978	5212		4000	8 5 1978	2 12 1978	40
*						4762	8 5 1978	2 12 1978	40
* 78035 - 313	38.0000	49.6331	4 12 1978			1045	4 12 1978	14 9 1979	60
*						1244	4 12 1978	14 9 1979	60
*						1543	4 12 1978	2 9 1979	60
*						4090	4 12 1978	14 9 1979	60
* 77036 - 236	38.0050	49.6319	7 12 1977	5219		4000	7 12 1977	4 5 1978	30
*						4764	7 12 1977	14 3 1978	30
* 77010 - 202	38.0069	49.6311	14 5 1977	5219		4000	14 5 1977	26 5 1977	30
*						4750	14 5 1977	19 7 1977	30
* BIO CRUISE #77010 MOORED	38.0069	49.6650	14 5 1977	5219	2	4000	14 5 1977	9 12 1977	300
*						4750	14 5 1977	9 12 1977	300
* 77036 - 238	38.2081	50.1361	10 12 1977	5233		4000	10 12 1977	5 5 1978	30
*						4762	10 12 1977	5 5 1978	30
* 78011 - 270	38.2500	50.1189	10 5 1978	5230		4000	10 5 1978	30 11 1978	40
*						4762	10 5 1978	30 11 1978	40
* 77010 - 200	38.4189	50.5611	13 5 1977	5233		4762	13 5 1977	23 5 1977	30
* 79025 - 347	38.4561	42.4750	26 9 1979	5000		500	26 9 1979	30 4 1980	60
*						1500	26 9 1979	30 4 1980	60
*						4000	26 9 1979	30 4 1980	60
* BIO CRUISE #80012	38.4911	42.3900	3 4 1980	4929	4	501	3 4 1980	10 9 1980	300
*						801	3 4 1980	10 9 1980	300
*						1500	3 4 1980	10 9 1980	300
*						4000	3 4 1980	10 9 1980	300
* 70023 - 004	38.5389	49.3631	22 6 1970	5227		4984	22 6 1970	29 6 1970	20
*						5084	22 6 1970	29 6 1970	20
*	38.7856	64.1169	21 5 1962		6	100	21 5 1962	24 5 1962	200
*						200	21 5 1962	24 5 1962	200
*						300	21 5 1962	24 5 1962	200
*						500	21 5 1962	24 5 1962	200
*						750	21 5 1962	24 5 1962	200
*						1000	21 5 1962	24 5 1962	200
*	39.0000	61.0000	27 9 1961		1	50	27 9 1961	29 9 1961	100
*	39.2347	66.6853	12 8 1960		5	25	12 8 1960	15 8 1960	200
*						50	12 8 1960	18 8 1960	200
*						100	12 8 1960	18 8 1960	200
*						300	12 8 1960	13 8 1960	200
*						500	12 8 1960	18 8 1960	200
* 71016 - 006	39.2931	49.9511	5 5 1971	5229		4979	5 5 1971	17 6 1971	30
* 71016 - 004	39.4381	49.6711	4 5 1971	5230		3880	4 5 1971	18 6 1971	30
*						3980	4 5 1971	5 6 1971	30
*						4980	4 5 1971	11 6 1971	30

2.3 Arctic Current Meter Moorings



MOORING IDENTIFICATION	LATITUDE NORTH	LONGITUDE WEST	MOORING DATE DD MM YYYY	SOUNDING	TOTAL INSTR	LEVEL	START DATE DD MM YYYY	END DATE DD MM YYYY	FREQ
***									
* MOORING 2A	53.7725	79.2917	29 1 1980	23	3	10	29 1 1980	9 2 1980	
*						3	1 2 1980	9 2 1980	
*						6	1 2 1980	9 2 1980	
* MOORING 1A	53.7842	79.2383	1 2 1980	16	3	3	1 2 1980	27 3 1980	
*						6	1 2 1980	28 3 1980	
*						10	1 2 1980	28 3 1980	
* 2-A	53.8217	79.3867	24 1 1979	33	3	3	24 1 1979	28 1 1979	
*						6	24 1 1979	28 1 1979	
*						10	24 1 1979	28 1 1979	
*	53.8294	79.1528	5 2 1976	13	2	2	5 2 1976	17 3 1976	
*						10	5 2 1976	17 3 1976	
* MOORING 4A	53.8367	79.0583	30 1 1980	7	2	3	30 1 1980	30 3 1980	
*						4	30 1 1980	30 3 1980	
*	53.8394	79.1439	16 2 1976	18	2	2	16 2 1976	1 4 1976	
*						15	16 2 1976	1 4 1976	
*	53.8511	79.1917	8 2 1976	19	3	5	8 2 1976	29 3 1976	
*						14	8 2 1976	29 3 1976	
*						15	8 2 1976	29 3 1976	
* MOORING 5A	53.8511	79.3169	29 1 1980	38	4	3	29 1 1980	1 3 1980	
*						4	29 1 1980	1 3 1980	
*						6	29 1 1980	1 3 1980	
*						10	29 1 1980	1 3 1980	
*	53.8644	79.1778	13 2 1976	20	2	2	13 2 1976	30 3 1976	
*						15	13 2 1976	30 3 1976	
* 1-A	53.8667	79.1833	23 1 1979	49	3	3	23 1 1979	26 2 1979	
*						6	23 1 1979	26 2 1979	
*						10	23 1 1979	26 2 1979	
* MOORING 25B	53.8672	79.2678	1 3 1980	32	3	3	1 3 1980	31 3 1980	
*						10	1 3 1980	31 3 1980	
*						6	2 3 1980	31 3 1980	
* MOORING 25O	53.8717	79.2217	5 2 1980	43	3	3	5 2 1980	30 3 1980	
*						6	5 2 1980	30 3 1980	
*						10	5 2 1980	30 3 1980	
* MOORING 35B	53.9200	79.3917	15 2 1980	23	5	2	15 2 1980	24 3 1980	
*						3	15 2 1980	24 3 1980	
*						5	15 2 1980	24 3 1980	
*						10	15 2 1980	24 3 1980	
*						15	15 2 1980	24 3 1980	
* MOORING 34B	53.9658	79.2800	5 2 1980	20	5	5	5 2 1980	27 3 1980	
*						10	12 2 1980	27 3 1980	
*						15	12 2 1980	27 3 1980	
*						2	15 2 1980	27 3 1980	
*						3	15 2 1980	27 3 1980	
*	54.0000	79.0000			1		24 1 1980	10 4 1980	600
*	54.0000	79.0000			1		24 1 1980	10 4 1980	
* 3-A	54.0250	79.5333	26 1 1979	20	3	6	25 1 1979	28 1 1979	
*						10	25 1 1979	28 1 1979	
*						3	26 1 1979	28 1 1979	
* MOORING 23B	54.0547	79.4767	5 2 1980	19	5	2	5 2 1980	25 3 1980	
*						3	5 2 1980	25 3 1980	
*						5	15 2 1980	25 3 1980	
*						10	15 2 1980	25 3 1980	

2.3 West Coast Current Meter Moorings



MOORING IDENTIFICATION	LATITUDE NORTH	LONGITUDE WEST	MOORING DD	MM	YYYY	SOUNDING	TOTAL INSTR	LEVEL	START DD	MM	YYYY	END DD	MM	YYYY	FREQ
***															
* CZ4	48.1717	125.9417					4	50	20	5	1979	31	12	1980	300
*								100	20	5	1979	31	12	1980	300
*								250	20	5	1979	31	12	1980	300
*								500	20	5	1979	31	12	1980	300
* STATION 136	48.1733	124.0133	27	5	1975	40	2	20	27	5	1975	15	7	1975	
* STATION 133	48.1789	124.0033	27	5	1975	120	2	20	27	5	1975	14	7	1975	150
*								120	27	5	1975	14	7	1975	150
* STATION 135	48.1814	124.0086	27	5	1975	120	2	20	27	5	1975	14	7	1975	40
*								120	27	5	1975	14	7	1975	150
* 001	48.2283	123.5367					1	18	24	11	1971	21	12	1971	100
* 001	48.2317	123.5300					8	18	22	12	1971	17	1	1972	100
*								18	8	2	1972	6	3	1972	100
*								18	6	3	1972	27	3	1972	100
*								18	27	3	1972	28	4	1972	100
*								18	28	4	1972	19	5	1972	100
*								18	19	5	1972	7	7	1972	100
*								18	7	7	1972	14	8	1972	100
*								18	14	8	1972	2	10	1972	100
*								18	2	10	1972	20	10	1972	100
*								18	22	10	1972	27	10	1972	100
*								18	30	10	1972	16	11	1972	100
*								18	27	11	1972	19	1	1973	100
*								18	19	1	1973	3	3	1973	100
*								18	7	3	1973	17	4	1973	100
*								18	18	4	1973	28	8	1973	150
*								18	20	11	1973	17	12	1973	150
*								18	17	12	1973	21	12	1973	150
*								18	14	3	1974	27	3	1974	150
* 001	48.2333	123.5333					2	25	11	1	1978	10	4	1978	150
*								15	17	3	1978	1	4	1978	80
* 116	48.2367	124.1433					1	15	6	3	1973	17	4	1973	150
*								15	17	4	1973	14	6	1973	150
* CZ3	48.2500	125.8033	20	5	1979	210	3	50	20	5	1979	31	12	1980	300
*								100	20	5	1979	31	12	1980	300
*								205	20	5	1979	31	12	1980	300
* 115	48.2567	124.1300					5	15	6	3	1973	24	3	1973	100
*								100	6	3	1973	10	4	1973	100
*								15	17	4	1973	15	6	1973	100
*								50	17	4	1973	14	6	1973	150
*								100	17	4	1973	5	5	1973	100
*								100	13	5	1973	31	5	1973	100
*								50	15	6	1973	23	9	1973	150
*								100	15	6	1973	31	8	1973	150
* 114	48.2883	124.1100					5	50	6	3	1973	12	3	1973	100
*								100	6	3	1973	7	4	1973	100
*								150	6	3	1973	10	3	1973	100
*								15	7	3	1973	21	3	1973	100
*								188	16	4	1973	2	5	1973	100
*								100	17	4	1973	14	6	1973	100
* 002	48.2983	123.5317					1	5	16	9	1980	11	11	1980	150
* 113	48.3200	124.0900					4	15	5	3	1973	19	4	1973	100
*								50	6	3	1973	14	4	1973	100

2.4 Shore based seawater sampling stations

The inventory information presented in this sub-section of the pilot catalog has been divided into West Coast and East Coast listings including the associated station location charts. Note some of the names on the charts are abbreviated; the full names are printed in the tables.

More detailed information relating to each station may be found in Section 5, Research and Other Datasets, under the Category "Physical Oceanography" and Phenomenon "Descriptive Studies".

West Coast daily observations of sea-surface temperature and/or salinity have been made at 39 locations along the coast of British Columbia for varying lengths of time since the early 1930's. At present, such data are being collected at 19 locations (mostly MOT light stations) ranging from Race Rocks, Juan de Fuca Strait in the south, to Langara Island, Dixon Entrance in the north.

Normally, each daily observation is made within one hour before the occurrence of the daytime high tide. Temperatures are measured by means of a mercury-in-glass thermometer. Salinity observations recorded are either derived from specific gravity measurements made by means of a hydrometer or by sample analysis using an inductive salinometer.

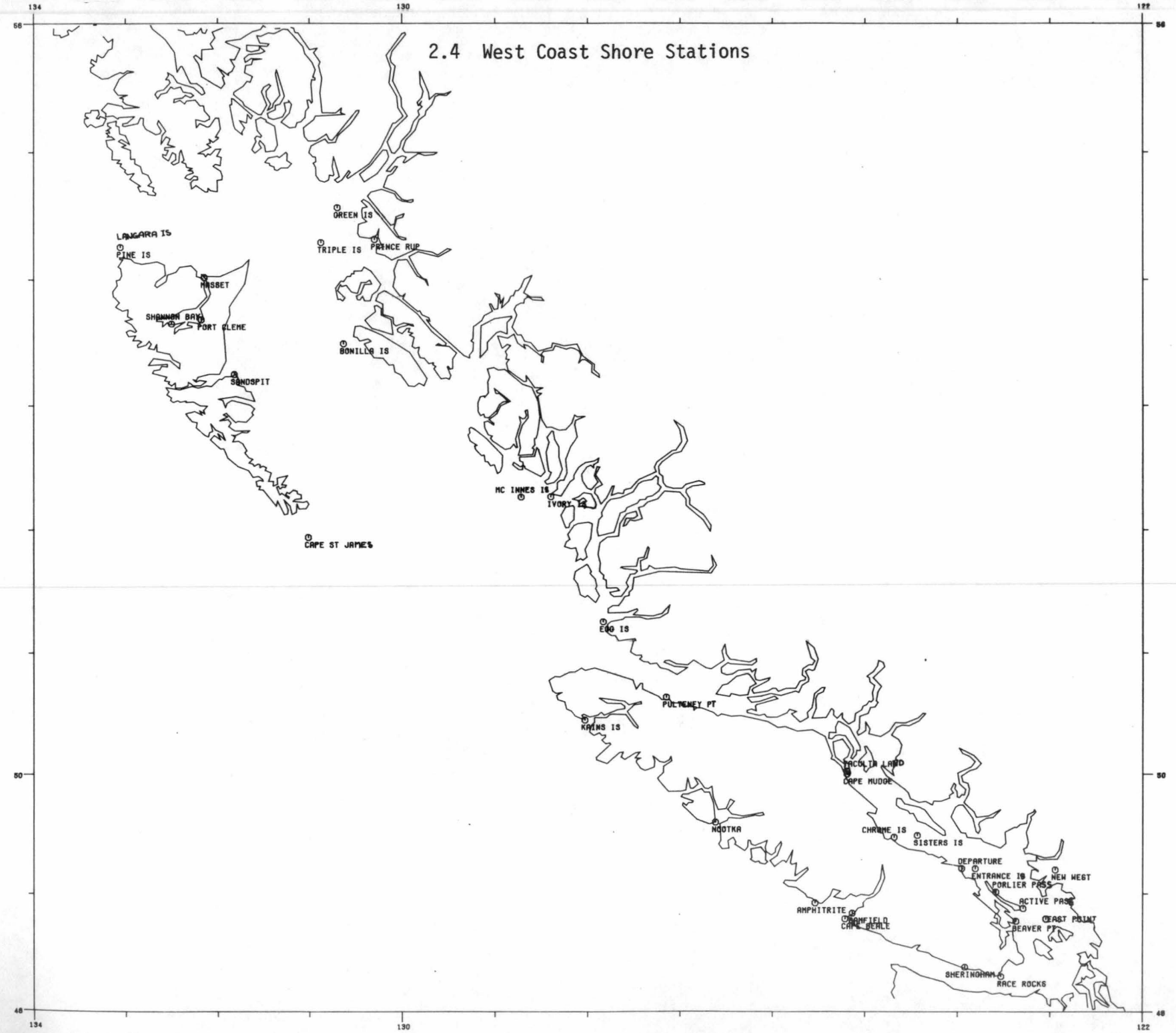
The data (daily tabulations, monthly and annual means, and annual graphs of 7-day normally weighted means) are published yearly in the Pacific Marine Science Report Series. The program is the responsibility of the Ocean Physics Division, Institute of Ocean Sciences, Patricia Bay.

Note that sea surface temperatures and salinities were measured at all stations except for the following:

Cape St. James	1971 - 1978	SST only
New Westminster		SST only
Sheringham Point	1970 - 1978	SST only

(SST = sea surface temperature)

2.4 West Coast Shore Stations



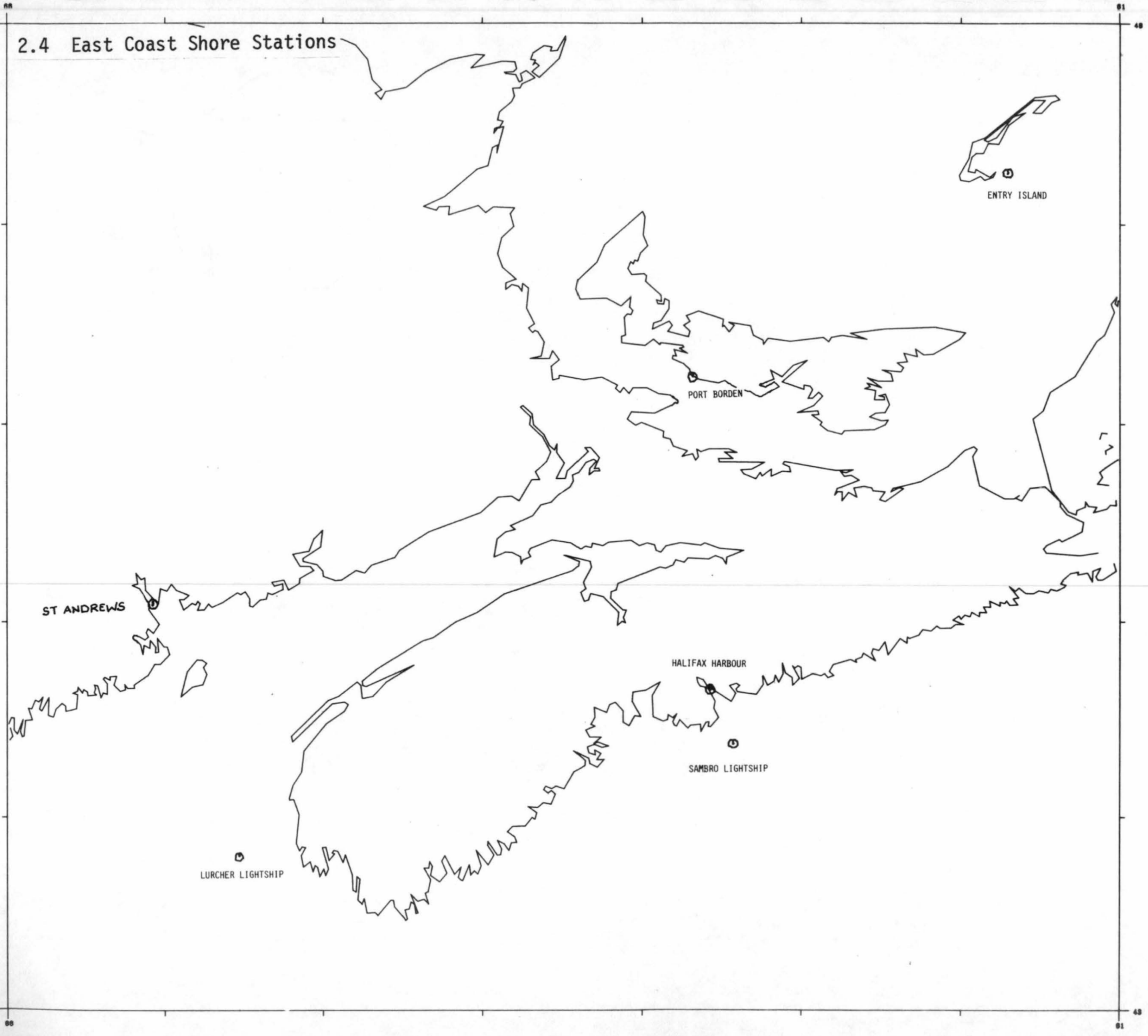
	STATION NAME	LATITUDE NORTH	LONGITUDE WEST	FREQ. OF OBSERVATION	START DATE DD MM YYYY	END DATE DD MM YYYY
***						
*	ACTIVE PASS	48.8739	123.2897	1 PER DAY	1 1 1974	31 12 1978
*	ACTIVE PASS HIGH WATER	48.8739	123.2897	1 PER DAY	1 2 1967	31 12 1973
*	ACTIVE PASS LOW WATER	48.8739	123.2897	1 PER DAY	1 2 1967	28 2 1970
*	AMPHITRITE POINT	48.9211	125.5381	1 PER DAY	1 8 1934	31 12 1978
*	BAMFIELD	48.8347	125.1353	1 PER DAY	1 7 1969	31 12 1978
*	BEAVER POINT	48.7667	123.3667	1 PER DAY	1 1 1954	31 12 1957
*	BONILLA ISLAND	53.4942	130.6344	1 PER DAY	1 4 1960	31 12 1978
*	CAPE BEALE	48.7867	125.2147	1 PER DAY	1 1 1971	31 12 1978
*	CAPE MUDGE	49.9989	125.1939	1 PER DAY	1 11 1936	31 12 1978
*	CAPE ST JAMES	51.9383	131.0139	1 PER DAY	1 7 1934	31 5 1971
*	CAPE ST JAMES	51.9383	131.0139	1 PER DAY	1 6 1971	31 12 1978
*	CHROME ISLAND	49.4722	124.6825	1 PER DAY	1 4 1961	31 12 1978
*	DEPARTURE BAY	49.2106	123.9547	1 PER DAY	1 9 1914	31 12 1978
*	EAST POINT	48.7839	123.0450	1 PER DAY	1 7 1953	31 12 1966
*	EAST POINT 2	48.7847	123.0433	1 PER DAY	1 1 1967	31 3 1967
*	EAST POINT 3	48.7858	123.0444	1 PER DAY	1 4 1967	30 9 1967
*	EAST POINT 4	48.7844	123.0450	1 PER DAY	1 10 1967	31 3 1968
*	EGG ISLAND	51.2517	127.8314	1 PER DAY	1 3 1970	31 12 1978
*	ENTRANCE ISLAND	49.2094	123.8075	1 PER DAY	1 5 1936	31 12 1978
*	GREEN ISLAND	54.5667	130.7000	1 PER DAY	1 2 1935	30 9 1936
*	IVORY ISLAND	52.2667	128.4000	1 PER DAY	1 7 1937	31 12 1955
*	KAINS ISLAND	50.4442	128.0297	1 PER DAY	1 1 1935	31 12 1978
*	LANGARA ISLAND	54.2553	133.0583	1 PER DAY	1 10 1936	31 12 1978
*	MASSET	54.0167	132.1500	1 PER DAY	1 1 1940	30 10 1942
*	MC INNES ISLAND	52.2633	128.7194	1 PER DAY	1 7 1954	31 12 1978
*	NEW WESTMINSTER	49.1983	122.9428	1 PER DAY	1 1 1963	30 11 1968
*	NOOTKA	49.6000	126.6167	1 PER DAY	1 8 1934	30 6 1953
*	PINE ISLAND	54.2553	133.0583	1 PER DAY	1 1 1937	31 12 1978
*	PORLIER PASS HIGH WATER	49.0133	123.5847	1 PER DAY	1 2 1967	29 2 1972
*	PORLIER PASS LOW WATER	49.0133	123.5847	1 PER DAY	1 2 1967	31 12 1971
*	PORT CLEMENTS	53.6833	132.1833	1 PER DAY	1 10 1941	31 8 1942
*	PRINCE RUPERT	54.3167	130.3000	1 PER DAY	1 1 1940	30 6 1942
*	PULTENEY POINT	50.6333	127.1500	1 PER DAY	1 8 1954	31 12 1957
*	RACE ROCKS	48.2992	123.5300	1 PER DAY	1 5 1941	31 12 1978
*	SANDSPIT	53.2500	131.8167	1 PER DAY	1 8 1953	31 12 1956
*	SHANNON BAY	53.6500	132.5000	1 PER DAY	1 1 1940	31 8 1941
*	SHERINGHAM POINT	48.3778	123.9194	1 PER DAY	1 4 1968	31 3 1970
*	SHERINGHAM POINT	48.3778	123.9194	1 PER DAY	1 4 1970	31 12 1978
*	SISTERS ISLAND	49.4869	124.4333	1 PER DAY	1 5 1968	31 12 1978
*	TRIPLE ISLAND	54.2933	130.8778	1 PER DAY	1 11 1939	31 12 1970
*	YACULTA LANDING	50.0233	125.1967	1 PER DAY	1 10 1950	30 9 1951

East Coast daily observations of sea-surface temperatures, and in some cases temperature profiles, have also been made at a number of different points along the Canadian Atlantic coast and in the Gulf of St. Lawrence beginning as early as 1930 and extending to the present.

Sea-surface temperatures were measured with a mercury-in-glass thermometer and the temperature profiles were taken with a bathythermograph.

The program is administered by the St. Andrews Biological Station.

In addition to sea-surface temperature measurements, temperature profiles were also taken at Sambro and Lurcher Lightships.

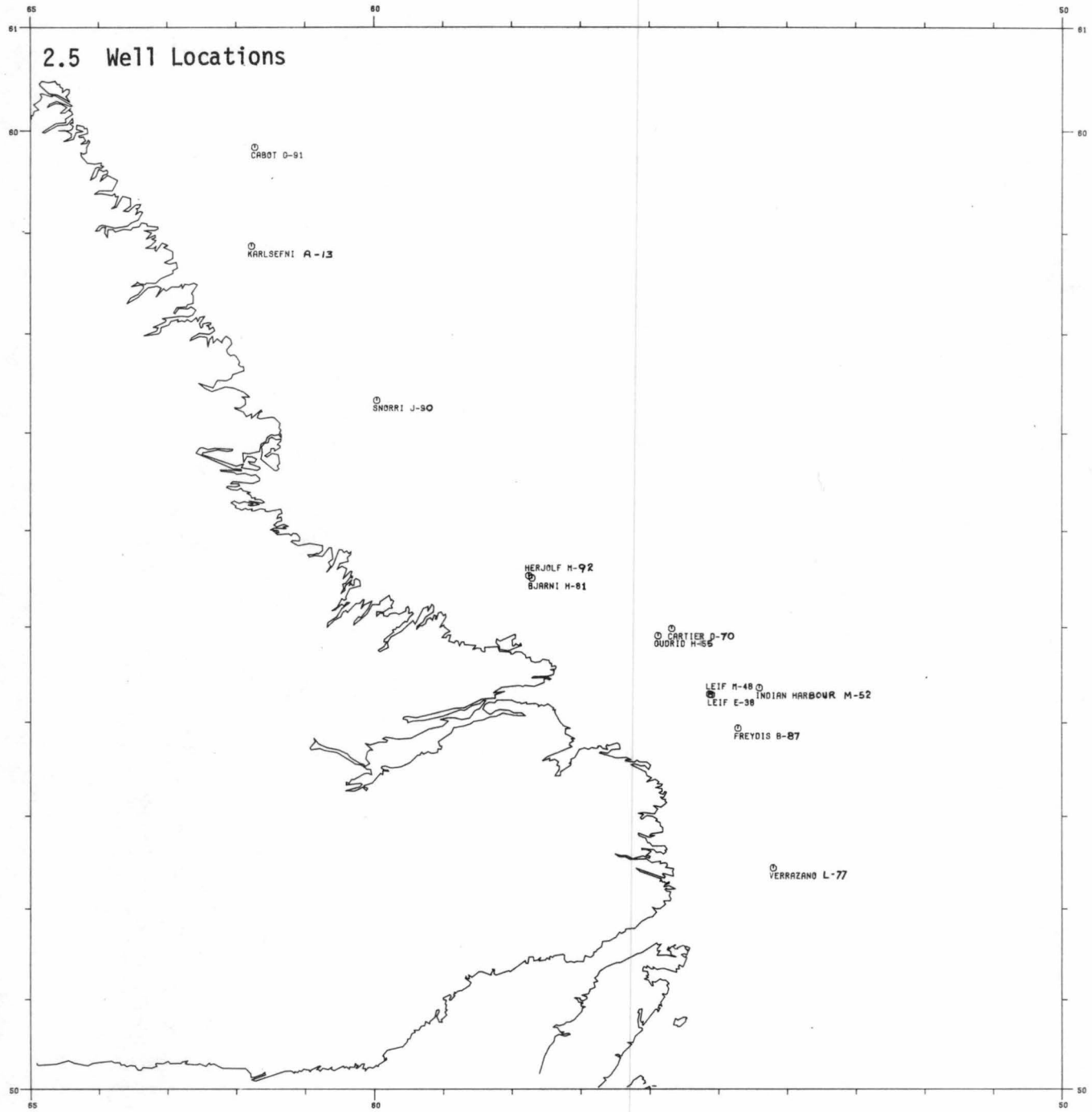

2.4 East Coast Shore Stations
ENTRY ISLAND
PORT BORDEN
ST ANDREWS
HALIFAX HARBOUR
SAMBRO LIGHTSHIP
LURCHER LIGHTSHIP

	STATION NAME	LATITUDE NORTH	LONGITUDE WEST	FREQ. OF OBSERVATION	START DATE DD MM YYYY	END DATE DD MM YYYY
***						
*	ENTRY ISLAND	47.2667	61.7000	2 PER DAY	1 6 1930	31 10 1979
*	HALIFAX HARBOUR	44.6500	63.5667	2 PER DAY	1 1 1926	31 10 1979
*	LURCHER LIGHTSHIP	43.8000	66.5333	2 PER DAY	7 9 1935	30 9 1969
*	PORT BORDEN, P.E.I.	46.2500	63.6667	2 PER DAY	23 5 1951	31 10 1979
*	ST ANDREWS	45.0833	67.0833	2 PER DAY	1 1 1931	31 10 1979
*	SAMBRO LIGHTSHIP	44.3666	63.4333	2 PER DAY	27 2 1941	30 9 1966

2.5 Offshore Platforms

This section consists of data collected by drill ships and stationary platforms off the east coast of Canada. The parameters are typically measured hourly and include wind (speed, gust and direction), wave measurements (significant wave height, mean-zero crossing period, swell period and height) and current observation (depth, speed and direction) usually at two different locations. MEDS data holdings range from data collected from 1971 to 1976 (12 separate wells) and are available on magnetic tape, as a printer listing, or both. A list of Wellhead locations and a position map is also included.

The map shows the well position and its name. Each line reports one observational period at a given well for a particular vessel and/or operator. The "Well Name" is the name of the drill site. "Latitude" and "Longitude" are the well's position. "Vessel Name" is the drill ship. "Operator" relates to the drill ship. "Start Date" and "End Date" define the observational period by day/month/year.


65
60
55
61
60
50
2.5 Well Locations
CABOT O-91
KARLSEFNI A-13
SNORRI J-90
HERJOLF M-92
BJARNI M-81
CARTIER D-70
GUDRID H-55
LEIF M-48
LEIF E-38
INDIAN HARBOUR M-52
FREYDIS B-87
VERRAZANO L-77

	WELL NAME	LATITUDE NORTH	LONGITUDE WEST	VESSEL NAME	OPERATOR	START DATE MM DD YYYY	END DATE MM DD YYYY
***							
*	BJARNI H-81	55.5081	57.7017	PELICAN	EASTCAN	08/29/1973	10/12/1973
*	BJARNI H-81	55.5081	57.7017	TEM	EASTCAN	10/13/1973	11/12/1973
*	BJARNI H-81	55.5081	57.7017	PELICAN	EASTCAN	10/03/1974	10/21/1974
*	CABOT G-91	59.8389	61.7319	PETREL	EASTCAN	07/29/1976	08/29/1976
*	CARTIER D-70	54.9839	55.6750	PELICAN	EASTCAN	09/26/1975	10/30/1975
*	FREYDIS B-87	53.9369	54.7083	PELICAN	EASTCAN	07/02/1975	08/09/1975
*	GUDRID H-55	54.9083	55.8756	PELICAN	EASTCAN	07/10/1974	10/03/1974
*	HERJOLF M-92	55.5314	57.7481	ZAPATA UGLAND	EASTCAN	08/27/1976	11/24/1976
*	INDIAN HARBOUR M-52	54.3642	54.3978	SEDCO J	BP	08/15/1976	11/03/1976
*	KARLSEFNI A-13	58.8708	61.7783	PELICAN	EASTCAN	08/10/1975	09/26/1975
*	KARLSEFNI A-13	58.8708	61.7783	PELICAN	EASTCAN	09/11/1976	10/23/1976
*	LEIF E-38	54.2917	55.0978	TYPHOON	TENNECO	06/25/1971	10/02/1971
*	LEIF E-38	54.2917	55.0978	PELICAN	TENNECO	07/25/1973	08/01/1973
*	LEIF M-48	54.2961	55.1222	PELICAN	EASTCAN	08/01/1973	08/29/1973
*	SNORRI J-90	57.3292	59.9622	SEDCO 445	EASTCAN	07/27/1975	10/10/1975
*	SNORRI J-90	57.3292	59.9622	PELICAN	EASTCAN	08/29/1976	09/08/1976
*	VERRAZANO L-77	52.4433	54.1981	PETREL	EASTCAN	09/01/1976	09/25/1976

3. OCEANOGRAPHIC CRUISES

This section of the catalog presents a summary of data collection activities from a moving platform as opposed to a fixed or moored platform. A cruise is hence an expedition aiming to observe the oceans characteristics in different locations. It could be operated from different platforms: ships, aircraft, launches, drifting ice, etc. Generally speaking, the observations are not made at regular time intervals and the variation of a parameter as a function of time is not the primary consideration. Some exceptions exist to that rule such as standard lines and stations covered as part of a cruise to observe long term variations, and weathership cruises occupying a fixed position for an extended period of time.

Cruises can observe the physical, chemical or biological characteristics of the oceans waters. Geological cruises are covered here only in the cases where water samplings were also made.

The information given is divided into 3 tables:

1) data archived in MEDS data banks sorted by identification;

2) data undergoing MEDS processing sorted by identification; and

3) data not yet in MEDS sorted by start date.

Each line in the tables is one cruise.

In the table of MEDS-held data and data in processing, cruises are identified by the national cruise number assigned by MEDS that ensures unique identification within Canada. For other cruises, the originator's identification is reported. Start and End Dates are usually the dates the ship left port and returned, though some may be the dates of the first and last station. The latitude/longitude ranges report the rectangle which encompasses most if not all of the stations occupied during the cruise. The number of stations reported (TOTAL STNS) can be; number of positions occupied, the number of integrated bottle casts, bathythermograph drops, or a mixture of these. It is a rough indication of the size of the cruise. The Data Type is an assessment of the predominant kind of data collected. For the MEDS-held data, and data in processing, N means bottle cast, and X means bathythermograph.

For other cruises the codes are:

P - physical oceanography

C - chemical oceanography

B - biological oceanography

G - geological oceanography

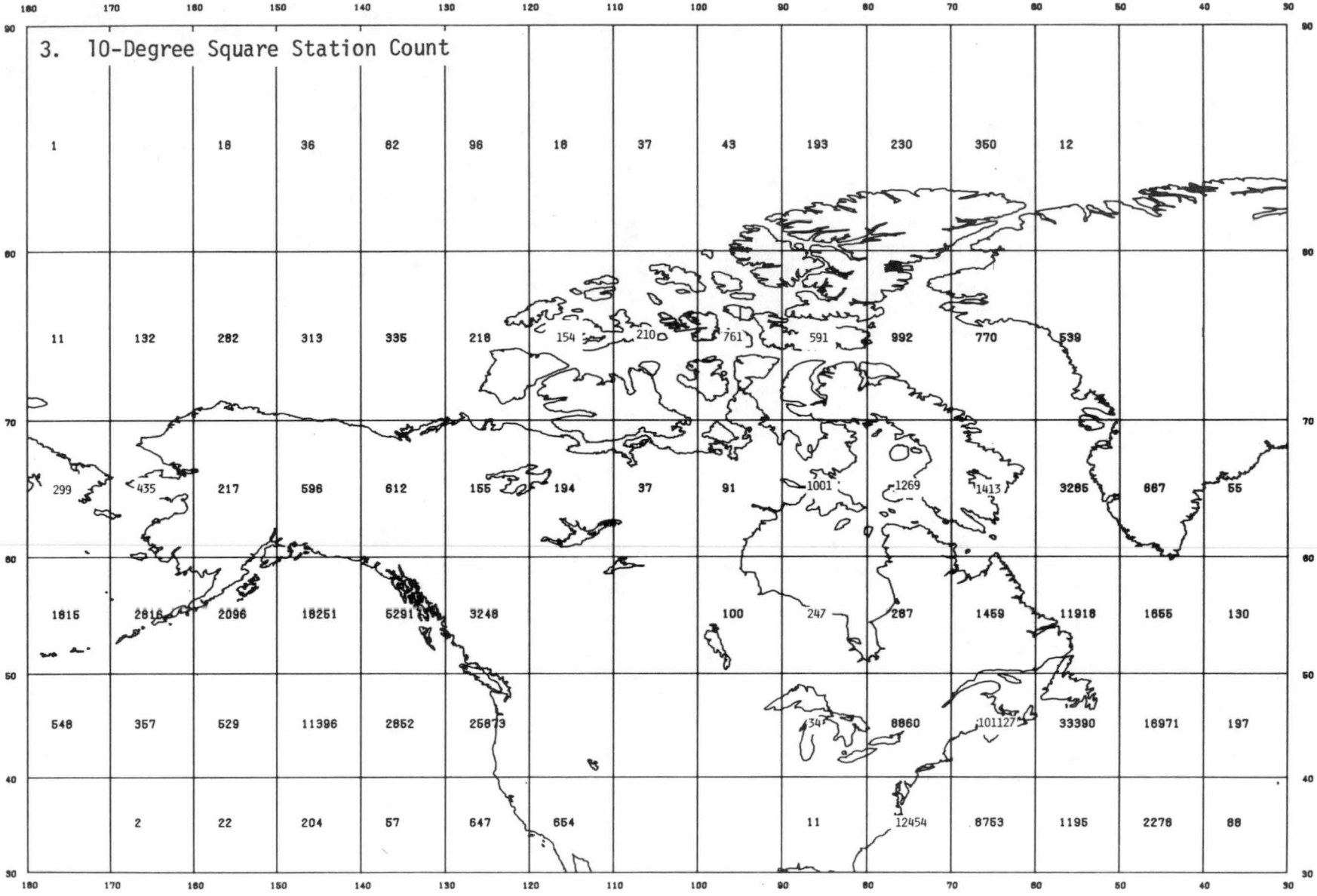
Y - pollution

F - fisheries science

M - meteorology

The time coverage of the cruises is irregular from year to year and within each year. The "Time Distribution" tables count the number of cruises ongoing during every month of every year. A multi-month cruise counts for several months or even several years. The yearly and the monthly totals cannot be computed from each other but only from the original list of cruises.

The map shows the 10-degree squares contained in the area of Canadian primary interest. The number in each square is the total number of bottle and bathythermograph stations on record in MEDS for all time in the square. In this pilot catalog this map matches the table of MEDS held data. The other two tables are not added into the mapped totals. Also, once all the biological oceanographic data are accounted for the totals could substantially increase in many squares.


3. 10-Degree Square Station Count
180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30
90 80 70 60 50 40 30
1
18 36 62 98 18 37 43 193 230 350 12
11 132 282 313 335 218 154 210 761 591 992 770 539
299 435 217 596 612 155 194 37 91 1001 1269 1413 3285 867 55
1815 2816 2096 18251 5291 3248 100 247 287 1459 11918 1655 130
548 357 529 11396 2852 25873 347 8860 10112 33390 16971 197
2 22 204 57 647 654 11 12454 8753 1195 2278 88

TIME DISTRIBUTION FOR MEDS HELD DATA — SECTION 3 PAGE 1

17/12/81

YEARS	MONTHS JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
1909	0	0	0	0	0	1	1	1	1	1	1	1	1
1910	1	1	1	1	1	2	2	1	1	1	1	1	2
1911	1	1	1	1	1	1	1	1	1	1	1	1	1
1912	1	1	1	1	1	1	2	2	2	2	2	2	2
1913	2	2	2	2	3	3	3	3	4	3	3	3	4
1914	4	3	3	3	3	3	3	3	3	3	3	3	4
1915	3	3	3	3	5	6	6	6	4	4	4	3	6
1916	3	3	3	3	3	3	4	4	4	4	4	4	4
1917	3	3	3	4	4	4	4	4	4	4	4	4	4
1918	3	3	3	4	5	4	4	4	4	4	3	3	5
1919	3	3	3	3	3	3	3	3	3	4	4	4	4
1920	5	5	5	5	5	4	4	5	5	4	4	4	6
1921	4	4	5	5	5	5	5	6	5	5	5	5	6
1922	5	5	5	4	6	4	4	4	4	4	4	4	7
1923	4	4	4	4	4	5	5	6	6	4	4	4	7
1924	5	5	5	5	5	9	9	11	9	6	5	5	11
1925	4	4	4	4	4	5	5	4	4	4	4	4	5
1926	5	5	6	6	6	6	5	5	4	4	4	4	6
1927	4	4	4	4	4	5	5	5	5	5	5	5	5
1928	5	5	5	5	7	7	7	7	7	7	6	6	8
1929	6	6	6	6	6	6	6	6	6	6	6	5	9
1930	5	5	5	6	6	6	5	8	8	7	7	7	13
1931	6	8	7	8	6	7	8	9	9	10	8	9	15
1932	8	11	11	12	13	13	15	16	13	12	12	10	22
1933	10	10	10	10	11	14	13	12	9	7	7	7	15
1934	7	7	8	8	9	11	14	12	9	7	6	6	17
1935	7	8	10	9	10	12	15	15	10	10	9	8	19
1936	9	10	9	10	11	11	10	10	9	8	7	7	13
1937	6	8	8	8	9	13	13	11	9	8	7	7	19
1938	9	9	9	11	12	16	14	13	10	8	9	8	23
1939	9	9	10	10	11	10	10	10	10	9	9	8	13
1940	8	8	9	9	9	9	8	8	8	7	7	7	9
1941	7	6	7	8	10	11	9	8	8	5	5	5	13
1942	6	6	6	6	6	6	6	6	6	6	6	5	6
1943	6	6	6	6	6	6	8	15	23	9	7	7	26
1944	10	10	10	10	9	8	8	9	14	16	11	14	36
1945	17	20	15	11	7	6	6	7	9	10	7	6	30
1946	7	10	9	9	11	12	13	14	32	28	17	17	43
1947	18	23	24	27	34	41	53	57	49	35	34	13	71
1948	13	19	28	34	38	54	55	53	53	48	34	23	75
1949	10	26	32	40	37	49	57	60	58	52	39	19	91
1950	18	19	24	31	45	70	72	74	71	59	52	29	118
1951	30	39	42	45	55	64	77	79	71	59	51	35	105
1952	38	48	57	62	70	84	91	86	81	67	45	26	137
1953	25	43	55	60	68	74	86	88	78	62	51	27	118
1954	36	47	59	68	72	73	78	79	74	64	50	33	121
1955	18	36	43	54	57	74	81	81	74	62	56	32	120
1956	23	55	56	62	75	77	85	84	80	73	66	28	128
1957	33	51	53	59	69	79	83	83	64	56	41	34	168
1958	37	41	51	62	71	78	88	84	72	63	42	27	181
1959	38	50	53	56	64	78	83	92	68	60	47	24	167
1960	27	29	34	40	49	56	57	54	53	41	35	28	137

	IDENTIFICATION	START DATE MM DD YYYY	END DATE MM DD YYYY	MINIMUM LATITUDE	MAXIMUM LATITUDE	MINIMUM LONGITUDE	MAXIMUM LONGITUDE	TOTAL STNS	DATA TYPE
***									
*	06 00110	09/02/1959	11/21/1959	44.8333	60.2333	44.6666	61.0500	51	N
*	06 00280	03/07/1935	03/27/1935	50.1666	61.7500	40.2333	50.2333	12	N
*	06 08460	06/04/1955	10/11/1955	57.7833	63.9666	40.0000	54.0000	53	N
*	06AD00340	03/30/1964	03/31/1964	61.8166	62.5166	40.0000	40.9833	5	N
*	06AD00510	05/03/1961	05/11/1961	50.0000	58.4500	40.0000	42.0000	17	N
*	06AD00540	02/25/1962	03/12/1962	51.3166	61.9000	45.5500	51.5166	12	N
*	06AD00550	05/31/1963	06/15/1963	57.8500	61.3666	40.7333	42.9333	8	N
*	06AD00580	07/13/1965	07/24/1965	51.2833	64.3166	49.8333	62.7166	53	N
*	06AD00770	10/06/1966	10/13/1966	59.4166	64.0166	45.0000	53.3333	26	N
*	06AD01860	07/07/1971	07/07/1971	62.1666	62.7833	40.0000	40.1666	2	N
*	06AD01870	11/01/1972	12/10/1972	40.0000	67.8833	44.0000	71.0000	48	N
*	06AD02660	11/15/1974	11/23/1974	40.0000	42.5000	65.5000	71.0000	76	N
*	06AD09180	04/07/1958	09/17/1958	56.3333	63.3666	40.0000	43.9500	47	N
*	06DA01620	11/23/1975	12/08/1975	51.1000	55.3000	50.3166	57.8333	78	N
*	06DA02320	11/01/1975	11/15/1975	39.7500	43.0000	65.5000	71.5000	119	N
*	06GA00720	08/03/1959	08/17/1959	71.0000	71.5000	51.4000	55.2500	98	N
*	06GA09190	04/15/1958	09/13/1958	44.4500	55.0000	40.0666	47.8666	81	N
*	06HW00600	12/07/1963	12/11/1963	61.7666	67.9666	49.9500	56.8833	25	N
*	06HW00610	06/19/1964	11/23/1964	59.4666	66.8000	40.3000	56.2666	67	N
*	06HW00620	01/25/1965	12/01/1965	40.2666	66.8833	40.5000	68.3000	63	N
*	06HW00700	01/14/1966	01/30/1966	42.7666	56.1333	45.0000	62.7666	33	N
*	06HW00710	02/25/1969	03/18/1969	53.3333	66.5666	40.5500	59.4833	48	N
*	06HW00820	10/13/1967	11/05/1967	53.8166	66.8666	43.9333	62.8333	72	N
*	06HW00830	07/21/1968	08/15/1968	59.3666	68.0000	42.0666	57.2166	84	N
*	06HW00840	01/26/1969	11/12/1969	39.8333	66.8500	45.0000	70.3166	163	N
*	06HW01020	02/27/1970	08/13/1970	39.9000	64.5666	41.7166	71.9166	301	N
*	06HW01580	10/31/1971	12/11/1971	40.2500	65.2333	43.5666	71.0000	99	N
*	06HW01670	03/15/1972	03/23/1972	45.8166	46.3333	57.0000	58.2833	10	N
*	06ME02120	08/04/1930	03/30/1933	58.0000	62.7333	40.3166	44.0333	13	N
*	06MT01730	06/17/1971	06/17/1971	43.8166	43.8166	42.9500	42.9500	1	N
*	06WH01650	07/29/1975	08/13/1975	58.7666	64.4833	40.1666	54.5000	89	N
*	06WH02010	03/15/1974	04/03/1974	39.8166	45.0000	56.1666	70.7666	79	N
*	06WH02110	10/29/1973	11/08/1973	40.0000	44.3000	65.0000	70.5000	51	N
*	08CC06960	04/04/1958	04/04/1958	55.8666	55.8666	60.1166	60.1166	1	N
*	180043025	07/26/1943	09/17/1943	42.9166	43.3333	60.0000	67.9666	14	X
*	180043026	08/17/1943	08/19/1943	43.0000	43.7166	66.0166	66.6333	17	X
*	180043029	08/21/1943	09/03/1943	44.0500	44.1500	62.9000	64.0666	2	X
*	180043034	09/04/1943	09/15/1943	44.5500	44.9500	60.1333	61.0833	10	X
*	180043036	08/20/1943	09/21/1943	43.8166	43.9833	63.2833	63.5166	3	X
*	180043038	09/12/1943	09/12/1943	48.0000	48.5666	48.7833	50.3000	10	X
*	180043042	10/16/1943	10/16/1943	44.3666	44.3666	63.4166	63.4166	1	X
*	180043043	08/31/1943	12/05/1943	44.1666	44.5833	63.3000	63.5333	30	X
*	180043044	08/01/1943	09/03/1943	44.0333	44.5833	63.0000	63.7166	32	X
*	180043046	09/04/1943	10/16/1943	44.3666	45.9666	52.5833	68.4500	24	X
*	180043047	09/04/1943	09/14/1943	45.0000	45.4666	57.0833	60.4833	7	X
*	180043049	09/11/1943	09/11/1943	47.8166	47.6500	52.2000	52.4166	2	X
*	180043050	07/26/1943	07/27/1943	43.0000	43.9333	60.1666	62.7333	12	X
*	180043051	09/07/1943	09/20/1943	42.8333	47.5000	48.7666	67.3833	9	X
*	180043055	09/15/1943	09/15/1943	44.8666	44.9833	59.4500	59.8000	3	X
*	180043059	08/19/1943	09/20/1943	42.8500	42.9666	65.1333	65.8500	8	X
*	180043060	08/19/1943	09/20/1943	42.8000	42.8833	66.0000	66.9666	8	X
*	180043063	09/07/1943	09/13/1943	46.0333	46.9000	48.7166	52.4833	13	X

TIME DISTRIBUTION FOR DATA IN PROCESSING SECTION 3 PAGE 1

16/12/81

YEARS	MONTHS JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
1928	0	0	0	0	1	1	1	2	1	1	1	1	2
1929	1	1	1	1	1	1	1	1	1	1	1	0	1
1948	0	0	0	0	0	1	1	1	1	0	0	0	1
1950	0	0	0	0	0	0	0	1	1	1	1	1	1
1951	0	1	1	0	0	0	0	0	0	0	0	0	1
1952	0	0	0	0	0	0	0	0	1	0	0	0	1
1954	0	0	0	0	0	1	0	0	0	0	0	0	1
1955	0	0	0	0	0	0	0	1	2	0	0	0	2
1956	0	0	0	0	1	1	2	7	6	3	2	2	7
1957	2	3	3	3	3	2	3	2	2	2	1	2	7
1958	3	2	3	4	3	2	1	1	2	0	1	1	10
1959	2	1	1	1	1	0	1	1	2	2	1	1	8
1960	2	1	1	2	2	1	1	3	2	2	2	2	10
1961	3	4	3	2	1	1	1	1	0	0	0	0	4
1962	2	2	1	0	0	0	1	0	0	0	0	0	4
1963	1	1	1	2	1	2	2	1	1	0	0	0	5
1964	0	0	1	1	1	1	2	1	2	0	1	0	4
1965	1	2	1	1	3	2	1	2	1	1	1	1	5
1966	1	1	1	1	2	2	2	2	1	3	2	1	4
1967	1	1	1	1	1	1	1	1	1	2	2	0	2
1968	0	1	1	2	1	1	2	2	1	1	1	1	4
1969	3	4	3	2	3	3	2	3	2	2	1	1	14
1970	2	2	1	2	3	4	5	5	3	3	4	5	14
1971	2	3	2	2	3	3	3	4	6	6	4	2	14
1972	2	4	4	5	5	5	5	5	6	5	5	6	17
1973	4	4	2	5	6	7	5	7	8	7	7	4	22
1974	5	5	5	5	5	6	5	5	5	4	6	2	17
1975	4	6	7	5	6	6	7	7	7	6	3	2	18
1976	5	5	5	6	4	6	6	5	6	7	5	4	22
1977	3	3	3	5	4	5	6	6	5	6	6	5	14
1978	4	3	2	1	3	3	4	4	3	3	2	1	14
1979	0	4	2	4	4	4	1	3	4	2	2	1	19
1980	1	2	5	3	4	3	5	6	6	4	4	1	29
1981	0	1	0	0	0	0	0	0	0	0	0	0	1

	IDENTIFICATION	START DATE MM DD YYYY	END DATE MM DD YYYY	MINIMUM LATITUDE	MAXIMUM LATITUDE	MINIMUM LONGITUDE	MAXIMUM LONGITUDE	TOTAL STNS	DATA TYPE
***									
*	CUIJ76001	07/15/1976	07/31/1976	40.0517	45.3333	59.2550	68.9867	12	N
*	CUIJ77003	07/07/1977	07/14/1977	42.0833	46.3333	56.3333	65.0000	25	N
*	CUIJ78001	07/04/1978	07/23/1978	42.3333	46.7550	49.0000	65.3333	72	N
*	CUIJ79002	07/02/1979	07/15/1979	43.3333	46.0000	49.0000	52.2500	35	N
*	06 59001	10/28/1959	10/28/1959	60.3000	60.4167	61.2000	61.7500	3	N
*	06 65001	08/01/1965	08/30/1965	47.7833	70.6000	44.2167	64.4500	61	F
*	06 65001	08/01/1965	08/27/1965	47.7833	65.4667	44.2167	64.4500	55	N
*	06AD02660	11/15/1974	11/23/1974	40.0000	42.5000	65.5000	71.0000	76	N
*	06AD58028	04/11/1958	04/11/1958	59.1167	59.4667	42.2333	43.9000	4	N
*	06AD58031	09/10/1958	09/15/1958	59.1333	61.1667	42.3000	43.9500	9	N
*	06AD62059	03/04/1962	03/06/1962	64.1833	64.5500	53.4000	54.9667	6	N
*	06AD63069	06/01/1963	06/01/1963	59.1000	59.1000	42.9333	42.9333	1	N
*	06AD66100	10/06/1966	10/13/1966	59.4167	64.0167	45.0000	53.3333	26	N
*	06AD72165	11/01/1972	12/10/1972	40.0000	67.8833	44.0000	71.0000	48	N
*	06AD74001	11/29/1974	12/11/1974	52.3667	60.2833	45.7500	56.6667	51	N
*	06AD74178	11/15/1974	11/23/1974	40.0000	42.5000	65.5000	71.0000	76	N
*	06AD75187	11/01/1975	12/08/1975	39.7500	55.3000	50.3167	71.5000	197	N
*	06AD77202	10/11/1977	10/28/1977	40.2500	42.9333	65.6167	70.2167	35	F
*	06AD78208	09/23/1978	10/20/1978	40.6833	48.2667	42.4500	70.9167	222	F
*	06HW64004	07/02/1964	07/02/1964	59.4667	59.6500	43.8833	43.9833	3	N
*	06HW64007	11/23/1964	11/23/1964	60.0333	60.0333	45.7833	45.7833	1	N
*	06HW65008	01/27/1965	02/18/1965	41.3833	47.1000	47.3000	65.6833	5	N
*	06HW65010	05/29/1965	06/21/1965	47.0000	65.2500	47.5833	63.7333	25	N
*	06HW67021	10/13/1967	11/05/1967	53.6167	66.8667	43.9333	62.8333	73	N
*	06HW68001	07/21/1968	08/15/1968	59.3667	68.0000	42.0667	57.2167	85	N
*	06HW69027	01/26/1969	02/19/1969	39.8333	52.3000	45.0000	69.2500	75	N
*	06HW69028	02/25/1969	03/14/1969	53.3333	66.5667	49.9000	59.4833	43	N
*	06HW69031	10/10/1969	11/12/1969	40.2000	66.8500	44.0000	70.3167	96	N
*	06HW70032	02/27/1970	03/21/1970	52.0333	64.5667	42.0500	58.2000	26	N
*	06HW70034	06/19/1970	08/13/1970	39.9000	44.4667	62.1500	71.9167	273	N
*	06HW71039	10/31/1971	11/07/1971	40.4500	44.4000	65.4500	68.0333	15	N
*	06HW74054	03/15/1974	04/03/1974	39.6167	45.0000	56.1667	70.7667	79	N
*	06HW75004	07/29/1975	08/09/1975	58.7667	64.4833	42.0500	54.5000	55	F
*	06HW75064	07/29/1975	08/09/1975	58.7667	64.4833	42.0500	54.5000	75	N
*	06MT28001	08/19/1928	08/22/1928	58.7167	61.2000	42.2333	46.5167	57	F
*	069976001	06/18/1976	07/07/1976	37.0500	46.8000	42.0000	76.1667	52	F
*	07 75001	02/04/1975	03/25/1975	40.1167	52.0667	50.4167	70.6833	83	N
*	07BW79001	11/20/1979	12/13/1979	52.5833	60.9000	51.5333	63.4833	74	N
*	07EH76001	01/22/1976	03/20/1976	39.0000	65.3333	46.7500	71.2000	111	N
*	07GZ77001	03/04/1977	04/06/1977	39.9667	43.2333	66.2333	72.2167	107	N
*	18ES77001	08/16/1977	09/04/1977	60.4967	66.1167	56.5050	64.0103	78	C
*	18VY79022	08/04/1979	08/20/1979	41.4667	46.9333	56.7333	66.0000	126	F
*	18VY79023	08/24/1979	09/10/1979	42.1333	46.9333	56.7333	66.0000	125	F
*	180256704	08/25/1956	12/07/1956	50.0000	50.0000	145.0000	145.2500	11	N
*	180257706	01/27/1957	03/05/1957	49.8333	50.0000	145.0000	145.2500	10	N
*	180257707	04/20/1957	05/29/1957	50.0000	50.0000	144.7500	145.2500	13	N
*	180257710	07/13/1957	08/21/1957	49.8333	50.1667	144.2500	145.2500	13	N
*	180257713	09/28/1957	10/29/1957	49.8333	50.1667	144.7500	145.2500	10	N
*	180257717	12/14/1957	01/22/1958	49.8333	50.1667	144.7500	145.2500	12	N
*	180258718	03/09/1958	04/16/1958	49.8333	50.0000	144.7500	145.2500	11	N
*	180258722	05/31/1958	07/08/1958	49.8333	50.1667	144.7500	145.0000	42	N
*	180258726	08/23/1958	09/22/1958	49.8333	50.1667	144.7500	145.2500	12	N

16/12/81

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
					MONTHS								
1923	0	0	0	0	0	0	1	7	4	0	0	0	11
1930	0	0	0	0	0	0	0	0	0	0	0	1	1
1931	1	1	1	1	1	1	1	1	1	1	1	1	1
1936	0	0	0	0	0	2	2	2	1	0	0	0	5
1941	0	0	0	0	0	0	0	0	4	0	0	0	4
1942	0	0	0	0	0	0	0	4	0	0	0	0	4
1947	1	1	1	1	1	1	1	1	1	1	1	1	1
1948	0	0	0	0	1	1	2	2	1	0	0	0	4
1949	0	0	0	0	0	0	0	1	1	0	1	1	3
1950	0	1	1	2	3	3	4	3	3	1	2	2	14
1951	2	1	2	2	1	1	2	3	1	0	0	0	8
1952	2	3	0	1	3	3	5	6	4	2	1	0	9
1953	2	4	3	2	1	1	4	4	2	2	1	1	7
1954	1	2	2	0	0	3	4	7	5	2	2	2	11
1955	2	2	2	5	2	3	3	3	3	3	2	1	6
1956	1	1	1	1	1	1	1	1	0	0	0	0	1
1957	0	0	0	1	4	3	6	5	2	2	1	1	14
1958	4	4	6	7	7	7	7	7	6	6	7	6	9
1959	2	2	2	3	2	4	6	7	7	5	4	3	13
1960	4	4	4	4	5	6	6	6	6	3	3	4	12
1961	4	4	6	7	7	9	12	13	12	9	4	5	30
1962	3	5	6	9	8	7	5	6	7	7	9	5	19
1963	5	6	6	6	6	6	9	8	7	4	3	3	13
1964	4	4	4	6	9	7	8	9	8	12	7	5	28
1965	6	7	11	13	16	15	15	13	12	11	10	7	46
1966	7	6	8	11	21	24	25	23	19	16	16	6	68
1967	11	12	11	13	16	14	20	18	18	13	13	11	39
1968	13	11	12	12	13	13	12	10	8	8	7	6	25
1969	6	7	7	8	8	4	6	9	6	6	5	5	28
1970	5	5	5	6	6	6	9	13	7	8	5	4	31
1971	9	10	11	14	15	19	19	16	13	13	12	11	66
1972	9	8	9	9	11	12	9	17	13	15	10	6	62
1973	7	10	9	10	7	7	15	11	10	12	7	5	55
1974	7	6	11	14	13	11	14	19	18	13	12	9	57
1975	8	10	10	10	15	15	19	20	14	12	8	3	73
1976	4	11	13	15	12	17	15	13	10	13	13	9	81
1977	9	10	18	9	14	11	19	12	22	11	16	12	111
1978	10	13	14	11	12	11	12	19	15	16	6	10	97
1979	11	11	15	15	26	21	17	18	16	16	12	12	124
1980	12	15	17	23	17	15	17	17	23	15	15	7	128
1981	5	6	8	12	9	3	7	4	1	1	0	0	42

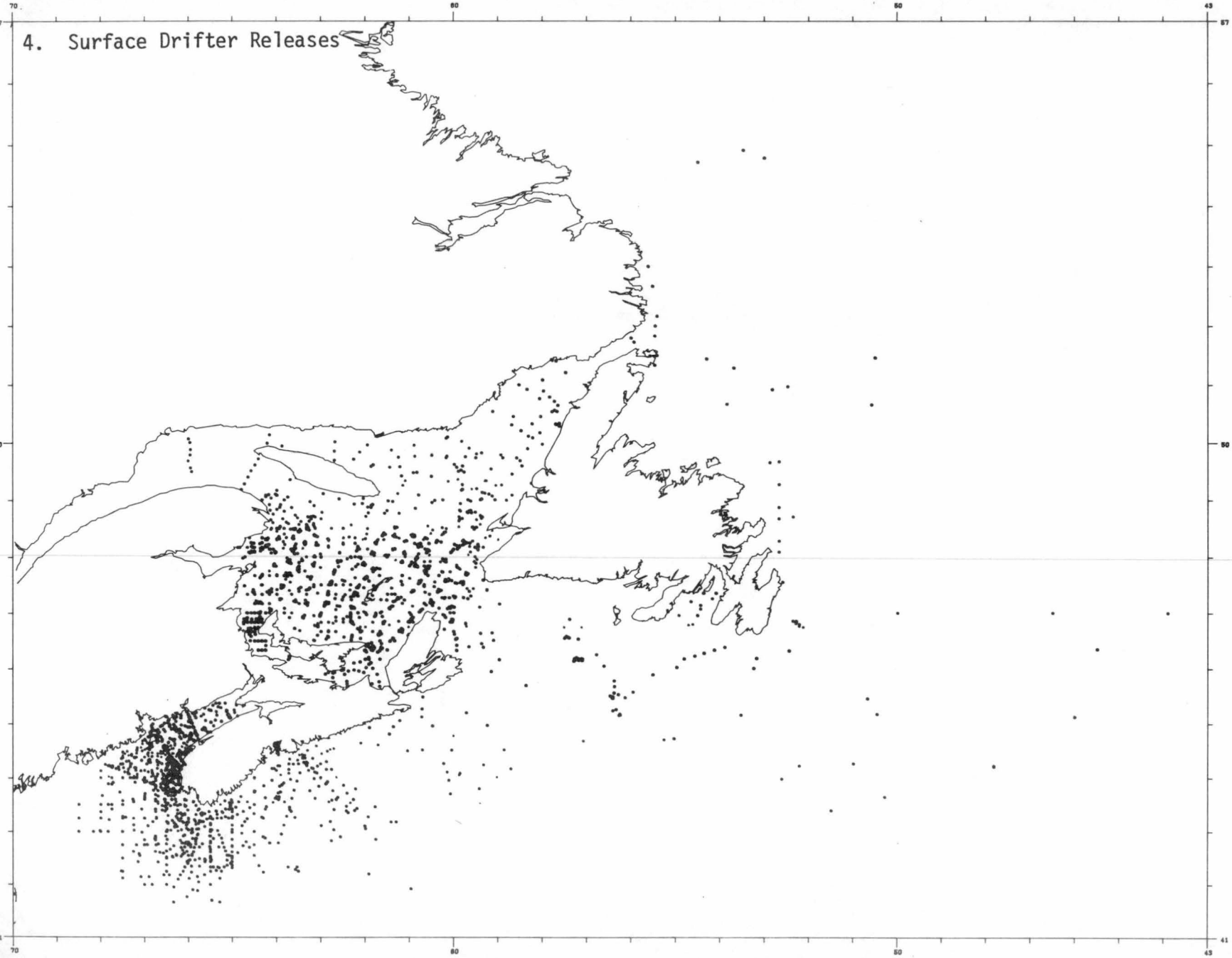
IDENTIFICATION	START DATE	END DATE	MIN LAT	MAX LAT	MIN LONG	MAX LONG	NO STNS	DATA TYPE	CNTY
SECT 1 STATIONS 427-	30/ 7/1923	2/ 8/1923	50.0000	51.0000	57.0000	58.0000	N/A	P	N/A
SECT II STATIONS 408	7/ 8/1923	7/ 8/1923	51.0000	51.0000	56.0000	57.0000	N/A	P	N/A
SECT III STATIONS 23	15/ 8/1923	16/ 8/1923	50.0000	51.0000	57.0000	58.0000	N/A	P	N/A
SECT IV STATIONS 31-	16/ 8/1923	17/ 8/1923	50.0000	51.0000	57.0000	57.0000	N/A	P	N/A
SECTION V STATIONS 3	17/ 8/1923	17/ 8/1923	51.0000	51.0000	56.0000	56.0000	N/A	P	N/A
SECT VI STATIONS 45-	18/ 8/1923	19/ 8/1923	52.0000	53.0000	52.0000	55.0000	N/A	P	N/A
SECT VII STATIONS 55	21/ 8/1923	21/ 8/1923	51.0000	51.0000	56.0000	57.0000	N/A	P	N/A
SECT VIII STATIONS 6	6/ 9/1923	6/ 9/1923	51.0000	51.0000	55.0000	56.0000	N/A	P	N/A
SECT IX STATIONS 69-	7/ 9/1923	7/ 9/1923	51.0000	51.0000	55.0000	56.0000	N/A	P	N/A
SECT X STATIONS 73-7	7/ 9/1923	7/ 9/1923	51.0000	51.0000	55.0000	55.0000	N/A	P	N/A
STATION 442 & 58	24/ 9/1923	27/ 9/1923	51.0000	51.0000	56.0000	56.0000	N/A	P	N/A
STNS. 73 & 74	29/12/1930	22/12/1931	48.0000	49.0000	123.0000	124.0000	24	B	18
FIRST CRUISE	7/ 6/1936	15/ 6/1936	47.0000	49.0000	125.0000	127.0000	36	P	18
CRUISE #1	8/ 6/1936	13/ 6/1936	47.0000	51.0000	125.0000	131.0000	18	P	18
SECOND CRUISE	27/ 7/1936	7/ 8/1936	47.0000	50.0000	124.0000	130.0000	45	P	18
CRUISE #2	30/ 7/1936	7/ 8/1936	47.0000	51.0000	125.0000	131.0000	36	P	18
CRUISE #3	4/ 9/1936	5/ 9/1936	47.0000	51.0000	125.0000	131.0000	10	P	18
AREA 1	4/ 9/1941	5/ 9/1941	47.0000	47.0000	65.0000	65.0000	N/A	B	18
AREA 2	7/ 9/1941	8/ 9/1941	48.0000	48.0000	66.0000	66.0000	N/A	B	18
AREA 3	8/ 9/1941	8/ 9/1941	48.0000	48.0000	66.0000	66.0000	N/A	B	18
AREA 4	9/ 9/1941	9/ 9/1941	47.0000	47.0000	68.0000	68.0000	N/A	B	18
N/A	14/ 8/1942	14/ 8/1942	46.0000	50.0000	59.0000	65.0000	28	P	18
AREA 2	27/ 8/1942	28/ 8/1942	48.0000	48.0000	66.0000	66.0000	N/A	B	18
AREA 3	28/ 8/1942	28/ 8/1942	48.0000	48.0000	66.0000	66.0000	N/A	B	18
AREA 1	29/ 8/1942	29/ 8/1942	47.0000	47.0000	65.0000	65.0000	N/A	B	18
DANA 1947	1/ 1/1947	31/12/1947	49.0000	60.0000	31.0000	45.0000	N/A	P	26
PART 1	19/ 5/1948	30/ 6/1948	54.0000	55.0000	130.0000	131.0000	200	M	18
PART 2	2/ 7/1948	30/ 7/1948	54.0000	55.0000	130.0000	131.0000	143	P	18
N/A	8/ 7/1948	11/ 8/1948	45.0000	46.0000	48.0000	50.0000	N/A	F	18
PART 3	3/ 8/1948	10/ 9/1948	54.0000	55.0000	130.0000	131.0000	200	M	18
LD-1	16/ 8/1949	13/ 9/1949	43.0000	44.0000	63.0000	66.0000	60	M	18
SURVEY A	7/11/1949	24/11/1949	49.0000	49.0000	123.0000	123.0000	49	P	18
SURVEY B	19/12/1949	22/12/1949	49.0000	49.0000	123.0000	123.0000	52	P	18
SURVEY C	14/ 2/1950	24/ 2/1950	49.0000	49.0000	123.0000	123.0000	52	P	18
SURVEY D	9/ 3/1950	24/ 3/1950	49.0000	49.0000	123.0000	123.0000	52	P	18
SURVEY E	11/ 4/1950	19/ 4/1950	49.0000	49.0000	123.0000	123.0000	52	P	18
N/A	12/ 4/1950	1/ 9/1950	43.0000	56.0000	49.0000	56.0000	27	F	18
SURVEY F	2/ 5/1950	15/ 5/1950	49.0000	49.0000	123.0000	123.0000	36	P	18
SURVEY G	29/ 5/1950	1/ 6/1950	49.0000	49.0000	123.0000	123.0000	84	P	18
SURVEY H	13/ 6/1950	17/ 6/1950	49.0000	49.0000	123.0000	123.0000	73	P	18
SURVEY J	4/ 7/1950	8/ 7/1950	49.0000	49.0000	123.0000	123.0000	203	P	18
SURVEY K	18/ 7/1950	28/ 7/1950	49.0000	49.0000	123.0000	123.0000	200	P	18
CRUISE 375	20/ 7/1950	25/ 8/1950	58.0000	82.0000	50.0000	92.0000	16	M	31
SURVEY L	22/ 8/1950	1/ 9/1950	49.0000	49.0000	123.0000	123.0000	133	P	18
SURVEY M	27/ 9/1950	6/10/1950	49.0000	49.0000	123.0000	123.0000	115	P	18
N/A	1/11/1950	11/ 1/1951	50.0000	50.0000	125.0000	125.0000	20	P	18
N/A	1/11/1950	11/ 1/1951	49.0000	50.0000	125.0000	125.0000	18	P	18
SURVEY N	28/ 2/1951	6/ 3/1951	49.0000	49.0000	123.0000	123.0000	68	P	18
CRUISE 275	23/ 3/1951	6/ 4/1951	61.0000	72.0000	1.0000	41.0000	33	M	31
N/A	30/ 4/1951	28/ 5/1951	44.0000	48.0000	47.0000	60.0000	341	B	35
CRUISE 369	8/ 6/1951	3/ 9/1951	69.0000	76.0000	55.0000	70.0000	45	M	31
PENDRELL SOUND, 1951	26/ 7/1951	5/ 8/1951	50.0000	50.0000	125.0000	125.0000	N/A	P	18
CRUISE II-51	1/ 8/1951	14/ 8/1951	48.0000	55.0000	124.0000	142.0000	52	P	18
CRUISE 373	28/ 1/1952	18/ 2/1952	57.0000	74.0000	1.0000	40.0000	53	M	31

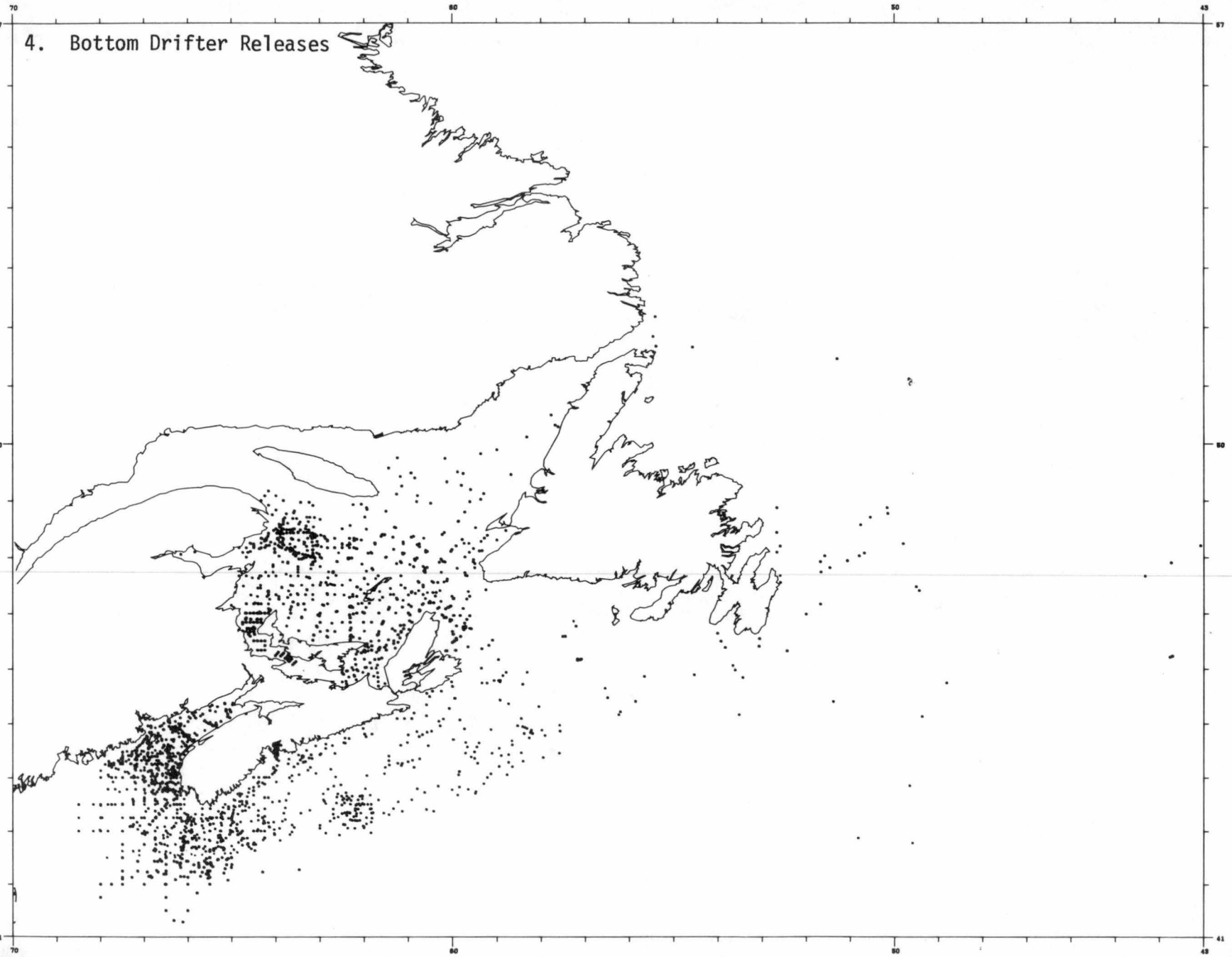
4. SURFACE AND BOTTOM DRIFTERS

Measurements on ocean circulation have historically been one of the major interests to oceanographers. One of the earliest forms of obtaining information on water circulation patterns was to place floating objects in the water and observe their path with time. By placing identification on each floating object and recording the release and recovery positions and dates, one obtained a rough indication of circulation patterns.

Bottom drifters are weighted objects designed to be carried by bottom currents. Eventually they wash up on shore where they might be found and reported. Recovery percentages are poor for both types of drifters. However, gross circulation patterns can be deduced from their position and time data. MEDS maintains a database of such observations and makes these available with assistance from OSS regions.

Two maps showing the locations where surface and bottom types of drifters has been released are included. Next, a listing by originator cruise identification is given. The start and end date refer to the first and last drifter release dates. The circumscribing rectangular limits of the release locations as well as the summary totals of individual releases and recoveries for each cruise is given. In many cases, we do not yet know how many releases were made because the data we received only identified recoveries, consequently the "Releases" and "Recoveries to date" report the same number. The cruise "ADVENTU" on page one of the table is a notable exception. Present efforts are to include release information for which recoveries have not yet occurred within the same database.


4. Surface Drifter Releases
70
60
50
43
57
50
41


4. Bottom Drifter Releases
70
60
50
43
57
50
41

SURFACE AND BOTTOM DRIFTERS
08/12/81

ORIGINATOR IDENTIFICATION	START DATE DD/MM/YYYY	END DATE DD/MM/YYYY	MINIMUM LATITUDE	MAXIMUM LATITUDE	MINIMUM LONGITUDE	MAXIMUM LONGITUDE	RELEASES	RECOVERIES TO DATE
ABE0000	01/07/1961	20/12/1966	46.1500	46.2750	43.7080	66.7110	1450	1450
ADVENTU	25/07/1978	18/08/1978	41.6670	43.7170	63.5670	66.6830	1190	63
AMF0000	18/08/1967	20/08/1967	45.6730	46.4450	61.5300	62.5050	78	78
AMF0001	18/08/1967	20/08/1967	45.6730	46.4450	61.6800	62.9050	51	51
AMS0000	31/07/1969	11/10/1969	46.3830	47.2500	54.1710	59.3330	78	78
ATC	15/09/1965	15/09/1965	47.8670	47.8670	60.9670	60.9670	1	1
ATC0029	10/10/1960	12/10/1960	46.7500	48.3460	62.0000	64.3170	36	36
ATC0046	04/10/1961	06/10/1961	42.9870	43.2670	67.0580	67.4330	3	3
ATC0047	25/10/1961	26/10/1961	43.4830	43.7330	66.2370	66.2500	3	3
ATC0053	03/04/1962	13/04/1962	43.0330	44.6330	60.7000	63.3040	15	15
ATC0054	18/04/1962	26/04/1962	44.7830	48.7670	58.8670	64.2500	65	65
ATC0059	08/09/1962	14/09/1962	42.3170	44.8330	66.0000	66.8000	98	98
ATC0065	28/02/1963	28/02/1963	44.8670	44.9580	57.5750	58.5330	8	8
ATC0066	10/03/1963	13/03/1963	43.0500	43.6120	61.8610	62.6790	10	10
ATC0067	21/03/1963	24/03/1963	42.0750	43.2920	64.1420	65.7580	34	34
ATC0074	12/08/1963	13/08/1963	43.7330	44.5830	66.2850	67.5920	86	86
ATC0086	24/07/1964	29/07/1964	43.2670	44.2170	62.4810	64.8080	15	15
ATC0090	04/08/1964	20/08/1964	42.1500	44.5120	64.5500	67.1250	115	115
ATC0091	19/08/1964	27/08/1964	42.2620	44.9170	66.3640	67.2170	81	81
ATC0098	03/03/1965	11/03/1965	44.7870	45.9250	58.4170	60.6750	14	14
ATC0099	17/03/1965	24/03/1965	44.1920	44.8920	57.9500	63.3830	20	20
ATC0100	30/03/1965	05/04/1965	43.0500	44.7250	61.7960	63.2500	10	10
ATC0101	06/04/1965	13/04/1965	42.8250	47.1170	62.7000	64.8170	27	27
ATC0104	27/05/1965	06/06/1965	46.3250	48.7000	59.1000	64.4330	317	317
ATC0106	09/09/1965	19/09/1965	44.6000	48.4670	58.8000	64.7330	196	196
ATC0107	25/09/1965	07/10/1965	44.2500	44.8170	66.3580	67.1670	61	61
ATC0113	27/12/1966	28/12/1966	42.9250	44.7500	61.1330	62.7170	11	11
ATC0115	17/01/1969	22/01/1969	46.3580	47.3040	59.1830	60.3870	16	16
ATC0116	29/04/1966	17/05/1966	42.8670	46.4000	49.6500	53.5170	19	19
ATC0117	26/05/1966	05/06/1966	46.3750	48.9670	59.5420	64.6330	303	303
ATC0118	07/06/1966	11/06/1966	45.4500	50.1670	58.0580	63.2500	144	144
ATC0119	23/06/1966	23/06/1966	45.4670	46.3830	53.8830	56.1330	13	13
ATC0121	19/08/1966	26/08/1966	41.2830	44.3500	58.7710	66.1120	8	8
ATC0122	31/08/1966	07/09/1966	42.6670	45.9250	57.5670	66.4000	47	47
ATC0123	13/09/1966	22/09/1966	46.2580	48.2670	59.6500	64.4170	190	190
ATC0127	19/01/1967	30/01/1967	43.1870	46.0000	57.9080	65.8750	49	49
ATC0128	02/02/1967	14/02/1967	41.2500	44.8360	64.2500	68.5000	228	228
ATC0131	26/04/1967	03/05/1967	45.1670	46.8830	52.1170	57.5120	85	85
ATC0132	14/05/1967	23/05/1967	47.7620	50.4870	57.6170	61.9890	117	117
ATC0133	04/06/1967	11/06/1967	42.7720	47.4670	48.8170	49.5830	3	3
ATC0134	25/07/1967	28/07/1967	45.1170	47.0000	43.9000	50.0000	5	5
ATC0138	18/10/1967	03/11/1967	44.6960	54.9080	50.4920	58.4580	53	53
ATC0139	11/05/1967	05/11/1967	46.7920	46.7920	54.6080	54.6080	3	3
ATC0143	06/03/1968	06/03/1968	47.6620	47.6620	44.3210	44.3210	1	1
ATC0144	08/04/1968	09/04/1968	48.0170	48.8670	50.1500	51.5830	6	6
ATC0145	15/04/1968	16/04/1968	47.7330	48.2330	49.8000	51.6670	8	8
ATC0146	08/05/1968	21/05/1968	43.3920	46.1920	51.3830	57.2420	14	14
ATC0147	28/05/1968	04/06/1968	45.8330	47.9170	49.4330	54.0040	14	14
ATC0153	20/10/1968	05/11/1968	47.7920	50.6670	52.5920	63.3040	57	57
ATC0156	31/01/1969	28/07/1969	42.7790	48.6330	59.7870	64.4920	11	11
ATC0196	05/03/1972	11/03/1972	42.3710	44.6420	58.8500	65.2420	26	26
ATC1288	15/02/1967	15/02/1967	45.6330	45.8500	55.6580	56.5500	2	2
ATC1288	15/02/1967	16/02/1967	45.6670	46.0170	54.9670	56.3750	3	3

5. RESEARCH AND OTHER DATASETS

The information presented in this section of the pilot catalog was produced from the CAMDI (Canadian Marine Data Inventory) computerized database. Although it includes some datasets which appear in the other sections, e.g. Shore Stations and Wellhead Data, the bulk of the listing is made up of datasets which do not conveniently fall into the other sections of the catalog. In some cases the dataset does not conform to the definition of time series, cruise or drifter data. In other cases, we do not have sufficient information to reliably classify the dataset.

There are seven major divisions or "dataset categories" in the tabulation. Each one corresponds to an oceanographic scientific discipline, e.g. Biological Oceanography, Physical Oceanography, Chemical Oceanography, etc. Within each of these disciplines, up to eleven "phenomenon observed" occurred to categorize the dataset. For example, under Physical Oceanography, the categories that may appear are:

Instruments and Techniques;
Circulation;
Distribution and Water Masses;
Physical Properties of Seawater;
Waves;
Tides and Water Levels;
Boundary Layer Processes;
Sea Ice;
Descriptive Studies;
Turbulance, Mixing, Diffusion; and
Shore Related Processes.

Each page reports one dataset. Its dataset category and phenomenon observed are reported at the top left of the page. Datasets are reported in alphabetic order by dataset category first and phenomenon observed second.

Explanation of Table Headings

(Dataset Category) (Phenomenon) CAMDI No. Collection Status:

CAMDI NO:	Reference number assigned by MEDS.
COLLECTION STATUS:	Completed; in progress; or planned.
PROJECT:	Name of Project.
PROJECT DESCRIPTION:	Brief narrative describing the scope and purpose of project.
ORIGINATOR IDENTIFICATION:	The name the originator uses to identify the dataset.
DATE RANGE:	The dates of the beginning and end of the dataset.
PLATFORM TYPE:	Research Ship; non-specialized ship, satellite; anchored buoy, fix platform, etc.
PLATFORM NAME:	The proper name of the observational platform.
GEOGRAPHIC AREA:	Name of body of water where project takes place.
LATITUDE RANGE:	Latitude extremes for the dataset in degrees.
LONGITUDE RANGE:	Longitude extremes for the dataset in degrees.
DATA DESCRIPTION:	May contain a brief narrative on the purpose of the dataset; the kinds of data collected; and some notes on the instruments and calibration.

**BIOLOGICAL OCEANOGRAPHY **BENTHIC LITTORIAL COMMUNITY **CAMDI - C81054H05 **COLLECTION STATUS - COMPLETED

PROJECT	LITTLE EAST RIVER AREA ENVIRONMENTAL STUDY
PROJECT DESCRIPTION	TO DETERMINE THE EFFECTIVENESS OF A RECENTLY INSTALLED EFFLUENT TREATMENT FACILITY AT THE PLANT OF MASONITE CANADA LTD. THE STUDY CONCENTRATED ON WATER QUALITY IMPROVEMENTS IN LITTLE EAST RIVER, THE RECOVERY OF THE INTERTIDAL FLORA & FAUNA COMMUNITY & THE EFFECTIVENESS OF THE OUTFALL DIFFUSER IN DILUTING & DISTRIBUTING THE TREATED EFFLUENT WITHIN MAHONE BAY.
DATE RANGE(DAY/MONTH/YEAR)	9/ 8/1977 - 21/11/1978
PLATFORM TYPE	OTHER
PLATFORM NAME	MARTEC BOSTON WHALER
GEOGRAPHIC AREA	MAHONE BAY
LATITUDE RANGE(DEGREES)	45.0000N - 45.0000N
LONGITUDE RANGE(DEGREES)	64.0000W - 64.0000W
DATA DESCRIPTION	TO STUDY ENVIRONMENTAL CHANGES IN THE AREA AROUND THE MASONITE CANADA DIFFUSER PIPE. NARRATIVE ON PARAMETERS AND INSTRUMENTS DURING EACH SAMPLE PERIOD A COUNT OF BIOTA & GENERAL OBSERVATIONS WERE MADE EVERY 2M ALONG A MEASURED LINE USING A 1/4M SQUARED QUADRAT ON INTERTIDAL TRANSECTS. SUBTIDAL TRANSECTS WERE SAMPLED EVERY 5M & VARIED IN LENGTH FROM 30M TO 60M TO THE WIDTH OF THE COVE. NOTES WERE MADE ON UNDERWATER SLATES & PHOTOGRAPHS WERE TAKEN. SOME SAMPLES OF MAJOR BIOTA WERE COLLECTED FOR LATER MEASUREMENTS OF LENGTH & BIOMASS.

6. MICROFICHE INVENTORY

This catalog has been microfiched in its entirety. The fiche are in the jackets on the inside back cover. Each catalog section begins a new fiche, so that entire sections can be separately duplicated.