

**ARCTIC DATA COMPILATION AND  
APPRAISAL  
VOLUME 12**

**Beaufort Sea and Amundsen Gulf:  
Physical Oceanography – Temperature,  
Salinity, Currents, Water Levels, and Waves  
REVISED AND UPDATED TO INCLUDE  
1914 THROUGH 1986**

by

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Sidney, B.C.

**1987**

**CANADIAN DATA REPORT OF  
HYDROGRAPHY AND OCEAN SCIENCES  
NO. 5**

## Canadian Data Report Of Hydrography and Ocean Sciences

Data reports provide a medium for the documentation and dissemination of data in a form directly useable by the scientific and engineering communities. Generally, the reports contain raw and/or analyzed data but will not contain interpretations of the data. Such compilations commonly will have been prepared in support of work related to the programs and interests of the Ocean Science and Surveys (OSS) sector of the Department of Fisheries and Oceans.

Data reports are not intended for general distribution and the contents must not be referred to in other publications without prior written authorization from the issuing establishment. The correct citation appears above the abstract of each report. Data reports are abstracted in *Aquatic Sciences and Fisheries Abstracts* and indexed in the Department's annual index to scientific and technical publications.

Data reports are produced regionally but are numbered nationally. Requests for individual reports will be filled by the issuing establishment listed on the front cover and title page. Out of stock reports will be supplied for a fee by commercial agents.

Regional and headquarters establishments of Ocean Science and Surveys ceased publication of their various report series as of December 1981. A complete listing of these publications is published in the *Canadian Journal of Fisheries and Aquatic Sciences*, Volume 39: Index to Publications 1982. The current series, which begins with report number 1, was initiated in January 1982.

## Rapport statistique canadien sur l'hydrographie et les sciences océaniques

Les rapports statistiques servent de véhicule pour la compilation et la diffusion des données sous une forme directement utilisable par les scientifiques et les techniciens. En général, les rapports contiennent des données brutes ou analysées, mais ne fournissent pas d'interprétation des données. Ces compilations sont préparées le plus souvent à l'appui de travaux liés aux programmes et intérêts du service des Sciences et levés océaniques (SLO) du ministère des Pêches et des Océans.

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Les rapports statistiques sont produits à l'échelon régional, mais numérotés à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page du titre. Les rapports épuisés sont fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports en décembre 1981. Une liste complète de ces publications figure dans le volume 39, Index des publications 1982, du *Journal canadien des sciences halieutiques et aquatiques*. La série actuelle a commencé avec la publication du rapport numéro 1 en janvier 1982.

1

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## PREFACE

These catalogues are produced by the Data Assessment Division at the Institute of Ocean Sciences and the Native and Regulatory Affairs Division at the Freshwater Institute. Joint government and industry contract projects have catalogued marine data sets, their focus being mainly on oceanography and fisheries. Data quality appraisals are included to assist in establishing the usefulness of given data for particular analyses or purposes. The ratings also determine the confidence that can be placed on interpretations incorporating those data.

The appraisals will assist in establishing priorities for incorporating the most useful data in the national Marine Environmental Data Service (MEDS) archives. Additional uses of the catalogues include the provision of the best available resume of marine data sources for research planning, environmental assessments, land use planning, regulatory approvals and operational procedures.

In the past, the pace of offshore development activity has emphasized the need to review the sufficiency and suitability of available scientific information for design, regulatory and planning purposes. The review is a three-stage process: 1) compilation and appraisal of the existing data sets; 2) analysis of the suitability of existing data sets for contributing answers to questions of concern; and, 3) analysis and interpretation of data and estimation of scientific confidence in the answer to the particular question. This report represents part of the results of the first stage for the physical oceanographic data of the Canadian Beaufort Sea.

Brian Smiley and Larry de March  
Scientific Editors  
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## ABSTRACT

Birch, J.R., D.D. Lemon, D.B. Fissel and H. Melling, 1987. Arctic Data Compilation and Appraisal. Volume 12. Beaufort Sea and Amundsen Gulf: Physical Oceanography - Temperature, Salinity, Currents, Water Levels and Waves. Revised and updated to include 1914 through 1986. Can. Data Rep. Hydrogr. Ocean Sci. 5: 459 p.

This volume is one of a group of catalogues designed to compile and appraise marine data sets for the Canadian Arctic. For user convenience, the group has been organized with its subject matter divided into three general disciplines; physics, chemistry and biology. The Arctic has been arbitrarily divided into seven geographical areas, grouping where possible, major oceanographic regions. The format throughout has been structured to facilitate comparison among subjects and regions. With such a large undertaking it is not possible to provide all reports at once. This volume contains an updated 1914-1986 inventory of the physical oceanographic data (temperature-salinity, current-meter, water-level, and waves) for the Beaufort Sea and Amundsen Gulf. It is an update of an earlier inventory by Cornford et al. (1982).

## SOMMAIRE

Birch, J.R., D.D. Lemon, D.B. Fissel and H. Melling, 1987. Arctic Data Compilation and Appraisal. Volume 12. Beaufort Sea and Amundsen Gulf: Physical Oceanography - Temperature, Salinity, Currents, Water Levels and Waves. Revised and updated to include 1914 through 1986. Can. Data Rep. Hydrogr. Ocean Sci. 5: 459 p.

Le présent volume fait partie d'une série de catalogues visant la compilation et l'évaluation des données sur le milieu marin de l'Arctique canadien. Pour la commodité des usagers, la série de catalogues est divisée en trois grandes disciplines: physique, chimie et biologie. L'Arctique a été arbitrairement divisé en sept régions géographiques, en groupant si possible les principales régions océanographiques. La présentation a été structurée de façon à faciliter la comparaison entre les sujets et les régions. Toutefois, une telle entreprise ne permet pas de fournir tous les rapports en même temps. Le présent volume contient un inventaire mise à jour des océanographiques (température, salinité, courantomètre, niveau de l'eau et vagues) dans la mer de Beaufort et le golfe Amundsen. Il constitue une mise à jour d'un inventaire précédent préparé par Cornford et al. (1982).

## ACKNOWLEDGEMENTS

This is an updated version of the original Beaufort Sea physical oceanographic inventory by Cornford et al. (1982). Much of the text in this report is verbatim from the original, as well as from another data inventory by Birch et al. (1985).

Many people and organizations provided information required for the inventory. In addition to those who were acknowledged in the original report (Cornford et al. 1982), thanks go to P. Wainwright of Arctic Laboratories, G.R. MacKenzie-Grieve of EPS and R.W. Macdonald of the Institute of Ocean Sciences. The data bases of the Marine Environmental Data Service in Ottawa and the National Oceanographic Data Centre in Washington provided much of the early station header information.

Within Arctic Sciences Ltd., D. Gilbert, B. Cann and S. Norton were responsible for word processing and report production, R. Chave for computer programming and D. Stover for drafting.

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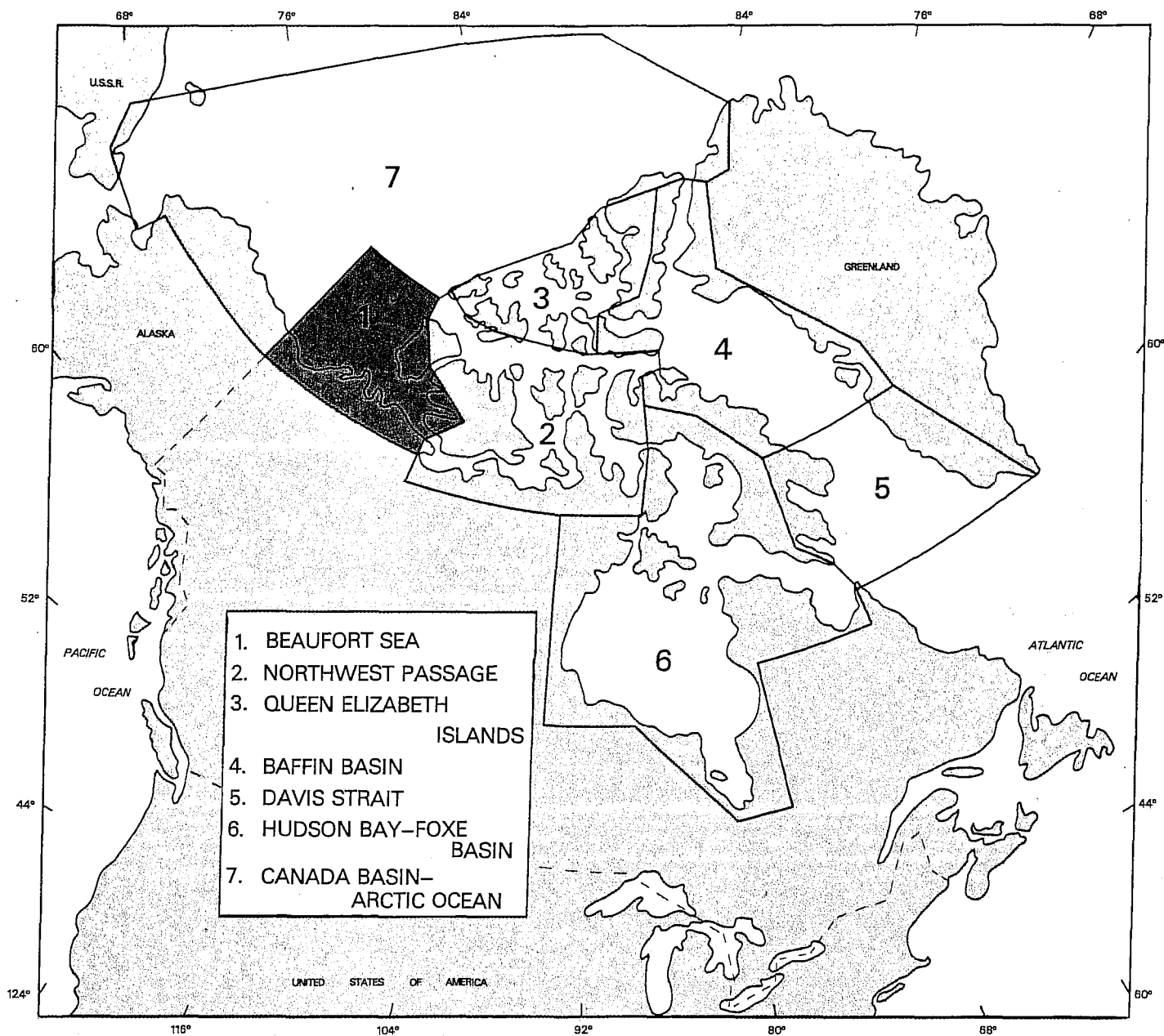
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ARCTIC DATA COMPILATION  
AND APPRAISAL  
VOLUME 12  
Beaufort Sea and Amundsen Gulf: Physical Oceanography



The area covered by this volume is shaded in the map above.

VOLUME 12: Beaufort Sea and Amundsen Gulf: Physical Oceanography,  
Temperature, Salinity, Currents, Water Levels and Waves

VOLUME ABSTRACT

This inventory contains a catalogue of physical oceanographic data collected in the Beaufort Sea and Amundsen Gulf between 1914 and 1986 inclusive. This is an update of the original inventory by Cornford et al. (1982). Times and locations of measurements are listed and displayed graphically for temperature-salinity, current-meter, water-level, wave and drifter data. Yearly plots showing the locations of all measurements are included as are indexes by area and measurement type. References and sources are listed for all data included in the inventory.

Key words: Amundsen Gulf, Beaufort Sea, currents, data, inventory, salinity, temperature, tides, water properties, wave

1. INTRODUCTION

In this report, the physical oceanographic data collected in the Beaufort Sea, Amundsen Gulf and the adjacent shoreward waters are catalogued. The information provided includes the times and locations of measurements, the parameters measured, and the type of instrumentation. The data themselves are not included, but sources for the data and any reports or references utilizing the data are cited wherever possible. This will enable potential users of the data to determine what is available in their area of interest, what data were collected using a specific measurement technique, and whether those data may be of value.

This updated version includes recent (1981-1986 inclusive) data not included in the original inventory of Cornford et al. (1982). The inventory has also been expanded to include wave data and other physical oceanographic data which were identified by the chemical, biological and other inventories completed subsequent to Cornford et al. (1982). Any other known omissions and errors have also been corrected. The data quality rating system has been changed slightly to be in agreement with the more recent inventories. In particular a rating of "0" now signifies the data are either wrong or of very limited value due to lack of documentation.

The original inventory identified over 80 distinct data sets. In preparing this update, approximately 117 additional data sets have been included, more than doubling the data base. Many of these data were obtained during biological and fishery-related surveys. The AIDJEX data, while identified in the earlier inventory, have been included here in full so as to make the data base more complete.

## 2. STUDY AREA

The study area includes that portion of the Beaufort Sea lying to the south of 75°N latitude, to the east of 141°W longitude and bounded on the south and east by the coastline of the Northwest Territories, Banks and Victoria Islands, as illustrated in Figures 1 and 2. The area includes Amundsen Gulf, a large semi-enclosed basin of water freely connected to the Beaufort Sea to depths of 325 m.

The bathymetry of the area (Figure 2) is characterized by several distinctive features. A broad, shallow continental shelf borders the mainland coast and the west coast of Banks Island. The edge of the shelf lies between the 100 and 200 m isobaths and may be as far as 100 km from shore, with depths of less than 10 m being found as much as 30 km offshore. Depths increase rapidly over the continental slope. The depth gradient is particularly large from the 100 m to the 1,000 m isobath; beyond, the bottom depth increases more gradually with distance offshore over the continental rise, and eventually levels out at about 3,600 m in the relatively flat Canada Abyssal Plain.

The shelf is interrupted in two places in the study area: in the west off Herschel Island, where the Herschel Canyon has depths of 100 m or more within 35 km of the coastline; and in the east, where a deep trough (325 m) connects Amundsen Gulf with the Beaufort Sea. Amundsen Gulf has depths in excess of 600 m, and relatively steep sides. A similar trough connects the Beaufort Sea with M'Clure Strait in the northeastern portion of the study area.

An important factor in collecting Arctic oceanographic data is the sea-ice coverage. Where present in sufficient quantity and thickness, sea-ice can provide a stable platform for the collection of oceanographic data (e.g. current and CTD data from Ice Island T-3 and from the AIDJEX studies). However, sea-ice can often hinder data collection by restricting ship operations in the summer months and by damaging subsurface instrumentation placed on and above the sea-floor. There are three major forms of sea-ice in the Beaufort Sea: landfast ice that is attached to the shore, extending to variable distances offshore; pack ice, which occupies the central portion of the Arctic Ocean, moving under the influence of winds and currents; and seasonal ice cover occurring between the landfast and pack ice during the winter months.

The landfast ice is a seasonal phenomenon, beginning to form in late September or early October. Deterioration of the landfast ice begins as early as March, when large leads form west of Banks Island with subsequent clearing from the western portions of Amundsen Gulf. In late May, land runoff begins to accumulate at the mouth of the Mackenzie River and, by late June, open water season has begun.

The pack ice is composed largely of multi-year ice as well as some first-year ice floes and ice islands. The pack ice often retreats offshore in the summer months; the variations in the extent of its retreat are illustrated in Figure 3. The seasonal pack ice cover forms in the fall and exists as highly concentrated but mobile ice floes throughout the winter and spring. Melting of the seasonal ice cover occurs through June to August.



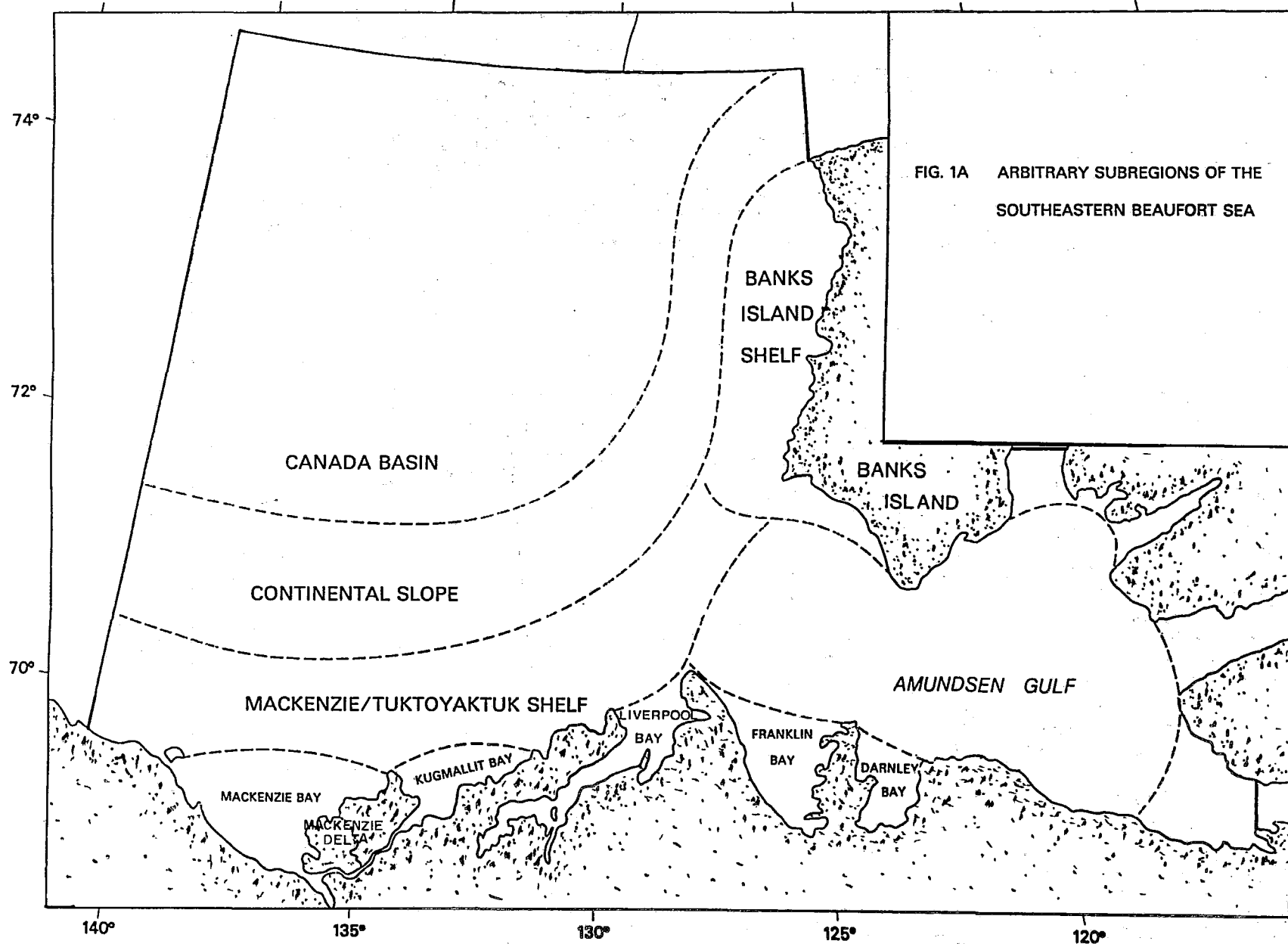


Figure 1a. Arbitrary subregions of the southeastern Beaufort Sea.

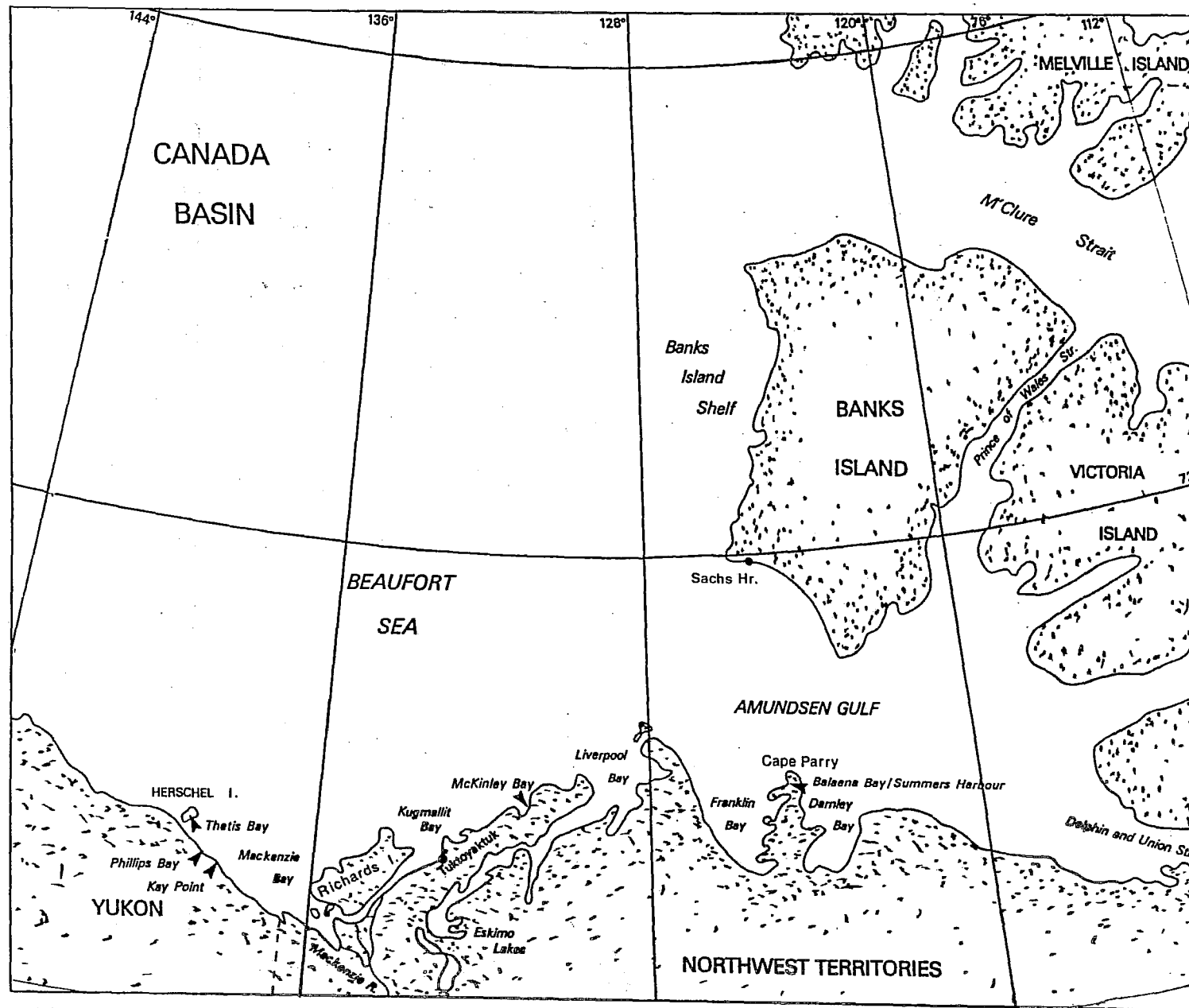


Figure 1b. Place names of the study area.

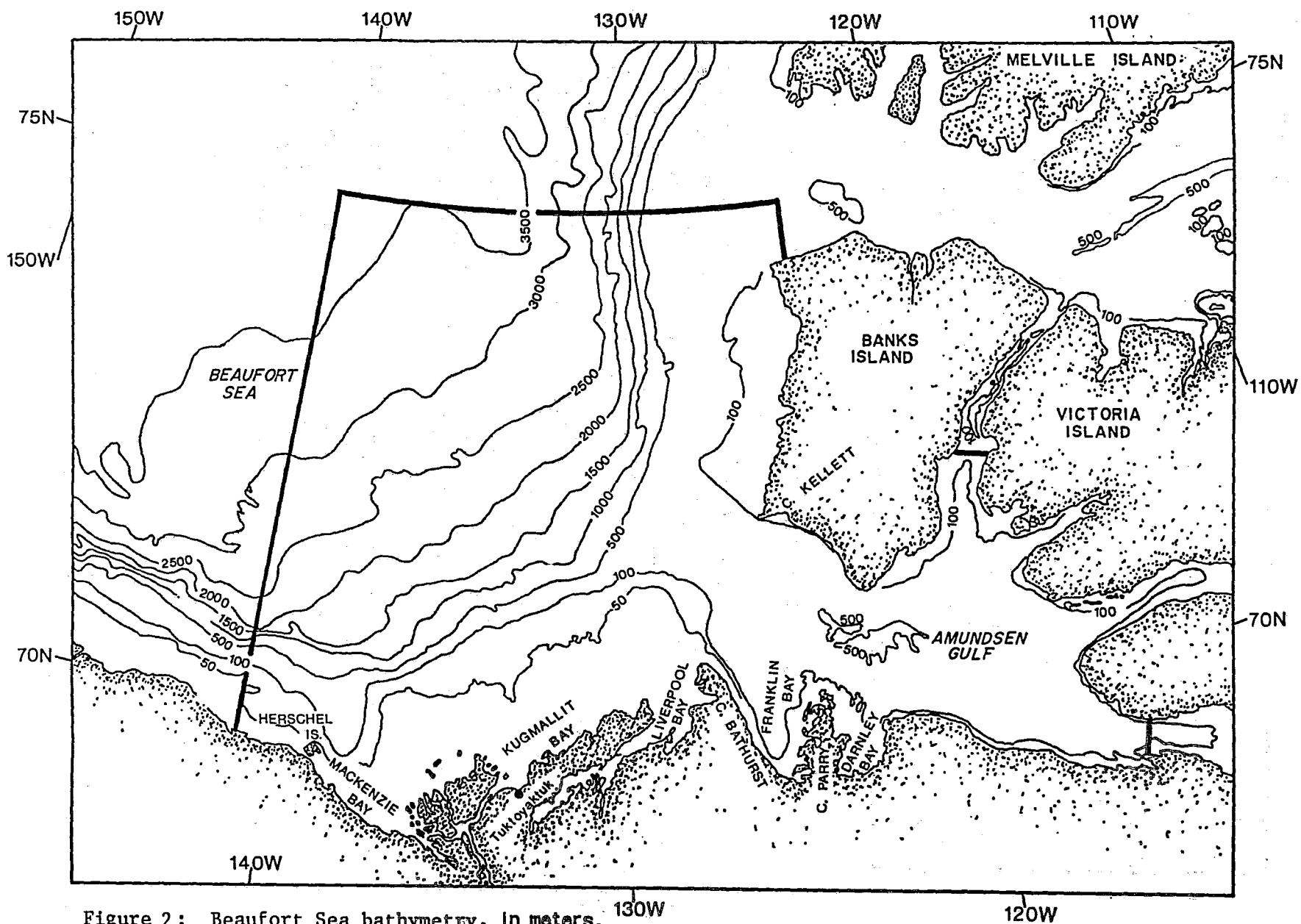


Figure 2: Beaufort Sea bathymetry, in meters.

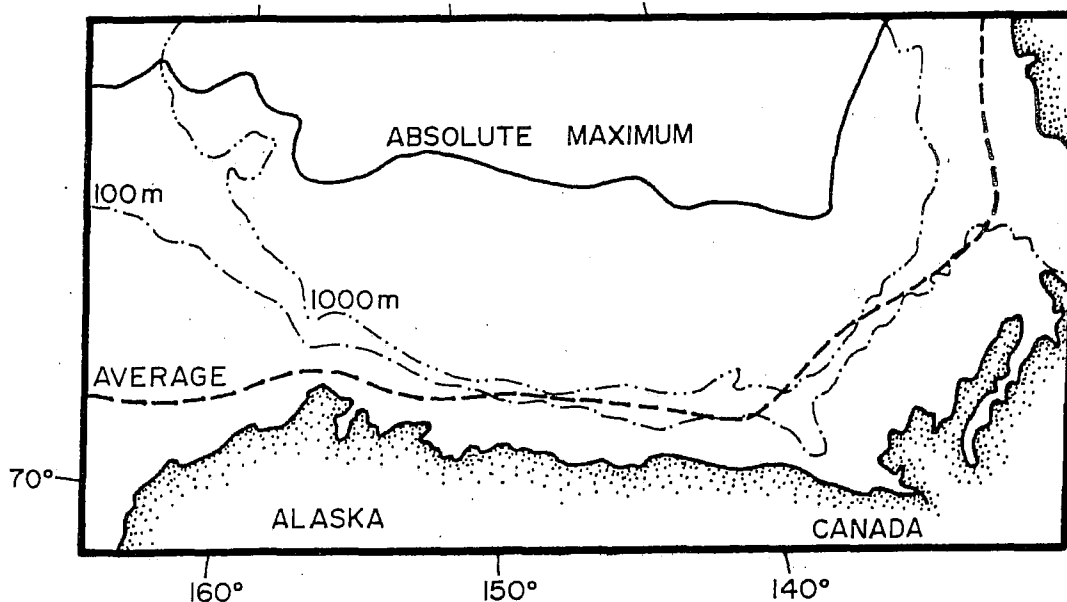


Figure 3. The average and maximum retreat of the pack-ice in summer.

The deep portions of the Beaufort Sea contain the three water masses which make up the Arctic Ocean (Coachman & Barnes, 1961). The surface layer of Arctic Water is below 0°C in temperature, quite dilute, and well mixed down to about 50 m. Salinity increases quickly with depth to 150 or 250 metres, at which depth the second water mass, the Atlantic Water is found. The Atlantic Water extends to about 900 m and has temperatures of about 0°C and salinities of 34.5 to 35.0/‰. Below 900 m is the Bottom Water, with temperatures below 0°C and salinities between 34.93 and 34.99/‰. In the areas of the Beaufort Sea where open water occurs in the summer, the near-surface portion of the Arctic Water becomes further diluted by melting ice and runoff, and is warmed by the sun. The Mackenzie River supplies a large volume of fresh water to the continental shelf, and its influence occasionally extends to the entrance of Amundsen Gulf.

The surface circulation over the deeper portions of the Beaufort Sea is dominated by the Beaufort gyre which moves clockwise over the Canada Basin. Over the continental slope, and seaward of about the 50 m isobath, an easterly flow exists, termed the Beaufort Undercurrent by Aagaard (1984). The circulation on the continental shelf is much more complex and depends chiefly on the wind and the outflow of the Mackenzie River.

### 3. HISTORICAL BACKGROUND

#### 3.1 EARLY HISTORICAL DATA

Information on the physical oceanography of the southeastern Beaufort Sea collected before the 1950's was usually incidental to other purposes, such as geographical exploration, and therefore tends to be less reliable

and complete than later data collected expressly for oceanographic research. The first oceanographic information was likely collected by the local Inuit population in anecdotal form. When European ships began to enter the area in the 1850's, often in pursuit of whales, surface temperatures were sometimes measured and currents were deduced from observed ship drift under calm winds (Collinson, 1889; Cook, 1926; Bodfish, 1936). Scientific expeditions to the area were undertaken after the turn of the century, with the most notable of these being the expeditions led by Stefansson (1921) from 1913 to 1917. Since the primary scientific objectives encompassed many disciplines, only limited information on currents and water properties was obtained. More recently, surface temperature and salinity data were collected by Captain Larsen of the R.C.M.P. using the vessel St. Roche in 1935 and 1937 (Tully, 1952), Figure 4.

### 3.2 POST-WORLD WAR II DATA

Following the Second World War, defence requirements led to several oceanographic cruises to the area using both Canadian and American icebreakers. For the first time, sufficient oceanographic data, consisting primarily of vertical profiles of temperature and salinity at many different locations, were collected to describe the circulation of the area. However, the description was based on indirect methods, either the dynamic method (Fomin, 1964) or methods using the horizontal distribution of water properties as tracers of water movements. Some direct measurements of currents were collected from the icebreaker cruises, but these were of such a short duration (from a single reading to a period of several hours) that the values could not be taken as being representative of the net circulation.

By the early part of the 1960's, large-scale oceanographic cruises to the area became increasingly rare. However, cruises in small vessels concentrated in the nearshore areas (often as part of biological studies) collected a considerable amount of shallow water temperature and salinity data (Figure 4).

During the early 1970's two large projects, AIDJEX and the Beaufort Sea Project, were responsible for large amounts of data being collected in the Canada Basin and Beaufort Sea, respectively. The AIDJEX (Arctic Ice Dynamics Joint Experiment) program focused on the interaction of the ocean, sea-ice and atmosphere. The Beaufort Sea Project's goal was to provide the necessary environmental knowledge required to determine the conditions and restraints under which exploratory drilling would be allowed to commence in 1976.

In the late 1970's and continuing into the 1980's, most oceanographic surveys were carried out as part of the search for oil and gas in the Beaufort Sea. These programs made use of modern oceanographic instrumentation for the first time in this area, including self-recording current meters to provide long-term direct measurements of currents, and continuous profiling CTD (Conductivity-Temperature-Depth) probes. Both government and oil industry groups were involved in collecting data.



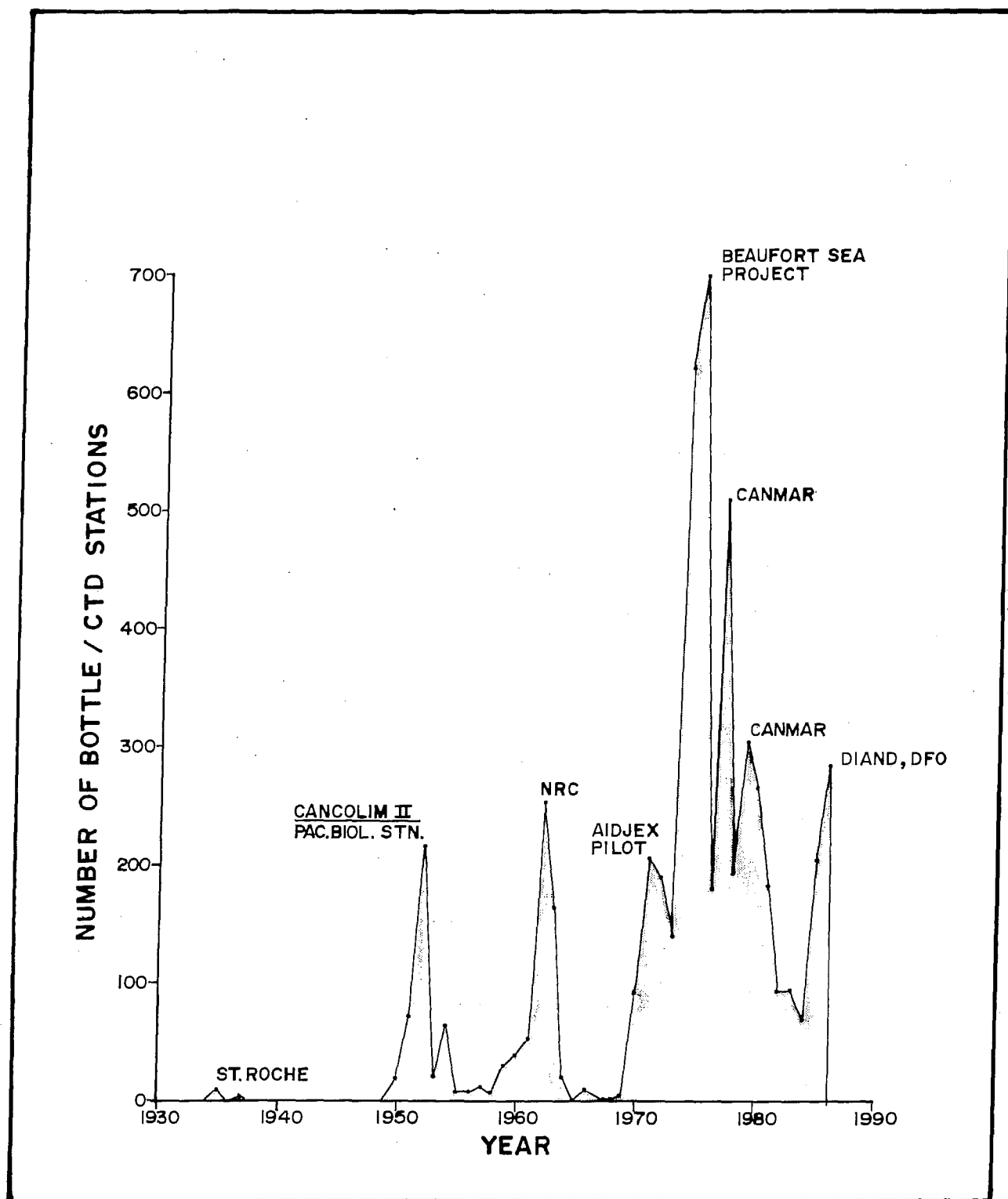


Figure 4. Level of oceanographic effort, based on the number of bottle-CTD stations per year. The primary vessels/agencies responsible for peaks in activity are indicated.

#### 4. GENERAL REPORT LAYOUT AND USER INSTRUCTIONS

##### 4.1 DATA SETS

In this catalogue, the data are organized in sets, where each set consists of data of a common type, usually taken on a single expedition or cruise by a single institution or organization. In some cases, where similar methods were used, more than one cruise has been assigned to the same data set. In those cases, letter suffixes have been used to differentiate different cruises. Thus, unless otherwise noted, all the data within a single set may be assumed to have been collected in a uniform manner and should conform to a common standard of measurement.

Each data set has been assigned an identification number of the form yy-nnnn, where yy = last 2 digits of the year in which data were collected and nnnn = order of identification for that particular data set, for that year. The data-set number is a unique identifier which applies throughout the entire series of ADCAP inventories; any set identified, for example, as 72-0009 is the same data set no matter where the reference to it is made. Gaps may appear in the sequence of data-set numbers in this inventory for a particular year, because each data set will not appear in every discipline and geographical area.

The identification numbers are often accompanied by the vessel and/or agency involved. Usually the agency refers to the one responsible for data collection, as this is often a better indicator of data quality than the name of the group which funded the project.

##### 4.2 INVENTORY ORGANIZATION

Table 1 (Section 8) lists all the data sets in the inventory in order of data-set number. It provides a summary description of each set including the times, areas and methods of measurements. Table 1 also gives a listing, not necessarily complete, of concurrent measurements from other disciplines.

Geographical and measurement type indexes are in Section 10. The subareas in the geographical index are shown on the maps in Figures 1a and 1b. Section 10 also contains an index of references, ordered by data-set number. It is primarily an index of data reports, although ancillary papers analyzing or discussing the data are listed if they came to our attention.

Measurement locations are plotted in a series of maps in Section 9. Five different maps, all in Lambert Conformal Conic projection, have been used to plot stations. In most cases, the overall map of the entire study area is used, along with one or more of the larger-scale maps. The coastlines have been smoothed, and small islands removed, to avoid clutter. Map specifications and a key to the symbols on the maps are presented at the beginning of Section 9.

Detailed listings of the times and locations of individual measurements are in Section 11. There is a separate listing for each data type. The format of the listings is explained at the beginning of Section 11.

Data sets were rated according to the criteria in Section 5. The ratings are included in Table 1. Appendix 1 contains comments explaining the reasons for low ratings, and any other pertinent remarks concerning the data. The comments are ordered by data-set number.

Section 6 contains a general description of the extent of the data available in this area. Sections 6.1 and 6.2 describe their geographical and seasonal distribution. Section 6.3 tabulates instances of repeated measurements in the same area and groups data-sets where measurements were carried out simultaneously, in different areas, or by different agencies.

#### 4.3 SAMPLE USE OF THE INVENTORY

A typical use of the Inventory might be as follows:

1. Examine the maps in Section 9 for measurements during the year(s) of interest, and note the data-set number of interest.
2. Refer to Table 1 to find the dates, measurement methods, accuracies and data sources.
3. If more specific information is required concerning the timing or location of individual measurements in the set, refer to the header listings in Section 11.
4. Consult the reference index in Section 10 for works referring to or using the data.

### 5. DATA RATING AND APPRAISAL

#### 5.1 TYPES OF DATA

##### 5.1.1 BOTTLE CAST DATA

These data consist of temperature and salinity measurements at discrete depths (ideally the international standard depths) obtained by means of reversing thermometers and sampling bottles. Temperature accuracies of  $\pm 0.01^{\circ}\text{C}$  may be achieved by averaging two or more carefully read, well-calibrated thermometers. Some investigators have used hydrometers ( $\pm 0.2^{\circ}/\text{oo}$ ) and refractometers ( $\pm 0.5^{\circ}/\text{oo}$ ) for the determination of salinity. Up to 1960 salinity was usually obtained by titrating water samples drawn from the bottles; replicate titrations in the hands of a good operator could yield results precise to  $\pm 0.01^{\circ}/\text{oo}$ . In the 1960's, salinometers measuring salinity via the conductivity of the sample replaced titrations. A precision of  $\pm 0.003^{\circ}/\text{oo}$  can be obtained with the better instruments, although in the past, systematic errors of  $\pm 0.02^{\circ}/\text{oo}$  or more could be introduced by variations in the standard water used to calibrate the instruments. New international standards for salinity should eliminate the latter source of error (Lewis, 1980).

### 5.1.2 CTD DATA

CTD data are produced by in-situ profiling instruments variously called STD (salinity-temperature-depth), STP (salinity-temperature--pressure), CTD (conductivity-temperature-depth) or CTP (conductivity--temperature-pressure) profilers. Fundamentally, all are CTP devices; the variations in output and name depend solely upon the degree of internal data processing. All instruments perform the same basic function of measuring (more or less continuously) temperature and conductivity as a function of depth. The precision achievable with such devices depends upon the individual instrument. The best are capable of a precision of  $\pm 0.005^{\circ}\text{C}$  and  $\pm 0.005^{\circ}/\text{oo}$ , although accuracy in salinity, until recently, was limited to approximately  $\pm 0.02^{\circ}/\text{oo}$  because of the inconsistencies in salinity standards and definitions (Walker and Chapman, 1973).

### 5.1.3 BATHYTHERMOGRAPH

The bathythermograph (BT) is a thermo-mechanical device which measures water temperature as a function of pressure. Its information is recorded as a trace, on a smoked-glass or gold-coated slide, which can be read to an accuracy of  $\pm 0.2^{\circ}\text{C}$  and  $\pm 2$  m depth if the instrument is well calibrated. The BT was widely used in conjunction with bottle casts but has largely been superseded by the CTD. XBT's are the expendable variety. BT data have not generally been compiled, unless they were accompanied by other physical oceanographic measurements.

### 5.1.4 SELF-RECORDING CURRENT METERS

By the 1970's, oceanographers could practically and reliably place and recover self-recording current meters in the water column. Meters of this type generally record internally on magnetic tape (in some models photographic film or paper charts are used), or telemeter the data to a ship or to a shore receiving station. They generally provide time series of current speed and direction, and may have other sensors (for measuring temperature, pressure or conductivity) as well. Current speed and direction are usually measured by one of two methods: either by a propeller or rotor for measuring speed and a vane for direction sensing, or by the measurement of two orthogonal components of the current flow. Current components may be measured by dual-orthogonal propellers, or by electromagnetic or acoustic sensors. Directional reference is usually provided by a magnetic compass. Commonly used instruments employing the propeller and vane system are the Aanderaa, HydroProducts, Endeco and AMF (vector-averaging) current meters; those employing the component-measuring system are the Cushing and Marsh-McBirney instruments (electromagnetic), the Neil Brown (acoustic), and the Davis-Weller (orthogonal-propeller) instruments.

The precision and accuracy of current meters depend both on the design of the instrument, and on the environment in which it is used. Serious problems may be encountered if rotor-type meters are used in the wave zone. Calibration drift and sensor fouling can interfere with satisfactory operation of electromagnetic and acoustic sensors. The sampling frequency and integration period selected for the meter can also affect the accuracy of the record. In the Canadian Arctic, special

problems in direction measurement are encountered when using any type of current meter because of the proximity of the magnetic pole. Directional accuracies are generally degraded unless the current meter is oriented by rigid moorings to a fixed surface.

#### 5.1.5 PROFILING CURRENT METERS

These current meters provide a series of point measurements of current speed and direction at several depths throughout the water column. Meters used for this purpose are generally of the propeller or rotor and vane design. Measurements usually are taken through the ice or from an anchored ship in shallow water. In water too deep for anchoring, a very good positioning system is required to correct for ship movements. Unless repeated profiles were taken so as to form a time series, this type of data was not generally catalogued.

#### 5.1.6 RADAR OR AIRCRAFT-TRACKED DRIFTERS

This type of drifter usually consists of a float (with or without a drogue) and a radar reflector or visual marker. These devices can be tracked visually or by radar from shore or from a ship or aircraft. The accuracies achievable depend upon the tracking system used, and can be very good if a sophisticated system is available. Data of this type are often limited in their coverage in space and time, and may have gaps resulting from bad weather.

#### 5.1.7 SATELLITE-TRACKED DRIFTERS

Satellite-tracked drifters are a comparatively recent invention, dating from the early 1970's. Widespread use of these devices began after the launch of the Nimbus VI satellite carrying the Random Access Measurement System (RAMS) in 1975. In early 1979, the TIROS-N satellite was launched, activating Service ARGOS which is now used to track all such devices.

Both RAMS and System ARGOS compute position from the Doppler shift of a signal transmitted from the buoy to the satellite. On each pass of the satellite, the position (and any other data being measured) is received and sent to a ground facility where the data are processed. The RAMS system produced positional accuracies of approximately  $\pm 2$  km whereas recent ARGOS positions are accurate to  $\pm 500$  m or better.

#### 5.1.8 AIRCRAFT AND SATELLITE-DERIVED SEA-SURFACE-TEMPERATURES

Aircraft and polar-orbiting satellites have been used to provide images of sea-surface-temperature (SST), based on the thermal infrared radiation received by the air-borne sensors. Such images are particularly useful in the Beaufort Sea since they help map the Mackenzie River plume and also pinpoint areas of upwelling. This technique has generally been used only within the last couple of years, often in conjunction with boat-based surveys. Such surveys will be identified in Table 1 as having airborne SST images available.



### 5.1.9 WATER-LEVEL GAUGES

Water-level data are produced mainly by visual observation of tide staffs, by mechanical shore-mounted float-type gauges, or by bottom-mounted pressure gauges. Some early data consist only of observations of the times of high and low water levels. Pressure gauges may be self-contained, or they may consist of a pressure sensor connected to a shore-mounted recording device. The mechanical gauges record by means of a pen on chart paper. The data are usually digitized at hourly intervals, resulting in a record with a resolution of approximately  $\pm 1$  cm, and an accuracy of the order of  $\pm 5$  to 10 cm. The resolution of the bottom-pressure gauges varies from a millimetre to a centimetre, depending upon the instrument type and range. Sampling intervals generally vary between 5 and 60 minutes. Bottom pressure gauges generally record total pressure, atmospheric plus hydrostatic. In order to extract the water level fluctuations due to changing atmospheric pressure (i.e. the inverted barometer effect), the atmospheric pressure must also be recorded. The Canadian Hydrographic Service (CHS) has collected most of the water-level data.

Water levels are referenced to the elevation of a nearby benchmark. Therefore different data sets may be compared in an absolute sense as long as they are referenced to the same benchmark. Water level data from different areas, referenced to different benchmarks, cannot be compared absolutely, since the relative elevation changes between different benchmarks is generally not known. One can determine a long-term average for each record and compare fluctuations about this average however.

### 5.1.10 WAVE RECORDERS

There are three basic types of wave-measuring devices for measurement from a single point:

- a) Surface-piercing instruments. These are fixed relative to the water level and measure surface motion using various methods such as the change in capacitance of a vertical wire.
- b) Pressure-measuring devices. Ocean waves produce measurable pressure fluctuations beneath them which, under proper conditions, can be related to wave height.
- c) Instruments which measure the vertical acceleration of the water surface. When integrated twice in time, the vertical acceleration yields sea-surface elevation relative to the mean.

In shallow water, types a) and b) are generally used, whereas type c) is more suited to deeper waters. Most wave-data in the Beaufort Sea have been obtained using Waverider acceleration-type buoys. This buoy, manufactured by Datawell of the Netherlands, follows the movement of the water surface and measures the vertical acceleration. Datawell specifies maximum errors of 1.5% (0.065 to 0.5 Hz range) and deviations from the zero of less than 0.5 m.

Surface following buoys are subject to damage and loss due to ice in the Beaufort Sea. Recently there has been more effort in obtaining wave data using bottom mounted pressure sensors such as those manufactured by Sea Data. The advantage of this method is that the instrument is away from the hazardous surface environment. These instruments also often record tidal and temperature data.

## 5.2 DATA RATING SCALE

### 5.2.1 RATING DEFINITIONS

The data appraisal in this inventory is intended to provide the reader with an indication of the quality of each data set and its suitability for comparison with other data sets. The appraisal was based primarily on documentation describing the methods used in collecting and processing the data and the investigator's estimate of their precision, accuracy and utility. Subsequent analyses of the data were also taken into account, e.g. if errors were found in a particular data set during a subsequent analysis, and the results were published, these results were used in the assessment. Note that a thorough appraisal, requiring investigation of the data and comparisons with other data sets, is beyond the scope of this report. In effect, in most cases we took the investigator's word for the quality of his data.

The information from the sources above was used to assign a numerical rating to each set. The rating system has five levels, defined as follows:

- 0: Data were found to be wrong.
- 1: Data are suspect and probably not internally consistent; trends or patterns within the data are not likely real.
- 2: Data quality could not be determined due to insufficient support documentation.
- 3: Data are internally consistent - patterns or trends within the data themselves are probably real, but comparison with other data sets may pose problems.
- 4: Data are internally consistent and exhibit sufficient standardization that comparison with other 4-rated data should be possible.

Justification for poor ratings, 0 or 1, are provided in the comments in Appendix 1.

## 5.2.2 ASSIGNMENT OF RATINGS

### 0 RATING

A data set received a 0 rating if serious deficiencies in technique, or significant systematic errors, occurred. A 0 rating was also assigned if the documentation of the data set lacked essential information (e.g. the positions and times of measurements) which no longer exists.

For example, some data sets contain conductivity measurements but not temperature. Since it was not possible to compute salinity from this information, the data sets received ratings of 0.

### 1 RATING

A data set received a 1 rating if, either as part of a data report or in subsequent analysis and examination, the original or other investigators questioned the validity of the data without pinpointing specific errors. In general, a 1 rating was assigned if a data set exhibited an atypical distribution of values, or indicated unlikely physical processes, but contained no obvious errors. Such data sets require careful examination before use.

Such a case is 64-0003. The water-level data were considered suspect by Henry & Foreman (1977), and not used in their analyses. Accordingly this data set was assigned a rating of 1.

### 2 RATING

Ratings of 2 were given to data sets for which it was not possible to carry out an appraisal. Such cases include:

- (i) Proprietary data, whose existence is known, but about which no details are available.
- (ii) Data sets for which we were unable to obtain documentation but know that data were collected. These data sets are identified and wherever possible the title of the documentation is provided.

### 3 RATING

Data received a 3 rating if they were internally consistent within the precision of the methods used to collect the data. Precision refers to the degree of random fluctuation experienced when a measurement is repeated many times, while accuracy is the departure of the measurement (or the mean of a series made under controlled conditions) from the true

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<sup>1</sup> Note that this definition has been modified from that used in the original Beaufort Sea physical inventory (Volume 1 of the Arctic Data Compilation and Appraisal Series), in order to emphasize that data sets assigned a 0 rating are either wrong or of very limited value due to lack of documentation.

value. Because oceanographic data are normally taken without replication and under uncontrolled conditions, data taken with instruments of a certain precision will have the same (or poorer) level of accuracy. An exception is the case of a series of temperature-salinity measurements taken within a water body of stable, well-defined characteristics, in which case the mean of the series could provide a measurement more accurate than the precision.

Ratings of 3 were given to all data sets for which no evidence of errors beyond the precision given in Table 1 was found, but which did not satisfy each of the criteria required for a rating of 4 (see below). This is based on data reports and other publications; the actual data were not checked further. In some instances, the instrument and/or precision and accuracy were unknown, but the collecting agency used standardized methods; these data sets were generally awarded a 3 rating when there was no evidence suggesting deficiencies in the data.

Caution should be exercised when comparing two sets of 3-rated data, as their levels of precision may be quite different. The reader should consult both Table 1 and Appendix 1 for precision and error information.

#### 4 RATING

Data received a rating of 4 if: they were measured to the precision available with modern methods described in Section 5.1; they had no evidence of systematic or other errors recorded in the documentation; and they were obtained using measurement instrumentation, methodology and techniques which provide data that can be related to national or international standards.

Since standards tend to change, ratings of 4 were only grudgingly awarded. In many cases, ratings of 3 were assigned because of lack of time and/or sufficient documentation to be certain that a rating of 4 was warranted. Some of these ratings may merit an increase to 4 after further study of the data has been made.

Of all the physical oceanographic data that were inventoried, the bulk of the data is temperature/salinity measurements. Until the early 1960's, water samples were collected by bottle cast and salinities were determined by titration. During most of the 1960's, salinities were generally determined using conductivity bridges. From the late 1960's on, instruments which measured conductivity and temperature in situ (CTDs) became the standard. Salinity was then computed from the temperature and conductivity values.

CTDs with increased resolution have revealed gradations in salinity where previous chemical analyses indicated homogeneous water. Since both bottle and CTD data may have ratings of 3, caution must be used in any comparison.

Salinity determination depends on a standard. In the past this was 35<sup>0</sup>/oo Copenhagen water. However, variability in the standard and in the calibration of the instrumentation often resulted in systematic errors of  $\pm 0.2^{\circ}$ /oo or more.

A new, practical salinity scale has recently been adopted (Lewis, 1980). A conductivity ratio is measured (the conductivity of the unknown to that of a standard laboratory-produced sample) and waters of the same conductivity ratio at a given temperature and pressure are then defined to have the same salinity. This reduces systematic errors in salinity. However, most of the historical data remains subject to a  $\pm 0.2$ ‰ accuracy limitation.

Current-meter data were judged by the instrument characteristics, response, and the deployment methods. The main causes of low ratings are directional errors and contamination by mooring motion and wave-orbital velocities.

## 6. SUMMARY OF DATA COVERAGE

### 6.1 SPATIAL COVERAGE, INCLUDING DATA DISTRIBUTION MAPS

The locations of all measurements compiled to date are summarized for bottle/CTD (Figure 5), current-meter and water-level (Figure 6), and wave data (Figure 7).

The location maps of all temperature-salinity (TS) data have been split into pre-1970 (Figure 5a), 1970-1975 (Figure 5b) and post-1975 (Figure 5c). Prior to 1970, most temperature-salinity data were obtained using bottle casts. Standard depths at which data were collected were 0, 10, 20, 30, 50, 75, 100, 150, 200, 300, 400, 500, 600 m. Most of the post-1970 data were obtained using in-situ profiling instruments having vertical resolution on the order of centimetres.

The early bottle cast data (Figure 5a) are fairly evenly distributed, but with Amundsen Gulf and the Canada Basin having received the least attention. From 1970 on, emphasis was concentrated within the shelf and coastal waters off the Mackenzie Delta and the Tuktoyaktuk Peninsula (Figure 5b,c). The reason of course, was due to the hydrocarbon exploration activity on the shelf, and studies as to the effect of the Mackenzie River on shelf processes.

Areas of particularly intensive sampling include Herschel Canyon, Mackenzie Bay, offshore of Richards Island and Kugmallit Bay, and Tuktoyaktuk Harbour. Large quantities of temperature-salinity data are also available for the northwest sector of the Canadian Beaufort Sea. These data, obtained in the AIDJEX programs of 1970, 1971 and 1975-1976, were collected from the permanent pack ice over the deep water of the Arctic Ocean.

In contrast, fewer temperature-salinity data are available for Amundsen Gulf, the continental shelf to the west of Banks Island, and the broad zone over the continental rise which separates the continental shelf from the AIDJEX study areas of 1970 and 1975-1976. The shelf and slope waters west of Banks Island are particularly lacking in temperature-salinity data.

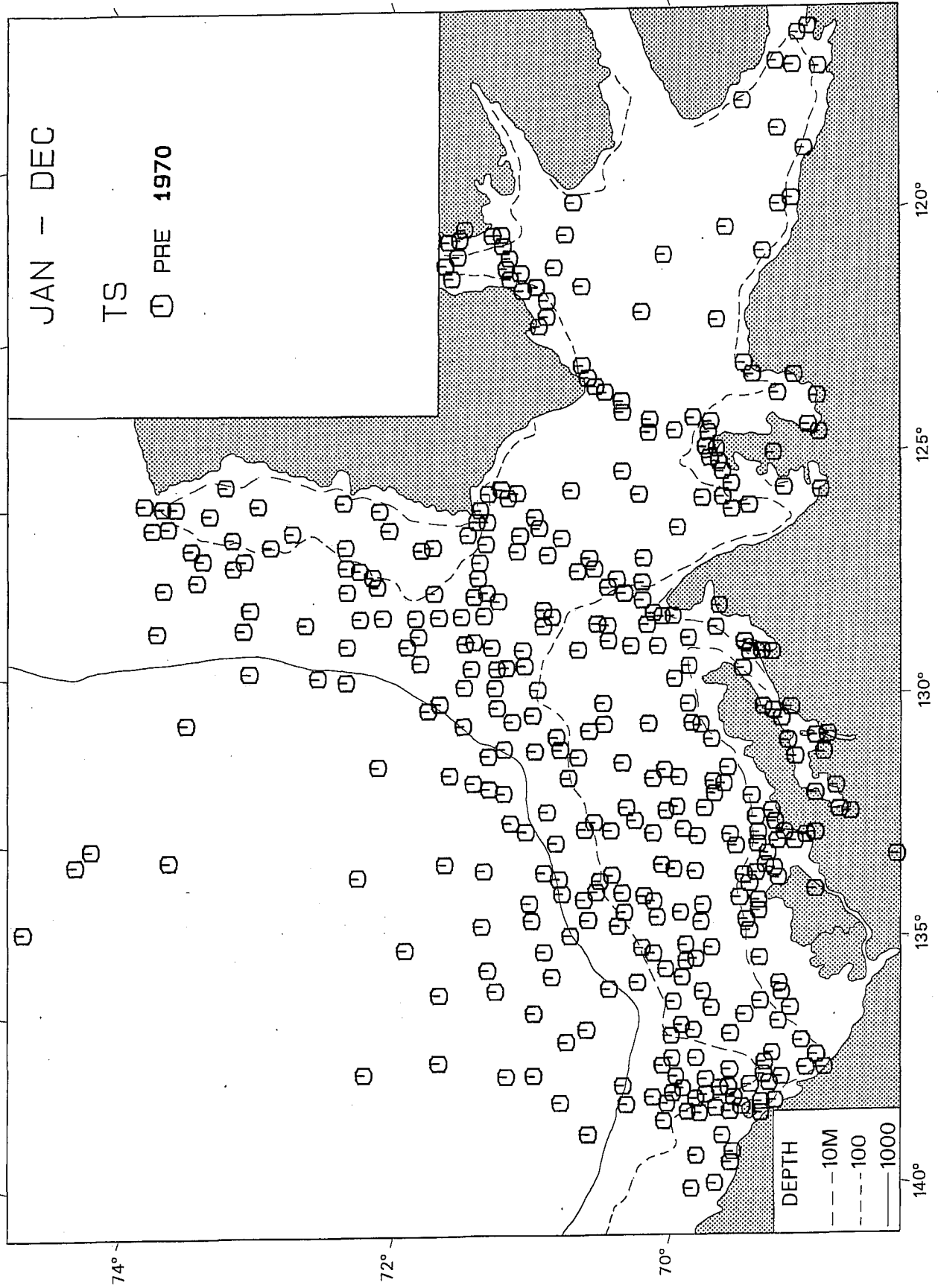


Figure 5a. The locations of all temperature-salinity (TS) measurements made prior to 1970 (997 stations.)

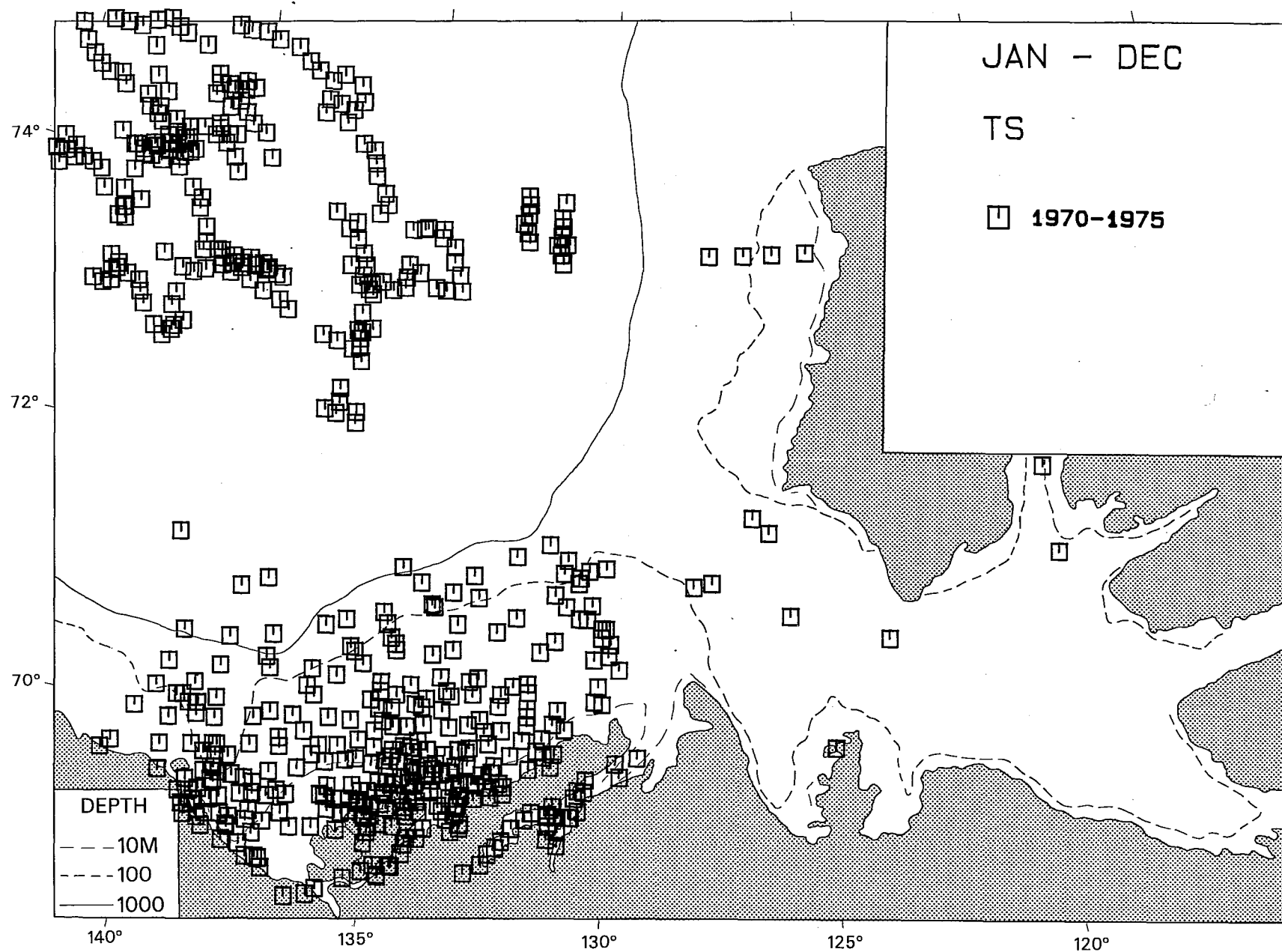


Figure 5b. The locations of all temperature-salinity (TS) measurements made during 1970-1975 (2392 stations, including 450 AIDJEX during 1975.)

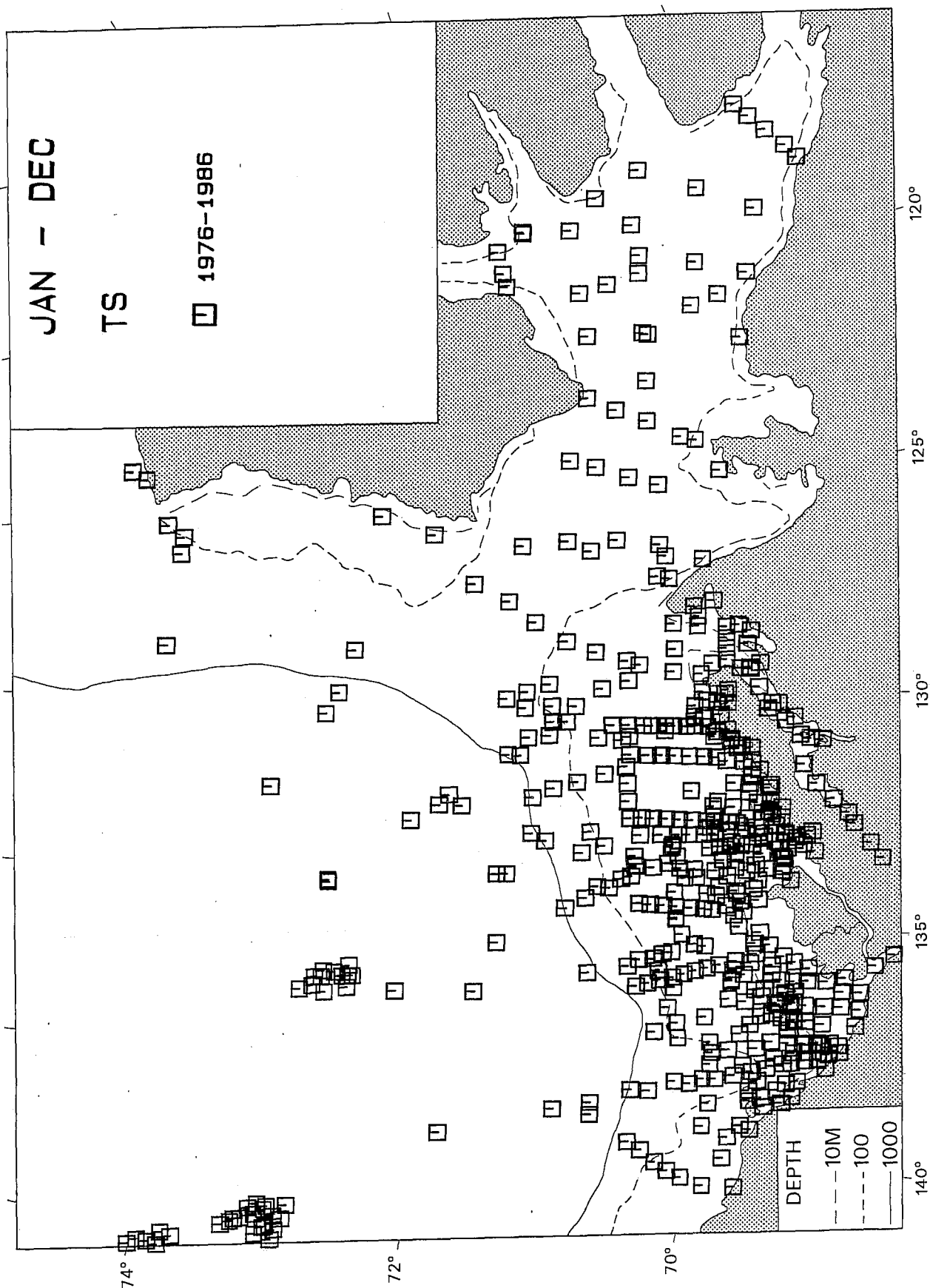


Figure 5c. The locations of all temperature-salinity (TS) measurements made during 1976-1986 (2521 stations, including 252 AIDJEX during 1976.)



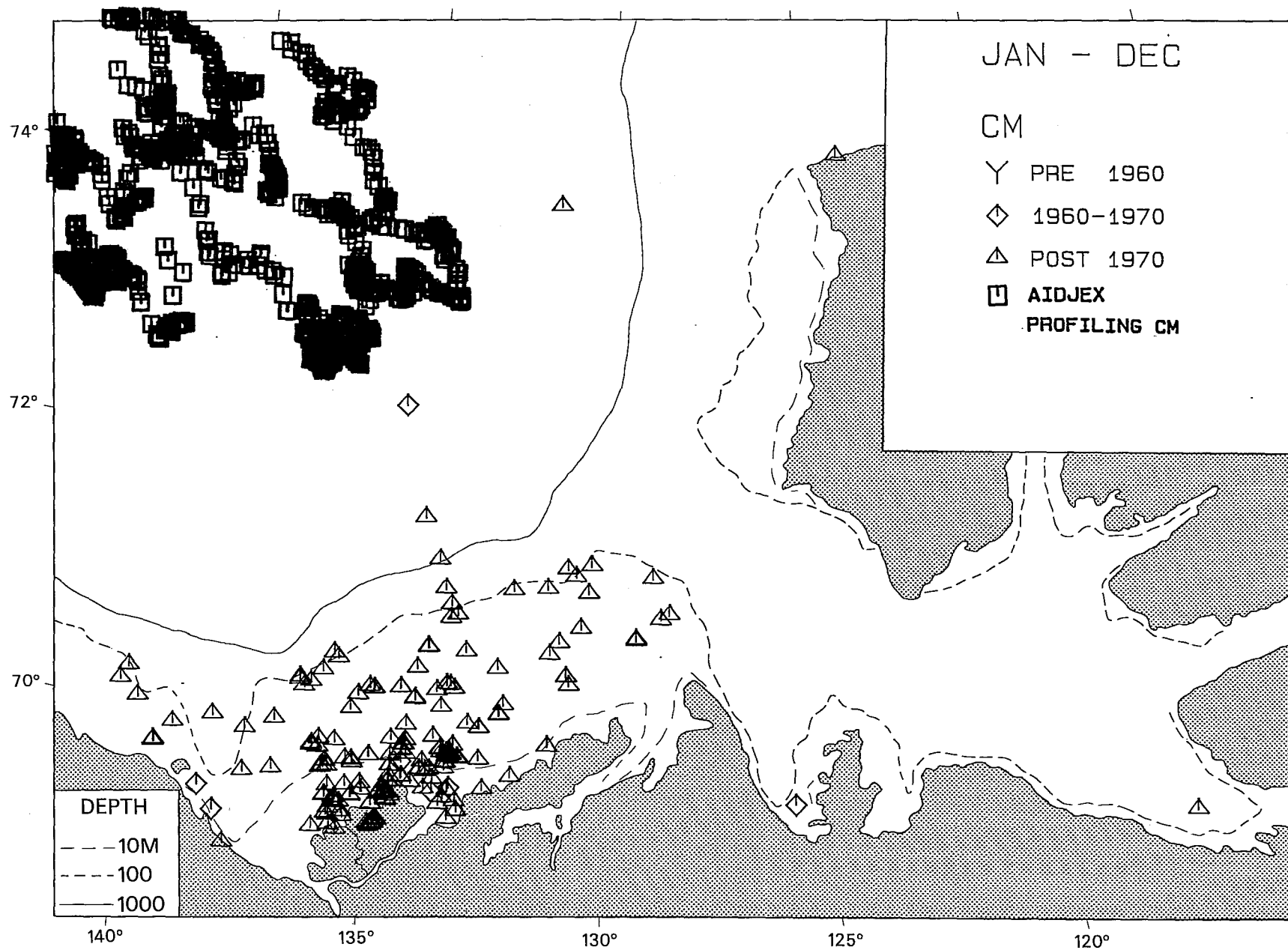


Figure 6a. The locations of all current-meter (CM) measurements (349 records).

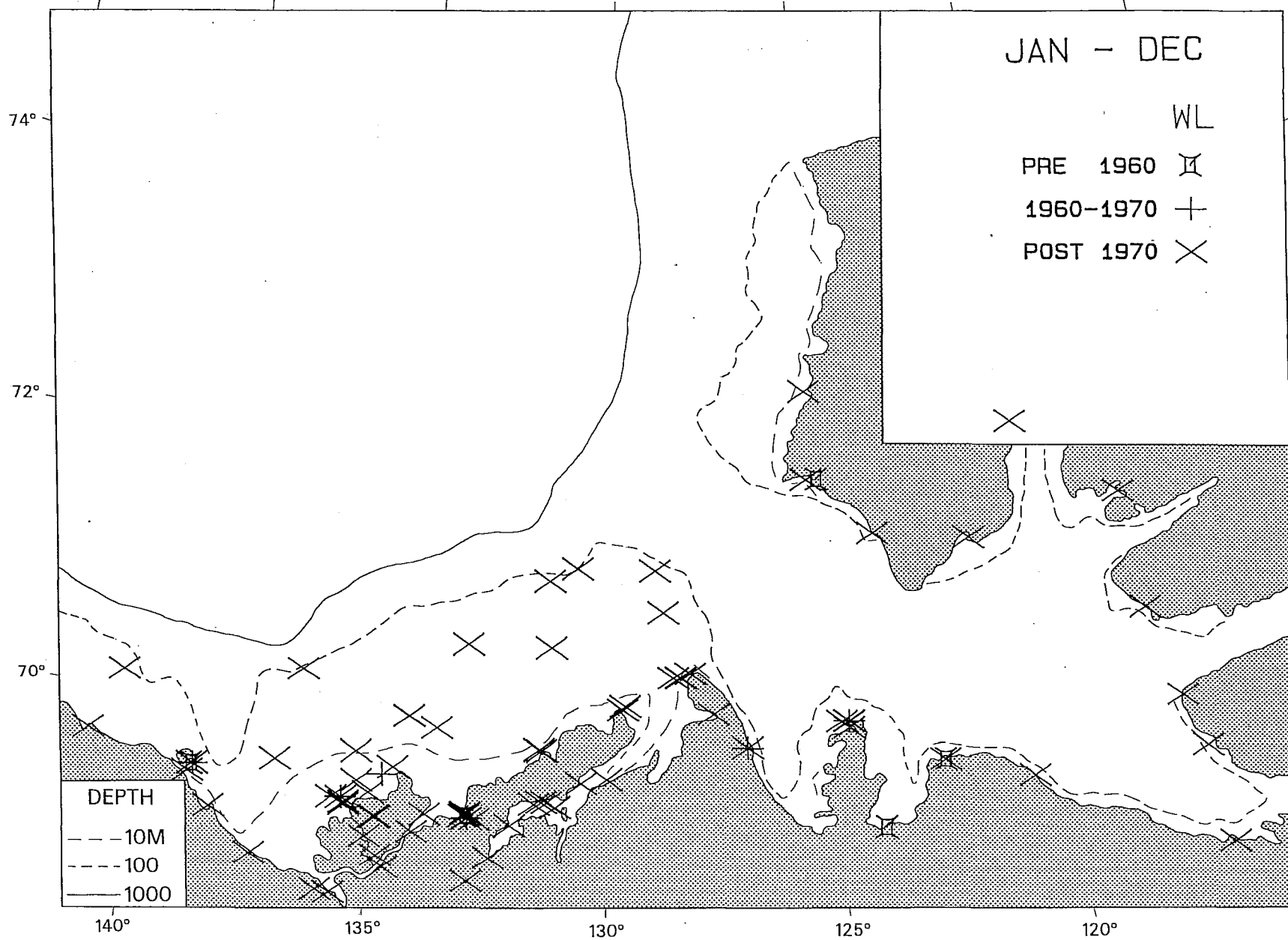


Figure 6b. The locations of all water-level (WL) measurements (243 records).

The distribution of current-meter (CM) data (Figure 6a) follows the same general pattern as the temperature-salinity data. Nearly all current data are from the Tuktoyaktuk Shelf - Mackenzie Bay region and the Canada Basin. Areas with practically no current-meter data include Amundsen Gulf and the entire continental shelf bordering western Banks Island.

Water-level (WL) data (Figure 6b) have been obtained intermittently at one coastal location, Tuktoyaktuk, since 1961. At two other coastal stations, Cape Parry and Sachs Harbour, data have been collected since 1966 and 1972, respectively. The remaining water-level data were collected at temporary stations primarily since 1972. The station distribution is concentrated along the coastline between the U.S.-Canada border and the eastern end of the Tuktoyaktuk Peninsula, but also extends around Amundsen Gulf to central western Banks Island. Water-level data have also been collected at offshore locations on the Tuktoyaktuk continental shelf using bottom-mounted pressure sensors. Very little water-level data have been collected along the northern half of the western coastline of Banks Island, in central Amundsen Gulf, or over the deep Canada Basin.

All existing wave data have been collected over the Tuktoyaktuk shelf and in Mackenzie Bay (Figure 7). This is primarily due to the stipulation by the Canadian government that the oil companies collect wave data near their drilling operations.

## 6.2 SEASONAL COVERAGE, INCLUDING BI-MONTHLY MAPS

A monthly station (Figure 8) and bi-monthly location maps (Figures 9, 10 and 11) demonstrate the seasonal and spatial distribution of available temperature-salinity, current-meter and water-level data.

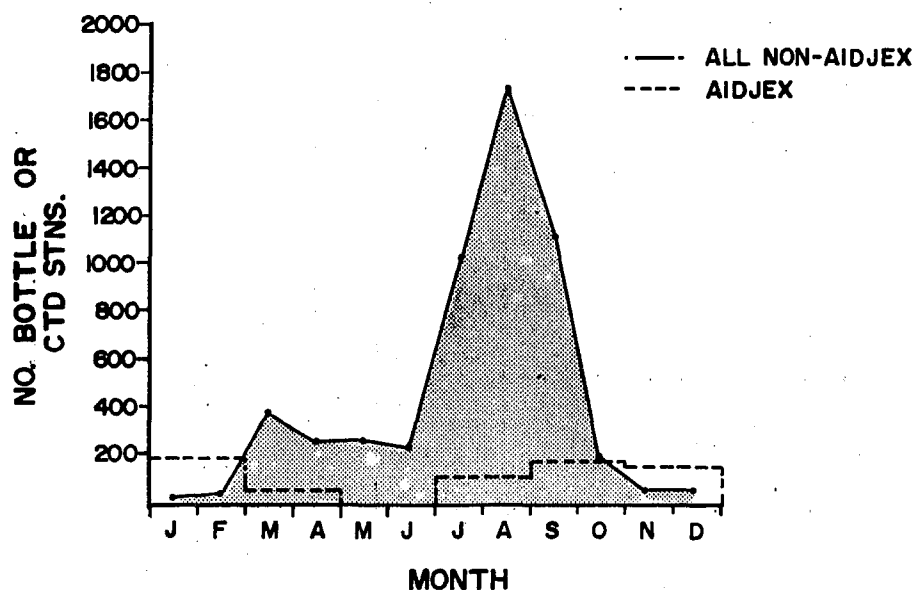


Figure 8. Monthly distribution of temperature-salinity stations, all years.

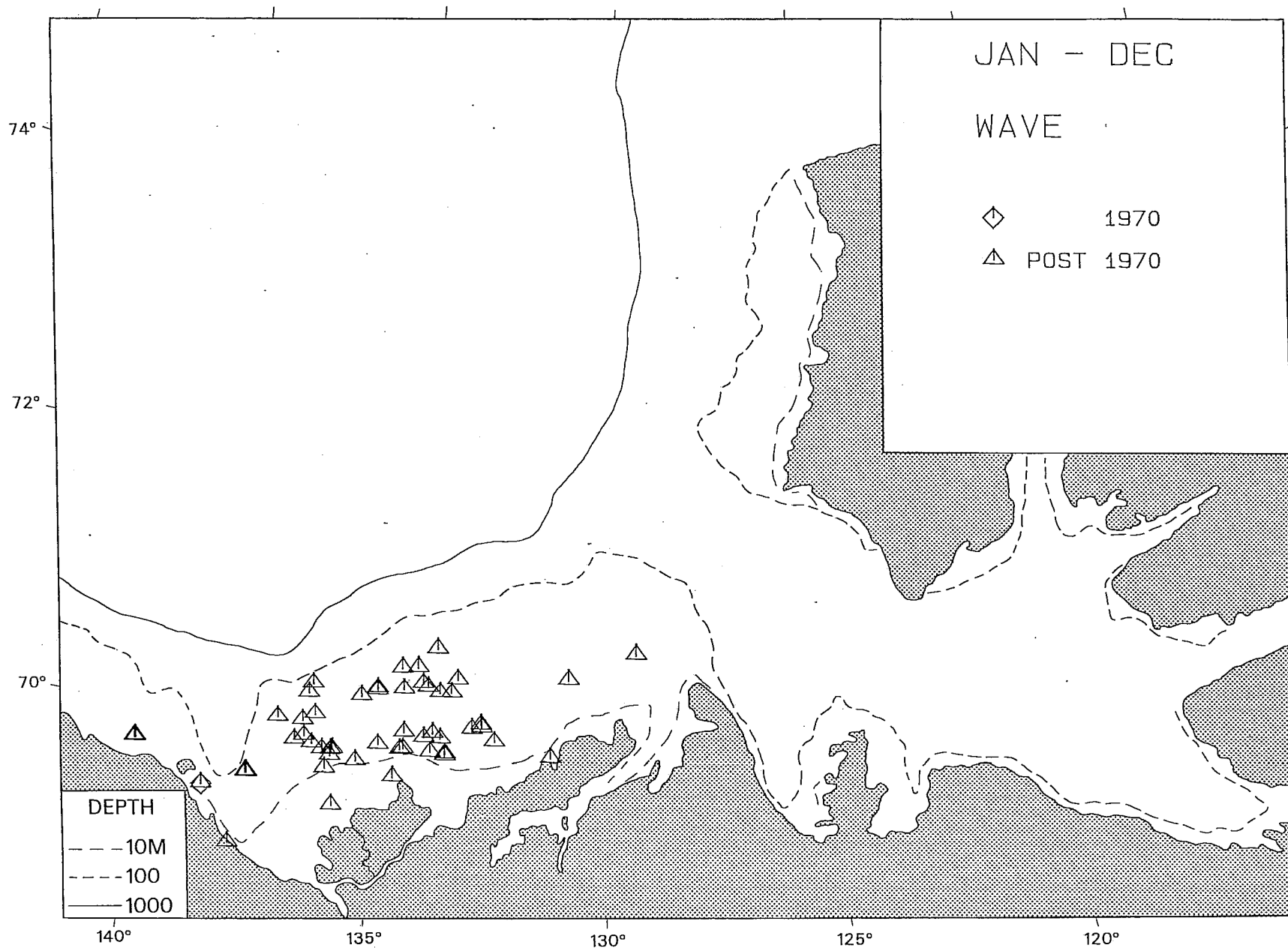


Figure 7. The locations of all wave measurements (55 records).

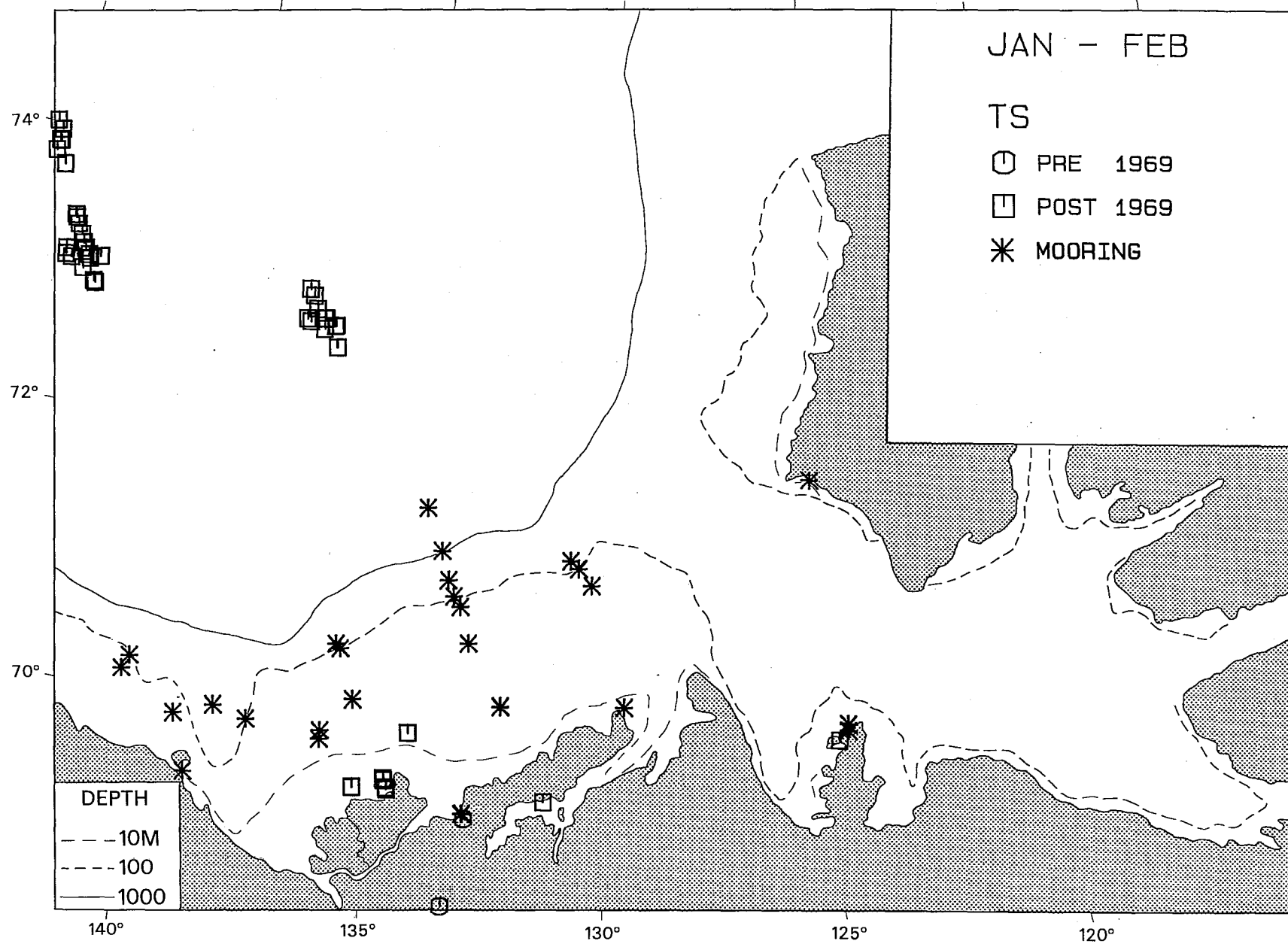


Figure 9a. The locations of temperature-salinity (TS) data collected during the January-February period, all years (239 stations, including 189 AIDJEX). Profile TS data are split as to pre and post 1969. TS data from moored instrumentation are located on the map using a star-like symbol.

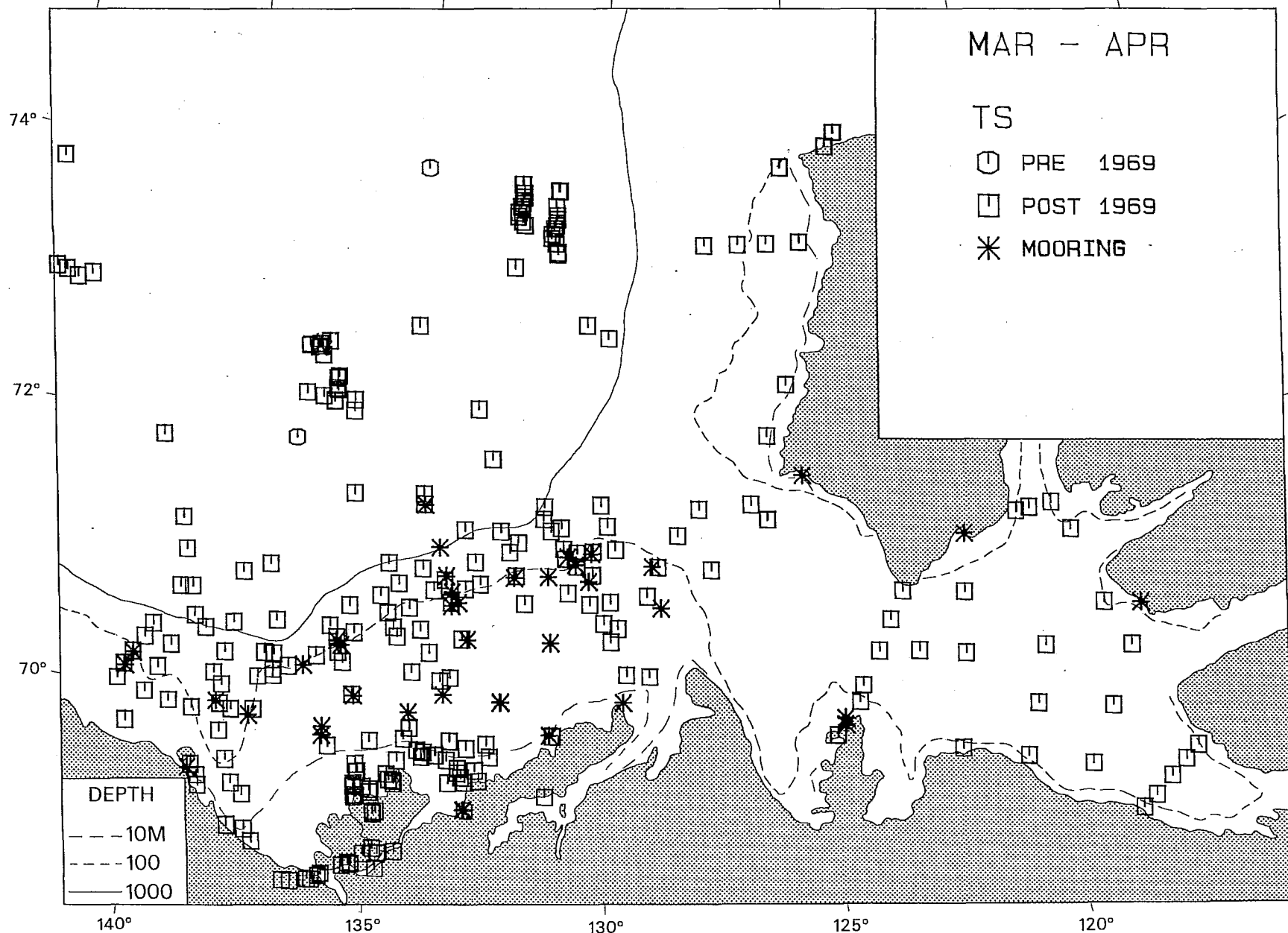


Figure 9b. The locations of temperature-salinity (TS) data collected during the March-April period, all years (698 stations, including 63 AIDJEX). Profile TS data are split as to pre and post 1969. TS data from moored instrumentation are located on the map using a star-like symbol.

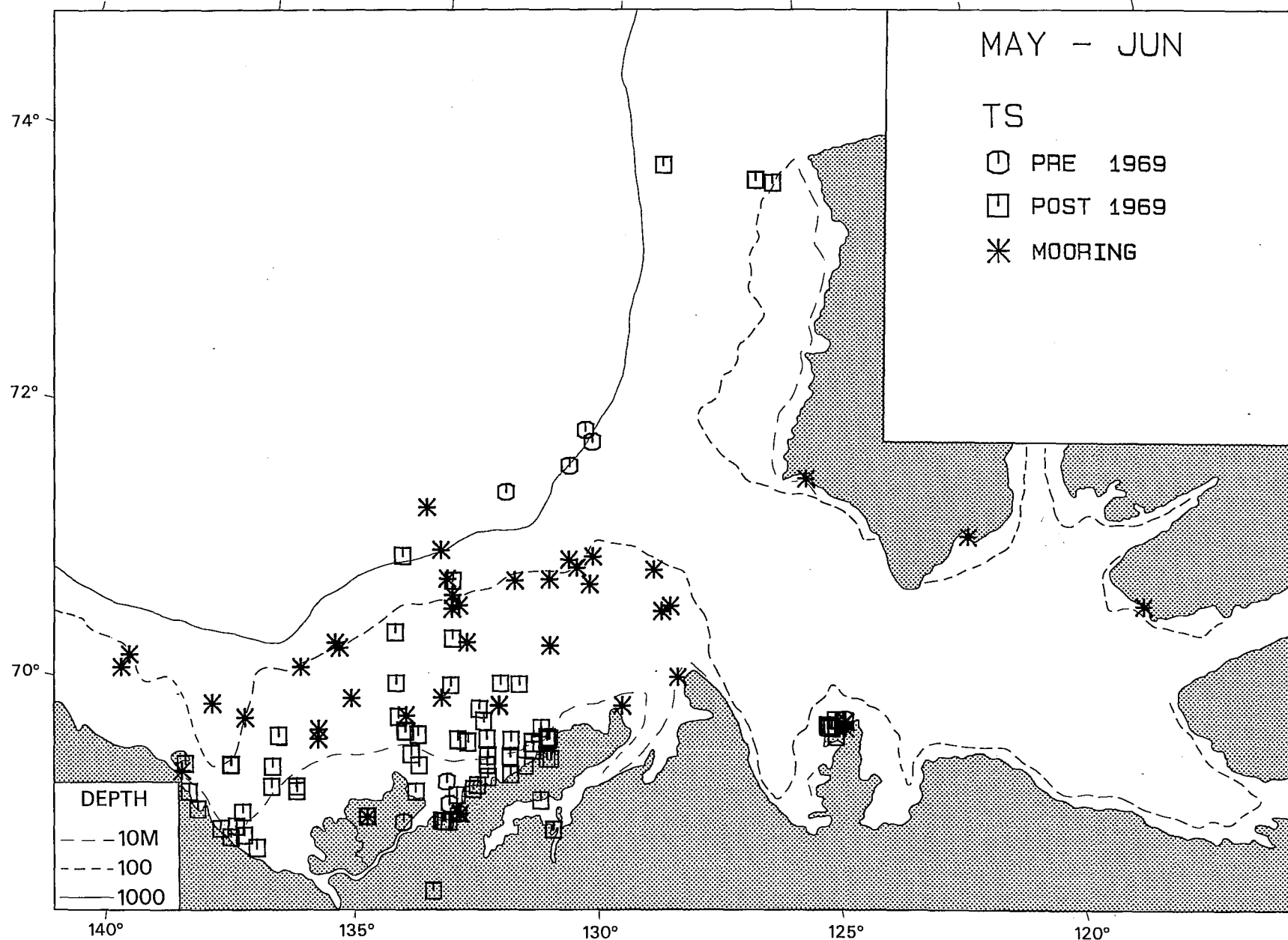


Figure 9c. The locations of temperature-salinity (TS) data collected during the May-June period, all years (489 stations, no AIDJEX). Profile TS data are split as to pre and post 1969. TS data from moored instrumentation are located on the map using a star-like symbol.

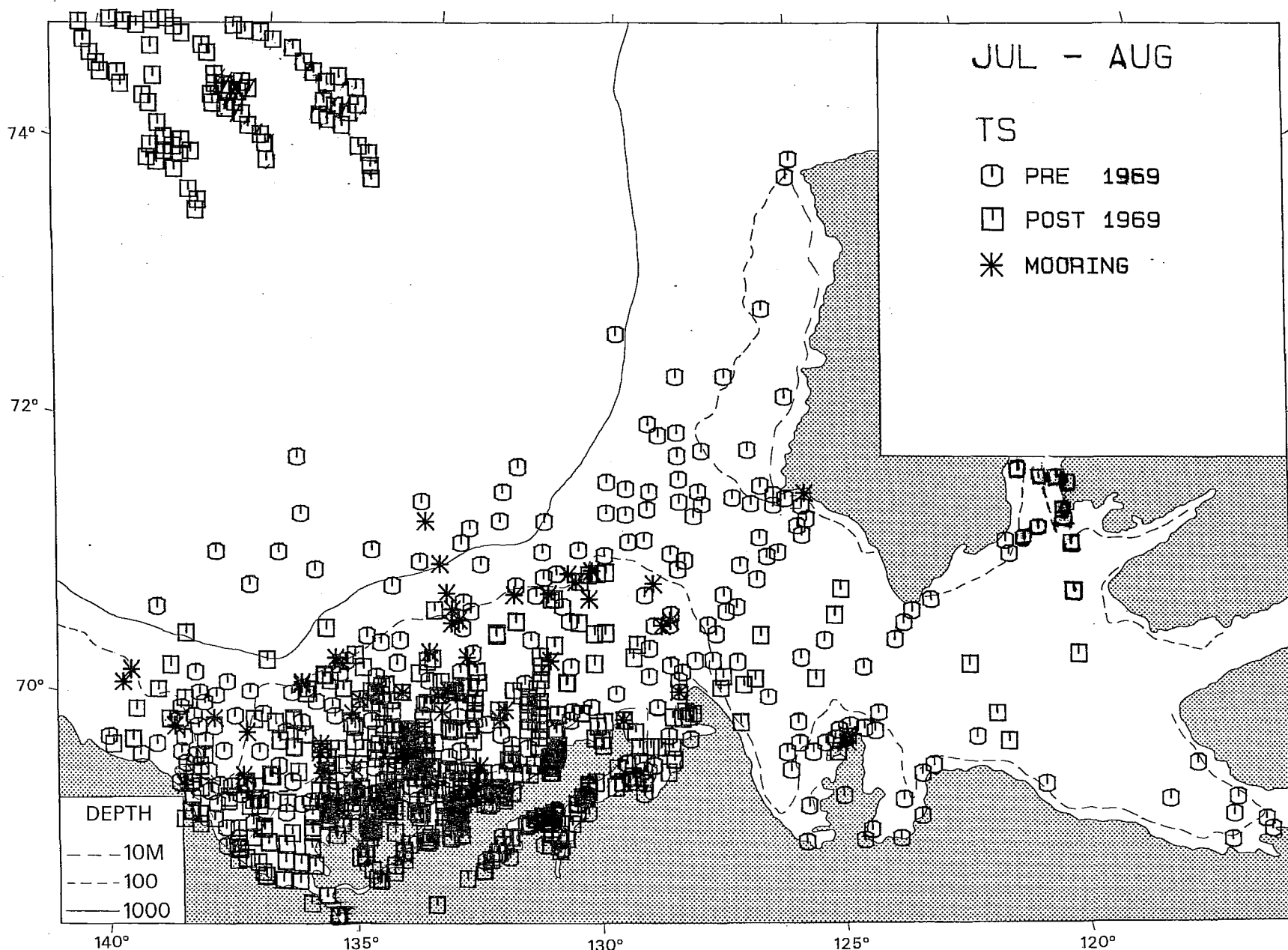


Figure 9d. The locations of temperature-salinity (TS) data collected during the July-August period, all years (2851 stations, including 116 AIDJEX). Profile TS data are split as to pre and post 1969. TS data from moored instrumentation are located on the map using a star-like symbol.



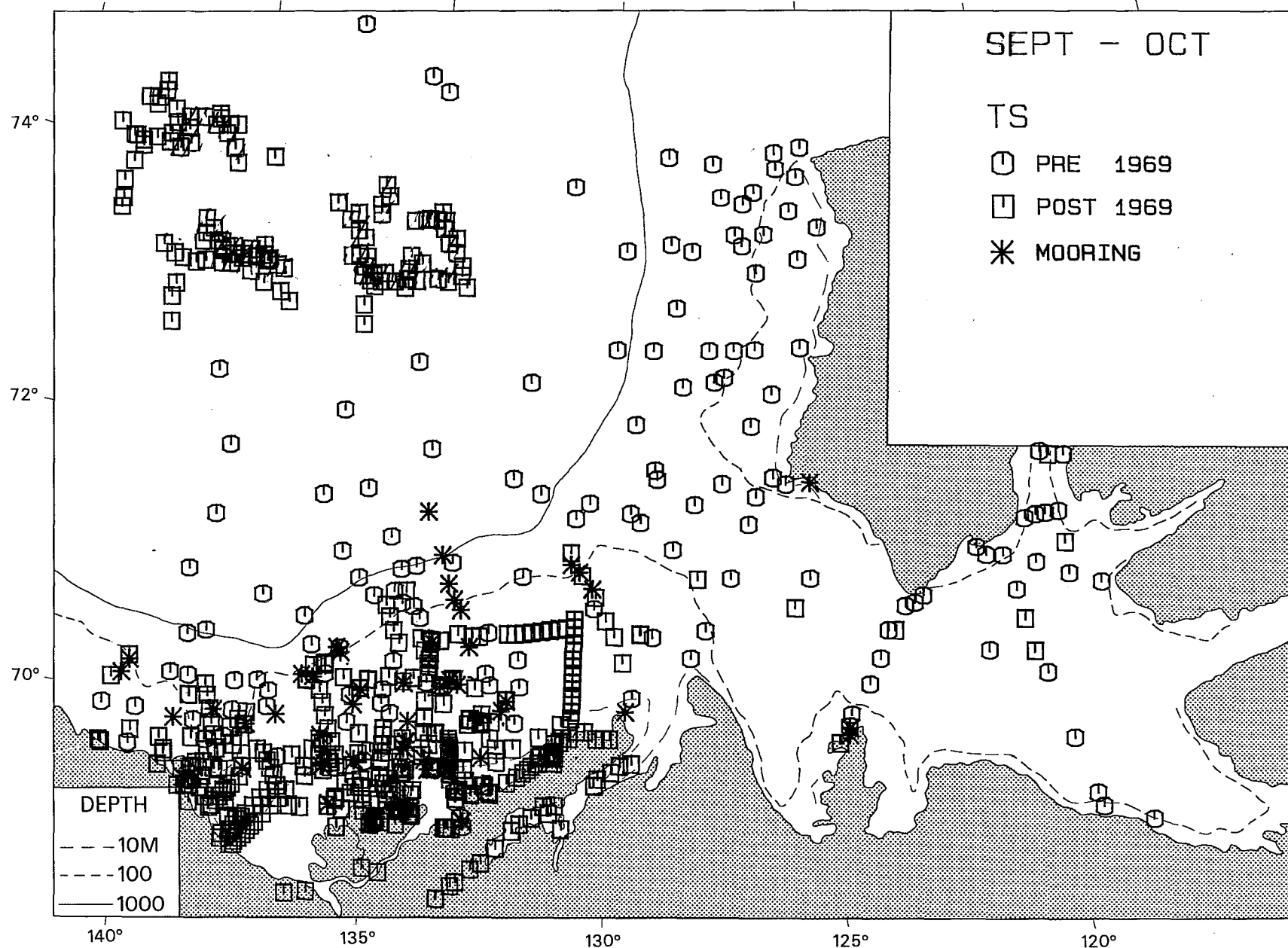


Figure 9e. The locations of temperature-salinity (TS) data collected during the September-October period, all years (1472 stations, including 177 AIDJEX). Profile TS data are split as to pre and post 1969. TS data from moored instrumentation are located on the map using a star-like symbol.

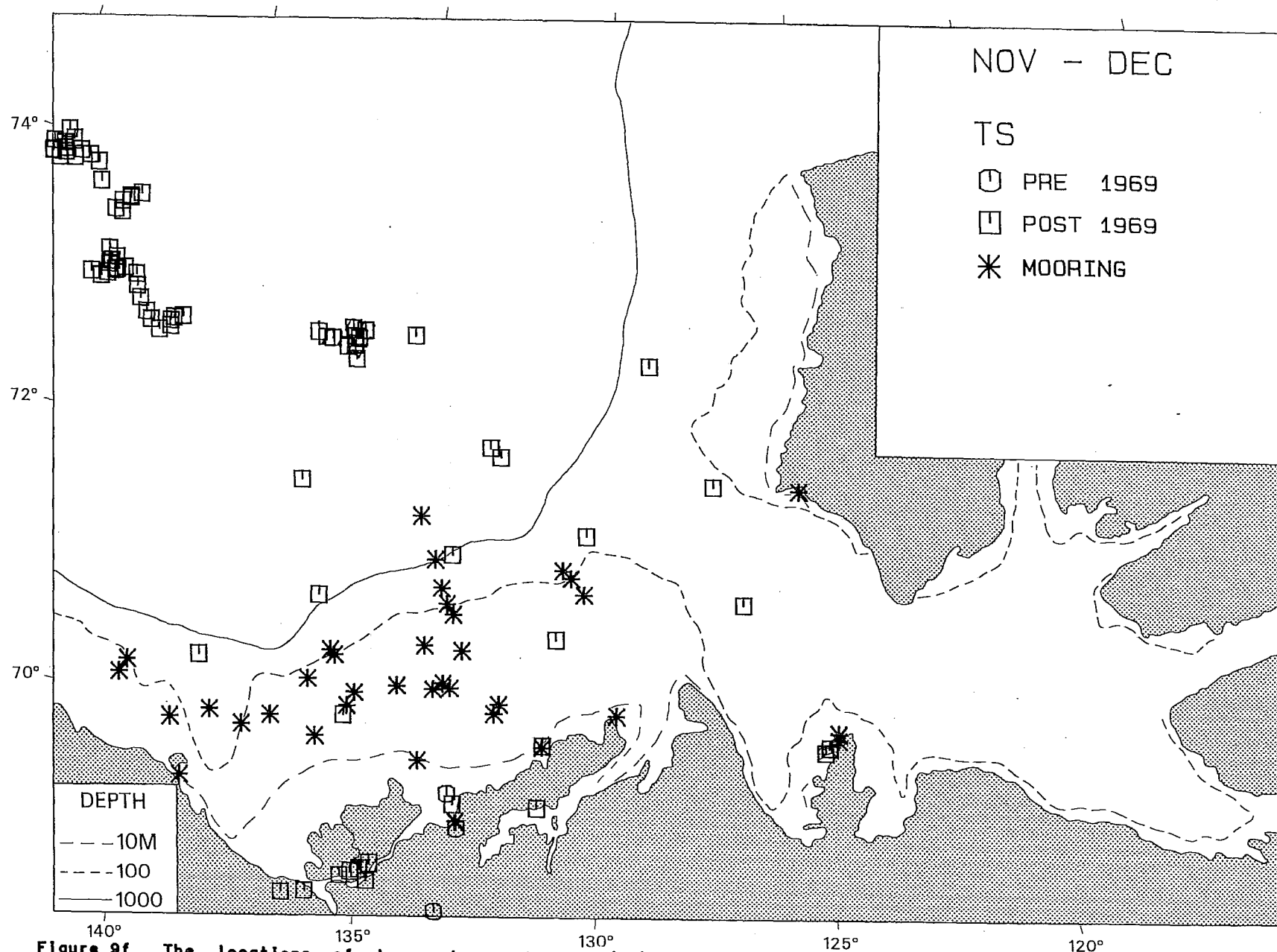


Figure 9f. The locations of temperature-salinity (TS) data collected during the November-December period, all years (285 stations, including 159 AIDJEX). Profile TS data are split as to pre and post 1969. TS data from moored instrumentation are located on the map using a star-like symbol.

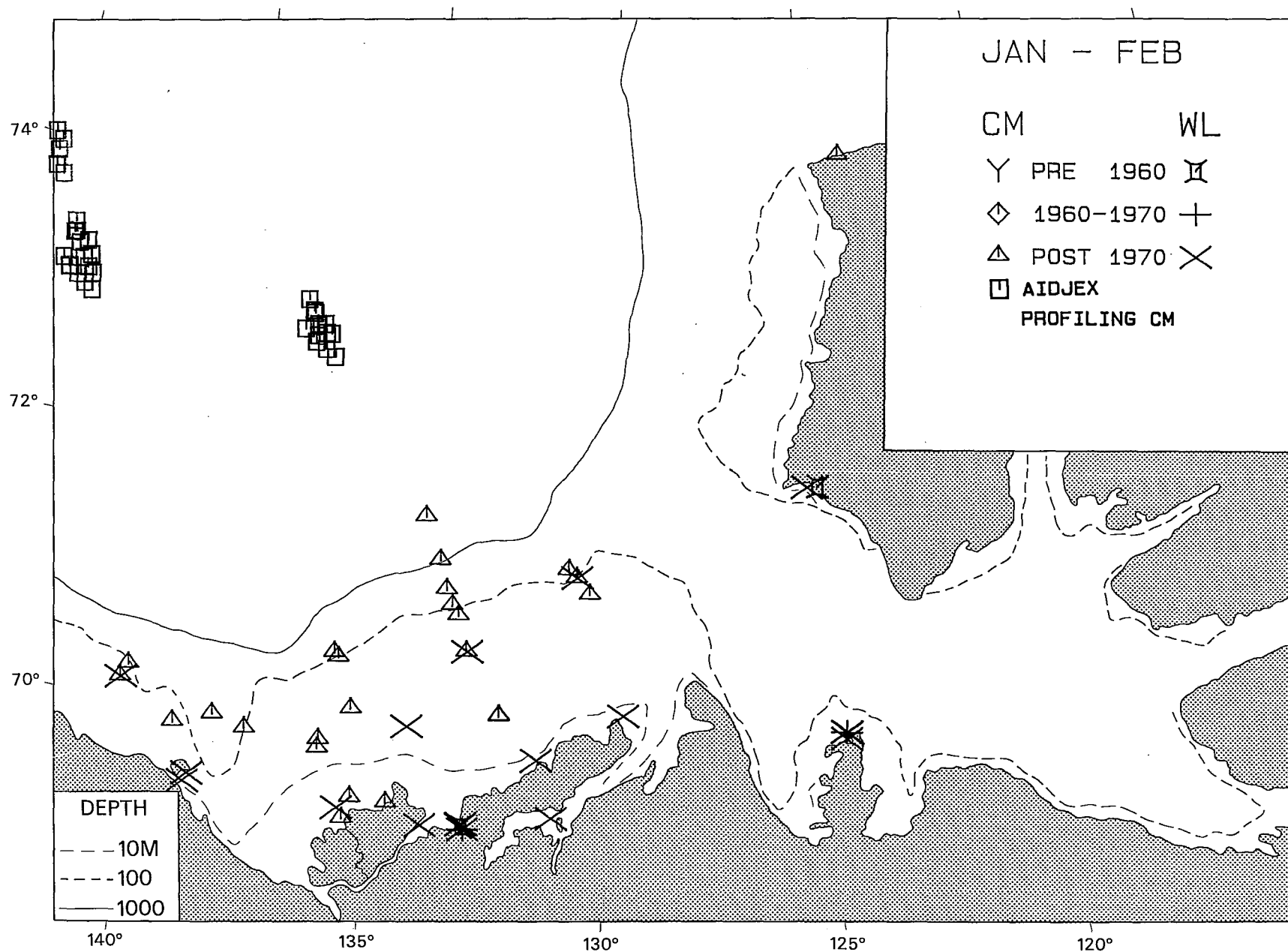


Figure 10a. The locations of all current-meter (CM) and water-level (WL) stations in place during the January-February period, all years (27 CM, 79 WL, 328 AIDJEX CM profiles).

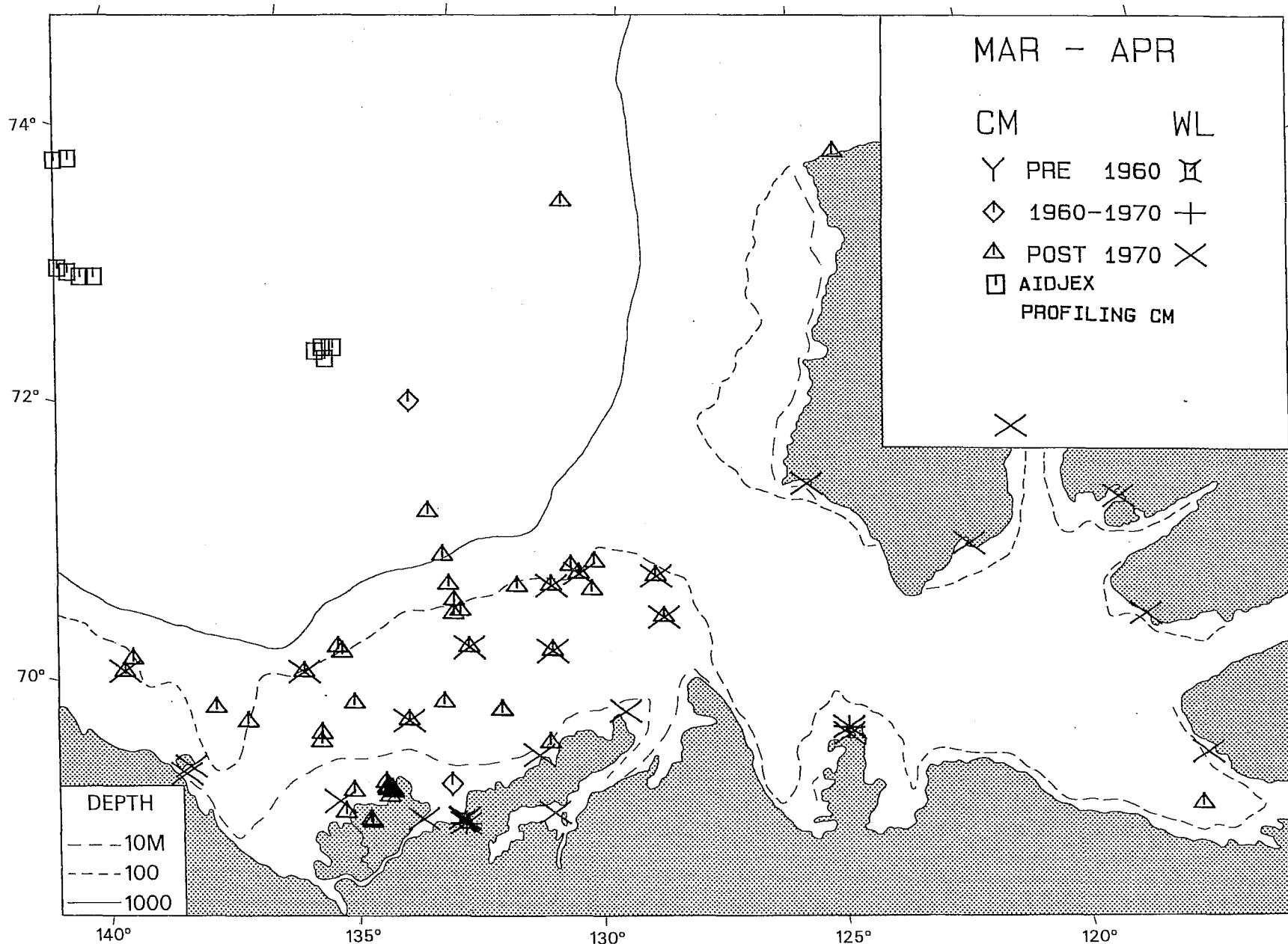


Figure 10b. The locations of all current-meter (CM) and water-level (WL) stations in place during the March-April period, all years (69 CM, 83 WL, 128 AIDJEX CM profiles).

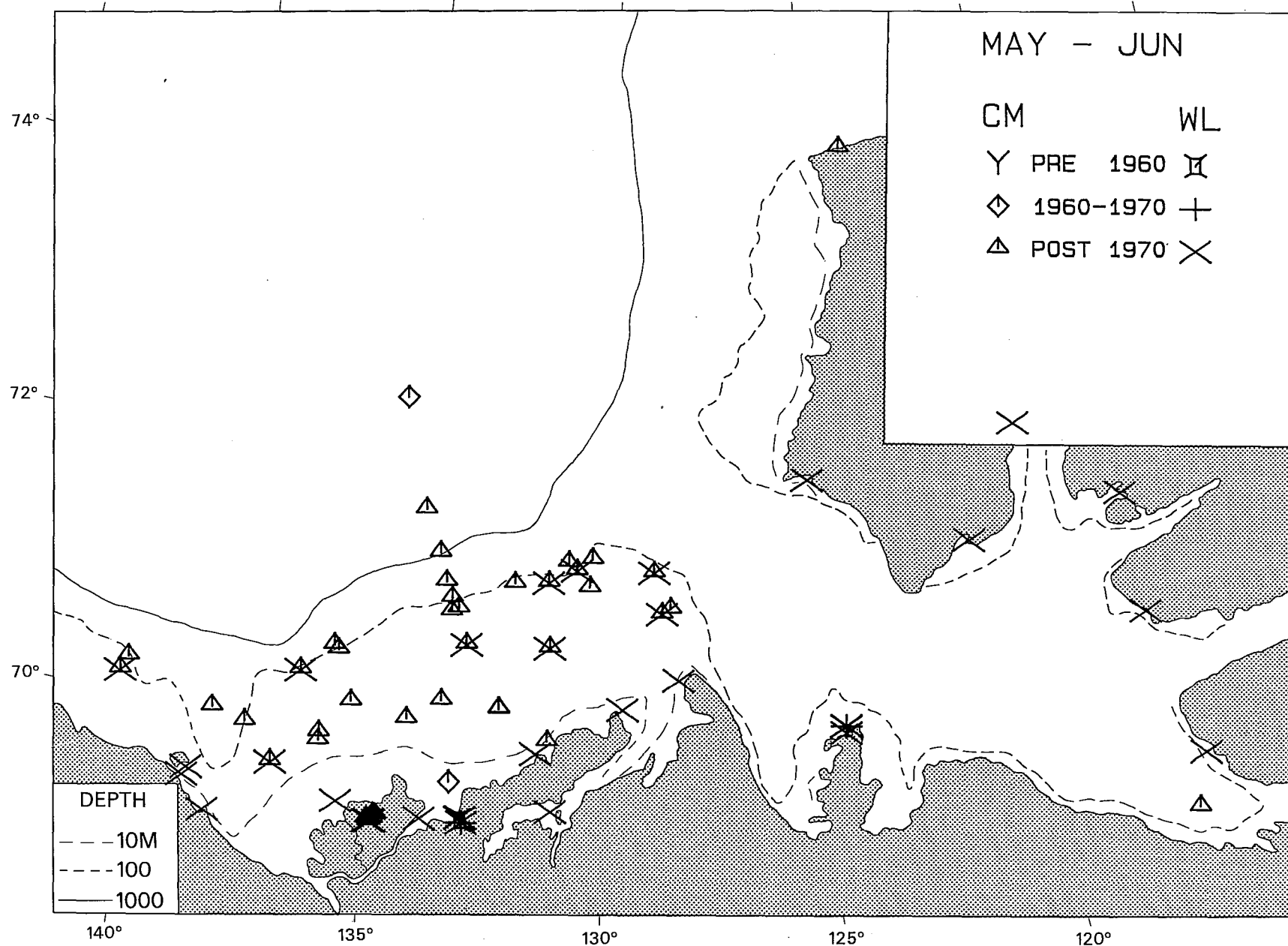


Figure 10c. The locations of all current-meter (CM) and water-level (WL) stations in place during the May-June period, all years (61 CM, 92 WL, 0 AIDJEX CM profiles).

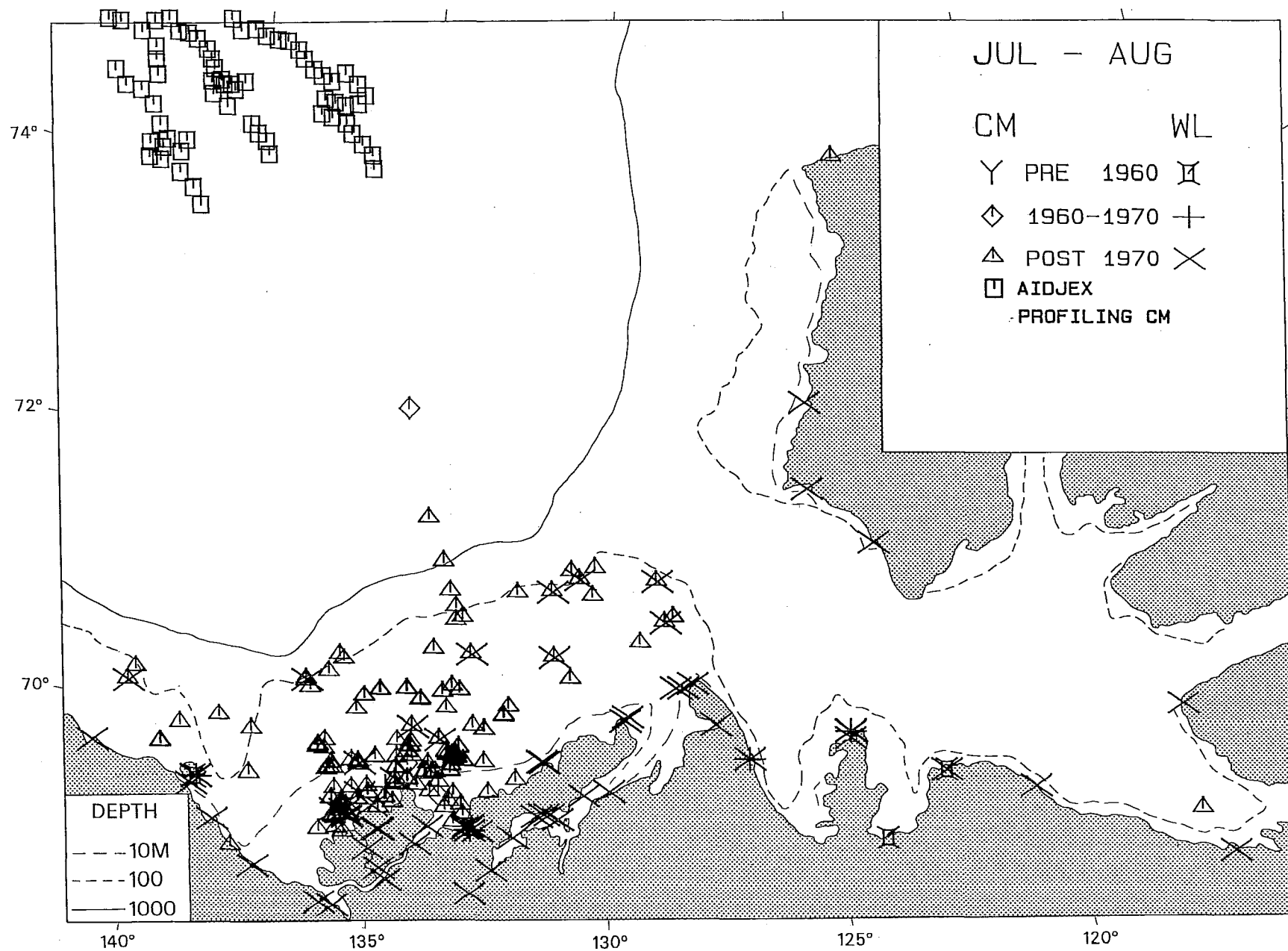


Figure 10d. The locations of all current-meter (CM) and water-level (WL) stations in place during the July-August period, all years (259 CM, 159 WL, 175 AIDJEX CM profiles).

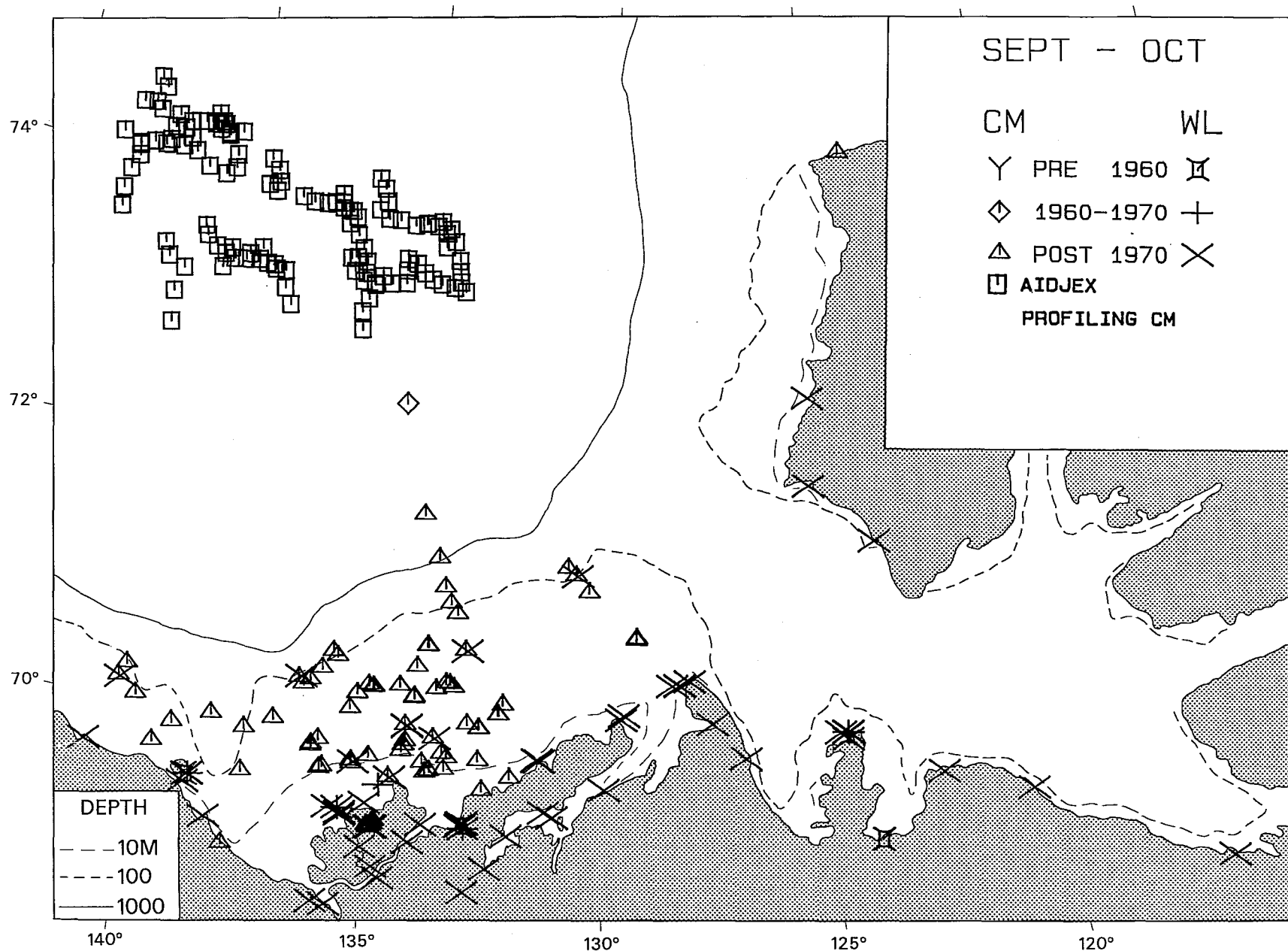


Figure 10e. The locations of all current-meter (CM) and water-level (WL) stations in place during the September-October period, all years (121 CM, 135 WL, 344 AIDJEX CM profiles).

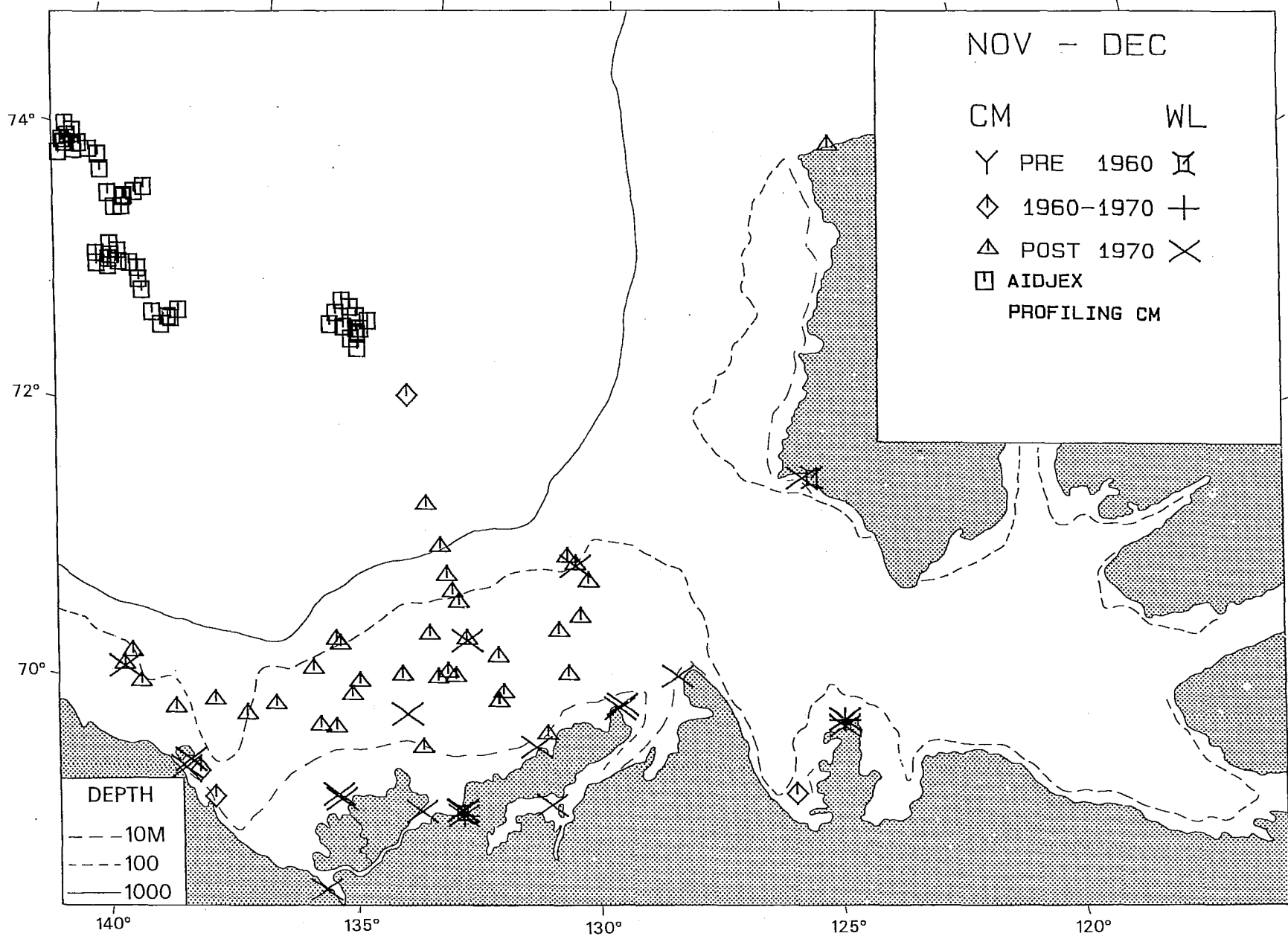


Figure 18f. The locations of all current-meter (CM) and water-level (WL) stations in place during the November-December period, all years (54 CM, 74 WL, 301 AIDJEX CM profiles).



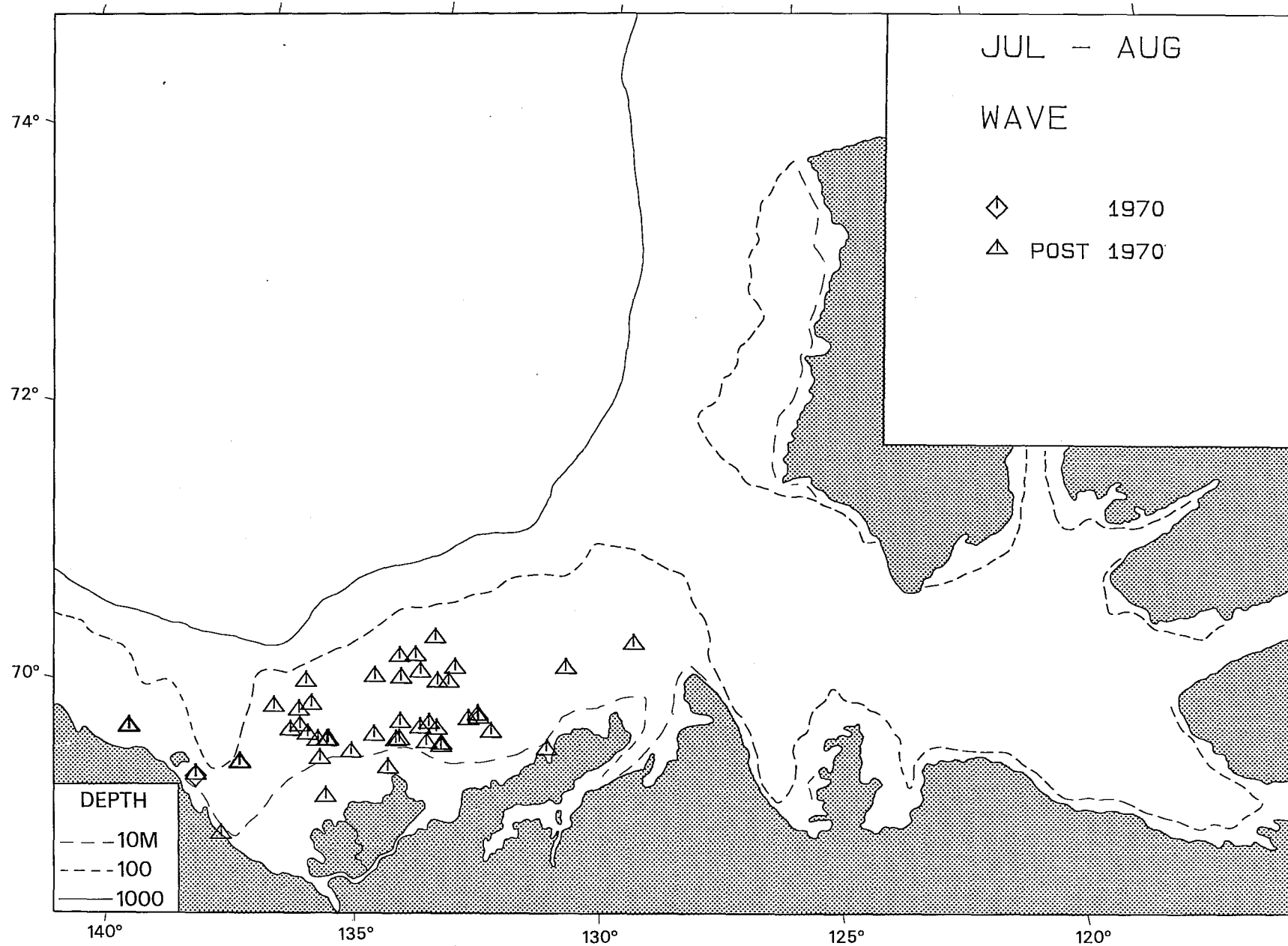


Figure 11a. The locations of all wave data collected during July-August, all years (48 stations).

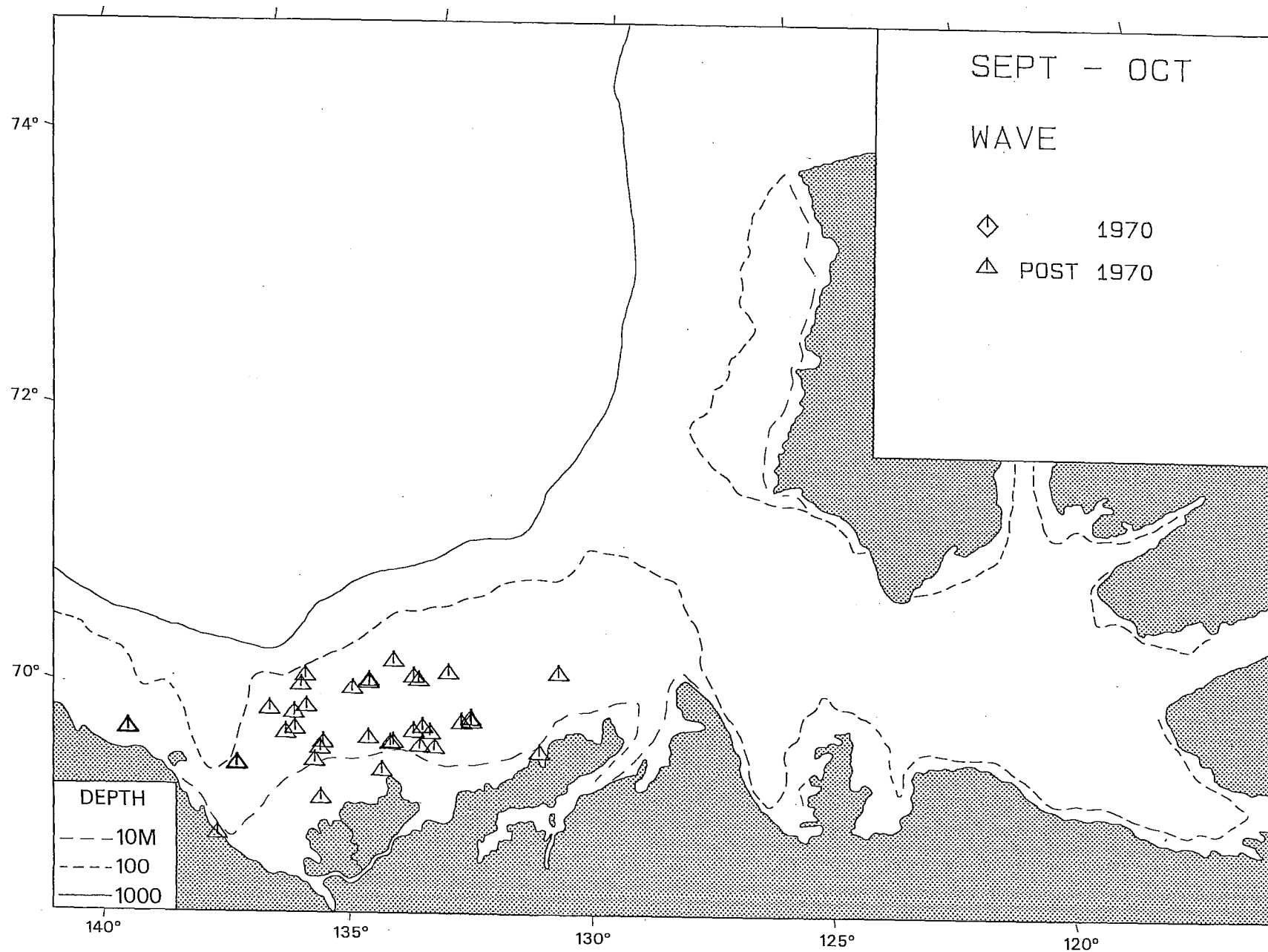


Figure 11b. The locations of all wave data collected during September-October, all years (37 stations).

### TEMPERATURE-SALINITY DATA

The locations of TS profile data (bottle or CTD) are split as to pre and post 1969. TS data from moored instruments are located on the maps using a star-like symbol. The number of salinity and temperature measurements depends on the season in different ways in the various sub-areas of the Beaufort Sea. For example, extensive open water appears during the summer over the continental shelf from Herschel Island to the west coast of Banks Island, and the densest distribution of measurements is found at that time (Figures 8, 9d,e). The sparsest sampling in this area occurs from November through February (Figures 8, 9a,f) when the year's ice is forming and there is little daylight, and from April through June (Figures 8, 9c) when breakup occurs. A secondary maxima in measurements appears during March when the ice is used as a measurement platform. In favourable years, the spring measurement season may be longer. Some data have been collected using aircraft in December (Figure 9f).

Spring measurements are rare in areas where the ice cover is unstable such as the transition zone between the landfast and permanent pack ice off the Tuktoyaktuk Peninsula or in the western end of Amundsen Gulf.

In central and eastern Amundsen Gulf, essentially no data exist for the periods November to February and May to June.

Over the deep waters of the southeastern Beaufort Sea and Canada Basin, almost all of the available data were collected through the permanent polar sea-ice by the AIDJEX project. In the February to April period, data were collected in 1970 and 1971 as part of the AIDJEX pilot programs, while the main AIDJEX experiment of 1975-1976 included data collection within the study area from August 1975 to May 1976.

### CURRENT-METER DATA

Current-meter data are available primarily for the continental shelf and slope off Mackenzie Bay and the Tuktoyaktuk Peninsula during the March through December period (Figure 10). Currents were most often measured during the July through October period, however. The only other source of current-meter data is the AIDJEX projects where the seasonal distribution matches that described above for the temperature-salinity data.

In the whole of Amundsen Gulf and west of Banks Island, only one mooring has been deployed.

### WATER-LEVEL DATA

More water-level data are available for the summer and early autumn months than for other times of the year (Figure 10). The permanent stations at Tuktoyaktuk, Cape Parry and Sachs Harbour are susceptible to ice damage in the winter and spring months. The temporary coastal water-level gauges were usually operated only in the summer and early autumn months. Bottom mounted pressure sensors have provided offshore tidal data, particularly over the shelf, for most months of the year. As with TS and current, little water-level data exist for western Banks Island.

## WAVE DATA

Wave data have been collected during the July through October period (Figure 11). The Beaufort Sea is generally covered with ice during the rest of the year. Even during the summer months, occasional intrusions of sea-ice can interfere with the collection of wave data.

### 6.3 EXTENDED TIME SERIES AND SYNOPTIC DATA

#### SYNOPTIC DATA SETS

In some years, the existence of two or more data sets collected at the same time provides a combined data set with near-synoptic coverage over a relatively large area. The combined data sets may improve coverage within a given area, extend coverage to a larger area or allow comparison of simultaneous processes in different areas. In the Beaufort Sea, possibilities for combinations are largely confined to temperature and salinity data collected during the open water season. Data sets were included only if their measurement periods overlapped significantly. The table below lists near-synoptic data sets by year and general area of coverage.

## LIST OF NEAR-SYNOPTIC DATA SETS

<u>Year</u>	<u>Data Set No.</u>	<u>Area(s)</u>
1951	51-0001 51-0002	Tuktoyaktuk Shelf Amundsen Gulf
1952	52-0001 52-0002	Tuktoyaktuk Shelf Continental Slope
1954	54-0001 54-0002 54-0003	Tuktoyaktuk Shelf Amundsen Gulf, Banks Island Shelf Continental Slope
1960	60-0001 60-0002	Continental Slope Tuktoyaktuk Shelf
1970	70-0002 70-0003	Tuktoyaktuk Shelf Mackenzie Delta
1973	73-0002 73-0003	Mackenzie Bay, Tuktoyaktuk Shelf Liverpool, Kugmallit Bays
1974	74-0002 74-0003	Mackenzie Delta Tuktoyaktuk Shelf
1975	75-0002 75-0003 75-0004 75-0006 75-0012B 75-0025	Mackenzie Delta Tuktoyaktuk Shelf Canada Basin Tuktoyaktuk Shelf Kugmallit Bay Yukon Coast
1977	77-0001 77-0002 77-0003 77-0004 77-0009A 77-0035	Mackenzie Bay Tuktoyaktuk Shelf Amundsen Gulf Tuktoyaktuk Shelf Tuktoyaktuk Shelf Tuktoyaktuk Coastal and Liverpool Bay
1985	85-0017A 85-0032	Tuktoyaktuk Shelf Continental Slope
1986	86-0003 86-0008	Tuktoyaktuk Shelf Yukon Shelf

# EXTENDED TIME SERIES

Repeated measurements in the same area may allow long-term trends to be detected and levels of variability to be estimated. With the exception of water-level data from the permanent tide gauges, such repeated measurements are available mainly for summer temperature and salinity data; winter data of any sort are too sparse. Repeated measurements have been made in several areas. The table below lists the areas in which extended time series are available.

## LIST OF EXTENDED TIME SERIES BY AREA

Mackenzie Delta	Tuktoyaktuk Shelf		Tuktoyaktuk Harbour	Continental Slope	Canada Basin	Amundsen Gulf
52-0001	52-0001	80-0025	61-0001	50-0001	56-0012	51-0001
*	52-0002	81-0001	62-0002	51-0001	*	51-0002
70-0003	*	81-0002	62-0003	51-0002	59-0001	52-0001
*	54-0001	81-0018	62-0004	*	*	53-0001
73-0002	54-0002	81-0027	63-0002	54-0001	69-0001	54-0002
74-0001	55-0016	82-0097	63-0003	54-0002	70-0001	54-0003
74-0002	*	82-0118	*	*	71-0003	*
74-0003	57-0012	83-0058	71-0001	59-0001	*	57-0001
74-0007	58-0001	83-0065	*	59-0002	75-0005	*
75-0001	59-0002	83-0069	75-0012	60-0001	*	77-0003
75-0004	60-0001	84-0044	76-0004	60-0002	79-0001	*
75-0011	60-0002	84-0045	76-0020	*	81-0001	82-0003
75-0012	60-0003	84-0048	78-0031	72-0001		
75-0042	61-0001	85-0017	80-0004	*		
76-0003	*	85-0032	80-0041	79-0001		
76-0004	69-0001	85-0033	81-0013	81-0001		
77-0001	70-0002	85-0037	81-0029	*		
	*	86-0003	82-0111	84-0049		
	73-0002	86-0004	83-0058	85-0032		
	73-0003	86-0010		86-0003		
	74-0002			86-0010		
	74-0007					
	74-0008					
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\* missing lines signify gaps of more than one year.

While conducting drilling operations on the continental shelf, Canmar has collected eleven years of current data, 1976-1986. The data are all from summer, and often of relatively short duration, however they are valuable because of the eleven-year coverage. At some of the drill sites, current data were collected over three or four consecutive summers. Fissel (1981) analysed the 1976-1979 data, but this analysis has not been extended to the full eleven-year set, particularly for examination of long-term trends and inter-annual variability. Moreover, the quality of the current meter data in the 1980's has improved due to the use of instrumentation and moorings better suited for use in the wave zone.

#### 6.4 CONCLUSIONS

This inventory of Beaufort Sea oceanographic data will permit oceanographers and others to exploit more fully the existing data base. The inventory's coverage in space and time should allow investigators to decide how much of the data base pertains to their specific requirements and concerns, without having the data themselves in hand. There are several regions and seasons for which the data base is inadequate to describe the general circulation, in particular the region west of Banks Island. On the other hand, this inventory pinpoints valuable data sets worthy of further consideration.

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## 8. DATA INVENTORY TABLE 1 - SUMMARY LISTING OF DATA SETS

Table 1 summarizes the data sets included in this inventory, sequentially by data-set number. Water-property, moored current-meter, surface-drift, water-level and wave data are catalogued. BT data are not fully catalogued, however their existence has been noted in Table 1, and their general distribution may be deduced from the pattern of stations for a particular cruise, as they were usually collected at and along the track between stations. Over-the-side current measurements of short duration made with fixed-depth or profiling current meters have not been fully inventoried, however attempts were made to include all such data covering one tidal cycle or more.

Each column of the table contains the following information (symbols and abbreviations used in each column are explained as well):

### Column 1 - Data Set I.D.

- contains the data-set identifier number, which is of the form yy-nnnn, where yy are the last two digits of the year in which the data set was collected, and nnnn is the sequential number of the data set for that particular year. (The series of data-set numbers applies to the whole set of inventories; gaps may appear in the sequence in any one inventory where data sets exist only in other areas or disciplines. A data set which appears in two or more areas or disciplines will have the same number in every case.) Data sets may be sub-divided by the addition of a letter at the end of the number. Sub-divisions have been used when different cruises have been grouped under one I.D. number, or when different programs were conducted on the same cruise. In the case of water-level stations, where data were collected at the same location intermittently or continuously over more than one year, one I.D. number has been used to represent the entire data set.

### Column 2 - Ship or collecting agency

- contains the name of the ship (underlined), platform and/or agency

### Column 3 - Dates of measurements

- gives the dates spanning the period during which measurements were taken in the area covered by the inventory. The year is given by the first two digits of the data set number in column 1, unless the measurement period spans the end of a year, in which case it is given explicitly. Question marks mean the dates could not be confirmed, generally due to poor/lack of documentation.

#### Column 4 - Quantity measured

- lists the physical parameters measured in the data set. a quantity followed by a ? means that reference to such measurement was made but no supporting details were available. Measurements identified as "Current" are Eulerian current measurements (made at a fixed location); "Current drift" refers to Lagrangian measurements. "Current profiles" are spot measurements at certain depths.

#### Column 5 - Instruments or methods used

- lists the instruments and methods used to make the measurements. The entries appear opposite the names of the quantities they measure. A question mark after the entry denotes an assumption, i.e. that the method used was not explicitly stated and an assumption was made from the standard practice at the time. A question mark alone means that the instrument used is unknown. In such cases, no estimates of precision and accuracy are given.

#### Column 6 - Estimate of data precision and accuracy

- lists the estimates of the precision (repeatability) and accuracy for each instrument opposite the entry for that instrument in column 5. For instruments of a digital nature, the precision specified is based on the resolution of the instrument. Where possible, estimates made by the original investigators are used. They are entered as two numbers of the form  $\pm n_1, n_2$  where  $n_1$  is the precision and  $n_2$  the accuracy.

Where investigator's estimates were not available, the following special symbols and entries may have been used:

$[\pm n_1, n_2]$ : standard oceanographic methods were used, which would normally result in these values. The techniques and precision/accuracy used in this context are:

BT	$[\pm 0.2, 0.2^\circ\text{C}]$
Reversing thermometer	$[\pm 0.02, 0.03^\circ\text{C}]$
Salinity - Hydrometer	$[\pm 0.2, 0.2^\circ/\text{oo}]$
Salinity - Refractometer	$[\pm 0.5, 0.5^\circ/\text{oo}]$
Salinity - Titration	$[\pm 0.02, 0.04^\circ/\text{oo}]$
Salinity - Bench salinometer	$[\pm 0.01, 0.02^\circ/\text{oo}]$
[The make/model of salinometer is often unknown, but may be specified in Appendix 1]	

High Quality      [ $\pm 0.005$ ,  $0.01^{\circ}\text{C}$ ], [ $\pm 0.005$ ,  $0.02^{\circ}/\text{oo}$ ]  
CTD/STD

$\pm n_1$  @:            manufacturer's specifications for that instrument.

$\pm n_1$  ? :            a questionable estimate, for reasons detailed in Appendix 1.

The column contains a '?' when no information was available and no reasonable assumption could be made.

#### Column 7 - Data rating number

- carries the data rating number assigned as explained in Section 5.

#### Column 8 - Area

- lists the areas in which the majority of the measurements in the data set were taken. (The areas are defined in Figure 1.)

#### Column 9 - Concurrent measurements

- lists known measurements in other disciplines taken as part of the data set. Further measurements may have been taken, but were not discovered while cataloguing the physical oceanographic data, and therefore cannot be listed. Unless otherwise specified (as sediment or ice for example), the medium within which the concurrent measurements were obtained is the water column.
- abbreviations for chemical and biological terms are given in Appendix 3.

#### Column 10 - Source or reference

- lists a primary source or reference for the data set. Data sets held in the data banks at the Marine Environmental Data Service, Ottawa or at the National Oceanographic Data Centre, Washington D.C. are identified, respectively, by the entries MEDS# and NODC# followed by the data bank's identity number. A MEDS number alone does not necessarily mean that the data are not stored at NODC. If MEDS does not have the data then a NODC number is given if they are stored there. Appendix 2 lists addresses and contacts for these sources. Other references and reports are listed in Section 10.3.

TABLE 1: SUMMARY LISTING OF DATA SETS.

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
14-0001	MV ALASKA, Can. Arctic Expedition	Apr.2-Aug.30	Water level ? Current ?	?		2 2		Plankton, fish, benthos	Dawson (1920)
14-0002	Can. Arctic Expedition	Dec.26 '14-Jan.30 '15	Water level	Staff	$\pm 0.75, ?\text{cm}$	3	Cape Kelllett (Banks Island)		Dawson (1920)
16-0002	MV ALASKA, Can. Arctic Expedition	Jul.1-Aug.20	Current	?		2	Mackenzie Bay	Fish, benthos	Dawson (1920)
33-0004	Canadian Hydrographic Service	July-Aug.	Water level	?		2	Tuktoyaktuk		MEDS WL Stn. #6485
35-0001	MV ST. ROCHE, RCMP for Pacific Biol. Station	Aug.4-28	Temperature (surface) Salinity (surface)	Rev. therm. Hydrometer	$[\pm 0.2, .03\text{C}^{\circ}]$ $[\pm 2, .2^{\circ}/\text{‰}]$	3 3	Tuktoyaktuk Continental Shelf, Amundsen Gulf	Biological collections	Tully (1952)
37-0001	MV ST. ROCHE, RCMP for Pacific Biol. Station	Aug.17-18	Temperature (surface) Salinity (surface)	Rev. therm. Hydrometer	$[\pm 0.2, .03\text{C}^{\circ}]$ $[\pm 2, .2^{\circ}/\text{‰}]$	3 3	Tuktoyaktuk Continental Shelf, Amundsen Gulf	Biological collections	Tully (1952)
40-0010	MV ST. ROCHE, RCMP	Aug.11-27, Sept.19 '40-Aug.13 '41	Current ? Water level ?	?		2 2	Beaufort Sea, Amundsen Gulf	Fish, mammals	Larsen (1945)
50-0001	USS BURTON ISLAND, Scripps Inst. Oceanography and US Dept. of Defense	Aug.19-23	Temperature Salinity	Rev. therm., BT Knudsen titration	$[\pm 0.2, .03\text{C}^{\circ}]$ $[\pm 2, .2\text{C}^{\circ}]$ $[\pm 0.2, .04^{\circ}/\text{‰}]$	3 3 3	Continental Slope	O <sub>2</sub> , plankton hauls, sediment, secchi	USNHO (1954) MEDS #318101530 NODC #3150153
51-0001	USS BURTON ISLAND, Scripps Inst. Oceanography and US Dept. of Defense	Sept.14-21	Temperature Salinity	Rev. therm., BT Knudsen titration	$[\pm 0.2, .03\text{C}^{\circ}]$ $[\pm 2, .2\text{C}^{\circ}]$ $[\pm 0.2, .04^{\circ}/\text{‰}]$	3 3 3	Continental Slope and Canada Basin	O <sub>2</sub> , plankton hauls, benthos, sediment	USNHO (1954) NODC #3150400

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ? = Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
51-0002	CGMV <u>CANCOLIM II</u> , Def. Res. Bd. and Pacific Biol. Station	Aug. 20- Sept. 15	Temperature Salinity	Rev. therm. Knudsen titration	$[\pm .02, .03C^{\circ}]$ $[\pm .02, .04^{\circ}/\text{‰}]$	3 3	Amundsen Gulf, Beaufort Sea	Plankton	Cameron (1952) Hattersley-Smith (1952) MEDS #181351801
51-0004	Canadian Hydrographic Service	Aug. 17- Oct. 13	Water level ?			2	Amundsen Gulf		Canadian Hydrographic Service
52-0001	CGMV <u>CANCOLIM II</u> , Pacific Biol. Stn. for Dept. Nat'l Defense	Jul. 18- Aug. 31	Temperature Salinity	Rev. therm. Knudsen titration	$\pm .02, .03C^{\circ}$ $\pm .02, .1^{\circ}/\text{‰}$	3 1	Tuktoyaktuk Continental Shelf, Beaufort Sea	O <sub>2</sub> , benthos, plankton	Cameron (1953) MEDS #181352807
52-0002	USS <u>BURTON ISLAND</u> , Univ. of Washington	Sept. 2-10	Temperature Salinity	Rev. therm., BT Knudsen titration	$[\pm .02, .03C^{\circ}]$ $[\pm .2, .2C^{\circ}]$ $[\pm .02, .04^{\circ}/\text{‰}]$	3 3 3	Continental Shelves and Slopes	O <sub>2</sub> , SI, PO <sub>4</sub> , plankton, sediment secchi	USNHO (1954) NODC #3150400
52-0004	Canadian Hydrographic Service	Jul.- Oct. 12	Water level ?			2	Amundsen Gulf, Tuktoyaktuk, Hershel Is.		Canadian Hydrographic Service
53-0001	USS <u>BURTON ISLAND</u> , (Scripps Inst. Oceanography)	Aug. 8-26	Temperature Salinity	Rev. therm., BT Knudsen titration	$[\pm .02, .03C^{\circ}]$ $[\pm .2, .2C^{\circ}]$ $[\pm .02, .04^{\circ}/\text{‰}]$	3 3 3	Amundsen Gulf, Prince of Wales Strait	O <sub>2</sub> , SI, PO <sub>4</sub> , Plankton, sediment	USNHO (1954) MEDS #318104300 NODC #3150430
53-0004	Canadian Hydrographic Service	Sept. 6-8	Water level ?			0	Amundsen Gulf		Canadian Hydrographic Service
54-0001	CCGS <u>LABRADOR</u>	Sept. 6-14 Jul.-Oct.	Temperature Salinity Water level ?	Rev. therm. Knudsen titration	$[\pm .02, .03C^{\circ}]$ $[\pm .02, .04^{\circ}/\text{‰}]$	3 3 2	Continental Shelves and Slope, Amundsen Gulf		Bailey (1957) MEDS #180354189 NODC #1850172

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?-Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
54-0002	USS <u>BURTON ISLAND</u>	Aug.8-10, Sept.6-13	Temperature Salinity	Rev. therm. Knudsen titration	[ $\pm 0.2, .03^{\circ}$ ] [ $\pm 0.2, .04^{\circ}/\dots$ ]	3 3	Continental Slope, Tuktoyaktuk Cont. Shelf Amundsen Gulf	O <sub>2</sub> , Si, PO <sub>4</sub>	USNHQ (1956) MEDS #31B124650 NODC #3150456
54-0003	USCGC <u>NORTHWIND</u> , Pac. Biol. Stn. for Dept. of Nat'l Defence	Aug.9-14, Sept.5-10	Temperature Salinity	Rev. therm. Knudsen titration	[ $\pm 0.2, .03^{\circ}$ ] [ $\pm 0.2, .04^{\circ}/\dots$ ]	3 3	Amundsen Gulf, NW Banks Island	O <sub>2</sub> , Si, PO <sub>4</sub> , sediment, benthos	USNHQ (1956) NODC #3150457
55-0001	USCGC <u>NORTHWIND</u>	Aug.27, Sept. 4	Temperature Salinity	Rev. therm. Knudsen titration	[ $\pm 0.2, .03^{\circ}$ ] [ $\pm 0.2, .04^{\circ}/\dots$ ]	3	Tuktoyaktuk Shelf (near Hershel Is.)	Transparency	MEDS #31NW05180 NODC #3150518
55-0002	Canadian Hydrographic Service	Jul.25-Aug.19	Water level	Temporary shore-based tide gauge	[ $\pm 1, ?$ cm]	3	Amundsen Gulf		Canadian Hydrographic Service
55-0016	USS <u>BURTON ISLAND</u>	Aug.2	Temperature Salinity	? ?		2 2	Beaufort Sea		MEDS #31B105180 NODC #3150518
56-0001	USS <u>REQUISITE</u>	Jul.30-Aug.27	Temperature Salinity	Rev. therm. Knudsen titration	[ $\pm 0.2, .03^{\circ}$ ] [ $\pm 0.2, .04^{\circ}/\dots$ ]	3 3	Mackenzie Bay, Amundsen Gulf		USNHQ (1960) MEDS #31RQ05480 NODC #3150548
56-0004	Canadian Hydrographic Service	Jun.'56-Sept.'57	Water level	?		2	Tuktoyaktuk		MEDS WL Stn. #6485
56-0012	USSR Aircraft Landings, Sever-Series	Apr.14	Temperature Salinity	? ?		2 2	Canada Basin		Timofeyev (1960)
57-0001	USCGC <u>SPAR</u>	Jul.17-23	Temperature Salinity	Rev. therm. Knudsen titration	[ $\pm 0.2, .03^{\circ}$ ] [ $\pm 0.2, .04^{\circ}/\dots$ ]	3 3	Amundsen Gulf	Transparency	USNHQ (1959) NODC #3150570
57-0002	USS <u>ATKA</u>	Aug.3-18	Temperature Salinity	Rev. therm. Knudsen titration	[ $\pm 0.2, .03^{\circ}$ ] [ $\pm 0.2, .04^{\circ}/\dots$ ]	3 3	Tuktoyaktuk Continental Shelf	Transparency	USNHQ (1959) MEDS #31AK05710 NODC #3150570
58-0001	USS <u>BURTON ISLAND</u> , Scripps Inst. Oceanography?	Sept.2-4	Temperature Salinity	Rev. therm., BT Knudsen titration	[ $\pm 0.2, .03^{\circ}$ ] [ $\pm 2, .20^{\circ}$ ] [ $\pm 0.2, .04^{\circ}/\dots$ ]	3	Tuktoyaktuk Shelf and Continental Slope	Plankton hauls	USNOO (1963a) NODC #3150574
59-0001	Ice Island T-3	Jun.9-Sept.10	Temperature Salinity	Rev. therm., BT Knudsen titration	$\pm 0.2, [.03]^{\circ}$ [ $\pm 2, .20^{\circ}$ ] $\pm 0.1, ?^{\circ}/\dots$	3 3 3	Canada Basin	O <sub>2</sub> , SiO <sub>3</sub>	Kusunoki et al. (1962) Kusunoki (1962) MEDS #311308010 NODC #3150738

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ? = Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
59-0002	USS <u>STATEN ISLAND</u>	Aug. 10- Sept. 3	Temperature Salinity	Rev. therm., BT Salinometer	$\pm .03, [.03]C^{\circ}$ $[\pm .2, .20^{\circ}]$ $[\pm .01, .02^{\circ}/\text{‰}]$	3 3 3	Tuktoyaktuk Cont. Shelf, Amundsen Gulf	Sediment	USNOO (1963b) NODC #3150636
59-0004	Canadian Hydrographic Service	Sept. '59- Dec. '60	Water level	?		2	Tuktoyaktuk		MEDS WL Stn. #6485
59-0014	US Aircraft Landings	Winter	Temperature Salinity	Rev. therm. Knudsen titration?	$[\pm .02, .03C^{\circ}]$ $[\pm .02, .04^{\circ}/\text{‰}]$	2 2	Beaufort Sea		Beal (1968a,b)
60-0001	USS <u>BURTON ISLAND</u>	Aug. 16- Sept. 19	Temperature Salinity	Rev. therm., BT Salinometer	$[\pm .02, .03C^{\circ}]$ $[\pm .2, .20^{\circ}]$ $[\pm .01, .02^{\circ}/\text{‰}]$	3 3 3	Canada Basin, Beaufort Sea		USNOO (1964) NODC #3150667
60-0002	USCGC <u>NORTHWIND</u>	Oct. 20-21	Temperature Salinity	Rev. therm. Salinometer?	$[\pm .02, .03C^{\circ}]$ $\pm .01, ?^{\circ}/\text{‰}$	3 2	Continental Shelves		Paquette & Bourke (1974) MEDS #31NW08410 NODC #3150841
60-0003	MV <u>SALVELINUS</u> , Arc. Biol. Stn. for Fish. Res. Bd. Can.	Aug. 1-31	Temperature Salinity	Rev. therm. Knudsen titration	$[\pm .02, .03C^{\circ}]$ $[\pm .02, .04^{\circ}/\text{‰}]$	3 3	(West) Mackenzie Bay	Fish, benthos, plankton, $O_2$	Grainger & Lovrity (1975)
61-0001	MV <u>SALVELINUS</u> , Arc. Biol. Stn. for Fish. Res. Bd. Can.	Jul. 5- Aug. 27	Temperature Salinity	Rev. therm. Knudsen titration	$[\pm .02, .03C^{\circ}]$ $[\pm .02, .04^{\circ}/\text{‰}]$	3 3	Eskimo Lakes, Liverpool Bay, Kugmallit Bay	Fish, benthos, zooplankton, $O_2$	Grainger & Lovrity (1975)
61-0002	Canadian Hydrographic Service	Summer 1961 to Present	Water level	Shore-mounted tide gauge	$\pm 1, 5$ cm	3	Kugmallit Bay (Tuktoyaktuk)		On file at Tides & Currents, IOS
62-0001	MV <u>SALVELINUS</u> , Arc. Biol. Stn. for Fish. Res. Bd. Can.	Jul. 15- Aug. 29	Temperature Salinity	Rev. therm. Knudsen titration	$[\pm .02, .03C^{\circ}]$ $[\pm .02, .04^{\circ}/\text{‰}]$	3 3	Eskimo Lakes, Liverpool Bay, Amundsen Gulf	$O_2$ , fish, Invertebrates, benthos	Grainger & Lovrity (1975) CODC (1963) MEDS #180462377
62-0002	National Research Council of Canada	Apr. 27- May 6	Temperature Salinity	Thermistors (NRC) Autolab Salinometer	$\pm .01, .02C^{\circ}$ $\pm .01, .02^{\circ}/\text{‰}$	3 3	Kugmallit Bay		Kelly (1967) MEDS #180762447
62-0003	National Research Council of Canada	Nov. 26- Dec. 10	Temperature Salinity	Thermistors (NRC), BT Wayne Kerr Portable Salinometer	$\pm .01, .03C^{\circ}$ $\pm .1, .20^{\circ}$ $\pm .1, .5^{\circ}/\text{‰}$	3 3 1	Kugmallit Bay		Kelly (1967) MEDS #180762448
62-0004	National Research Council of Canada	Dec. 14 '62- May 1 '63	Temperature Salinity	BT Autolab Salinometer	$\pm .1, .20^{\circ}$ $\pm .01, .02^{\circ}/\text{‰}$	3 3	Kugmallit Bay		Kelly (1967) MEDS #180762449



TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ? = Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
63-0001	MV <u>SALVELINUS</u> , Arc. Biol. Stn. for Fish. Res. Bd. Can.	Jun. 21- Sept. 9	Temperature Salinity	Rev. therm., BT NIO Bridge Salinometer	[ $\pm 0.2, .03C^{\circ}$ ] [ $\pm 2, .2C^{\circ}$ ] [ $\pm 0.1, .02^{\circ}/\dots$ ]	3 3 3	Amundsen Gulf	O <sub>2</sub> , fish, Invertebrates, benthos	CODC (1964) Hunter & Leach (1983) MEDS #180463002
63-0002	National Research Council of Canada	May 2-5	Temperature Salinity	Thermistors (NRC) Wayne Kerr Port- able Salinometer, RS-5 Portable Salinometer	$\pm 0.1, .03C^{\circ}$ $\pm 1, .5^{\circ}/\dots$ $\pm 3, .5^{\circ}/\dots$	3 3 3	Kugmallit Bay		Kelly (1967) MEDS #180763004, #180763010
63-0003	CSS <u>RICHARDSON</u> , Canadian Hydrographic Service	Jul. 26- Sept. 16	Temperature Salinity Water level	BT Autolab Sal- inometer ?	$\pm 1, .2C^{\circ}$ [ $\pm 0.2, .04^{\circ}/\dots$ ]	3 3 2	Kugmallit Bay, Mackenzie Delta		Kelly (1967) MEDS #180763002
64-0001	MV <u>SALVELINUS</u> , Arc. Biol. Stn.	Jul. 4- Aug. 13	Temperature Salinity	Rev. therm. Salinometer	[ $\pm 0.2, .03C^{\circ}$ ] [ $\pm 0.1, .02^{\circ}/\dots$ ]	3 3	Amundsen Gulf (Cape Parry)	Fish	Hunter & Leach (1983) MEDS #180464001
64-0002	USCGC <u>NORTHWIND</u>	Aug. 19	Temperature Salinity	Rev. therm. Salinometer?	[ $\pm 0.2, .03C^{\circ}$ ] [ $\pm 0.1, .02^{\circ}/\dots$ ]	3 3	Tuktoyaktuk Continental Shelf		NODC #3150238
64-0003	Canadian Hydrographic Service	Jul. 6- Sept. 1	Water level	Temporary shore-mounted tide gauge	$\pm 7, ?$ cm	1	Mackenzie Bay (Garry Island)		Canadian Hydrographic Service
65-0001	Canadian Hydrographic Service	Jul. 3- Aug. 31	Water level	Temporary shore-mounted tide gauge	[ $\pm 1, 5$ cm]	3	Mackenzie Bay (Garry Island)		Canadian Hydrographic Service
66-0001	Canadian Hydrographic Service	Jul. 24 '66 to present	Water level	Shore-mounted tide gauge	$\pm 1, 5$ cm	3	Amundsen Gulf (Cape Parry)		On file at Tides & Currents, IOS
66-0002	Canadian Hydrographic Service	Jul. 5- Aug. 24	Water level	Temporary shore-mounted tide gauge	[ $\pm 1, 5$ cm]	3	Mackenzie Bay (Garry Island)		Canadian Hydrographic Service
66-0011	Inuvik Research Lab., DIAND	Nov. 11 '66- Jan. 13 '67	Temperature Salinity	? ?		2 2	Eskimo Lakes		Hill (1967)
69-0001	USS <u>STATEN</u> <u>ISLAND</u>	Aug. 8-10	Temperature Salinity	Rev. therm. Salinometer?	[ $\pm 0.2, .03C^{\circ}$ ] [ $\pm 0.1, .02^{\circ}/\dots$ ]	3 2	Continental Slope	O <sub>2</sub> , PO <sub>4</sub> , St. N <sup>+</sup>	Burrell et al. (1970) MEDS #315121750 NODC #3152175
69-0017	Arctic Biological Station	Jul. 1-18	Temperature	?		2	Beaufort Coast, Mackenzie Bay	Mammals, wave climate	Sergeant & Hoek (1974)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?-Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
70-0001	AIDJEX '70 Pilot Project	Mar.24-30	Temperature Salinity currents (under ice)	Rev. therm. Salinometer Braincon 316	$\pm .01, ? ^\circ$ $\pm .01, ? \text{ }^\circ/\text{..}$ $\pm ? , ? \text{ cm/s}$	3 1 3	Canada Basin		Coachman & Newton (1972) MEDS #314K16770 NODC #3151677
70-0002	CSS HUDSON, Atl. Geosci. Centre, BIO, for Geol. Survey Can.	Aug.28-Sept.24	Temperature Salinity	Rev. therm. Salinometer	$[\pm .02, .03^\circ]$ $[\pm .01, .02^\circ/\text{..}]$	3 3	Beaufort Sea	Plankton sediment benthos	Vilks (1973) MEDS #181069050 NODC #50833
70-0003	CSS RICHARDSON Atl. Geosci. Centre, BIO, for Geol. Survey Can.	Jul.15-Aug.25	Temperature Salinity  Currents  Surface drift	? Industrial Instruments Portable Salinometer Hydro Products 450S Visual drifters	$\pm .01, ? \text{ }^\circ/\text{..}$ $\pm ? , 15^\circ$ $\pm 0.1 \text{ n.m. position}$	2 2  2  3	Kugmallit Bay, Tuktoyaktuk Shelf	Mineralogy, sediment, benthos	Healey (1971) Dewls, Levinson, & Bayliss (1972) MEDS #180270013
70-0004	CSS PARIZEAU?, Canadian Hydrographic Service	Jul.11-Sept.10	Water level	Temporary shore-based tide gauge	$\pm 1, 5 \text{ cm}$	3	Amundsen Gulf, Mackenzie Bay, Herschel Is.		Henry & Foreman (1977)
70-0005	Oceanographic Services Inc. for Imperial Oil Ltd.	Feb.23-Jun.1	Current (under ice)	Geodyne 102	$2.5 \text{ cm/sec threshold}$	3	Mackenzie Bay, Kugmallit Bay, Franklin Bay	Ice motion	OSI (1970) Croasdale (1970)
70-0071	MEDS/Esso?	Aug.1-30	Waves	Waverider	$\pm 1.5\%, .5 \text{ m}$	3	Near Herschel Island		MEDS File 98-1M
71-0001	MY SALVELINUS, Arc. Biol. Stn. for Fish.&Mar. Service Can.)	Jul.18-Sept.1	Temperature Salinity	Rev. therm. Bissett-Berman 6230 Salinometer	$[\pm .02, .03^\circ]$ $[\pm .01, .02^\circ/\text{..}]$	3 3	Tuktoyaktuk Shelf, Liverpool Bay, Kugmallit Bay	Zooplankton, nutrients, $\text{O}_2$ , Chl.A, benthos	Grainiger & Lovrity (1975) Hunter & Leach (1983) MEDS #180471002
71-0002	CSS PARIZEAU, Canadian Hydrographic Service	Jul.-Aug.	Water level	Temporary shore-based tide gauge	$\pm 1, 5 \text{ cm}$	2	McKinley Bay, Liverpool Bay, Eskimo Lakes	Sediment, benthos	Henry & Foreman (1977) Canadian Hydrographic Service

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?-Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
71-0003	AIDJEX'71 Pilot Study	Mar.16-Apr.7	Temperature Salinity Currents (under ice)	Rev. therm. Salinometer Savonius Rotor meter	[ $\pm 0.2, .03^{\circ}\text{C}$ ] $\pm 0.1, ? \text{‰}$ $\pm ? \text{ cm/s}$	3 3 3	Canada Basin		Hunkins (1972) MEDS 314K19470 NODC #3151974
71-0004	Arctic Biological Station for Fish.&Mar. Service Can.	Aug.19-Sept.9, Dec.15	Temperature Salinity	Rev. therm. Bisset-Berman 6230 Salinometer	[ $\pm 0.2, .03^{\circ}\text{C}$ ] [ $\pm 0.1, .02^{\circ}\text{‰}$ ]	3 3	Eskimo Lakes	O <sub>2</sub> , nutrients, Chl.A, pH, POC, secchl, plankton, benthos	Grainger, Lovrity & Evans (1977) MEDS #180471002
71-0018A	Freshwater Inst. for Task Force on Northern Oil Development	Aug.23-Sept.11	Temperature Salinity	? ?		2 2	Mackenzie Bay	SO <sub>4</sub> , pH, O <sub>2</sub> , metals, benthos	Brunskill et al. (1973)
71-0018B	Freshwater Inst. for Task Force on Northern Oil Development	Dec.11	Temperature Salinity	? ?		2 2	Mackenzie Bay	SO <sub>4</sub> , pH, O <sub>2</sub> , metals	Brunskill et al. (1973)
72-0001	Dalhousie University (Helicopter), Atl. Geosci. Centre	Mar.21-Apr. 9	Temperature Salinity	Rev. therm. Salinometer	[ $\pm 0.2, .03^{\circ}\text{C}$ ] $\pm 0.1, ? \text{‰}$	3 3	Beaufort Sea	Plankton	Vilks (1973) MEDS #182872072
72-0003	F.F.Stanley&Co. Ltd. for Imper. Oil, Shell, Gulf, & Canadian Arc. Gas Study Ltd.	Aug.8-Sept.10	Conductivity	Conductivity bridge	$\pm ? \text{‰}$	0	Mackenzie Bay	pH, turbidity, SO <sub>4</sub> , TOC, Mg, Ca, TH, EEHC, biota, sediment	Stanley (1973b, 1974c)
72-0004	MV SALVELINUS, Arc. Biol. Stn. for Fish.&Mar. Services Can.	Mar.17-Nov.25	Temperature Salinity	Rev. therm. Bisset-Berman 6230 Salinometer	[ $\pm 0.2, .03^{\circ}\text{‰}$ ] [ $\pm 0.1, .02^{\circ}\text{‰}$ ]	3 3	Eskimo Lakes, Liverpool Bay	Plankton, benthos, Chl.A, POC, O <sub>2</sub> , pH, nutrients	Grainger, Lovrity & Evans (1977) Hunter & Leach (1983) MEDS #180472001
72-0006	MV ARCTICUS, F.F.Stanley&Co. Ltd. for Imper. Oil Ltd.	Jul.5-Aug.11	Temperature Salinity	Thermistor Conductivity cell	$\pm ? \text{‰}$ $\pm ? \text{‰}$	3 3	Mackenzie Delta (Harry & East Channels)	Benthos, fish, plankton, pH, SPM, CO <sub>2</sub> , major elements	Stanley (1973a,b, 1974c)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
72-0007	MV ARCTICUS, F.F.Slaney&Co. Ltd. for Imperial Oil Ltd.	Jul.6-Sept.19	Temperature Salinity Current	Martek Instruments Ltd. TDC Meter SK 70 Helix meter	$\pm ?$ , ? C° $\pm ?$ , ? ‰ $\pm ?$ , ? cm/s	3 3 3	East Mackenzie Bay, Mackenzie Delta	Plankton, fish, benthos, O <sub>2</sub> , pH, CO <sub>2</sub> , HCO <sub>3</sub> , turbidity	Slaney (1973a)
72-0009	CSS PARIZEAU, Canadian Hydrographic Service	Jan.'72 to present	Water level	Shore-based tide gauge	$\pm 1$ , 5 cm	3	Banks Island (Sachs Harbour)		On file at Tides & Currents, IOS
72-0010	Canadian Hydrographic Service	Jul.25-Oct.2	Water level	Temporary shore-based tide gauge	$\pm 1$ , 5 cm	3	Kugmallit Bay, Mackenzie Bay, Liverpool Bay, Amundsen Gulf		Henry & Foreman (1977)
72-0012	Freshwater Inst. for Fish. & Mar. Service/ Aq.Env.Ltd?	Jun.23-Aug.6	Temperature ? Salinity ?	? ?		2 2	Mackenzie Bay	Benthos, pH, metals, fish, O <sub>2</sub>	Brunskill et al. (1973)
72-0118	Aquatic Env. Ltd. for Can. Arctic Gas Study Ltd.	Jul.3-Aug.6	Temperature ? Salinity ?	? ?		2 2	Yukon Coastal	Fish	Mann (1974)
73-0001	F.F.Slaney&Co. Ltd. for Imperial Oil Ltd.	Mar.20-21	Temperature Salinity Current	ARA Thermistor Sproule Cell SK 70 Helix, drag	$\pm ?$ , ? C° $\pm ?$ , ? ‰ $\pm ?$ , ? cm/s	3 3 3	Mackenzie Bay	O <sub>2</sub> , Si, pH, benthos, metals, plankton, turbidity	Slaney (1974a)
73-0002	MV NORTH STAR OF HERSCHEL ISLAND, Arc. Biol. Stn. for Fish. & Mar. Services Can.	Jul.20-27	Temperature Salinity	YSI Model 33 S-C-T meter	$\pm ?$ , .5C° @ $\pm ?$ , .7‰ @	3 3	Continental Sea Shelves, Mackenzie Bay	O <sub>2</sub> , nutrients, Chl.A, POC, zooplankton, secchi, benthos	Grainger (1974) Grainger & Lovrity (1975) MEDS #180473002
73-0003A	Arctic Biological Station	Feb.24-Oct.1	Temperature Salinity	Rev. therm. Bissett-Berman 6230 Salinometer	[ $\pm .02$ , .03C°] [ $\pm .01$ , .02‰]	3 3	Eskimo Lakes	O <sub>2</sub> , nutrients, Chl.A, POC, pH, secchi depth	Grainger, Lovrity & Evans (1977) MEDS #180473001
73-0003B	MV SALVELINUS, Arctic Biological Station	Jul.4-Sept.9	Temperature Salinity	YSI Model 33 S-C-T meter	$\pm ?$ , .5C° @ $\pm ?$ , .7‰ @	3 3	Eskimo Lakes, Kugmallit Bay, Liverpool Bay	Nutrients, Chl.A, secchi depth	Grainger, Lovrity & Evans (1977) Hunter & Leach (1983)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ? = Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
73-0004	Canadian Hydrographic Service, IOS	Jul.'73-Aug.'74	Water level	Temporary shore-based tide gauge, U.B.C. gauge, Offshore pressure gauge	$[\pm 1.5 \text{ cm}]$ $\pm ?$ , ? cm $\pm ?$ , ? cm	3 2 3	Amundsen Gulf, Liverpool Bay, Herschel Is.		Huggett et al. (1975) Henry & Foreman (1977)
73-0016	F.F.Slaney & Co. Ltd. for Imperial Oil Ltd.	Aug. 12-16	Temperature (surface) Salinity (surface)	? ?		2 2	Tuktoyaktuk Harbour	Benthos, fish, secchi	Slaney (1973c)
73-0019	F.F.Slaney & Co. Ltd. for Imperial Oil Ltd.	May 20-Oct. 6	Conductivity Water level	Cond. bridge Richards-type recorder	? $[\pm 1.5 \text{ cm}]$	0 3	Mackenzie Delta	Turbidity, TOC, $\text{CaCO}_3$ , pH	Slaney (1974c,e,f)
73-0023	Aquatic Env. Ltd. for Can. Arctic Gas Study Ltd.	Jun. 21, 22; Jul. 23, Aug. 6, 27; Sept. 12	Temperature Salinity	? ?		2 2	Yukon Coast (Stokes Point Lagoon)	Fish	Mann (1974)
73-0034	Ice Island NP-22	1978	Temperature Salinity	? ?		2 2	Canada Basin		Mel'nikov (1976)
73-0125	Arctic Biological Station (Beaufort Sea Project)	Jul. 21-Sept. 9	Temperature Salinity	YSI model 33 YSI model 33	$\pm .5^\circ \text{C}$ @ $\pm .7^\circ / .\text{m}$ @	3 3	Kugmallit Bay	Fish	Galbraith & Fraser (1974) Galbraith & Hunter (1975)
73-0126	Fish. & Mar. Service, Dept. Env.	Apr. 9-15	Temperature	?		2	Yukon Coast	Fish	Jones & Kendel (1973)
74-0001	F.F.Slaney & Co. Ltd. for Imperial Oil Ltd.	Mar. 11-Apr. 18	Temperature Salinity Current	YSI model 33 SCT meter Hydro-Products	$\pm ?$ , $.5^\circ \text{C}$ @ $\pm ?$ , $.7^\circ / .\text{m}$ @ $\pm ?$ , ? cm/s	3 3 2	Mackenzie Bay	$\text{SiO}_2$ , $\text{PO}_4$ , $\text{NO}_3$ , $\text{HCO}_3$ , TOC, pH, SPM, plankton, benthos, turbidity,	Slaney (1974a)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ? = Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
74-0002	MV THETA, Institute of Ocean Sciences	Aug.13-Sept.5	Temperature Salinity	Rev. therm. Autosol and Guideline 8101-8102 STD, Bisset-Berman 6230 Salinometer	$[\pm .02, .03^{\circ}]$ $[\pm .01, .02^{\circ}/\text{‰}]$ $[\pm .01, .02^{\circ}/\text{‰}]$	3 3 3	Tuktoyaktuk Shelf, Mackenzie Bay	Turbidity	Herlinveaux et al. (1976a,b)
			Current profiles	Hydro-Products Model 460	$\pm 7, 7 \text{ cm/s}$	2			
74-0003	MV ARCTICUS, F.F.Slaney & Co. for Imperial Oil Ltd.	Jul.7-Sept.29	Temperature Salinity Current Water level	YSI SCT meter HydroProducts 465A Staff	$\pm 7, .50^{\circ} \text{ @}$ $\pm 7, .7^{\circ}/\text{‰} \text{ @}$ $\pm 7, 7 \text{ cm/s}$ $\pm 7, 7 \text{ cm}$	3 3 2 2	East Mackenzie Bay	Plankton, $\text{O}_2$ , benthos, fish, pH, alk, H, Si, $\text{NO}_3$ , $\text{PO}_4$ , Ca, Mg, $\text{Cr}$ , Pb, Cd, Ni, SPM, Chl. A, turbidity	Slaney (1975)
74-0004	Institute of Ocean Sciences	Aug.3-Sept.19	Surface and ice drift	Aircraft-tracked drogues	$\pm 500\text{m}$ position	3	Mackenzie Bay, Kugmallit Bay		MacNeill & Garrett (1975)
74-0005	Institute of Ocean Sciences	May 5- Nov.16	Bottom currents Bottom pressure Temperature Salinity	Aanderaa RCM4 Aanderaa TG1 Aanderaa RCM4	$\pm 1 \text{ cm/sec}$ $\pm 10^{\circ}$ direction $[\pm .3, 3 \text{ cm}]$ $\pm 7, .15 \text{ C}^{\circ} \text{ @}$ $\pm .05, 7^{\circ}/\text{‰}$	1 3 3 3	Tuktoyaktuk Shelf, Liverpool Bay, Mackenzie Bay, Kugmallit Bay, Phillips Bay		Huggett et al. (1975) Huggett, Woodward & Douglas (1977)
74-0007A	MV THETA, Arctic Biological Station	Jul.14-Sept.2	Temperature Salinity	Rev. therm. Bisset-Berman 6230 Salinometer	$[\pm .02, .03^{\circ}]$ $[\pm .01, .02^{\circ}/\text{‰}]$	3 3	Tuktoyaktuk Shelf, Beaufort Sea	Zooplankton, $\text{O}_2$ , Chl. A, POC, nutrients, sediment, benthos, secchi depth	Grainger & Lovrity (1975)
74-0007B	Arctic Biological Station	Mar.24-Apr.1, Jul.17-Sept.7, Dec.1	Temperature Salinity	Rev. therm. YSI model 33	$[\pm .02, .03^{\circ}]$ $\pm 7, .1^{\circ}/\text{‰} \text{ @}$	3 3	Tuktoyaktuk Shelf, Kugmallit Bay, Mackenzie Bay	Plankton, $\text{O}_2$ , POC, Chl. A, fish, nutrients, benthos	Knowles & Wiseshart (1977) Hunter & Leach (1983)
74-0008	MV THETA, Ocean Chem., Inst. Ocean Sciences; Beaufort Sea Project	Aug.11-Sept.1	Temperature Salinity	Rev. therm. Autolab 601 MK 111 Salinometer	$\pm .01, .02^{\circ}$ $\pm .003, .02^{\circ}/\text{‰}$	3 3	Tuktoyaktuk Shelf,	Nutrients, $\text{O}_2$ Mackenzie Bay	Wong et al. (1981) McDonald et al. (1987)
74-0009	F.F.Slaney & Co. Ltd. for Imperial Oil Ltd.	Jan.24, Apr.10	Temperature Current	Thermistor Sevonius roter meter	$\pm 7, 7 \text{ C}^{\circ}$ $\pm 7, 7 \text{ cm/s}$	2 2	Mackenzie Delta	$\text{O}_2$ , turbidity, $\text{SO}_4$ , Cl, $\text{HCO}_3$ , Ca, pH, Mg, TH, TC, TOC, TIC, SPM, BOD, COD	Slaney (1974d)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ? = Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
74-0010A	Arctic Biological Station	Mar. 1-2, May 24-25	Temperature Salinity	Rev. therm. Bissett-Berman 6230 Salinometer	[ $\pm 0.2, .03^{\circ}$ ] [ $\pm 0.1, .02^{\circ}/\text{‰}$ ]	3 3	Eskimo Lakes	O <sub>2</sub> , Chl. A, POC, pH, PO <sub>4</sub> , NO <sub>3</sub> , NO <sub>2</sub> , SI, secchi depth	Grainger, Lovrity, & Evans (1977)
74-0010B	Arctic Biological Station	Jun. 20	Temperature Salinity	Rev. therm. Bissett-Berman 6230 Salinometer	[ $\pm 0.2, .03^{\circ}$ ] [ $\pm 0.1, .02^{\circ}/\text{‰}$ ]	3 3	Eskimo Lakes	O <sub>2</sub> , Chl. A, POC, pH, PO <sub>4</sub> , NO <sub>3</sub> , NO <sub>2</sub> , SI, secchi depth	Grainger, Lovrity, & Evans (1977)
74-0010C	Arctic Biological Station	Jul. 2- Aug. 23	Temperature Salinity	Rev. therm. Bissett-Berman 6230 Salinometer	[ $\pm 0.2, .03^{\circ}$ ] [ $\pm 0.1, .02^{\circ}/\text{‰}$ ]	3 3	Eskimo Lakes	O <sub>2</sub> , Chl. A, POC, pH, PO <sub>4</sub> , NO <sub>3</sub> , NO <sub>2</sub> , SI, secchi depth	Grainger, Lovrity, & Evans (1977)
74-0011	Aquatic Env. Ltd. for Can. Arctic Gas Study Ltd. & Alaskan Arctic Gas Study Co.	Jul. 8- Sept. 21	Temperature Salinity	YSI model 33 S-C-T Meter	$\pm 0.3^{\circ}$ $\pm 0.1^{\circ}/\text{‰}$	3 3	West of Herschel Island	O <sub>2</sub> , POC, SI, pH, plankton, TDN, TDP, Ca, Mg, Na, K, SO <sub>4</sub> , Cl, HCO <sub>3</sub> , benthos	Craig (ed, 1975)
74-0019	F.F. Slaney & Co. Ltd. for Sunoco Ltd.	Feb.-Mar.	Temperature Salinity Currents	YSI model 33 S-C-T Meter Hydro-Products 465A	$\pm 0.5^{\circ}$ @ $\pm 0.7^{\circ}/\text{‰}$ @ $\pm 0.7$ cm/s	3 3 2	(East) Mackenzie Bay	pH, HCO <sub>3</sub> , O <sub>2</sub> , turbidity, SPM, alk, Ni, Pb, Zn, Cr, Ca, Mg, CO <sub>2</sub> , benthos	Slaney (1974b)
74-0020	Freshwater Institute, Fish. & Mar. Service; Beaufort Sea Project	Mar. 22- Sept. 20	Temperature Salinity	Hach Kit Hach Chloride Kit Kahl 118 WA 300 Salinometer	? ?	1 1	Mackenzie Bay, Kugmallit Bay	Fish, O <sub>2</sub> , pH, hardness, secchi depth	Percy (1975)
74-0021	Dept. of Environment; Beaufort Sea Project	Apr. 1- Sept. 4	Temperature Salinity	YSI model 43 Telethermometer	$\pm 0.5^{\circ}$ @ $\pm 0.7^{\circ}/\text{‰}$ @	3 3	Mackenzie Bay	Fish, Co, Mn, Cd, O <sub>2</sub> , alk., Pb, pH, PO <sub>4</sub> , NO <sub>3</sub> , SI, Ca-H, TR, Cl, SO <sub>4</sub> , Fe, TR, FR, Hg, Ca, Ni, Cr, Zn	Kendel et al. (1975)
74-0022	Aquatic Env. Ltd., Arctic Gas Study	Oct. 1- Nov. 11 '74, Apr. 2-5 '75	Temperature Salinity	Mercury therm. Beckman RB 3Y147 Conductivity meter	$\pm 0.1^{\circ}$ $\pm 0.7^{\circ}/\text{‰}$	2 2	Mackenzie Delta	Fish samples, O <sub>2</sub> , pH, SPM, turbidity	Aquatic Environments Ltd. (1975)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ? = Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
74-0027A	Dickins Assoc. Ltd., Arctic Labs Ltd., & NORCOR Eng. Res. Ltd.; Beaufort Sea Project	Aug. '74-Jul. '75	Temperature Salinity	Thermistors Refractometer, YSI meter	$\pm 7, .050^{\circ}$ [ $\pm 5, .5^{\circ}/\dots$ ] $\pm 7, 1^{\circ}/\dots$	3 3 3	Balaena Bay (Franklin Bay)	plankton, HC, pH, CO <sub>2</sub>	NORCOR (1975), Dickins Assoc. Ltd., Arctic Labs Ltd. & J. Hellebust (1981)
74-0027B	CCIW: Beaufort Sea Project G2b	Sept. 5-10	Temperature Salinity	Hydrolab multiparameter system	$\pm 7, .10^{\circ}$ $\pm 7, .2^{\circ}/\dots$	3 3	Balaena Bay (Franklin Bay)	O <sub>2</sub> , light transmission, pH, ORP, biology	Adams (1974)
74-0126	Marine Environmental Data Service	Aug. 26-30	Waves	Waverider	$\pm 1.5\%$ , $\pm .5m$ @	3	Tuktoyatuk		Marine Environmental Data Service File #3-24
75-0001	Institute of Ocean Sciences	Mar. 16-May 10	Temperature	Guildline 8202-8201	$\pm 7, .020^{\circ}$	3	Banks Island & Tuktoyatuk Cont. Shelves, Mackenzie Bay	Turbidity	Herlinveaux, de Lange Boom, & Wilton (1976a, 1976b)
			Salinity	CTD	$\pm 7, .02^{\circ}/\dots$	3			
			Temperature	Hydrolabs	$\pm 7, 10^{\circ}$ @	1			
			Salinity	TC 2	$\pm 7, 1^{\circ}/\dots$ @	3			
			Current profiles	Hydro-Products Model 460	$\pm 7, ?$ cm/s	3			
75-0002	MV PANDORA II, Arctic Marine Sciences, Inst. Ocean Sciences	Aug. 5-24	Temperature	Guildline 8101-8202 CTD	[ $\pm .001, .010^{\circ}$ ]	3	Tuktoyatuk Shelf, Mackenzie Bay	Turbidity	Herlinveaux, de Lange Boom, & Wilton (1976a, 1976b)
			Salinity	Rev. therm., Autosol Bench Salinometer	[ $\pm .001, .02^{\circ}/\dots$ ] [ $\pm .02, .030^{\circ}$ ] [ $\pm .01, .02^{\circ}/\dots$ ]	3			
			Current profiles	Hydro-Products Model 460	$\pm 7, ?$ cm/s	3			
75-0003	Institute of Ocean Sciences	Jul. 27-Sept. 10	Surface drift	Aircraft-tracked drogues	$\pm 500$ m position	3	Tuktoyatuk Shelf		MacNeill & Garrett (1975)
75-0004	MV WILSON III, MV ARCTICUS, F.F. Slaney & Co. Ltd., for Imper. Oil Ltd.	Jul. 8-Aug. 20	Temperature	YSI SCT meter	$\pm 7, .50^{\circ}$ @	3	Mackenzie Bay, Kugmallit Bay	plankton, fish, O <sub>2</sub> , CO <sub>2</sub> , pH, atk., HCO <sub>3</sub> , CO <sub>3</sub> , H, SM, T-SPM, F-SPM, V-SPM, T-DS, V-DS, CI, PO <sub>4</sub> , Ca, NO <sub>3</sub> , Mg, Cr, Cd, Pb, Ni, Si, TC, TOC, TIC, Chl. A	MacDonald & Martin (1975)
			Salinity		$\pm 7, .7^{\circ}/\dots$ @	3			
			Current	Hydro-Products 465A	$\pm 7, ?$ cm/s	3			
75-0005A	AIDJEX Main Experiment	Apr. 4, '75-Apr. 25, '76	Temperature	Plessey 9040	$\pm 7, .050^{\circ}$	3	Canada Basin		Bauer et al. (1980)
			Salinity	STD/CTD	$\pm 7, .04^{\circ}/\dots$	3			



TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
75-0005B	AIDJEX Main Experiment	Apr.8,'75-Apr.22,'76	Current profiles	TSK	$\pm$ ?speed $\pm$ 6° direction	3	Canada Basin		Manley et al. (1980)
75-0005C	AIDJEX Main Experiment	?	Current	Hydro-Products	? ? cm/s	2	Canada Basin		NOOC-hourly values
75-0006	MV PANDORA II, Ocean Chemistry, Institute of Ocean Sciences	Aug.5-23	Temperature Salinity	Rev. therm. Autolab 601 MK111	$\pm$ .01, .02°C $\pm$ .003, .02°/∞	3 3	Tuktoyaktuk Shelf, Mackenzie Bay	O <sub>2</sub> , SPM, biota, sediment, PO <sub>4</sub> , plankton, NO <sub>3</sub> , Si, alk <sub>t</sub> , V, PAH, Hg	Wong et al. (1981) McDonald et al. (1987)
75-0007	Institute of Ocean Sciences	Jan.1-Sept.19	Currents (bottom) Water level	Aanderaa RCM4 Aanderaa TG1A, TG2A	$\pm$ 1 cm/sec, $\pm$ 10° direction [ $\pm$ .3, .3 cm]	1 3	Herschel Is., Kugmallit Bay, Tuktoyaktuk Shelf		Huggett et al. (1975) Huggett et al. (1977) Henry and Foreman (1977)
75-0008	Canadian Hydrographic Service	Jul.10-Sept.19	Water level	Temporary shore-based tide gauges	$\pm$ 1, 10 cm	3	Thetis Bay, Phillips Bay, Mackenzie Bay, Liverpool Bay, McKinley Bay		Canadian Hydrographic Service, Henry and Foreman (1977)
75-0009	MV THETA, Arctic Biol. Station	Aug.20-Sept.9	Temperature Salinity	Rev. therm. Bench Salinometer	[ $\pm$ .02, .03°C] [ $\pm$ .01, .02°/∞]	3 3	Tuktoyaktuk Cont. Shelf, West Mackenzie Bay	plankton, benthos, SPM	Bornhold (1975)
75-0010A	Arctic Biological Station	Feb.28-29	Temperature Salinity	Rev. therm. Bisset-Berman 6230 Salinometer	[ $\pm$ .02, .03°C] [ $\pm$ .01, .02°/∞]	3 3	Eskimo Lakes	O <sub>2</sub> , PO <sub>4</sub> , Si, NO <sub>3</sub> , Chl. A, pH, secchi depth, plankton, POC	Grainger, Lovrity and Evans (1977)
75-0010B	Arctic Biological Station	Jun.15-Jul.21	Temperature Salinity	Rev. therm. Bisset-Berman 6230 Salinometer	[ $\pm$ .02, .03°C] [ $\pm$ .01, .02°/∞]	3 3	Eskimo Lakes	O <sub>2</sub> , PO <sub>4</sub> , Si, NO <sub>3</sub> , Chl. A, pH, secchi depth, plankton, POC	Grainger, Lovrity & Evans (1977)
75-0011	F.F.Slaney & Co. Ltd., for Imper. Oil Ltd.	Apr.9-Sept.29	Temperature Conductivity Water level Current profiles	Lambrecht therm. YSI SCT meter Stevens model 68 Hydro-Products	$\pm$ ? , ? °C $\pm$ ? , ? °/∞ $\pm$ ? , ? cm $\pm$ ? , ? cm/s	3 3 3 3	Taglu, Richards Is. (Mackenzie Delta)	O <sub>2</sub> , pH, T-SPM, F-SPM, V-SPM, T-DS, F-DS, V-DS, HCO <sub>3</sub> , CI, SO <sub>4</sub> , PO <sub>4</sub> , NO <sub>3</sub> , Cd, Fe, Ca, Mg, Cr, Pb, Ni, As, Fe, TC, TOC, TIC, CO <sub>2</sub> , SM, BOD	Slaney (1976)
75-0012A	MV PANDORA II, & Helicopter, Arctic Biol. Station	Apr.26-May 10 & Jun.17-Jul.17	Temperature Salinity	Rev. therm. Bisset-Berman 6230 Salinometer	[ $\pm$ .02, .03°C] [ $\pm$ .01, .02°/∞]	3 3	Tuktoyaktuk Cont. Shelf, Mackenzie Bay	plankton, benthos, O <sub>2</sub> , Chl. A, PO <sub>4</sub> , Si, sediment, NO <sub>3</sub>	Grainger & Lovrity (1975)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ? = Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
75-00128	Arctic Biological Station	May 10-Aug.25	Temperature Salinity	Rev. therm. Refractometer	[ $\pm 0.2, .03C^{\circ}$ ] $\pm 1.0\%$	3 3	Tuktoyaktuk Cont. Shelf, Kugmallit Bay	Fish, benthos	Hunter & Leach (1983)
75-0024	Freshwater Institute, Fish. & Mar. Ser.; Beaufort Sea Project	Mar. 8-18	Temperature Salinity	Hach Kit Hach chloride Kit, Kahl 118 WA 300 Salinometer	$\pm ?$ , $? C^{\circ}$ $\pm ?$ , $? \%$	1 1	Mackenzie Bay, Kugmallit Bay	Fish, $O_2$ , pH, alk, secchi depth	Percy (1975)
75-0025	Fish. & Mar. Ser., Dept. of Environment, Beaufort Sea Project	May 5-Aug. 9	Temperature Salinity	YSI model 43 Telethermometer YSI model 33 SCT meter	$\pm ?$ , $.5C^{\circ}$ @ $\pm ?$ , $.7 \%$ @	2 2	Mackenzie Bay to Kay Point	Fish $O_2$ , benthos, pH, alk., TR, $PO_4$ , acid $H_2PO_4$ , TH, organic $PO_4$ , Fe, Ca, H, Si, Cl, $SO_4$ , TKN, $NH_4$ , organic N, $NO_3$ , Hg, Cu, Ni, Cr, Co, Mn, Cd, Pb	Kendel et al. (1975)
75-0026	Norcor Engineering & Research Ltd. for Beaufort Sea Project	Apr. 12-13, Dec. 10	Temperature Salinity	YSI SCT meter	$\pm ?$ , $.5C^{\circ}$ $\pm ?$ , $.8 \%$	3 3	Cape Parry (Balaena Bay?)	HC, pH, $CO_2$ , plankton, $O_2$ , benthos	Norcor Engineering & Research Ltd. (1975) Dickins et al. (1981)
75-0028	Glaciology Div., Inland Waters Dir., D.O.E.	May 24-Jun. 25	Temperature Salinity	Hydrolabs TC-2	$\pm ?$ , $.05C^{\circ}$ $\pm ?$ , $.5 \%$	3 3	Franklin Bay (Balaena Bay)	pH, Cl, $O_2$ , Ca, Cl, Mg, $NO_3$ , $PO_4$ , K, Na, $SO_4$ , algae, plankton	Adams (1975)
75-0042	Aquatic Env. Ltd. for Can. Arctic Gas Study Ltd.	Jul. 1-Sept. 22	Temperature Salinity Water level	Thermometer Beckman RB4 Staff	$\pm ?$ , $.5C^{\circ}$ $\pm ?$ , $5\%$ $\pm ?$ , $? cm$	3 3 3	Mackenzie Delta	Fish, benthos, $O_2$ , metals, secchi depth SPM	De Graaf & Machniak (1977)
75-0043	Beak Consultants for Can. Mar. Drilling Ltd.	Jul. 20	Temperature Salinity	? ?		2 2	Tuktoyaktuk Harbour	$O_2$ , pH, HC, metals, benthos, seals, turbidity	Beak Consultants (1975)
75-0047	Arctic Biological Station	Jul. 10-28	Temperature	?		2	Beaufort Sea, Amundsen Gulf		Arctic Biological Station (field notes)
75-0050	F.F. Stanley & Co. Ltd. for Imperial Oil Ltd.	Jun. 23-Aug. 7	Temperature Water level	? ?		2 2		Fish, mammals, birds	Stanley (1976)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?-Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
75-0146	Marine Environmental Data Service	Aug.8-Sept.6	Waves	Waverider	$\pm 1.5\%, \pm .5 \text{ m @}$	3	Tuktoyaktuk		MEDS File #3-2M
76-0001	Canadian Marine Drilling Ltd.	Aug.9-Oct.12	Temperature	Bathythermograph	$\pm ? .10^\circ$	3	Tuktoyaktuk Cont. Shelf (Tingmiark & Kopanar drill sites)	Turbidity	Canadian Marine Drilling Ltd. (1977a) Fissel (1981) Lemon & Kowalski (1982)
			Salinity	?		2			
			Currents (subsurface)	Hydro-Products 950, Cushing Electro-magnetic Waverider	$\pm 1.5 \text{ cm/sec}, \pm 11^\circ$ $\pm 4 \text{ cm/sec}$	1			
76-0002	Canadian Hydrographic Service	Jul.7-Sept.10	Wave	Waverider	?	0			
76-0002	Canadian Hydrographic Service	Jul.7-Sept.10	Water level	Temporary shore based tide gauges	$\pm 1.5 \text{ cm}$	2	Eskimo Lakes, Mackenzie Bay, Banks Island Cont. Shelf, Amundsen Gulf		Canadian Hydrographic Service, Henry & Foreman (1977)
76-0003	MV ARCTICUS, MV J.S. KEEN, F.F.Slaney & Co., for Imperial Oil Ltd.	Jul.17-Sept.7	Temperature	YSI SCT meter	$\pm ? .50^\circ \text{ @}$	3	Kugmallit Bay (Arnak site & Tuft Point)	O <sub>2</sub> , plankton, sediment, fish, benthos, O <sub>2</sub> , pH, HCO <sub>3</sub> , H, T-SPM, F-SPM, V-SPM, Cl, T-DS, F-DS, V-DS, PO <sub>4</sub> , NO <sub>3</sub> , Ca, Mg, Cr, Cd, Pb, Ni, Si, TC, TOC, TIC	Slaney (1977b,c)
			Salinity	YSI SCT meter	$\pm ? .7^\circ/\text{‰} \text{ @}$	3			
			Current	Hydro-Products	$\pm 1.5 \text{ cm/sec}, \pm 11^\circ$	3			
76-0004	MV ARCTICUS, F.F.Slaney & Co. Ltd. for Imperial Oil Ltd.	Apr.14, Aug.14-Sept.7	Temperature	YSI SCT meter	$\pm ? .50^\circ \text{ @}$	3	Tuktoyaktuk Cont. Shelf, Mackenzie Bay	Turbidity, O <sub>2</sub> , alk., H, SM, Cl, T-SPM, F-SPM, Cu, V-SPM, T-DS, Mg, F-DS, V-DS, Cr, Pb, Ni, Si, TC, Cd, TOC, TIC, Chl. A, sediment, benthos	Slaney (1977a)
			Salinity	YSI SCT meter	$\pm ? .7^\circ/\text{‰} \text{ @}$	3			
			Current profiles	?		2			
76-0020	MV SALVELINUS, Arc. Biol. Stn.	Jul.19-Aug.24	Temperature	Rev. therm.	$[\pm .02, .030^\circ]$	3	Kugmallit Bay, Liverpool Bay, Mackenzie Bay	Fish, secchi depth	Hunter & Leach (1983)
			Salinity	Refractometer	$\pm ? .1.0^\circ/\text{‰}$	3			

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ? = Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
76-0036	F.F.Slaney & Co. Ltd. for Gulf Oil Canada	Jun. 24- Sept. 19	Temperature Salinity	Thermometer YSI bridge	$\pm 7, .10^\circ$ $\pm 7, 7 \text{ ‰}$	3 3	Eskimo Lakes	Turbidity, secchi depth, Chl.A, nutrients, O <sub>2</sub> , SPM, fish, birds, plankton, benthos, sound-lings	Martin, Poulin & Bradley (1976), Chambers & Bradley (1976), Slaney (1977d)
76-0123	MEDS	Aug. 8- Oct. 10	Waves	Waverider	$\pm 1.5\%, \pm .5 \text{ m}$	3	Tuktoyaktuk Cont. Shelf		MEDS File #25-1M, #50-1M
77-0001	Helicopter, F.F.Slaney & Co. Ltd., for Freshwater Institute	Jul. 4- Aug. 11	Temperature Salinity	Hydrolab TC-2	$\pm 10^\circ \text{ } \emptyset$ $\pm 1 \text{ ‰} \text{ } \emptyset$	3 3	Mackenzie Bay	Turbidity, O <sub>2</sub> , whole obs.	Fraker et al. (1979)
77-0002	Aquatic Env. Ltd. for Imperial Oil Ltd.	Jul. 16- Sept. 2	Temperature Salinity	Thermometer Beckman bridge, titration	$\pm 7, 7^\circ \text{ } \emptyset$ $\pm 7, 7 \text{ ‰} \text{ } \emptyset$ $\pm 7, 7 \text{ ‰} \text{ } \emptyset$	3 3	Tuktoyaktuk Peninsula Coastline	Fish, benthos, turbidity, O <sub>2</sub> , SPM, pH, plankton	Jones & Best (1977) Aquatic Environments Ltd. (1977)
77-0003	MV PANDORA II, Ocean Chemistry Institute of Ocean Sciences	Aug. 11- Sept. 6	Temperature Salinity	Rev. therm. Autolab Salinometer	$\pm .01, .02^\circ \text{ } \emptyset$ $\pm .003, .02 \text{ ‰} \text{ } \emptyset$	3 3	Amundsen Gulf	O <sub>2</sub> , plankton, PO <sub>4</sub> , NO <sub>3</sub> , Si, SPM, Hg, sediment sampling	Macdonald et al. (1978)
77-0004	Canadian Marine Drilling Ltd.	Jul. 10- Oct. 22	Temperature Salinity Sub-surface currents Waves	Hydrolab C/T Sensor, BT Cushing Electro- magnetic, Hydro- Products 950 Waverider	$\pm 7, 10^\circ \text{ } \emptyset$ $\pm 7, 1 \text{ ‰} \text{ } \emptyset$ $\pm 4 \text{ cm/sec}$ $\pm 1.5 \text{ cm/sec}, \pm 11^\circ$ $\pm 1.5\%, \pm .5 \text{ m}$	3 3 1 3	Tuktoyaktuk Cont. Shelf	Turbidity	Canadian Marine Drilling Ltd. (1977b), Lemon & Kowalski (1982), Fissel (1981) MEDS File #192-2, #193-3M (Waves)
77-0005	Canadian Hydrographic Service	Jul. 5- Sept. 11	Water level	Temporary shore-based tide gauges	$\pm 1, 10 \text{ cm}$	2	Amundsen Gulf, Liverpool & Mackenzie Bays		Canadian Hydrographic Service (Stn. 5499)
77-0009A	MV IMPERIAL IMERK, Envirocon Ltd. for Imperial Oil Ltd.	Jul. 26- Aug. 29	Temperature Salinity Current profiles	YSI model 33 SCT meter Hydro-Products 9605	$\pm 7, .10^\circ$ $\pm 7, .7 \text{ ‰} \text{ } \emptyset$ $\pm 3\% \text{ accuracy}$	3 3 3	Tuktoyaktuk Cont. Shelf (Isserk Is.)	O <sub>2</sub> , alk., NO <sub>3</sub> , NO <sub>2</sub> , NH <sub>3</sub> , SPM, PO <sub>4</sub> , Si, plankton, secchi depth, benthos, fish, secchi depth, Chl.A	Envirocon Ltd. (1977)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
77-0009B	MV <u>ARCTIC PELLY</u> Imperial Oil Ltd.	Aug. 11-Sept. 16	Waves	Waverider	$\pm 1.5\%, \pm .5 \text{ m @}$	3	Tuktoyaktuk Cont. Shelf (Isserk Is.)		MEDS File #194-1, 194-1A
77-0010	CANMAR <u>SUPPLIER V.</u> Seakem Ocean., for Dome Petroleum Ltd.	Sept. 12-Oct. 4	Conductivity	Cond. bridge	?	0	Tuktoyaktuk Cont. Shelf (Tingmiark K-91 drill site)	Cd, Cr, Cu, Pb, Zn, Fe, Ni, Hg, Ca, Mg, Na, K, SO <sub>4</sub> , Ba, sulphide, sediment	Thomas (1977)
77-0020	Dept. Fisheries & Oceans (Pac. Region)	Jul. 27-Aug. 1	Temperature Salinity	? ?		2 2	Mackenzie Bay	Benthos, fish	Hillaby (1977)
77-0035	MV <u>SALVELINUS</u> , Arc. Biol. Stn.	Jul. 21-Aug. 23	Temperature Salinity	Rev. therm. Refractometer	[ $\pm .02, .030^\circ$ ] $\pm ? . 1.0^\circ / ..$	3 3	Beaufort Sea Coastal Zone	Benthos, fish	Hunter & Leach (1983)
77-0123	MEDS/Gulf	Aug. 15-Oct. 10	Waves	Waverider	$\pm 1.5\%, \pm .5 \text{ m @}$	3	Tuktoyaktuk Cont. Shelf		MEDS File #190-2M #191-1M
78-0001	Canadian Marine Drilling Ltd.	Jul. 15-Oct. 10	Temperature Salinity Sub-surface currents Waves	Hydrolab CT Sensor? Hydro-Products 950 Waverider	$\pm ? . 10^\circ @$ $\pm ? . 1^\circ / .. @$ $\pm 1.5 \text{ cm/sec}$ $\pm 11^\circ \text{ direction}$ $\pm 1.5\%, \pm .5 \text{ m}$	2 2 1 3	Tuktoyaktuk Cont. Shelf, Mackenzie Bay (Ukalark, Kopanoar & Kagiulik sites)	Turbidity	Fissel (1981) Lemon & Kowalski (1982) MEDS File #192-2 (Wave) #196-2
78-0002	MV CANMAR, <u>SUPPLIER V.</u> Seakem Ocean. for Can. Marine Drilling Ltd.	Jul. 15-19, Sept. 23-24	Temperature Salinity	Applied Micro-systems CTD-12	$\pm ? . .060^\circ$ $\pm ? . .04^\circ / ..$	3 3	Tuktoyaktuk Cont. Shelf (Tingmiark drill site)	Fe, Cu, Zn, Cd, Ni, Cr, Pb, Hg, Ba, Na, K, Mg, Ca, SO <sub>4</sub> , pH, O <sub>2</sub> , benthos, sediment, plankton	Thomas (1978a)
78-0018	Seakem Ocean. Ltd., for Can. Mar. Drilling Ltd.	Jul. 20	Temperature Salinity	Applied Micro-systems CTD-12	$\pm .005, .080^\circ$ $\pm .03, .04^\circ / ..$	3 3	Mackenzie Bay (Tarsiat drill site)	Plankton, Ca, Cu, sediment, SO <sub>4</sub> , zoobenthos, Fe, Zn, Cd, Ni, Cr, Pb, Hg, pH, Na, Mg, K	Thomas (1978c)
78-0019	Canadian Marine Drilling Ltd.	Jul. 29-30	Temperature Salinity	Applied Micro-system CTD-12	$\pm .006, .080^\circ$ $\pm .03, .04^\circ / ..$	3 3	Tuktoyaktuk Cont. Shelf (Kagiulik A-75 drill site)	Sediments, O <sub>2</sub> , Fe, Cu, Zn, Cd, Ni, Cr, Pb, Hg, pH, Na, Mg, K, Ca, SO <sub>4</sub>	Thomas (1978b)
78-0031	Freshwater Institute	Jun. 26-29, Sept. 7-4	Temperature Salinity	YSI meter or Beckman RS5-3	$\pm ? . .50^\circ$ $\pm ? . .7^\circ / ..$	3 3	Tuktoyaktuk Peninsula Coastline	Metals, O <sub>2</sub> , Chl. A, alk, pH, fish, nutrients	Lawrence, Lacho & Davies (1984)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?=Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
78-0113	MEDS/Gulf?	Aug. 4-13	Waves	Waverider	$\pm 1.5\%, \pm .5 \text{ m @}$	1	Tuktoyaktuk Cont. Shelf		MEDS File #198-2M,
78-0114	Canadian Hydrographic Service	Jul. 24-Aug. 30	Water level	Aanderaa TG2A	$[\pm .3, 3 \text{ cm}]$	3	Cape Parry		On file at Tides & Currents, IOS
79-0001	Institute of Ocean Sciences	Nov. 25-30	Temperature Salinity	Gulldline Model 8706-87102 CTD	$\pm .005, .01\text{C}^\circ$ $\pm .005, .02\text{‰}$	4 4	Canada Basin		Melling (1983)
79-0002	Canadian Marine Drilling Ltd., US Coast Guard	Aug. 13-Oct. 15	Surface drift	Satellite-tracked drifters (RAMS)	$\pm 5 \text{ km position}$	3	Canada Basin		Murphy Lissauer and Myers (1983)
79-0003	Canadian Marine Drilling Ltd.	Jul. 13-Oct. 21	Temperature Salinity Currents	Hydrolab CT Sensor, CTD-12 Hydro-Products 950 Marsh-McBirney Waverider	$\pm 7, 1\text{C}^\circ @$ $\pm 7, 1\text{‰}$ $\pm 1.5 \text{ cm/s}, \pm 11^\circ$ $\pm 4 \text{ cm/s}$ $\pm 1.5\%, \pm .5 \text{ m}$	3 3 1 3	Tuktoyaktuk Cont. Shelf, Herschel Is.	Turbidity	Canadian Marine Drilling Ltd. (1979) Fissel (1981) Lemon & Kowalski (1982)
79-0004	Canadian Marine Drilling Ltd.	Nov. 27-Dec. 16	Currents (under ice)	Drifting buoy carrying Aanderaa RCM 4	$\pm 1 \text{ cm/s}$ $\pm 10^\circ \text{ direction (relative)}$	3	Tuktoyaktuk Cont. Shelf		Canadian Marine Drilling Ltd.
79-0005	MV ARCTIC HOOPER, Arc.Lab.Ltd.for Can.Mar.Drill. Ltd.	May 21-Sept. 19	Temperature Salinity	Applied Micro-systems CTD-12	$\pm 7, .04\text{C}^\circ$ $\pm 7, .08\text{‰}$	3 3	Amundsen Gulf (Summer's Harbour)	Sediment, COD, transparency, SPM	Thomas (1979a)
79-0007	MV CANMAR SUPPLIER, Arc.Lab.Ltd.for Can.Mar.Drill. Ltd.	Jul. 22	Temperature Salinity	Applied Micro-systems CTD-12	$\pm 7, .04\text{C}^\circ$ $\pm 7, .04\text{‰}$	3 3	Tuktoyaktuk Cont. Shelf (Kilannak A-77 drill site)	Fe, Cu, Zn, Cd, Ni, Cr, Pb, Hg, sediment, benthos	Thomas (1979b)
79-0009	MV CANMAR SUPPLIER V, Arc.Lab.Ltd.for Can.Mar.Drill. Ltd.	Sept. 9	Temperature Salinity	Applied Micro-systems CTD-12	$\pm .01, .04\text{C}^\circ$ $\pm .03, .04\text{‰}$	3 3	Tuktoyaktuk Cont. Shelf (Nerlerk M-98 drill site)	Plankton, SPM, Fe, Zn, Cu, Cr, Ni, Pb, Cd, Cl, turbidity	Thomas (1979d)
79-0010	Arc.Lab.Ltd.for Can.Mar.Drill. Ltd.	Sept. 25-27	Temperature Salinity	Applied Micro-systems CTD-12	$\pm 7, .04\text{C}^\circ$ $\pm 7, .09\text{‰}$	3 3	McKinley Bay	O <sub>2</sub> , SPM, pH, transparency	Thomas (1979c)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?-Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
79-0016	Canadian Hydrographic Service	Aug.'79-Aug.'80	Water level	Aanderaa TG2A	[ $\pm 3,3$ cm]	3	Cape Parry		On file at Tides & Currents, IOS
79-0026	Arc.Lab.Ltd.for Dome Petroleum Ltd., Oil Under Ice Study-Phase 1	Dec.13 Dec.9-19	Temperature Salinity Currents	Thermistor chains YSI 33 SCT Aanderaa RCM-4	$\pm 7, .05^\circ$ $\pm 7, .6$ to $2.1/\text{‰}$ $\pm 3$ cm/s	3 3 3	Tuktoyaktuk Cont. Shelf (McKinley Bay)	Benthos, HC, fish, sediment, algae, birds, mammals, $O_2$	Dickins & Bulet (1981) Humphrey (1980)
79-0037	Freshwater Institute	Jun.28-Sept.18	Temperature Salinity	Beckman RS5-3	$\pm 7, .5^\circ$ $\pm 7, .7/\text{‰}$	3 3	Tuktoyaktuk Cont. Shelf	Chl.A, $O_2$ , benthos, pH, alk, SPM, Ca, Fe, Mg, Na, TDN, TDP, fish	Lawrence, Lacho & Davies (1984)
79-0120	MEDS/Gulf/Esso?	Aug.19-Oct.15	Waves	Waverider	$\pm 1.5\%$ , $\pm 5$ m @	3	Tuktoyaktuk Cont. Shelf (Issungnak)		MEDS File #198-2M
79-0121	C-Core	September	Surface drift	Drift cards		3	Beaufort Sea		Diamond, Reimer & Barrie (1982)
80-0001	Canadian Marine Drilling Ltd., US CoastGuard	Aug.13-Oct.24	Surface drift	Satellite-tracked drogued drifters (Argos)	$\pm 1.2$ km position	4	Tuktoyaktuk Cont. Shelf		Murphy, Lissauer & Myers (1983)
80-0002	Canadian Marine Drilling Ltd.	Jul.2-Oct.3	Temperature Salinity Currents Wave	Hydrolabs CTD probe, Applied Micro-systems CTD-12 Hydro-Products, Marsh McBirney Waverider	$\pm 7, .10^\circ$ $\pm .02$ to $.5^\circ$ $\pm .07$ to $1.5/\text{‰}$ $\pm 1.5$ cm/s, $\pm 11$ cm/s $\pm 1.5$ , $\pm 5$ m @	3 3 1 3	Tuktoyaktuk Cont. Shelf		Canadian Marine Drilling Ltd. (1980) Lemon & Kowalski (1982) MEDS File #202 & #200-3M (Waves)
80-0003	MV BEAUFORT SEA EXPLORER; IMPERIAL ADGO; ZANEN F-15, Arc. Lab.Ltd. for Dome Petroleum Ltd.	Jul.4-Sept.26	Temperature Salinity	Applied Micro-systems CTD-12	$\pm .01, .04^\circ$ $\pm .03, .09/\text{‰}$	3 3	McKinley Bay	$O_2$ , SPM, TOC, turbidity	Thomas (1980)
80-0004	Arc.Lab.Ltd.for for Dome Petroleum	Jul.10-12, Aug.12-15, Aug.27-Sept.7, Sept.24-26	Temperature Salinity	Applied Micro-systems CTD-12	$\pm .01, .03^\circ$ $\pm .03, .04/\text{‰}$	3 3	Tuktoyaktuk Harbour	$O_2$ , SPM, sediments, benthos, transparency	Thomas et al. (1981)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ? = Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
80-0011B	Canadian Hydrographic Service	Aug.'80-Jul.'81	Water level	Aanderaa TG2A	[ $\pm 3,3$ cm]	3	Cape Parry		On file at Tides & Currents, IOS
80-0016A	Dome Petroleum (Oil Under Ice Study, Phase 2)	Apr. 3-13	Temperature	Thermistor chain, YSI 33 SCT	$\pm 7, .05^\circ$ $\pm 7, 7^\circ \text{C}$	1	McKinley Bay	Plankton, HC	Dickins & Bulst (1981)
			Salinity	YSI 33 SCT	$\pm 6$ to $2.1\%$	1			
			Current	Aanderaa RCM-4	$\pm 3$ cm/s	3			
80-0016B	Dome Petroleum (Oil Under Ice Study, Phase 2a)	Apr. 26-May 3	Temperature	Thermistor chain, YSI 33 SCT	$\pm 7, .05^\circ$ $\pm 7, 7^\circ \text{C}$	1	McKinley Bay	Plankton, HC	Dickins & Bulst (1981)
			Salinity	YSI 33 SCT	$\pm 6$ to $2.1\%$	1			
			Current	Aanderaa RCM-4	$\pm 3$ cm/s	3			
			Water level	Cushing EM Sounding line	$\pm 2$ cm/s threshold, $\pm 20$ cm	3			
80-0025	LGL for US Bureau Land Mgmt. (Bowhead Whale Study)	Aug. 14-27, Sept. 6	Temperature	Hydrolab system 8000	$\pm 7, .1^\circ$	3	Cont. Shelf, Yukon Coast	Benthos, HC, fish, plankton, whale, obs.	Griffiths (1981) Griffiths & Buchanan (1982)
			Salinity		$\pm 7, .1\%$	3			
80-0028	Dome Petroleum Ltd. (Oil Under Sea Ice Study - Phase 3)	May 21-Jul. 8	Temperature	YSI meter	$\pm 7, 7^\circ \text{C}$	2	McKinley Bay	Plankton, fish, birds, mammals,	Dickins & Bulst (1980)
			Salinity	YSI meter	$\pm 7, 7\%$	2			
80-0041	MV ARCTIC DAWN, Dobrocky Seatech Ltd. for Dome Petroleum	Aug. 11-Sept. 28	Temperature	YSI 33 SCT	$\pm 7, .1^\circ$	3	Kugmallit Bay	Fish	Byers & Kashino (1980)
			Salinity	YSI 33 SCT	$\pm 7, .7\%$	3			
80-0110	Freshwater Institute	Jul. 2-7, Aug. 1-6, Sept. 6-10	Temperature	Beckman RS5-3	[ $\pm 7, .5^\circ$ ]	3	Tuktoyaktuk Cont. Shelf (Richard's Is. Coastline)	Chl. A, $\text{O}_2$ , pH, alk, SPM, TDN, TDP, Ca, Fe, Mg, Na, fish	Lawrence, Lacho & Davies (1984)
			Salinity	Beckman RS5-3	[ $\pm 7, .7\%$ ]	3			
81-0001	Institute of Ocean Sciences	Mar. 18-Apr. 17, Mar. 23-Aug. 16	Temperature	Gulldine 8706	$\pm 0.01, .003^\circ$	4	Canada Basin, Tuktoyaktuk Cont. Shelf, Banks Is. Shelf		Frozen Sea Research Group, Institute of Ocean Sciences
			Salinity	87102 CTD	$\pm 0.01, .01\%$				
			Sub-surface currents	Aanderaa RCM 4	$\pm 1$ cm/s	3			
			Temperature	Aanderaa RCM-4	$\pm 10^\circ$ direction				
			Salinity		$\pm 7, .15^\circ$ $\pm 0.7, 7\%$	3 3			
81-0002A	Arctic Sciences Ltd. for Dome Petroleum Ltd.	Jan. 18-Aug. 4	Sub-surface currents	Aanderaa RCM-4	$\pm 1$ cm/s	3	Tuktoyaktuk Cont. Shelf (Tarsut & Uviluk drill sites)		Canadian Marine Drilling Ltd. Flassel, Wilton & Knight (1981)
			Temperature	Aanderaa RCM-4	$\pm 7, .15^\circ$	3			
			Salinity		$\pm 0.7, 7\%$	3			



TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?-Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
81-0002B	Arctic Sciences Ltd. for Dome Petroleum Ltd.	Aug.11'81- Sept.24'82	Current Temperature Salinity	Aanderaa RCM-4 Aanderaa RCM-4 Aanderaa RCM-4	$\pm 1$ cm/s, $\pm 10^\circ$ $\pm 2$ , $\pm 15^\circ$ $\pm .07, ?^\circ/\dots$	3 3 3	Tuktoyaktuk Cont. Shelf (Tarsliut)		Birch, Fissel & Wilton (1982)
81-0002C	MV CANMAR EXPLORER II, III, and IV	Jul.-Oct.	Wave Current Temperature Salinity	Waverider Aanderaa, ACM2 CTD	$\pm 1.5\%$ , $\pm .5$ m @ $\pm 2$ , $2$ cm/s $\pm 2$ , $2$ $^\circ$ $\pm 2$ , $2$ $^\circ/\dots$	2 2 2 2	Tuktoyaktuk Cont. Shelf (Irkaluk, Issungnak, Kookook, Kopanoar, Kenalook, Kilannak)	Weather, sea state, sea surface temperatures	Wave-MEDS #196-2M #201, #202, & #204; Canmar archive tape
81-0003A	Helicopter, Arc. Lab. Ltd. for Esso, Gulf, & Dome	Mar.7-9	Temperature Salinity	Rev. therm. Salinometer	$[\pm .02, .03^\circ]$ $[\pm .01, .02^\circ/\dots]$	3 3	Tuktoyaktuk Cont. Shelf	O <sub>2</sub> , SPM, HC, Zn, nutrients, Cu, Hg, Cd, Cr, PO <sub>4</sub> , NO <sub>3</sub> , SI, PAH, TOC, POC, DOC, alk., sediment, plankton	Erickson et al. (1983)
81-0003B	Helicopter, Arc. Lab. Ltd. for Esso, Gulf, & Dome	May 13-16	Temperature Salinity	Applied Micro-systems CTD-12	$\pm .01, .03^\circ$ $\pm .03, .04^\circ/\dots$	3 3	Tuktoyaktuk Cont. Shelf	Zn, Cu, Hg, Cd, Cr, O <sub>2</sub> , PO <sub>4</sub> , NO <sub>3</sub> , SI, SPM, PAH, TOC, DOC, POC, alk., plankton,	Erickson et al. (1983)
81-0003C	MV SEQUEL, Arc. Lab. Ltd. for Esso, Gulf, & Dome	Jul.24-26 Jul.24- Sept.23	Temperature Salinity Temperature	Applied Micro-systems CTD-12 Thermistor chain	$\pm .01, .03^\circ$ $\pm .03, .04^\circ/\dots$ $\pm 2$ , $2^\circ$	3 3 2	Tuktoyaktuk Cont. Shelf	Zn, Cu, Hg, Cd, Cr, O <sub>2</sub> , PO <sub>4</sub> , NO <sub>3</sub> , SI, SPM, PAH, TOC, DOC, POC, alk., plankton, benthos	Erickson et al. (1983)
81-0003D	Helicopter, Arc. Lab. Ltd. for Esso, Gulf, & Dome	Sept.25, Oct.10'	Temperature Salinity	Applied Micro-systems CTD-12	$\pm .01, .03^\circ$ $\pm .03, .04^\circ/\dots$	3 3	Tuktoyaktuk Cont. Shelf	Zn, Cu, Hg, Cd, Cr, O <sub>2</sub> , PO <sub>4</sub> , NO <sub>3</sub> , SI, SPM, PAH, TOC, DOC, POC, alk., plankton, benthos	Erickson et al. (1983)
81-0006	Canadian Marine Drilling Ltd.	April	Under-ice currents	Drifting buoy carrying Aanderaa RCM-4	$\pm 1$ cm/s $\pm 10^\circ$ direction (relative)	2	Beaufort Sea		Canadian Marine Drilling Ltd.
81-0013	Arc. Lab. Ltd. for Dept. of Local Govt. NWT	Jun.21- Jul.7	Temperature Salinity	Applied Micro-systems CTD-12	$\pm .01, .03^\circ$ $\pm .03, .04^\circ/\dots$	3 3	Tuktoyaktuk Harbour	SPM, O <sub>2</sub>	Erickson & Pett (1981)
81-0015	Arc. Lab. Ltd. for Arctic Biological Stn.	May 15- Sept.26	Temperature Salinity	Applied Micro-systems CTD-12	$[\pm .01, .03^\circ]$ $[\pm .03, .04^\circ/\dots]$	1 1	Tuktoyaktuk Cont. Shelf (Issungnak, drill site), McKinley Bay	Plankton, sediment, O <sub>2</sub> , SI, PO <sub>4</sub> , NO <sub>3</sub> , Chl.A, phaeo.	Pett, Acreman & Vickers (1981)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ? = Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
81-0016	Arctic Sciences Ltd. for Esso Resources Canada Ltd.	Aug. 8- Sept. 26	Currents (subsurface) Temperature	Endeco 105 & Aanderaa RCM-4 RCM-4	$\pm 2.6, 5.4$ cm/s, $\pm 1.7^\circ$ $\pm 1$ cm/s, or $2^\circ$ , $\pm 10^\circ$ $\pm .02, .150^\circ$	3 3	Tuktoyaktuk Cont. Shelf (Alerk, Issungnak & W. Atkinson drill sites)		Birch & Flessel (1982)
81-0017	Canadian Hydrographic Service	Jul. 17- Nov. 14	Water level	Temporary shore-based tide gauges	$[\pm 1, 10 \text{ cm}]$	3	Tuktoyaktuk Cont. Shelf, Mackenzie Delta, Cape Parry		On file at Tides & Currents, IOS
81-0018	MV SEQUEL, Arc. Lab. Ltd. for Dome Petroleum Ltd.	Sept. 11-22	Salinity	Salinometer	$[\pm .01, .02\% / \dots]$	2	Tuktoyaktuk Cont. Shelf (Tarsit site), Herschel	Sediment, benthos	Thomas et al. (1982) Heath & Thomas (1984)
81-0027	MV SEQUEL, LGL for US Bureau Land Mgmt. (Bowhead Whale Study)	Aug. 1-25, Sept. 6	Temperature Salinity	HydroLab system 8000	$\pm 7, .10^\circ$ $\pm 7, .1\% / \dots$	3 3	Tuktoyaktuk Cont. Shelf & Slope, Kugmallit Bay	Benthos, fish, plankton, whale obs, secchi depth	Griffiths & Buchanan (1982)
81-0029	Dept. Fish. & Oceans (Fresh-water Inst.)	May 4- Jun. 15	Temperature (surface)	?		2	Kugmallit Bay, Liverpool Bay	Fishery survey	Gillman & Kristofferson (1984) Bond (1982)
81-0038	USCG, CANMAR	Oct. 27- Nov. 4	Surface drift	ARGOS drifters	$\pm 1.2$ km accuracy	3	Continental Slope		Murphy, Lissauer & Myers (1983)
82-0003	Arctic Sciences Ltd., for Inst. of Ocean Sciences	Mar. 29- Apr. 2	Temperature Salinity	Gulldline 8708 CTD	$\pm .001, .010^\circ$ $\pm .001, .02\% / \dots$	3 3	Amundsen Gulf, Pr. Wales Str.	Inorganic micro-nutrient	Flessel, Knight & Birch (1984)
82-0004	Institute of Ocean Sciences	Mar. 28- May 2	Water level	TG2A, TG3A, TG5A, AML	$[\pm .3, 3.0 \text{ cm}]$	2	Amundsen Gulf		CHS
82-0006	Canadian Hydrographic Service	Aug. '82 Aug. '83	Water level	Aanderaa, AML	$[\pm .3, 3.0 \text{ cm}]$	3	Cape Parry, Tuktoyaktuk, Sachs Harbour		On file Tides & Currents, IOS
82-0032	Dept. Fish. & Oceans	Jul. 27- Aug. 11	Temperature Salinity	Applied Micro-systems CTD-12	$[\pm .01, .040^\circ]$ $[\pm .03, .09\% / \dots]$	3 3	Kugmallit Bay	Plankton, fish	Ratynski (1983)
82-0050	USCG, CANMAR	Sept. 9, '82- Jan. 28 '83	Surface drift	ARGOS drifters	$\pm 1.2$ km accuracy	3	Beaufort Sea		Melling (pers. comm.)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ? = Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
82-0093A	Helicopter, Arc. Lab. Ltd. for Dome, Esso, & Gulf	Feb. 19-23	Temperature Salinity	Applied Micro-systems CTD-12	$\pm 0.1, .03^{\circ}$ $\pm 0.3, .04^{\circ}/\text{‰}$	3 3	Tuktoyaktuk Cont. Shelf (Issungnak 0-61)	Benthos, sediment, metals, $\text{O}_2$ , nutrients, TOC, SPM, Chl. A, PAH	Erickson et al. (1983)
82-0093B	Helicopter, Arc. Lab. Ltd. for Dome, Esso, & Gulf	Apr. 15-16	Temperature Salinity	Applied Micro-systems CTD-12	$\pm 0.1, .03^{\circ}$ $\pm 0.3, .04^{\circ}/\text{‰}$	3 3	Tuktoyaktuk Cont. Shelf (Issungnak 0-61)	Benthos, sediment, metals, $\text{O}_2$ , nutrients, TOC, SPM, Chl. A, PAH	Erickson et al. (1983)
82-0094	MV SEQUEL, Arc. Lab. Ltd. for Dome & Gulf	Sept. 3-5	Salinity (bottom water)	Salinometer	$[\pm 0.1, .02^{\circ}/\text{‰}]$	4	Herschel Is.	Benthos, sediment	Heath & Thomas (1984)
82-0095	EPS Environment Canada	Aug. 5-7	Temperature Salinity	YSI model 33 YSI model 33	$\pm ? , .10^{\circ} @$ $\pm ? , .7^{\circ}/\text{‰} @$	3 3	King Point, Stokes Point (Yukon Coast)	Benthos, sediment, pH, $\text{O}_2$	Allan & Mackenzie-Grieve (1983)
82-0097	MV SEQUEL, Arc. Lab. Ltd. for Dome & Gulf	Jul. 24-31	Salinity (bottom water)	?		2	Tuktoyaktuk Cont. Shelf (Tarsiut drill site)	Benthos, sediment	Heath & Thomas (1983)
82-0105	Dept. Fish. & Oceans, Pacific Region	Aug. 12-Sept. 6	Temperature	?		2	Yukon Coast	Fish	Unpublished
82-0110	Arc. Lab. Ltd. for Fish. & Oceans Can.	Feb. 19-Jun. 11	Temperature Salinity	? ?		2 2	Tuktoyaktuk Cont. Shelf	Plankton, Chl. A, nutrients, $\text{O}_2$	Pett et al. (1983)
82-0111	Freshwater Institute	Jun. 2-Jul. 6	Temperature (surface)	?		2	Kugmallit Bay, Liverpool Bay	Fisheries survey	Gillman & Kristofferson (1984)
82-0117	Arctic Sciences Ltd. for Esso Resources Canada Ltd.	Aug. 3-Sept. 25	Current	DOWS VMCM, NB ACM, Endeco 105	Res: $\pm 0.04 \text{ cm/s}$ , $1.4 @$ $\pm 1 \text{ cm/s}$ or $5\%$ , $\pm 5^{\circ} @$ $\pm 2.6, 5.4 \text{ cm/s}$ ; $\pm 1^{\circ}$	3	Isserk Shoal, Issungnak, Kadluk		Birch, Wilton & Fissei (1982)
			Temperature	DOWS VMCM, NB ACM	$\pm 0.04, .7^{\circ} @$ $\pm ? , .5^{\circ} @$	3			
			Wave	Waverider	$\pm 1.5\%$ , $\pm .5 \text{ m} @$	3			
82-0118	MV CANMAR EXPLORER II, III, and IV	Jul.-Oct.	Temperature Salinity Waves Current	CTD CTD Waverider Neil Brown ACM2, Aanderaa	$\pm ? , ?^{\circ}$ $\pm ? , ?^{\circ}/\text{‰}$ $\pm 1.5\%$ , $\pm .5 \text{ m} @$ $\pm ? , ? \text{ cm/s}$	2 2 3 3	Nerlerk, Orvilleuk, Ikaluk, Alverk, Kenalook & Tarsiut drill sites		MEDS File #196, #201, #204 CANMAR Archive tape Myers & Kirby (1982)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ? = Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
82-0119	MV CANMAR SUPPLIER II, Arc. Lab. Ltd. for Dome Petroleum Ltd.	Sept. 18	Temperature Salinity	Applied Micro-systems CTD-12	$\pm 0.1, .04^{\circ}$ $\pm 0.1, .04^{\circ}/\dots$	3 3	Tuktoyaktuk Cont. Shelf (Tingmiart drill site)		Thomas & Berrang (1982)
83-0017B	Canadian Hydrographic Service	Feb. '83 Aug. '84	Water level	Aanderaa	$[\pm .3, 3 \text{ cm}]$	3	Cape Parry, Tuktoyaktuk		On file at Tides & Currents, IOS
83-0027	LGL Ltd. for Dome Petroleum and Gulf	Aug. 19- Sept. 11	Temperature (surface?)	?		2		Turbidity, whale obs., birds	McLaren & Davis (1984)
83-0032	USCG, CANMAR	Aug. 17- Oct. 28	Surface drift	Satellite-tracked drifters	$\pm ? , ? \text{ cm/s}$	3	Beaufort Sea		Robt Lissauer & Myers (1983)
83-0047	Inflatable boat, Environmental Protection Service	Aug. 2-4	Temperature Salinity	YSI model 33 YSI model 33	$\pm ? , .1^{\circ} \text{ } \odot$ $\pm ? , .7^{\circ}/\dots \text{ } \odot$	3 3	Stokes Point	$\text{O}_2$ , sediment, benthos	Allan & Mackenzie-Grieve (1984)
83-0054	MV SEQUEL, Env. Protection Service	Jul. 12-15	Temperature Salinity	? ?		2 2	Tuktoyaktuk Cont. Shelf, Kugmallit Bay	Sediment	EPS (NW Territories)
83-0058	Arc. Lab. Ltd. for Fish. & Oceans Can., DIAND, Dome Petroleum and Gulf Oil	Aug. 21, 23, Oct. 9	Temperature Salinity	Thermometer Salinometer	$\pm .1, 2^{\circ}$ $[\pm 0.1, .02^{\circ}/\dots]$	3 3	Tuktoyaktuk Cont. Shelf Kugmallit Bay, Liverpool Bay, Eskimo Lakes	Chl. A, secchi depth, SPM	Borstad (1985)
83-0059	Simon Fraser University	Aug. 23-31	Temperature Salinity	? ?		2 2	Cont. Shelf & Slope, Kugmallit Bay, Mackenzie Bay	SPM, Chl. A, bacteria	Albright (1986)
83-0065	Arc. Lab. Ltd., for AGC	Jul. 19- Aug. 10	Temperature Salinity	Applied Micro-systems CTD-12	$\pm ? , .03^{\circ}$ $\pm ? , .1^{\circ}/\dots$	3 3	Tuktoyaktuk Cont. Shelf, Kugmallit Bay	SPM, turbidity, plankton, Chl. A	Nadeau (1984)
83-0067	Arc. Lab. Ltd. for Esso Res. Ltd.	Jul. 30- Sept. 9	Current Temperature Wave	Neil Brown ACM Neil Brown ACM Waverider	$\pm 1 \text{ cm/s}, \pm 2^{\circ} \text{ } \odot$ $\pm .5^{\circ} \text{ } \odot$ $\pm 1.5\%, .5 \text{ m } \odot$	3 3 3	Tuktoyaktuk Cont. Shelf (Kadiuk & Amerk drill sites)		deLange Boom & Juszko (1983)
83-0068	Freshwater Institute	Jun. 11-19, Sept. 12-15	Temperature (surface)	?		2	Liverpool Bay	Fishery survey	Gillman & Kristofferson (1984)

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ?-Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
83-0069	CANMAR	Aug.2-Dec.31	Temperature Salinity Current Wave	AML CTD-12 AML CTD-12 Neil Brown ACM 2 Waverider	$\pm ?$ , $?^{\circ}\text{C}$ $\pm ?$ , $?^{\circ}\text{‰}$ $\pm ?$ , $? \text{ cm/s}$ $\pm 1.5\%$ , $.5 \text{ m @}$	2 2 2 2	Beaufort Shelf (Siuluk, Arluk, Ailverk, Natlak, Havik, Nerlerk, & Uvliuk drill sites)	Weather, ice conditions, sea state	CANMAR Archive tape
83-0070	MEDS/Gulf, MacLaren Plan- search?	Aug.25- Sept.5	Wave Current?	Waverider	$\pm 1.5\%$ , $.5 \text{ m @}$	0 2	Tuktoyaktuk Cont. Shelf (Pitsiulak drill site)		MEDS #207
84-0017	ESL Env.Sci. Ltd. & G.A. Borstad Ltd.for ESRF & DIAND	Aug.22, Sept.8-12	Temperature (surface)	NOAA 7 satellite, (radiometer)	$\pm ?$ , $.1^{\circ}\text{C}$	3	Beaufort Sea, Amundsen Gulf	Mammals, turbidity	Harwood & Borstad (1985)
84-0032	Freshwater Institute	Jul.7-26, Sept.7-10	Temperature Salinity	? ?		2 2	Beaufort Sea Coastal	Fish, plankton, secchi depth	Unpublished
84-0043	Atlantic Geoscience Centre	Apr.1	Temperature Salinity	Guildline 122E CTD	$\pm ?$ , $.01^{\circ}\text{C}$ $\pm ?$ , $.025^{\circ}\text{‰}$	3 3	Tuktoyaktuk Cont. Shelf	Sed. cores, transmissivity	Kurfurst (1984) Nadeau (1984)
84-0044	MV SEQUEL, Arc. Lab. Ltd. for AGC Beaufort Sed. Dynamics Study	Jul.10-21	Temperature Salinity	Guildline 122E CTD	$\pm ?$ , $.01^{\circ}\text{C}$ $\pm ?$ , $.025^{\circ}\text{‰}$	3 3	Tuktoyaktuk Cont. Shelf	Sed. cores	Nadeau (1984)
84-0045	Arc. Lab. Ltd. for Gulf	Aug.8- Sept.?	Current Wave Temperature Salinity	Arc.Lab.real-time Waverider Applied Micro- systems CTD-12	$\pm ?$ , $? \text{ cm/s}$ $\pm ?$ , $? \text{ cm}$ $\pm ?$ , $?^{\circ}\text{C}$ $\pm ?$ , $?^{\circ}\text{‰}$	2 2 2 2	Tuktoyaktuk Cont. Shelf (Amauligak, Tarslut, drill site), Herschel Basin		Devenis (1985)
84-0046	MV ARCTIC PELLY, MV NANA BUSH, Arctic Sciences Ltd. for Esso Resources Ltd.	Jul.23- Sept.27	Current Wave Water level	Neil Brown ACM Endeco 105 Waverider Sea Data 635-11	$\pm 1 \text{ cm/s}$ , $\pm 5^{\circ}$ Resol: $\pm .04 \text{ cm/s}$ , $\pm 1.4^{\circ}$ $\pm 1.5\%$ , $0.5 \text{ m @}$ $\pm .01 \text{ m}$ , $.1 \text{ m @}$	3 3 3	Tuktoyaktuk Cont. Shelf (Amerk, Nipsterk/ Kaubvik drill sites)		Birch, Fissel & Wilton (1984a,b) Fissel, Birch & Wilton (1984)
84-0047	Inflatable boat, EPS	Aug.1-7	Temperature Salinity	YSI model 33 YSI model 33	$\pm ?$ , $.1^{\circ}\text{C @}$ $\pm ?$ , $.7^{\circ}\text{‰ @}$	3 3	Stokes Point, King Point	Sediment, benthos	Davidge & Mackenzie- Grieve (1986)
84-0048	MV CANMAR EXPLORER	Jul.13- Oct.23	Current Temperature Salinity	Aanderaa, Neil Brown ACM-2 Applied Micro- systems CTD-12	$[\pm 1 \text{ cm/s}, \pm 5^{\circ}]$ $?^{\circ}$ $\pm ?$ , $?^{\circ}\text{C}$ $\pm ?$ , $?^{\circ}\text{‰}$	2 2 2	Beaufort Shelf (Natlak, Siuluk, Arluk, Ailverk & Havik drill sites)	Weather, ice conditions, sea state	CANMAR archive tape

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ? = Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
84-0049	Twin Otter, Institute of Ocean Sciences	Mar.'84-Aug.'85 Apr.1-6	Current Temperature Salinity	Aanderaa Gulldilne? CTD	+ ?, ? cm/s [ $\pm .001, .01C^\circ$ ] [ $\pm .001, .02^\circ / \dots$ ]	2 2 2	Herschel Canyon, W. M'Clure Str.		Perkin. (pers. comm.)
85-0006	ESL Env.Sc. Ltd., G.A. Borstad Ltd, Cascadia Res. Coll., PN Res. Proj., & Arctic Labs Ltd. for ESRF	Aug.18-25, Sept.12-18	Temperature	?		2	Beaufort Sea, Amundsen Gulf	Mammals, turbidity	ESL (Unpublished)
85-0007	LGL Ltd. for DIAND	Aug.18-31	Temperature	Hydrolab 4021	$\pm 1, .2C^\circ$	3	Mackenzie Bay	Nutrients, O <sub>2</sub> , Chl.A, fish, turbidity	Bradstreet & Fissel (1986)
85-0014	Freshwater Institute	Jun.27-Aug.21	Temperature Salinity	? ?		2 2	Yukon Coast	Fish	Unpublished
85-0016	Simon Fraser University	Aug.26-27	Temperature Salinity	? ?		2 2	Kugmallit Bay	Chl.A, SPM	Albright (1986)
85-0017A	Freshwater Institute	Mar.24-27	Temperature Salinity	? ?		2 2	Tuktoyaktuk Cont. Shelf		Hopky, Chipperzak & Lawrence (1986)
85-0017B	Freshwater Institute	May 17-19	Temperature Salinity	? ?		2 2	Tuktoyaktuk Cont. Shelf, Mackenzie Bay		Hopky, Chipperzak & Lawrence (1986)
85-0017C	Freshwater Institute	Jul.18-Sept.12	Temperature Salinity	? ?		2 2	Cont. Shelf, Mackenzie Bay,	Plankton, Chl.A, secchi depth	Hopky, Chipperzak & Lawrence (1986)
85-0019	Archipelago Mar. Res., for Dept.Fish.& Oceans	Jul.12-16	Temperature Salinity	? ?		2 2	Liverpool Bay	Fish, plankton, benthos	Arch. Mar. Res. (1985)
85-0029	Arc. Lab. Ltd. for Esso Res. Ltd.	Aug.26-Oct.14	Current	Neil Brown ACM-2 Inter Ocean S4 Aanderaa RCM-4	$\pm ?$ , ? cm/s $\pm 2, 2\% \text{ cm/s}; \pm 5, 2^\circ$	3	Tuktoyaktuk Cont. Shelf (Nipiterk, Arnak, Taglu drill sites)		Arctic Labs Ltd. (1985a,b,c)
			Temperature	Aanderaa RCM-4S	[ $\pm ?$ , .15 C $^\circ$ ]	3			
			Salinity		[ $\pm .07$ , ? %/..]	3			
		May 9-Oct.14	Water level	See Data 635-11 Aanderaa WLR5	$\pm 1, 10 \text{ cm}$ [ $\pm 3, 3.0 \text{ cm}$ ]	3 0			
			Wave	See Data 635-11	$\pm ?$ , ? cm	3			

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ? = Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
85-0030	Dobrocky Seatech Ltd. for Geol. Survey of Canada	Aug. 24-Sept. 16	Current	Aanderaa, Sea Data 621,635	$[\pm 1 \text{ cm/s}, \pm 5^\circ]$	2	King Point	Sediment, weather	Gillie (1985)
			Wave	Sea Data 621,635	$\pm ?$ , ? $\pm ?$ , ?	1			
85-0031	LGL Ltd. & Arctic Sciences Ltd. for DIAND	Sept. 4-18	Temperature Salinity	Applied Micro-systems CTD-12	$\pm .02, .50^\circ$ $\pm .03, .1^\circ/\dots$	3 3	West Mackenzie Bay	Whale obs., plankton, secchi depth, Chl. A	Richardson (1986) Fissel et al. (1986)
85-0032	Institute of Ocean Sciences (Ocean Physics Division)	Mar. '85-Apr. '86 Mar. '85	Current	Aanderaa RCM-4	$[\pm 1 \text{ cm/s}, \pm 5^\circ]$	3	Beaufort Sea	Anemometers, ice-drift buoys, nutrients, $O_2$ , tritium, AVRRR digital imagery	Melling (pers. comm.)
			Water level	Aanderaa TG's, AML TG 12 A's	$[\pm .3, 3 \text{ cm}]$	3			
85-0033	CANMAR	Aug. 10-Oct. 10	Temperature	CTD-12	$\pm ?$ , ? $^\circ\text{C}$	3	Beaufort Sea	Weather, ice conditions, sea state	CANMAR archive tape, Steen (1986)
			Salinity	CTD-12	$\pm ?$ , ? $^\circ/\dots$	3			
85-0036	Helicopter, Institute of Ocean Sciences	Apr. 23-May 3	Current	Neil Brown ACM2	$\pm ?$ , ? $\text{cm/s}$	3	Off Banks Is.		Perkin (pers. comm.)
			Wave	Waverider	$\pm 1.5^\circ/\dots .5\text{m}$	3			
85-0037	Gulf Canada	Jul.-Sept.	Temperature	Gulldline?	$[\pm .001, .01^\circ\text{C}]$	2	Tuktoyaktuk Cont. Shelf		Gulf
			Salinity	CTD	$[\pm .001, .02^\circ/\dots]$	2			
86-0003	MV IVIK, Institute of Ocean Sciences	Sept. 10-16	Current	? Applied Micro-systems CTD-12	$\pm ?$ , ? $\text{cm/s}$	2	Beaufort Sea	Nutrients, radium, tritium, particulates, productivity, sediment, hydro-carbon, acoustic profiling	Macdonald (pers. comm.)
			Temperature	Gulldline 8706 & AML CTD's	$[\pm .001, .01^\circ\text{C}]$	3			
86-0004	LGL Ltd. & Arctic Sciences Ltd. for DIAND	Aug. 28-Sept. 8	Salinity	Aanderaa	$[\pm .001, .02^\circ/\dots]$	3	Beaufort Sea	Transmissivity, SST from satellite imagery, whale study, plankton	Fissel, Bradstreet & Moen (1987)
			Current		$\pm ?$ , ? $\text{cm/s}$	3			
86-0005	MacLaren Plan-search Ltd. for Esso Res. Ltd.	Summer	Temperature	Applied Micro-systems CTD-12	$\pm .02, .05^\circ$ $\pm .03, .1^\circ/\dots$	3 3	Beaufort Sea		Spedding (pers. comm.)
86-0006	MV JP TULLY, Arc. Lab. Ltd. & Env. Prot. Serv.	Aug. 24-28	Current	? ?		2	Cont. Slope		Arctic Laboratories

TABLE 1: SUMMARY LISTING OF DATA SETS (CONT'D)

Data Set I.D.	Ship or Collecting agency	Dates of measurements	Quantity measured	Instruments or methods used ? = Unknown	Estimate of data precision and accuracy	Data rating number	Area	Concurrent measurements	Source or reference
86-0007	MV <u>SARPIK</u> , Arc. Lab. Ltd., LGL Ltd. & Env. Pro. Ser.	Aug. 19-22	?	?		2	Kugmallit Bay		Arctic Laboratories
86-0008	MV <u>ANNIKA</u> <u>MARIE</u> , LGL Ltd. Bowhead Whale Study	Sept. 4-11	Temperature Salinity	Applied Micro- systems CTD-12	$\pm .02, .20^{\circ}$ $\pm .03, .04^{\circ}/\dots$	3 3	East Alaska	Whale obs, secchi depth, plankton, Chl. A	Birch (pers. comm.)
86-0009	Seaconsult Marine Research Ltd., ESRF Study	Aug. 17- Sept. 24	Currents Water levels Waves	Sea Data 635-12 Sea Data 635-11, 635-12 Sea Data 635-9, 635-11, 635-12 & 650B-7	$\pm ?$ , $? \text{ cm/s}$ $\pm 1, 10 \text{ cm } \oplus$ $\pm 1, 10 \text{ cm } \oplus$	2 2 2	Mackenzie Bay	Sediment pore pressure	Hodgins et al. (in print)
86-0010	Institute of Ocean Sciences; Ice Motion Prog.	March Apr. 86- Aug. 87	Temperature Salinity Current Temperature Salinity	Gulldiine CTD Aanderaa Aanderaa Aanderaa	$[.001, .005^{\circ}\text{C}]$ $[.001, .010^{\circ}/\dots\text{psu}]$ $\pm 1 \text{ cm/s}, \pm 5^{\circ}$ $[\pm ? , .15^{\circ}\text{C}]$ $[\pm .07, ?^{\circ}/\dots]$	3 3 2 2 2	Beaufort Cont. Shelf & Slope	Nutrients, $\text{O}_2$ , $\text{O}_3$	Melling (pers. comm.)
86-0011	Institute of Ocean Sciences	Apr.-Aug.?	Current Temperature Salinity	Aanderaa Aanderaa Aanderaa	$[\pm 1 \text{ cm/s}, \pm 5^{\circ}]$ $\pm ? , ?^{\circ}\text{C}$ $\pm ? , ?^{\circ}/\dots$	2 2 2	Amundsen Gulf	Ambient noise using WOTAN	Farmer (pers. comm.)
86-0013	CANMAR	Summer?	?			2	Tuktoyaktuk Cont. Shelf		CANMAR
86-0014	Arc. Lab. Ltd. for Gulf Canada	Aug. 8- Sept. 14	Wave	Waverider	$\pm 1.5\%, .5 \text{ m } \oplus$	3	Beaufort Shelf (Amaulikak?)		Gulf; de Lange Boom & Hill (1986)



## 9. MAPS

This section contains maps showing the yearly distribution of temperature, salinity, current, water-level, wave, and surface-drift measurements. One overall map and up to four additional sub-maps are used (Figure 12). All are Lambert Conformal Conic projection with maps 1 through 5 having scales 1:4.68, 2.7, 1.78, 1.78 and 2.67 million, respectively.

Generally, temperature-salinity and any water-level stations are plotted together. If there were also current-meter data, then the first map will have only temperature-salinity, and the current and water-level data will be displayed on a second map. Wave data have usually been plotted with current and/or water-level data. The overall map generally contains all the stations; the sub-maps provide more details and several may be used to display station positions in one area.

For some data sets, exact locations are not known. A "?" on the first map is used to indicate the general area, if known.

The legend indicates the following data types:

- CM - current-meter data
- DRF - drifter data
- TS - temperature-salinity data
- WAVE - wave data
- WL - water-level data

Under each category are listed the data sets and station symbols used in the plot. The identifier number is followed by the vessel/agency and the total number of stations located within the map boundaries, in brackets. Since some stations in a particular data set may be at the same location, the number in brackets may exceed the number of symbols on the plot.

The TS data are primarily profile data, however some moored instruments had temperature and/or conductivity sensors. In these cases, under TS in the legend, the data-set identifier is followed not by the vessel or agency, but by the word "mooring".

The coastlines have been smoothed and small islands removed. A minimum consecutive displacement of 0.07 inch is required for a new station to be plotted. This was implemented to prevent the plotter from wearing through the paper in heavily sampled locations. Vessel/agencies in the legend are abbreviations. Note that cruise station symbols may be different on two different maps.

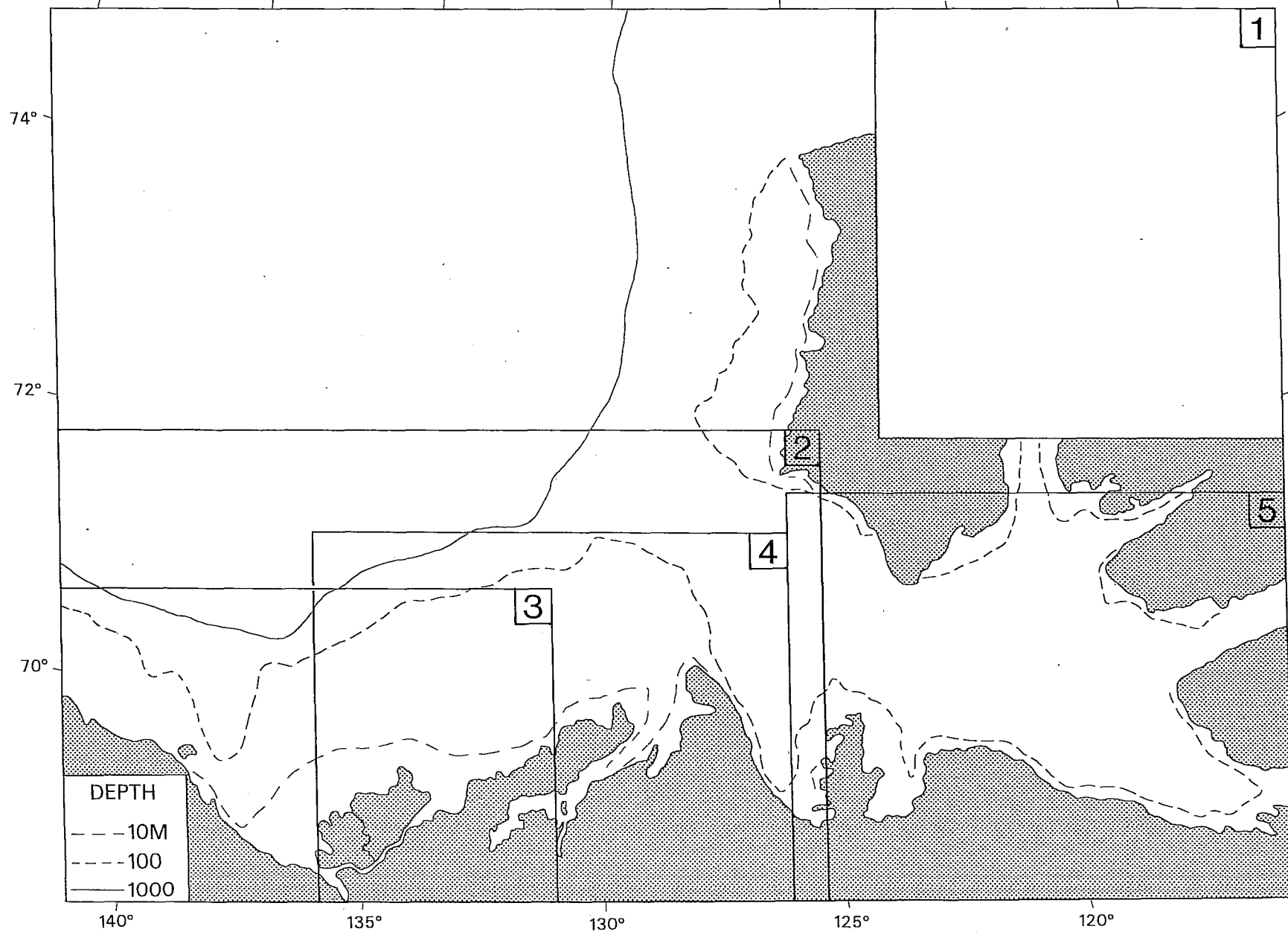
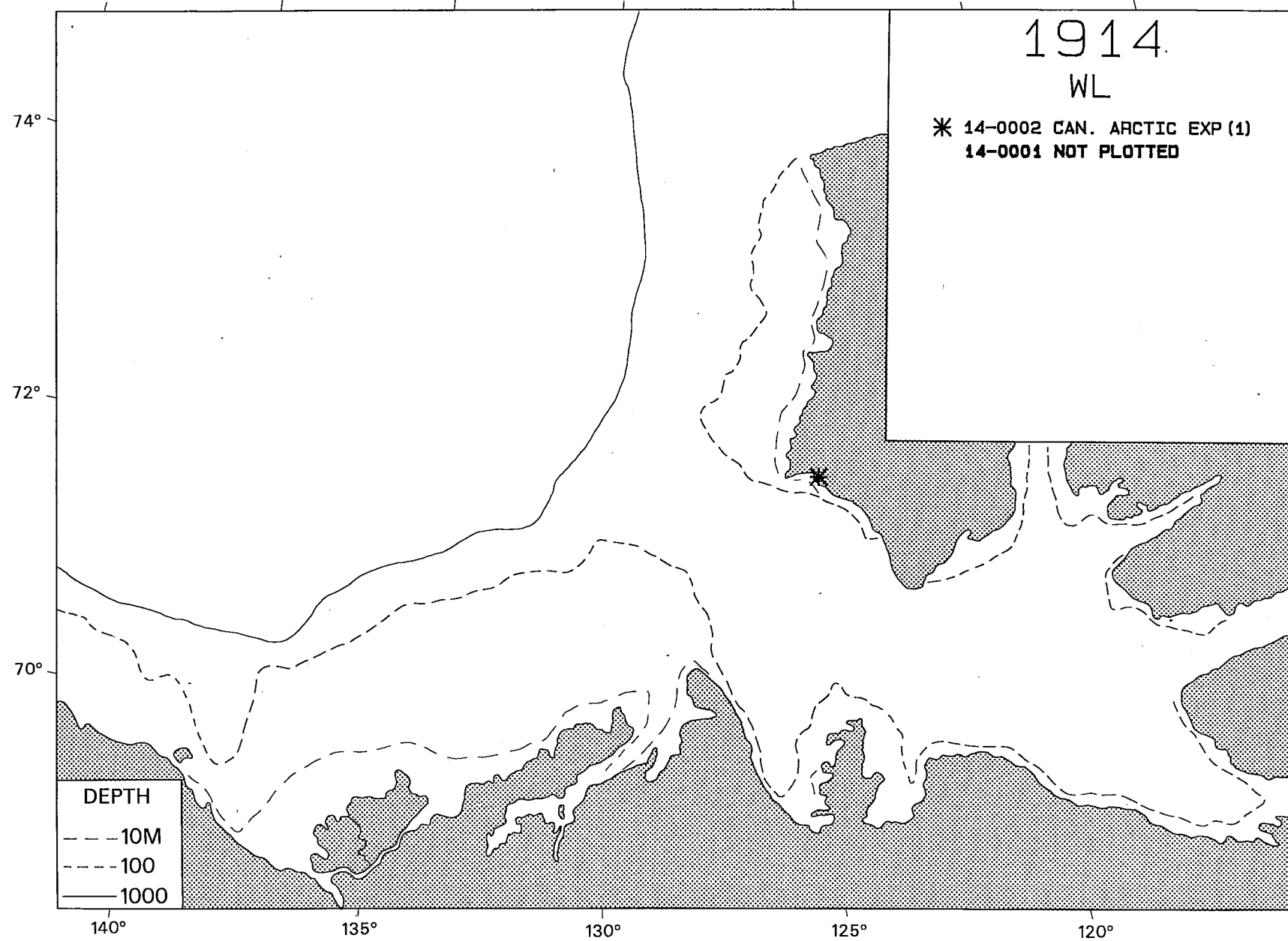


Figure 12. Maps used to plot station locations.



1915

WL

\* 14-0002 CAN. ARCTIC EXP (1)

74°

72°

70°

DEPTH

--- 10M  
--- 100  
--- 1000

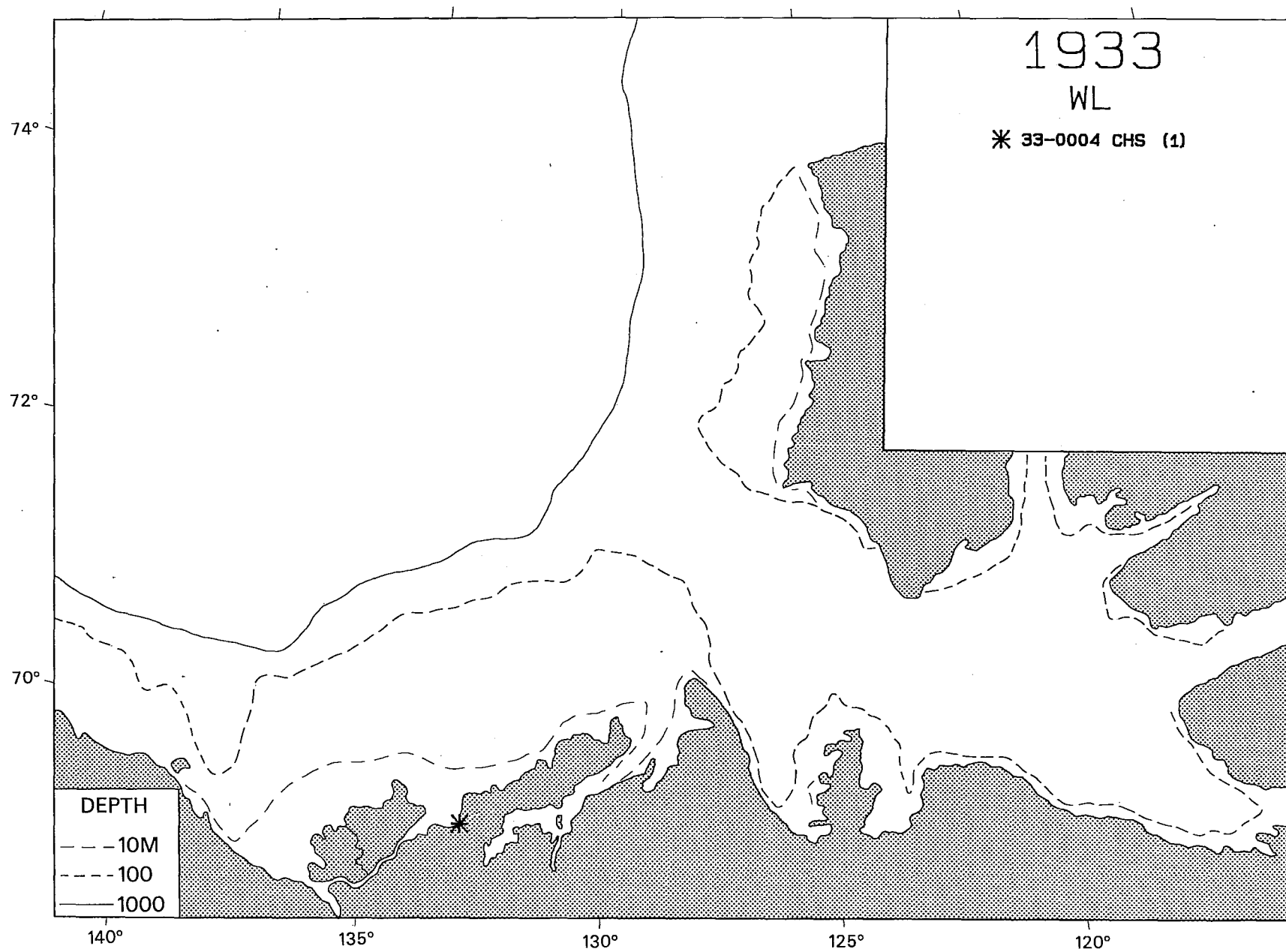
140°

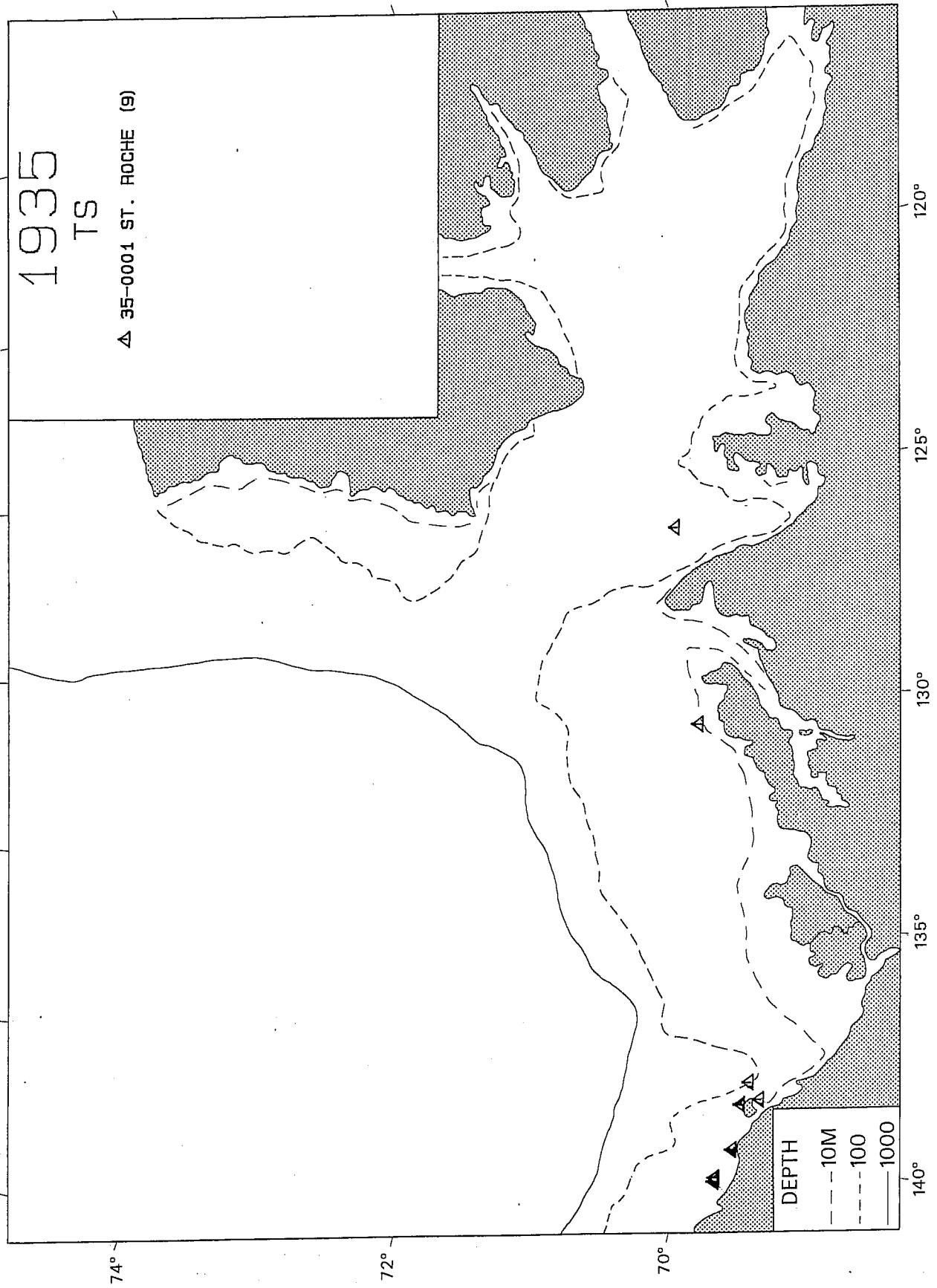
135°

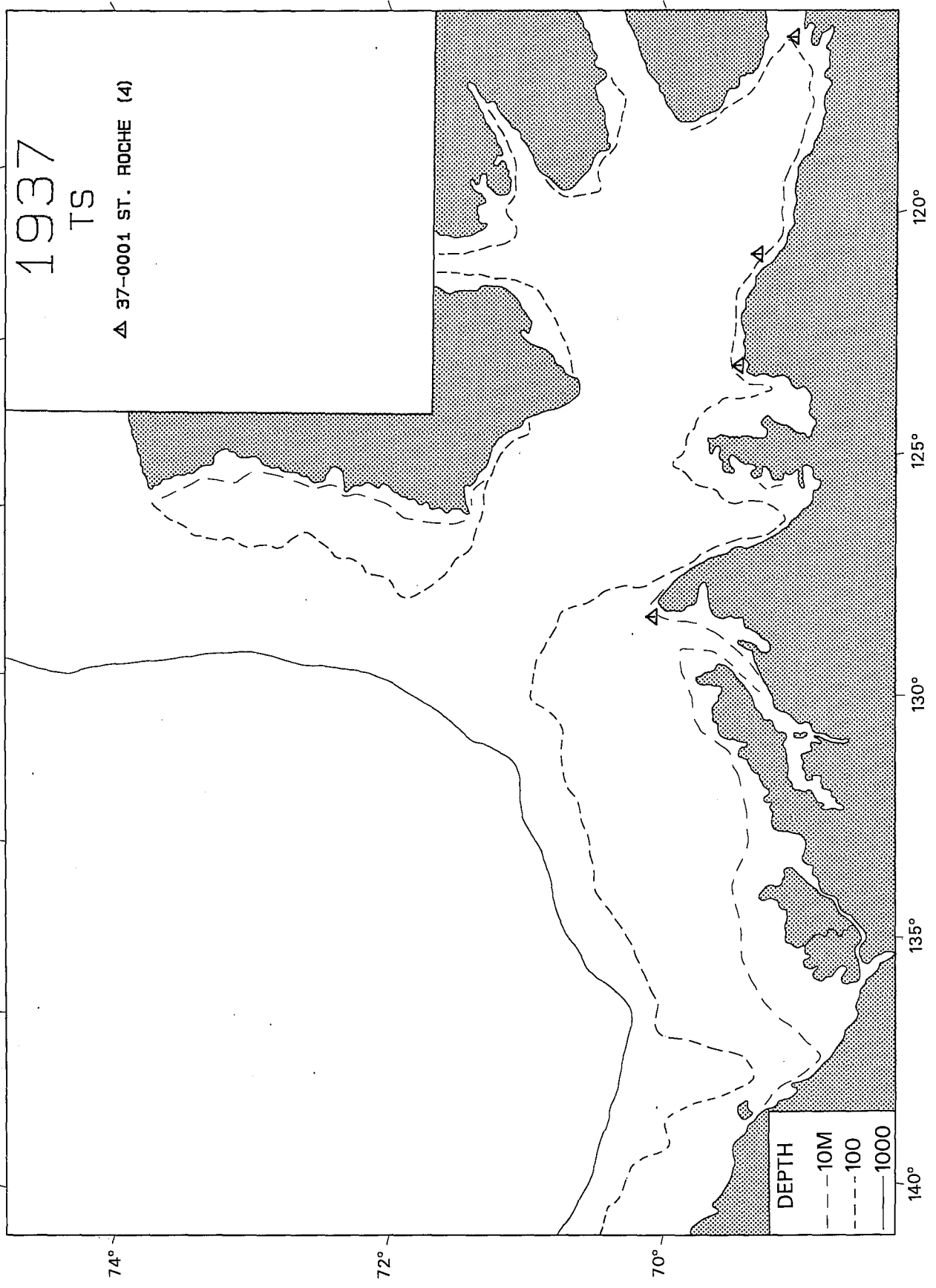
130°

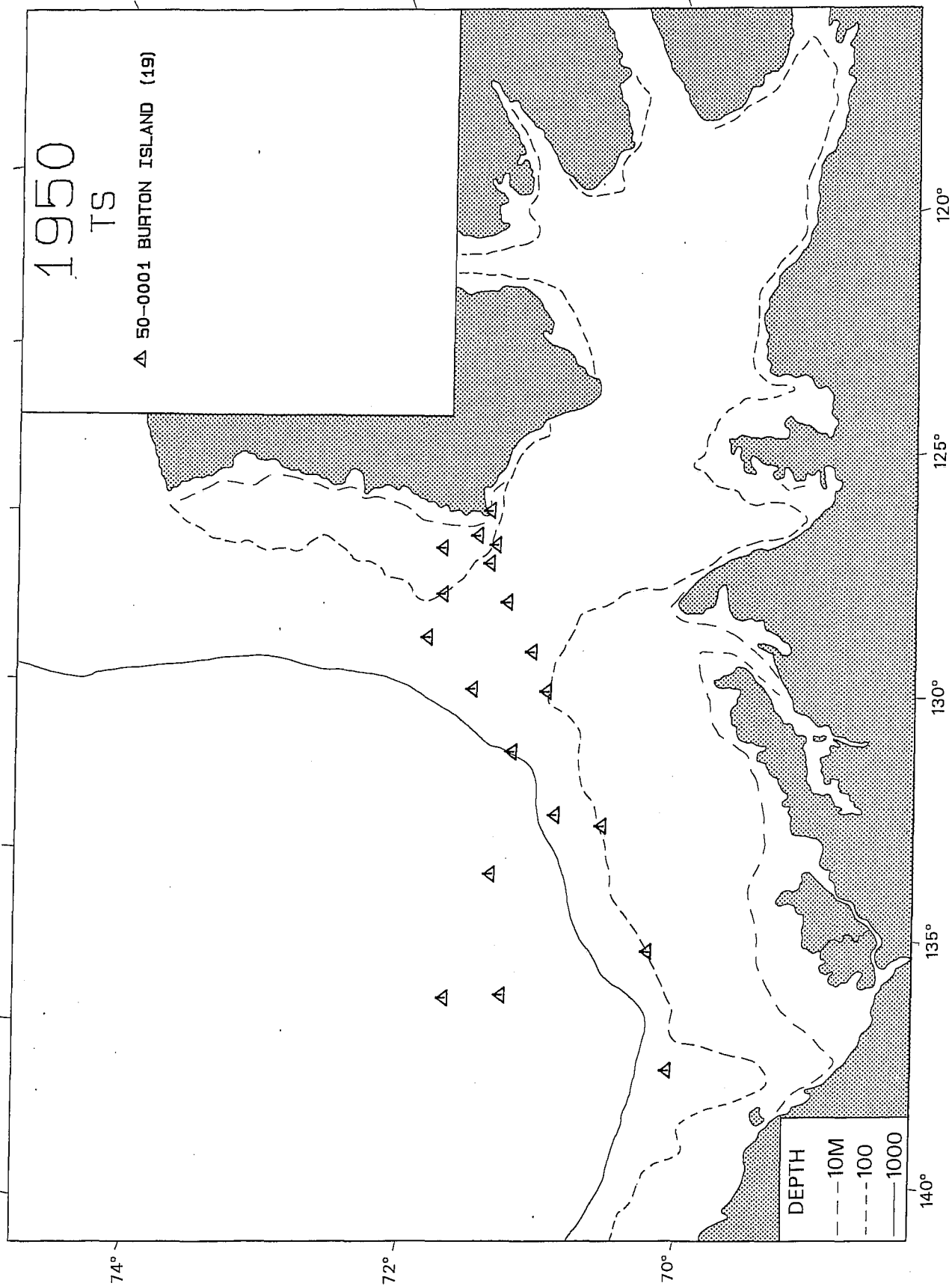
125°

120°

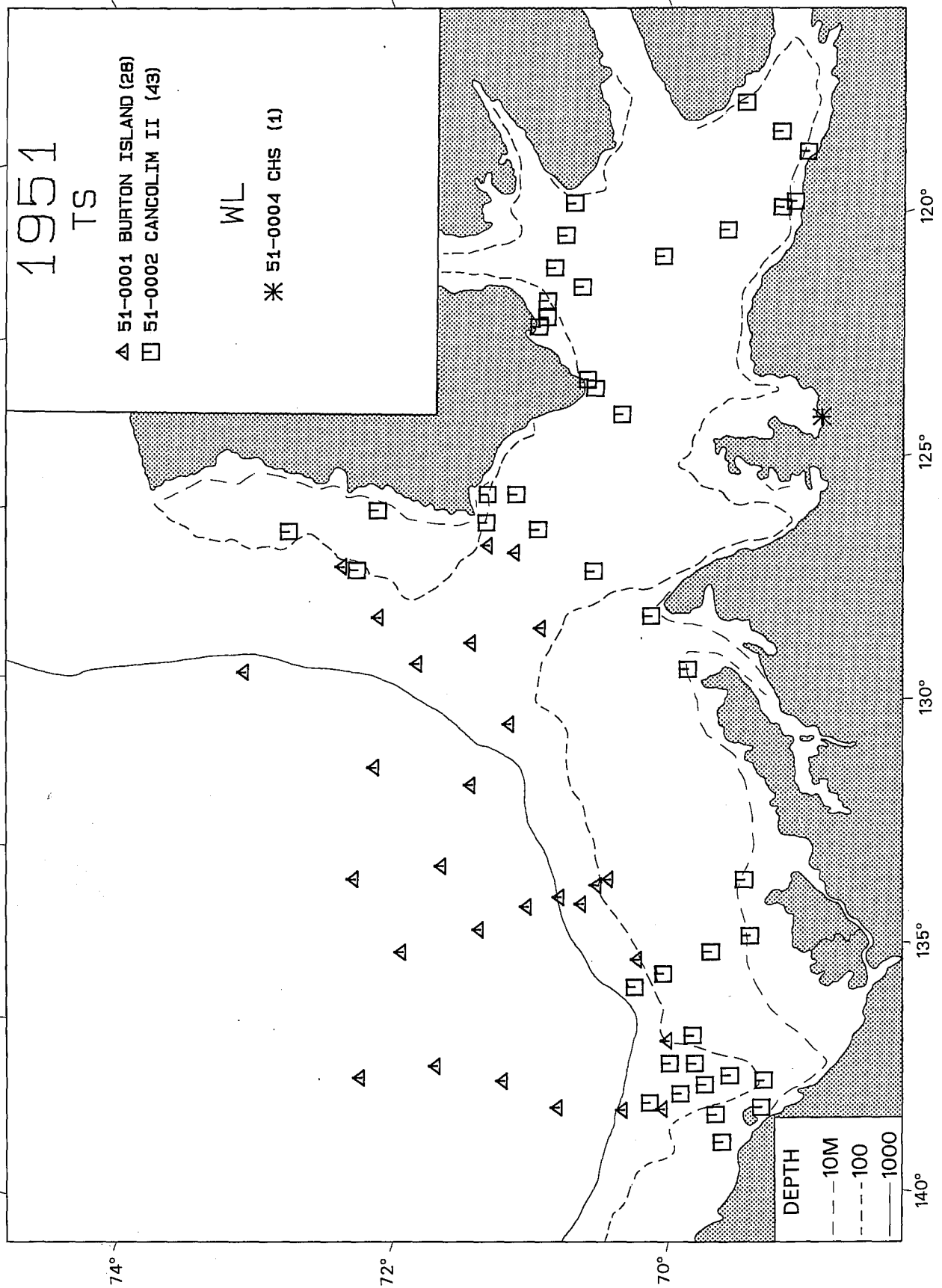


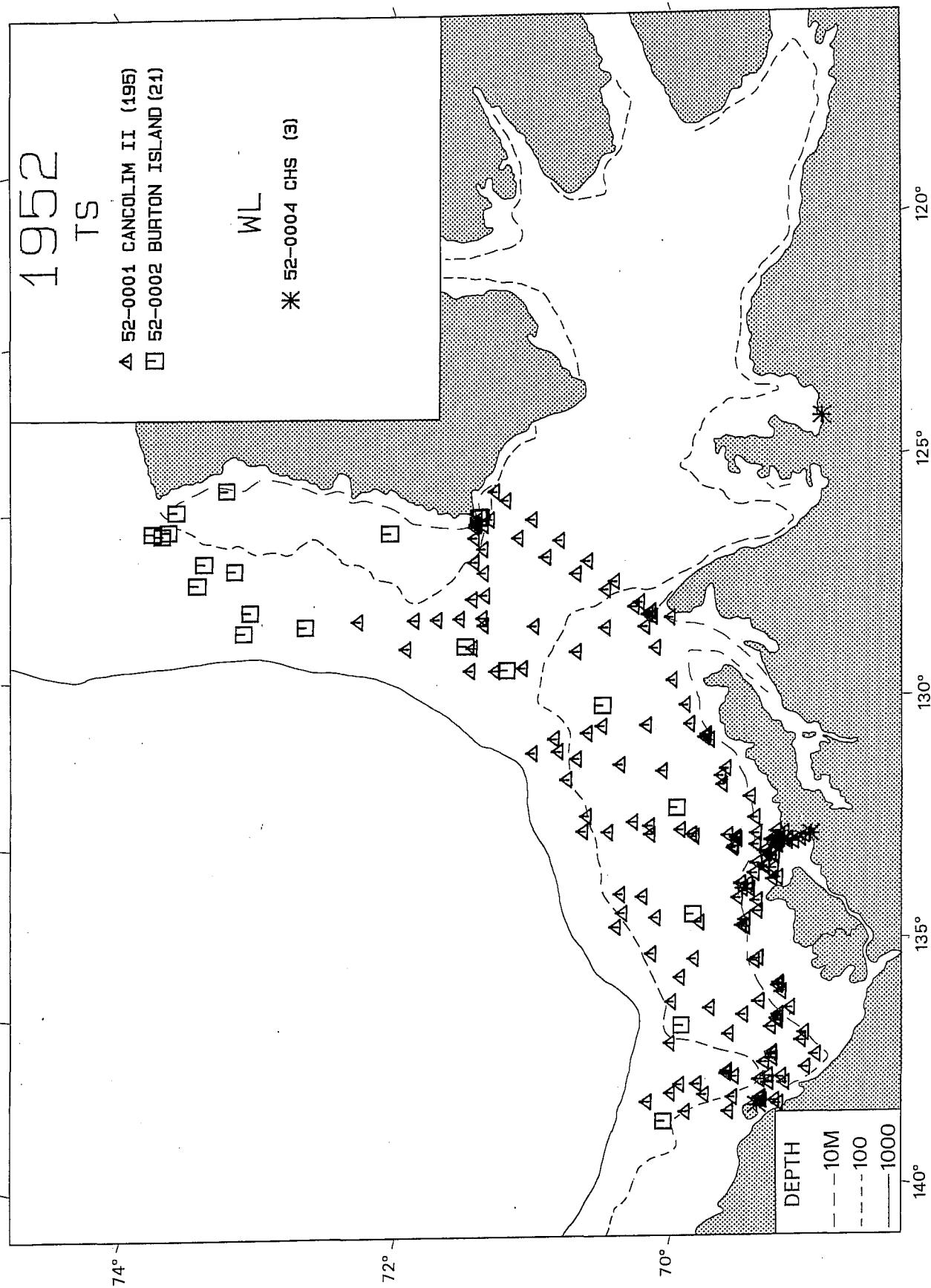


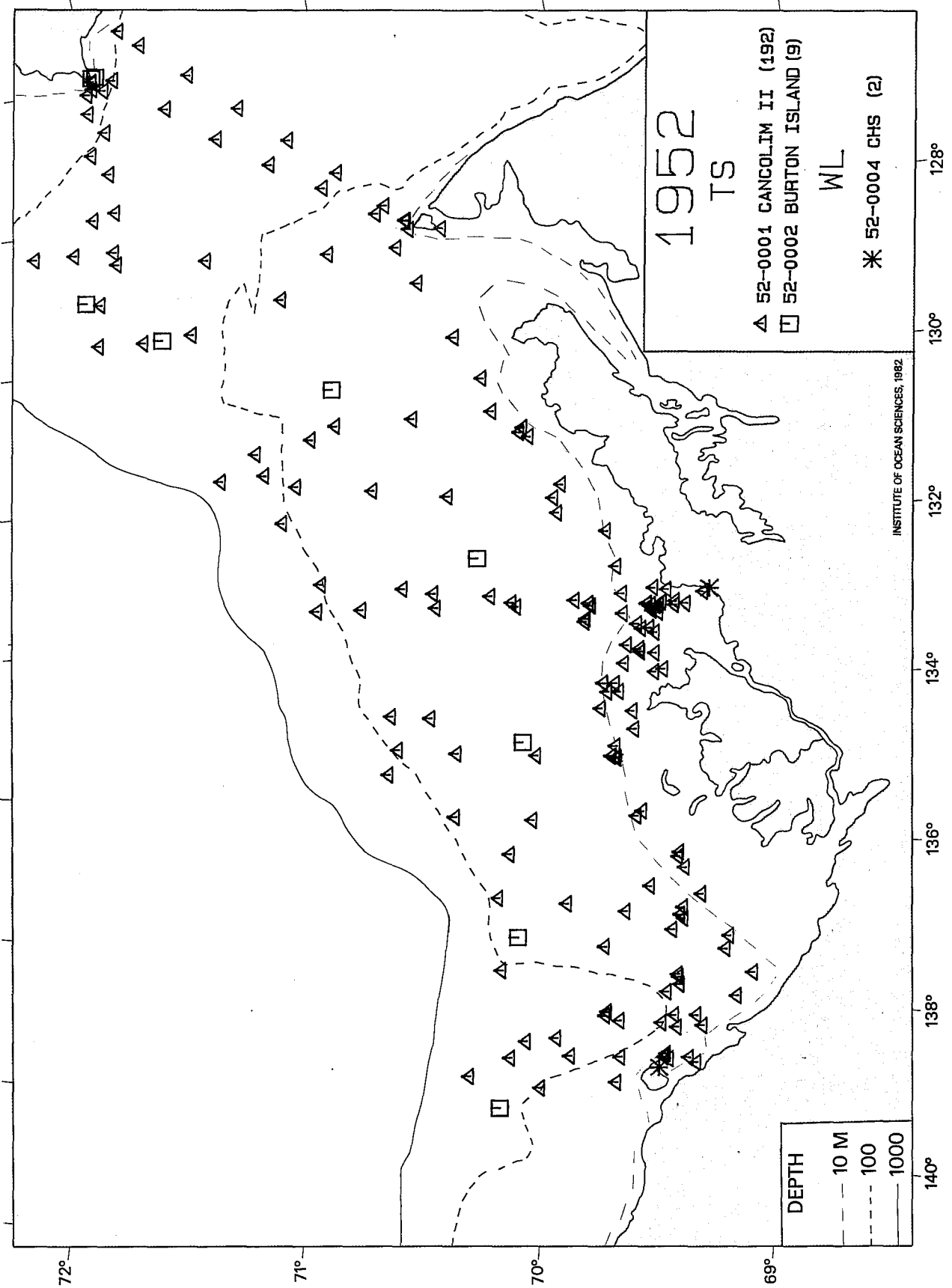


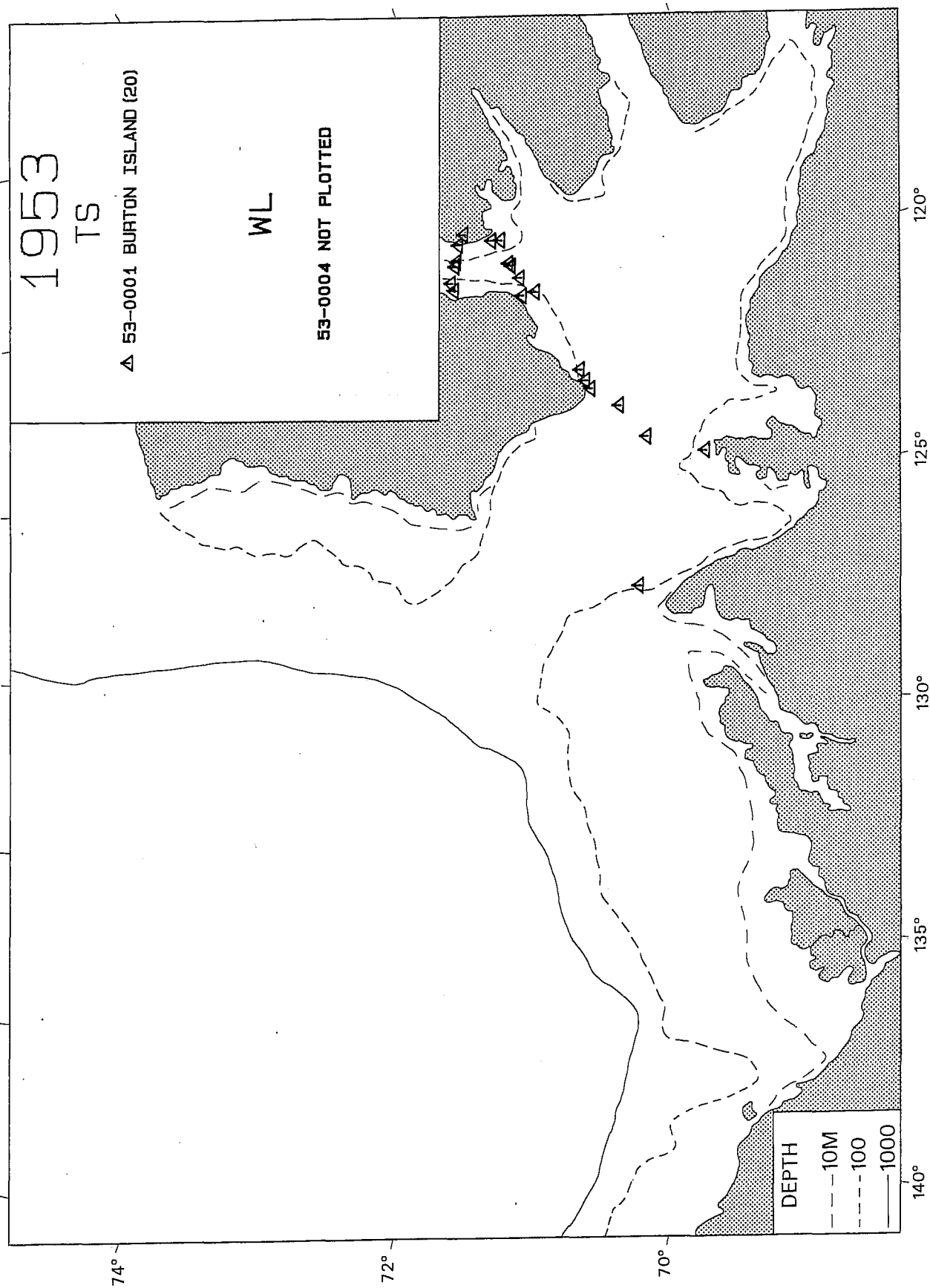


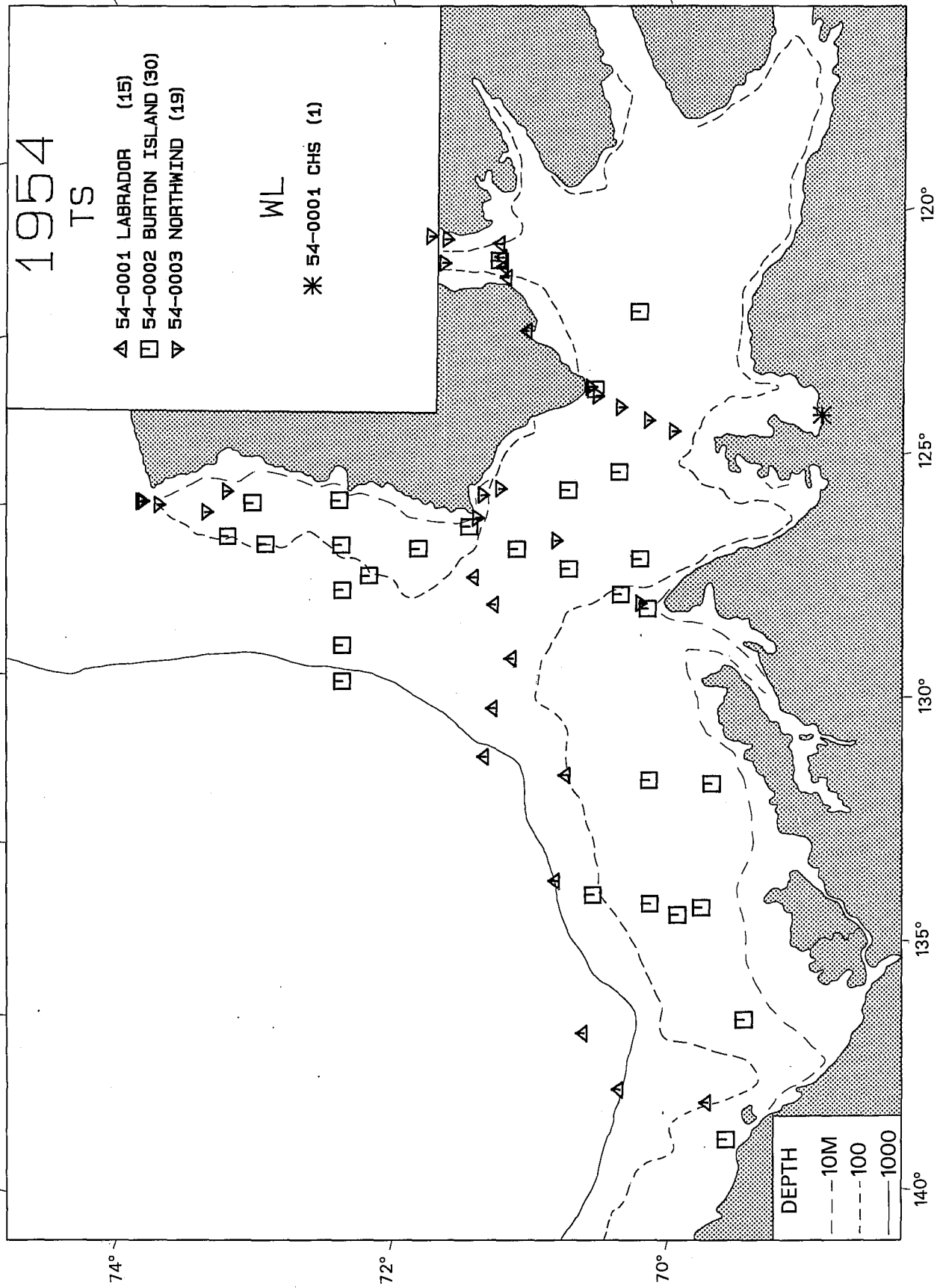












1955  
TS

△ 55-0001 NORTHWIND (3)

□ 55-0016 BURTON ISLAND (3)

WL

\* 55-0002 CHS (1)

DEPTH

--- 10M  
--- 100  
— 1000

74°

72°

70°

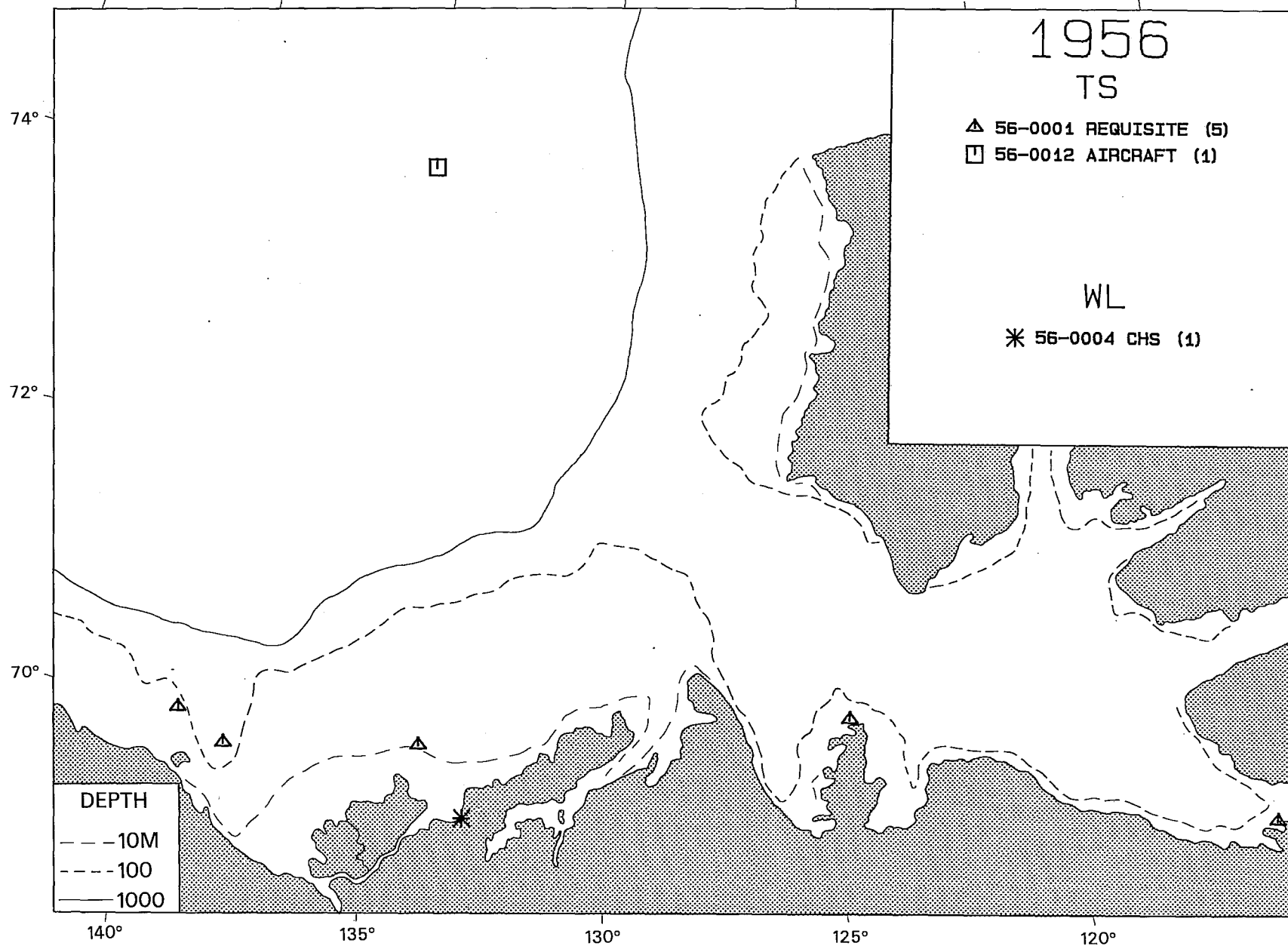
140°

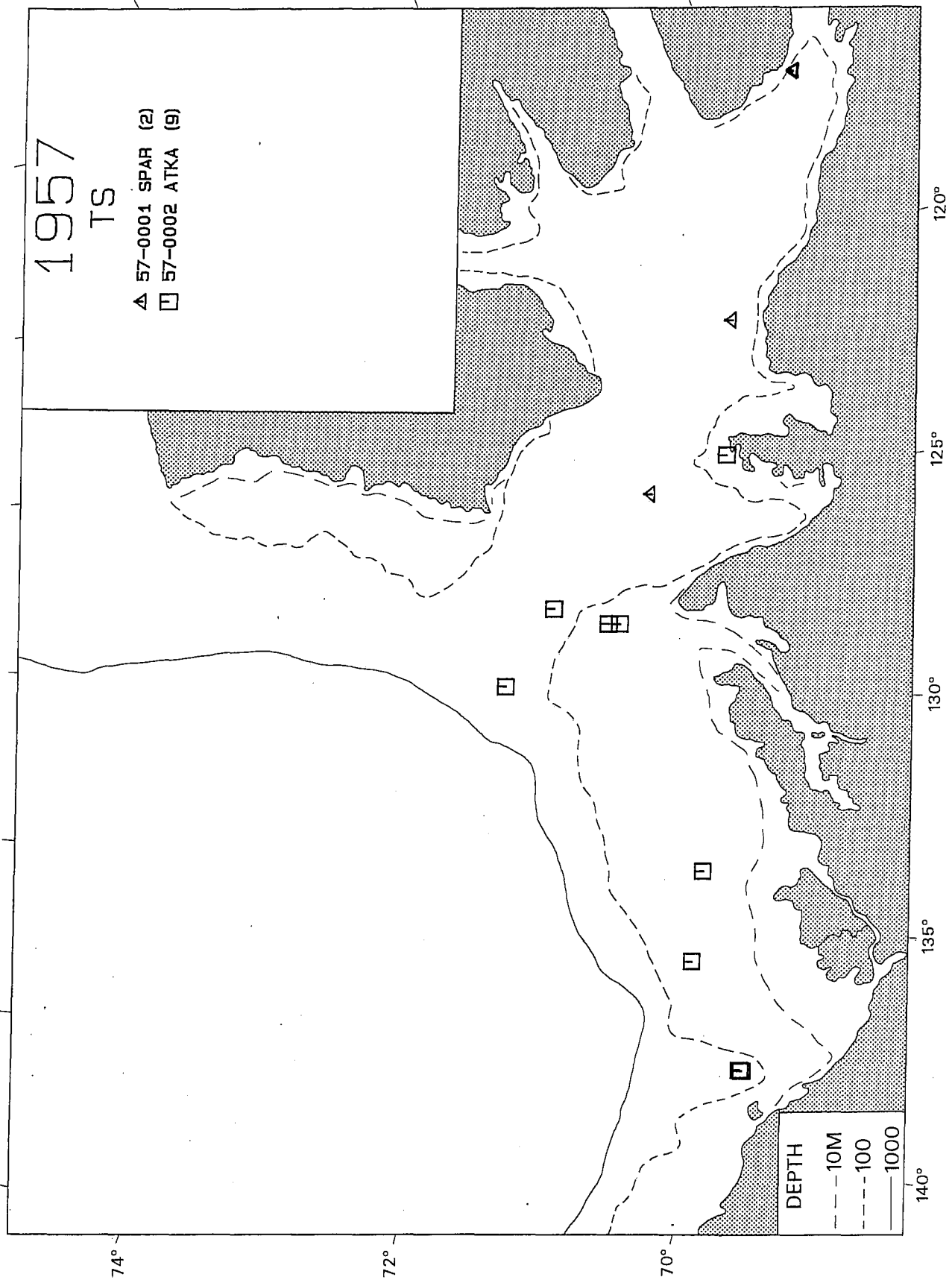
135°

130°

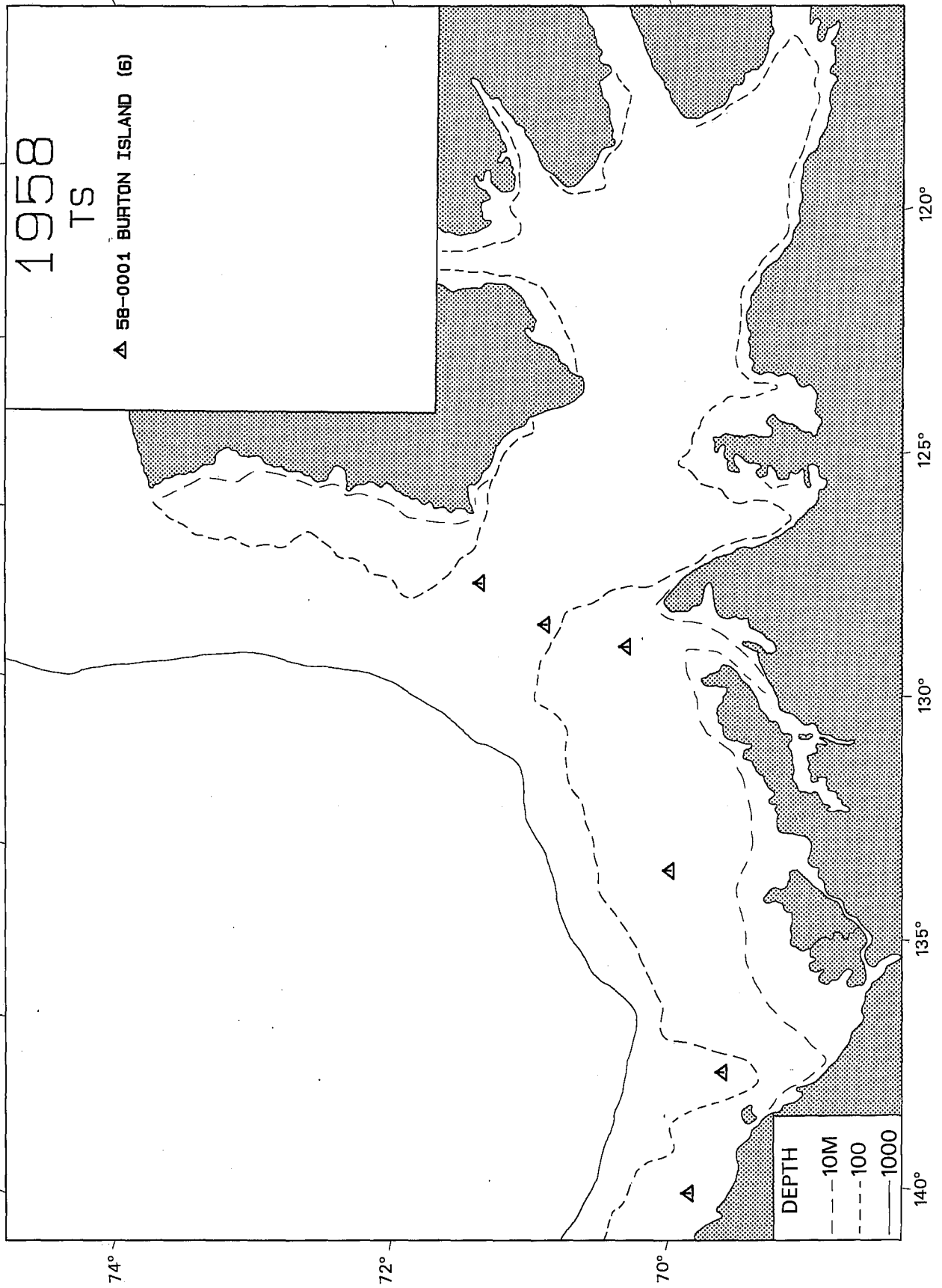
125°

120°









1959

TS

△ 59-0001 T-3 (12)

□ 59-0002 STATEN ISLAND (16)

▽ 59-0014 AIRCRAFT (1)

WL

\* 59-0004 CHS (1)

DEPTH

--- 10M  
--- 100  
--- 1000

74°

72°

70°

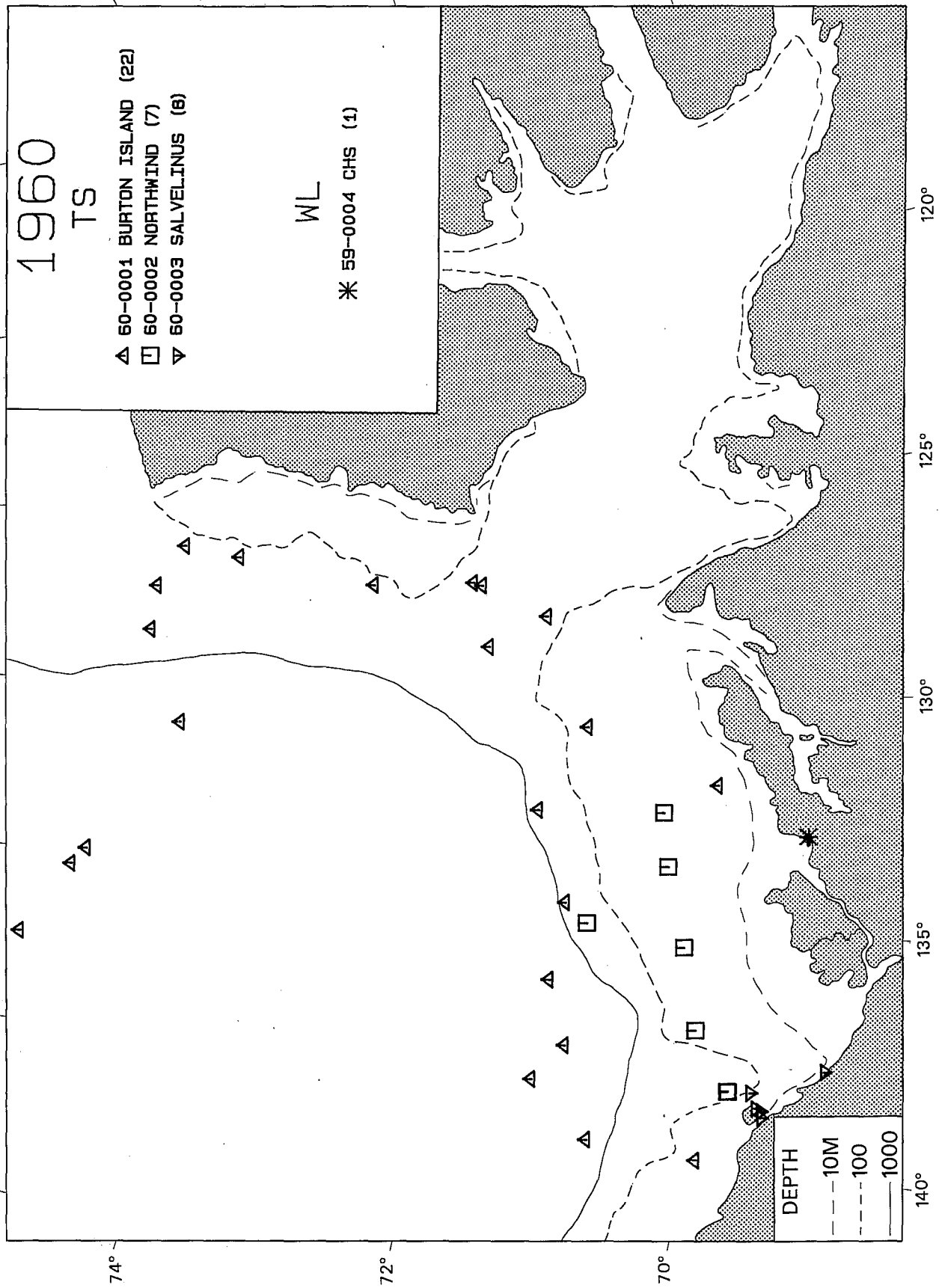
140°

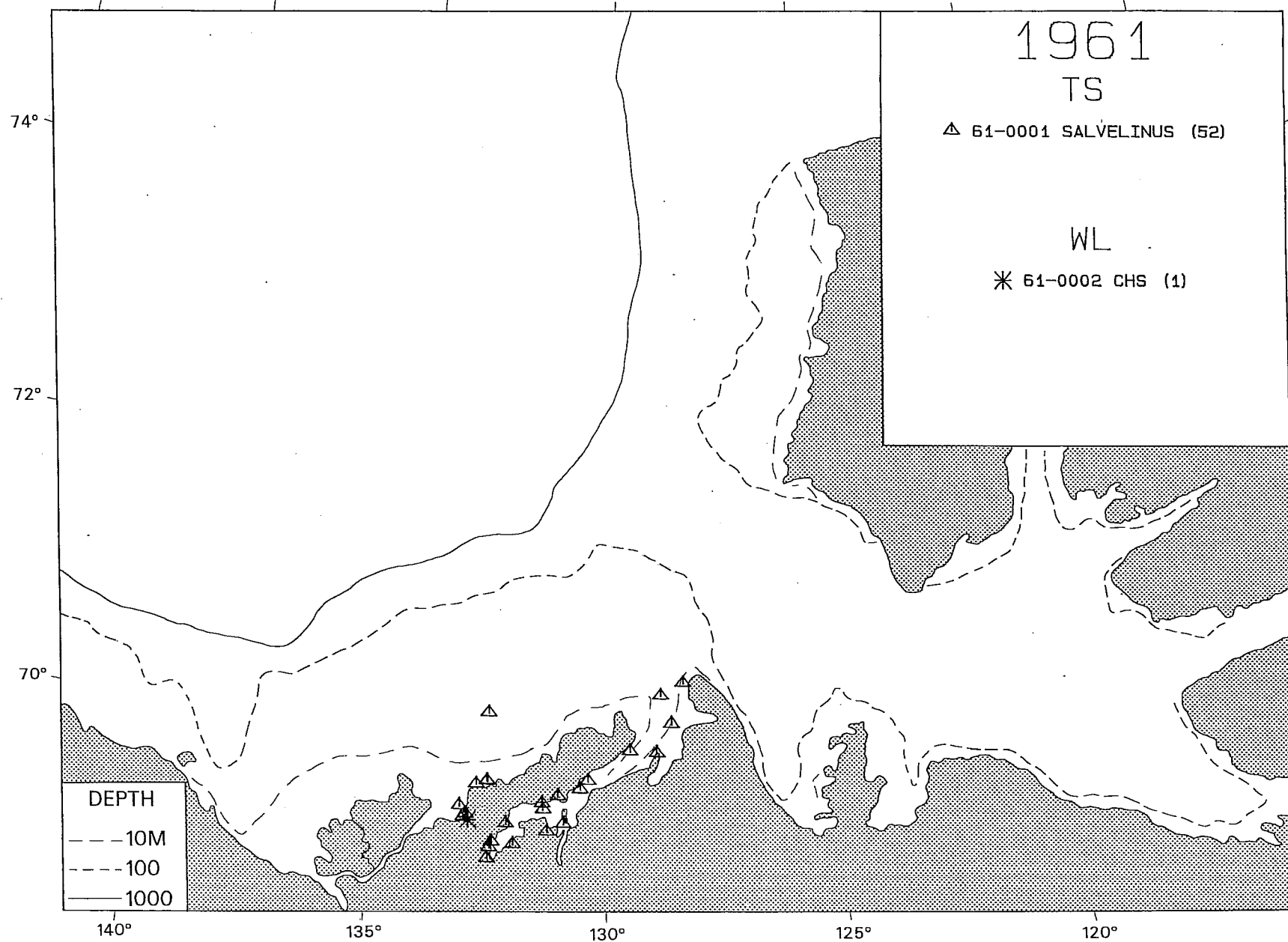
135°

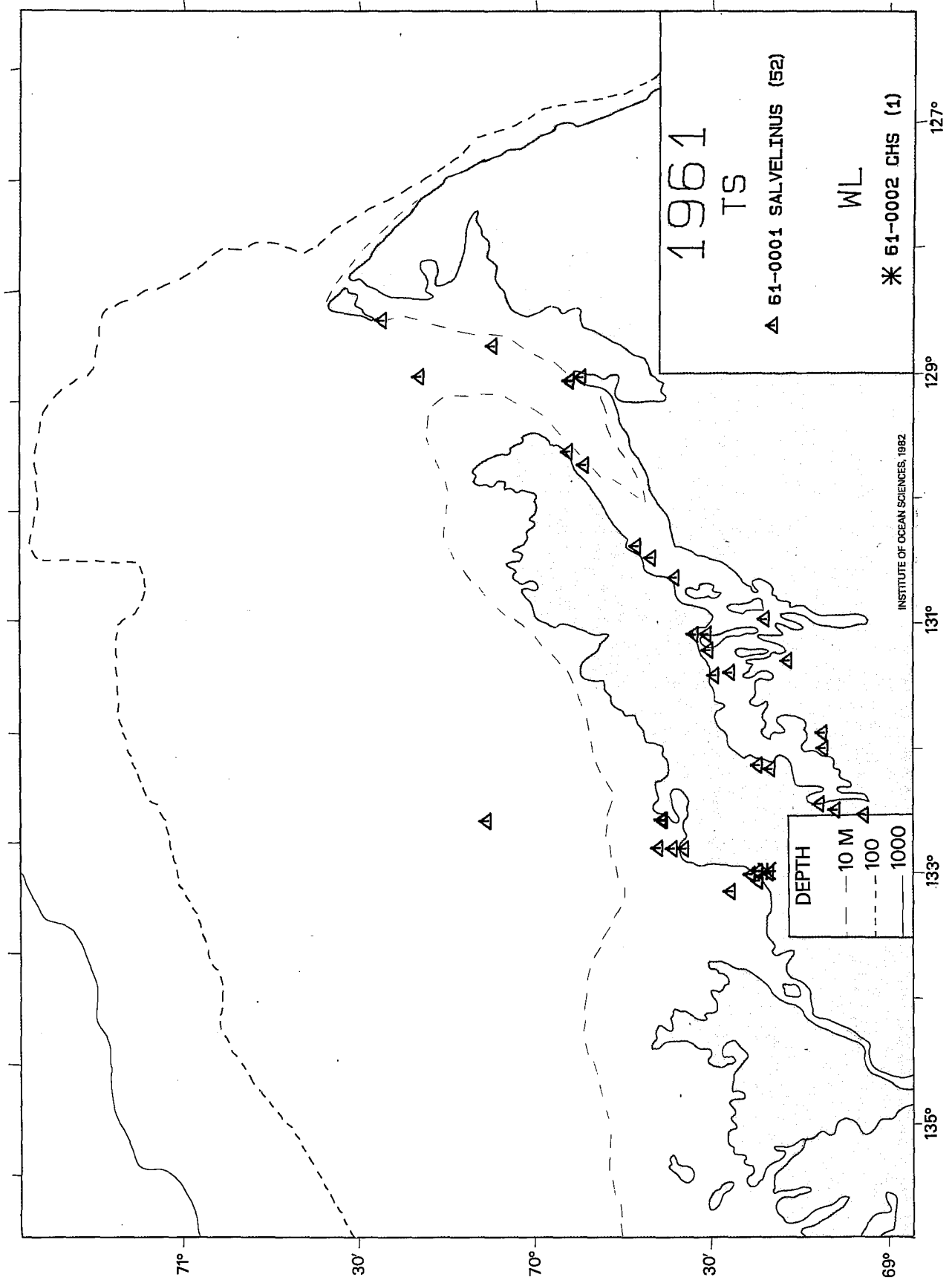
130°

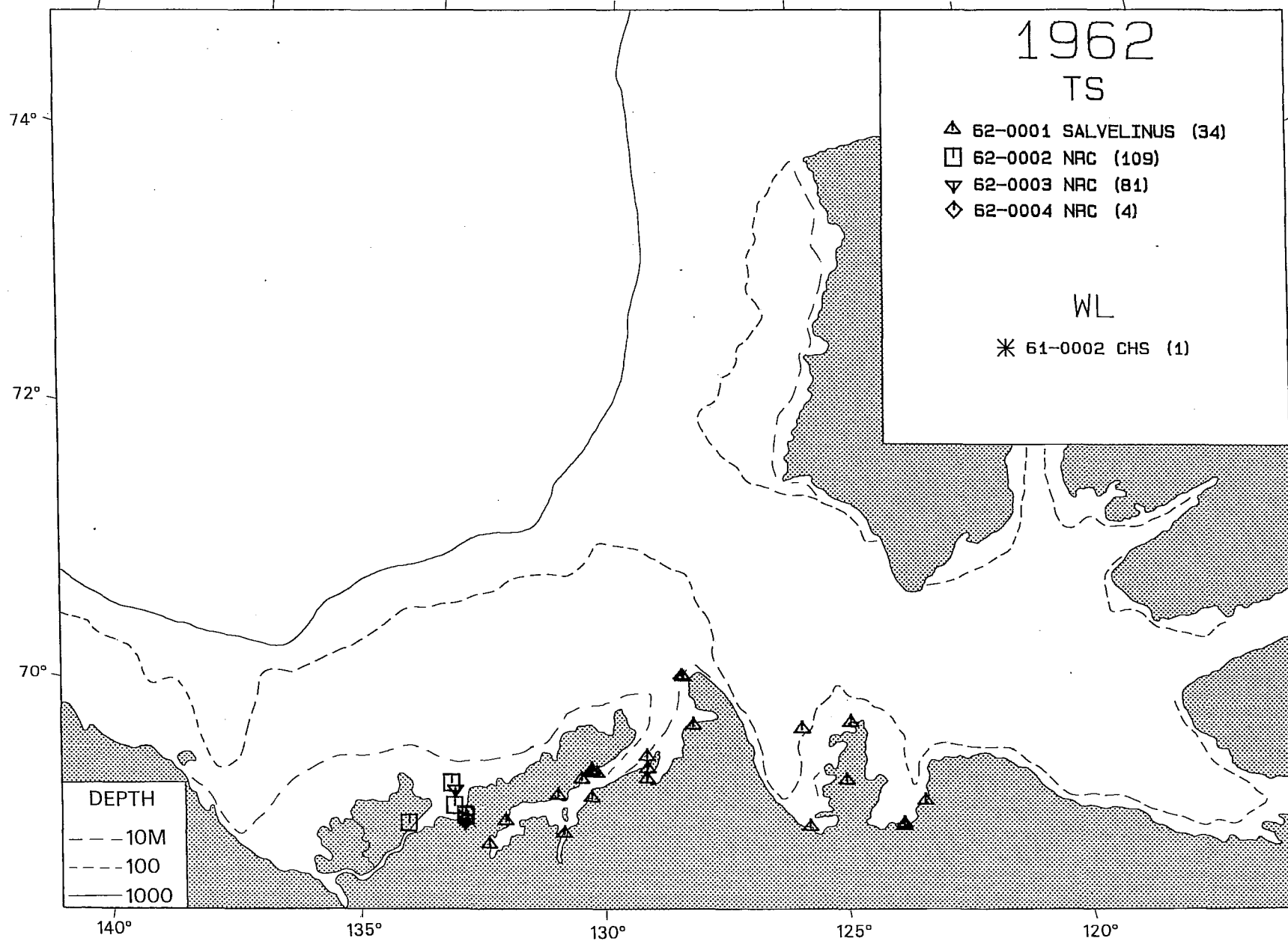
125°

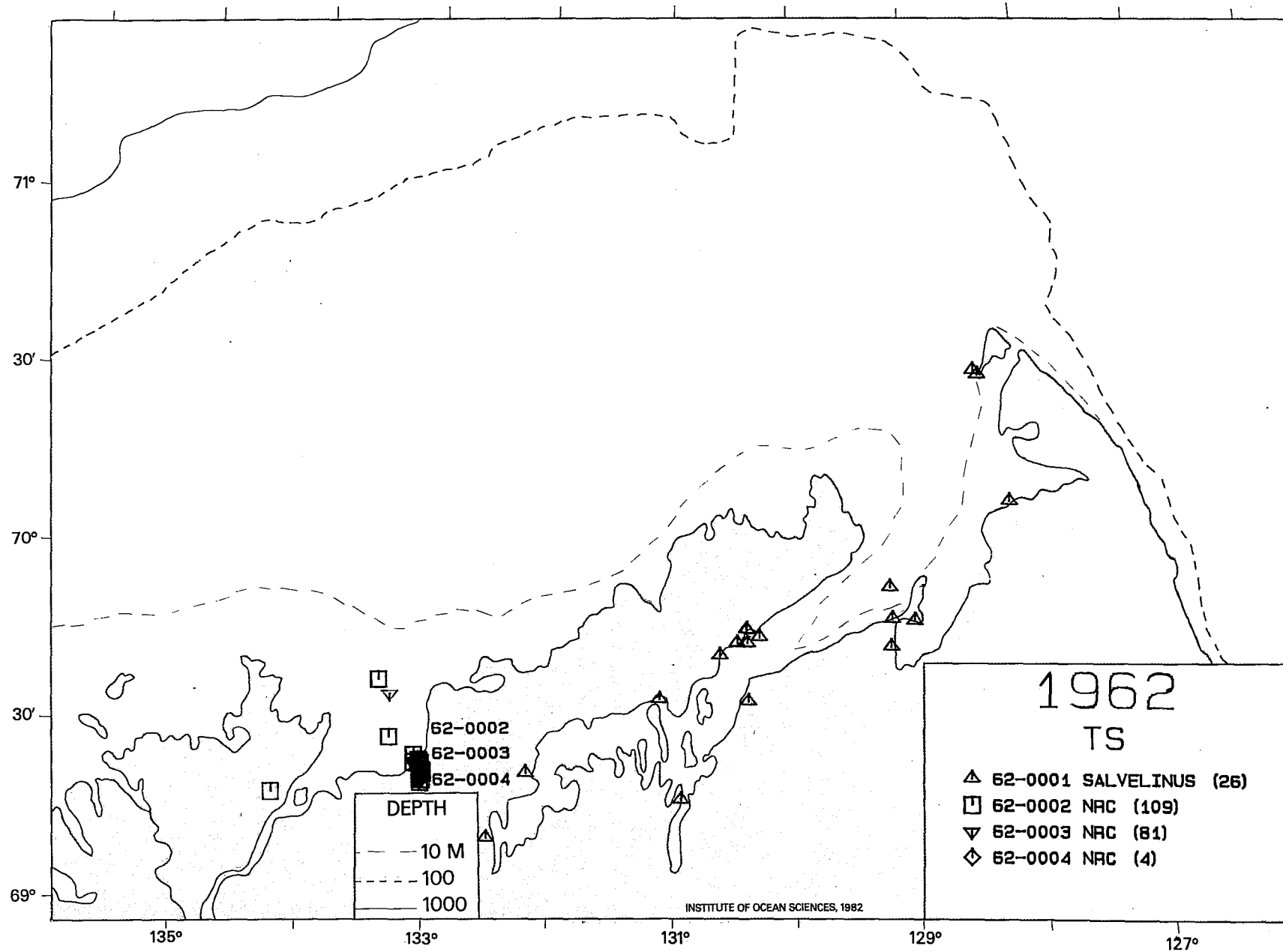
120°

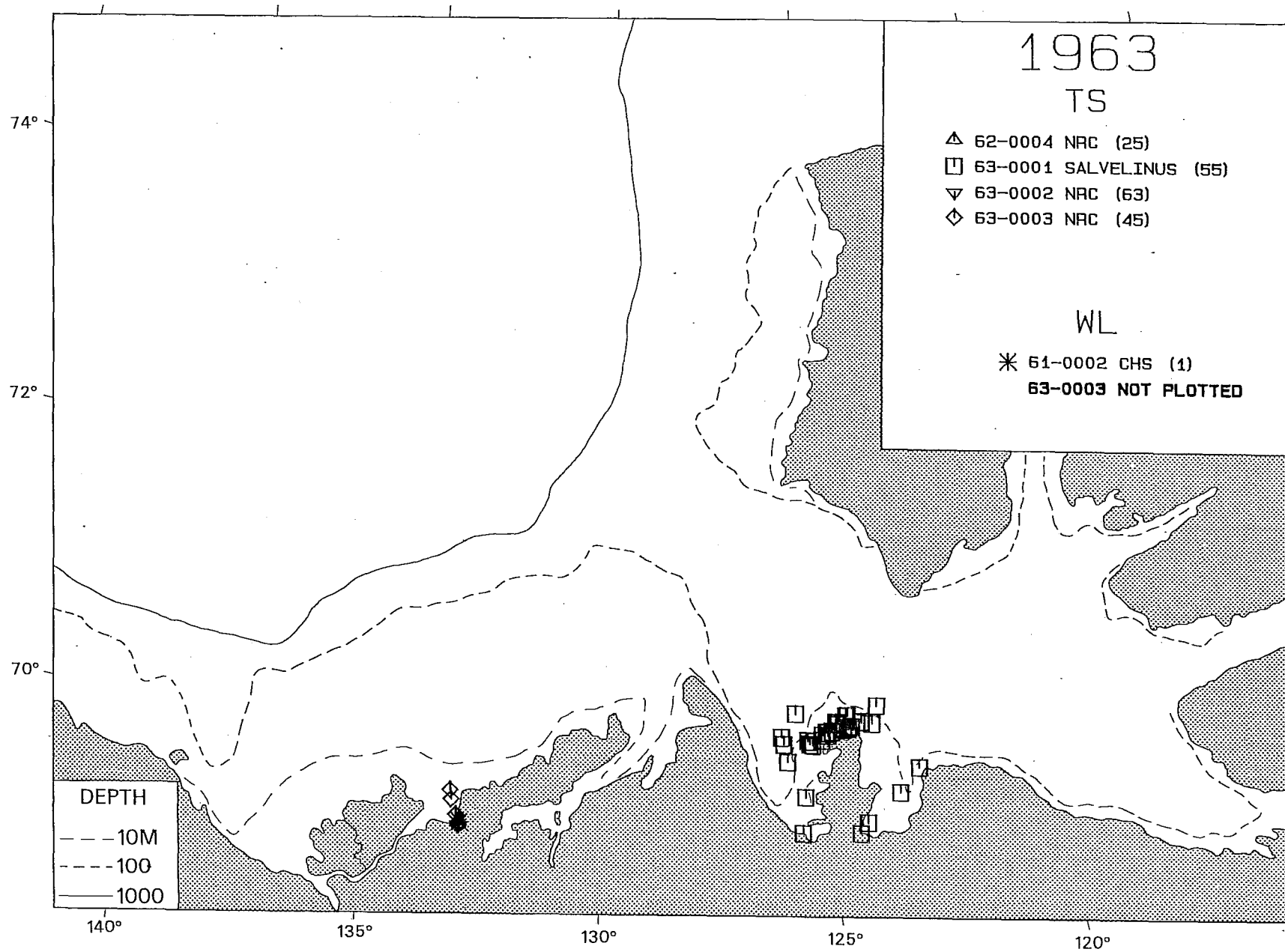




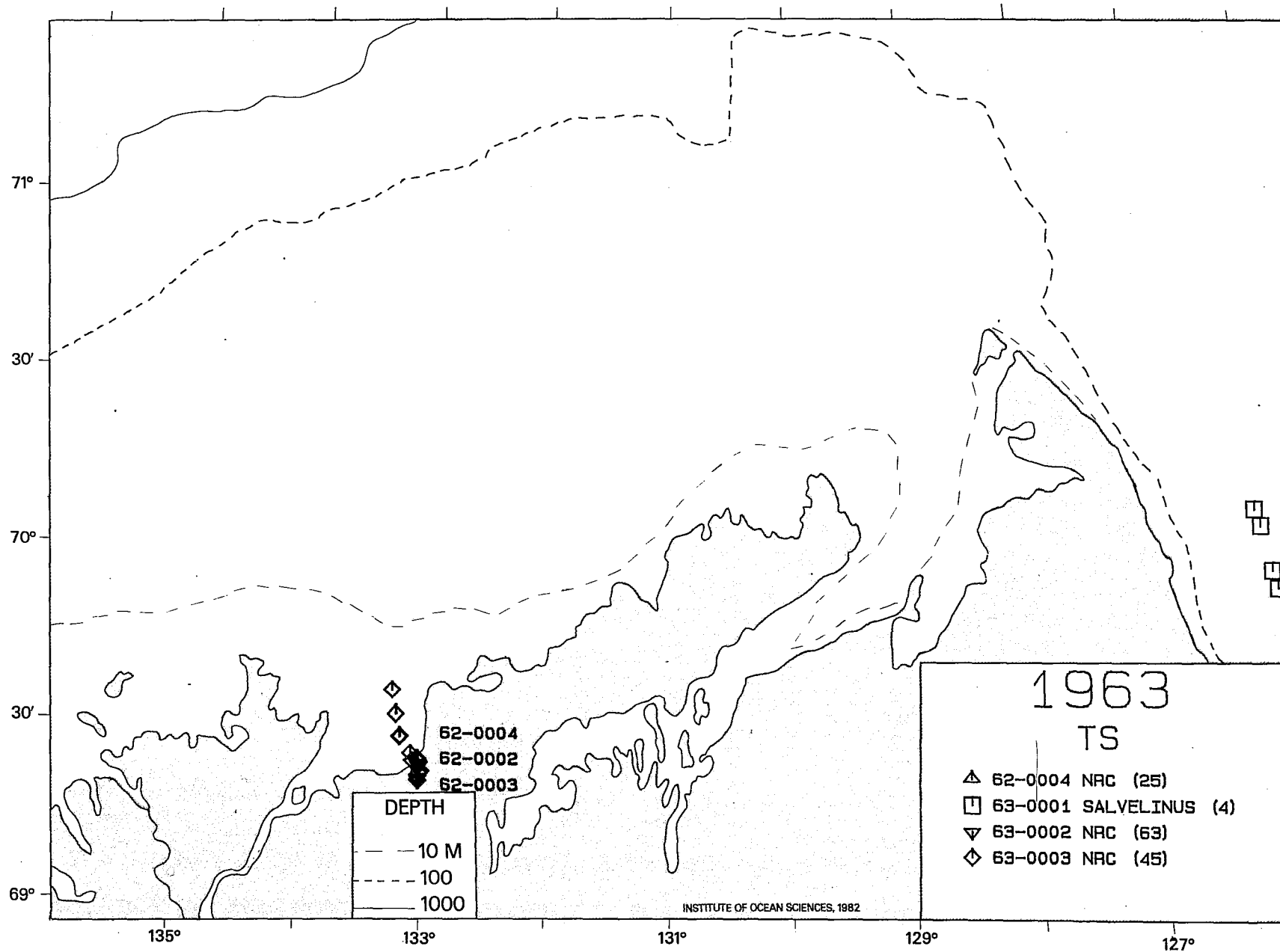


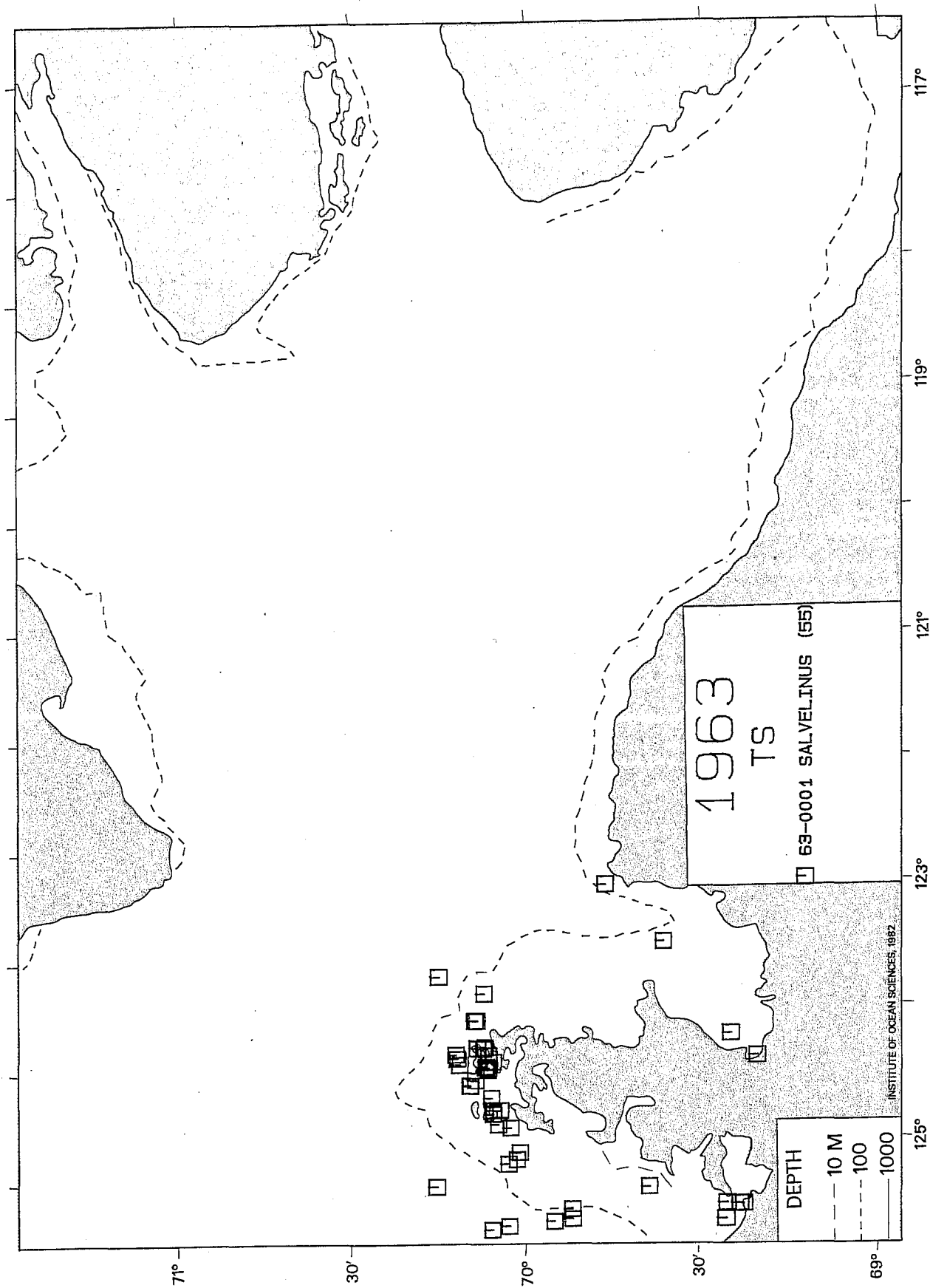


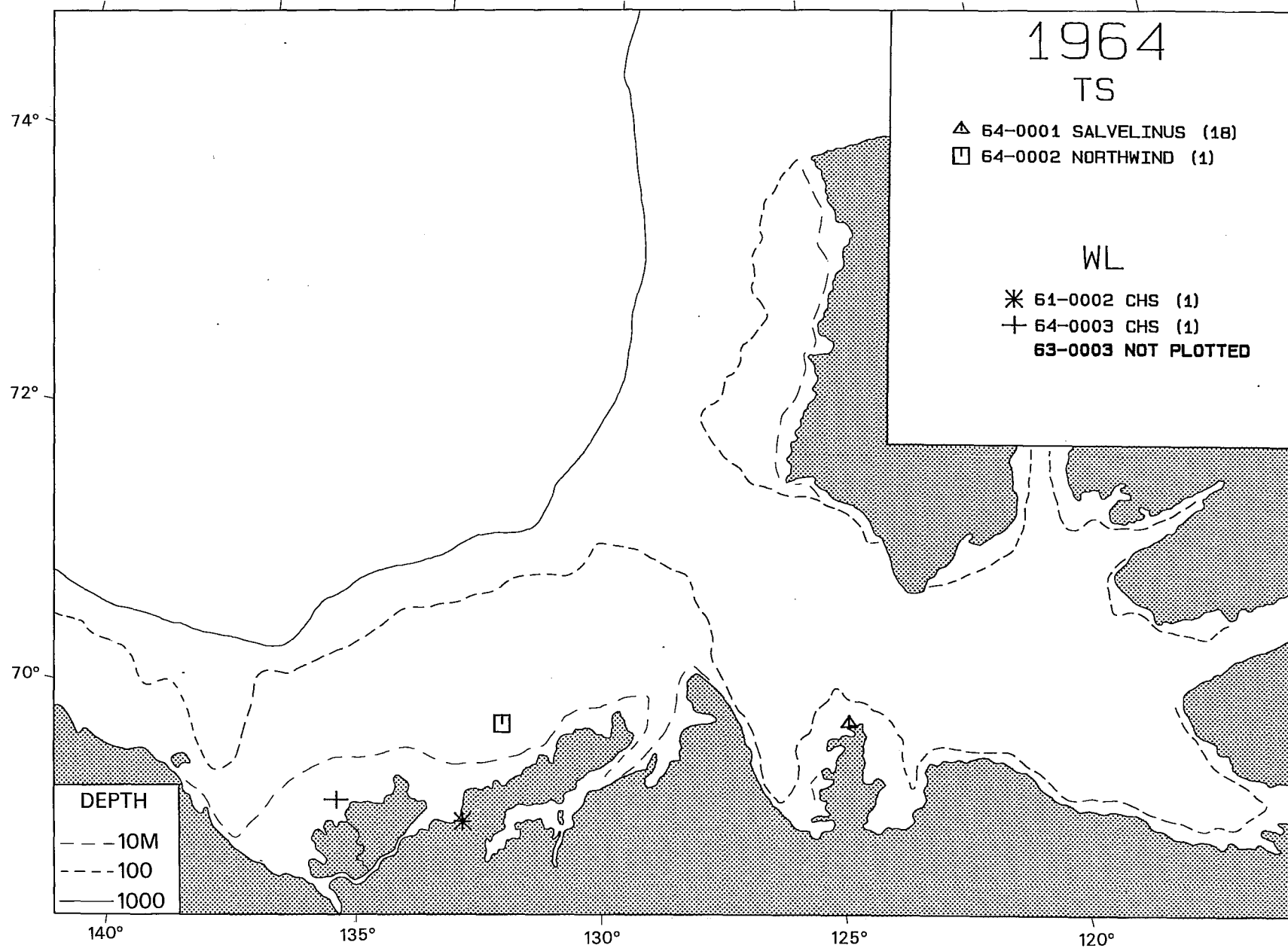












1965

WL

\* 61-0002 CHS (1)

+ 65-0001 CHS (1)

74°

72°

70°

DEPTH

--- 10M  
--- 100  
— 1000

140°

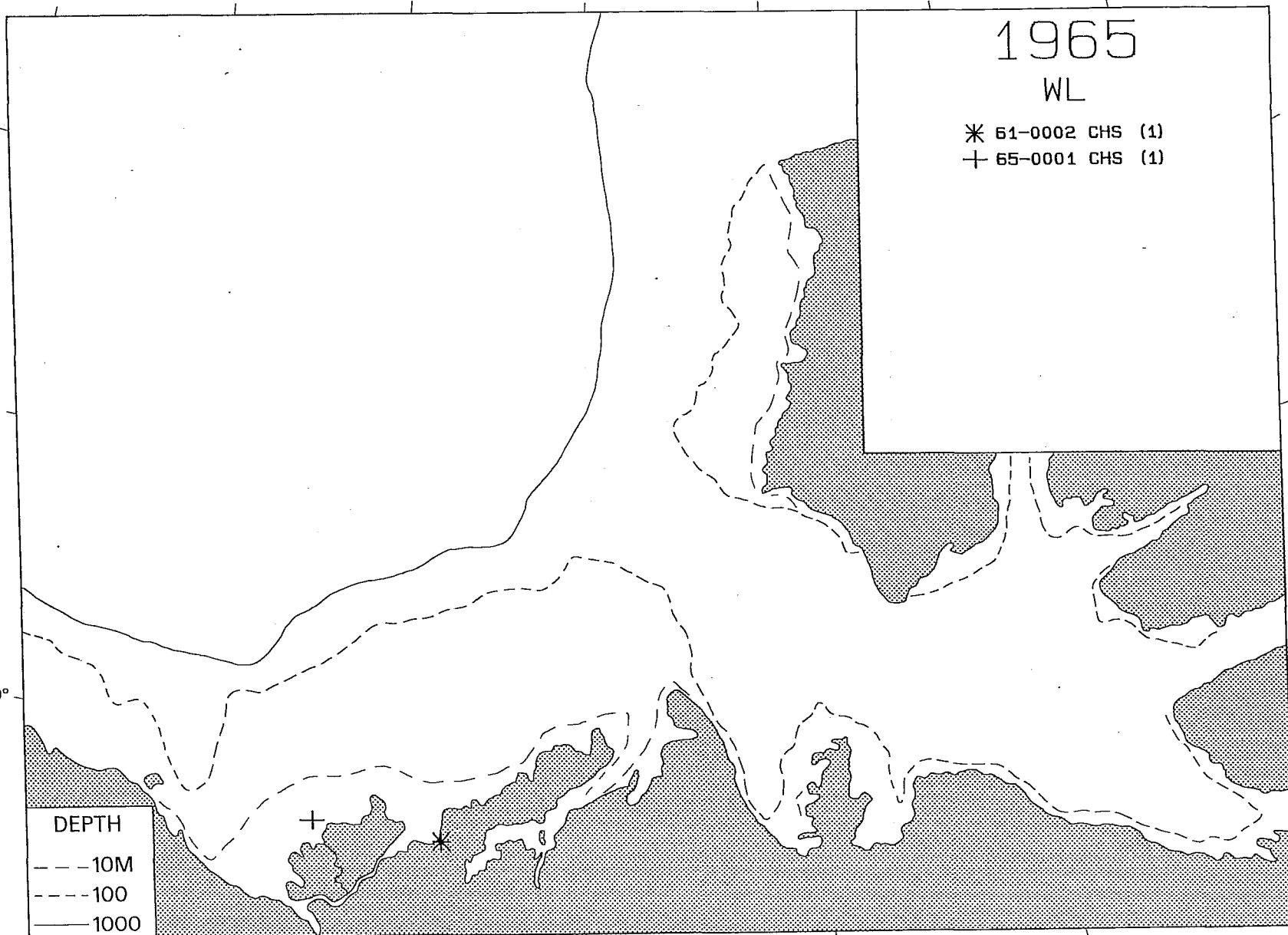
135°

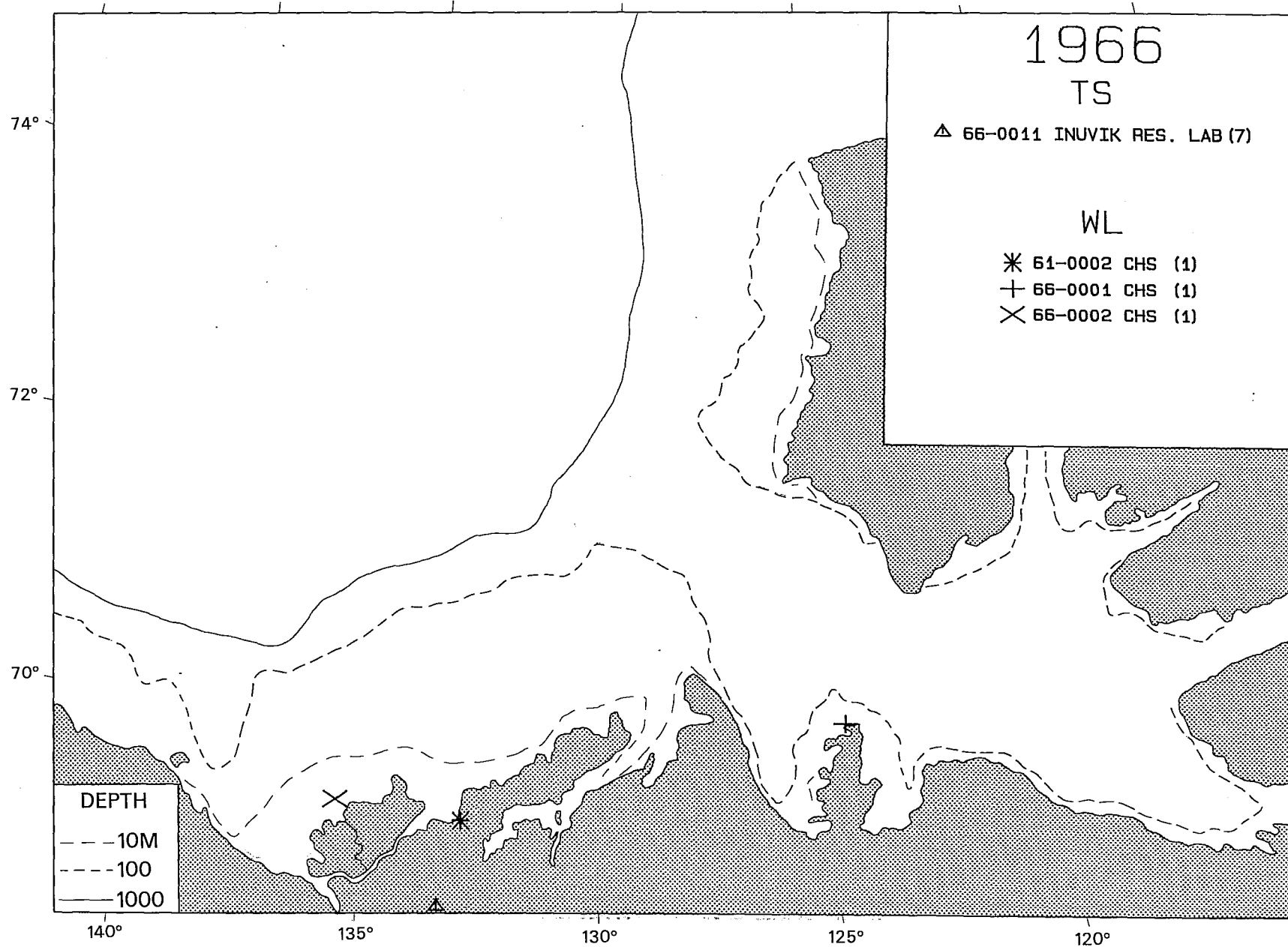
130°

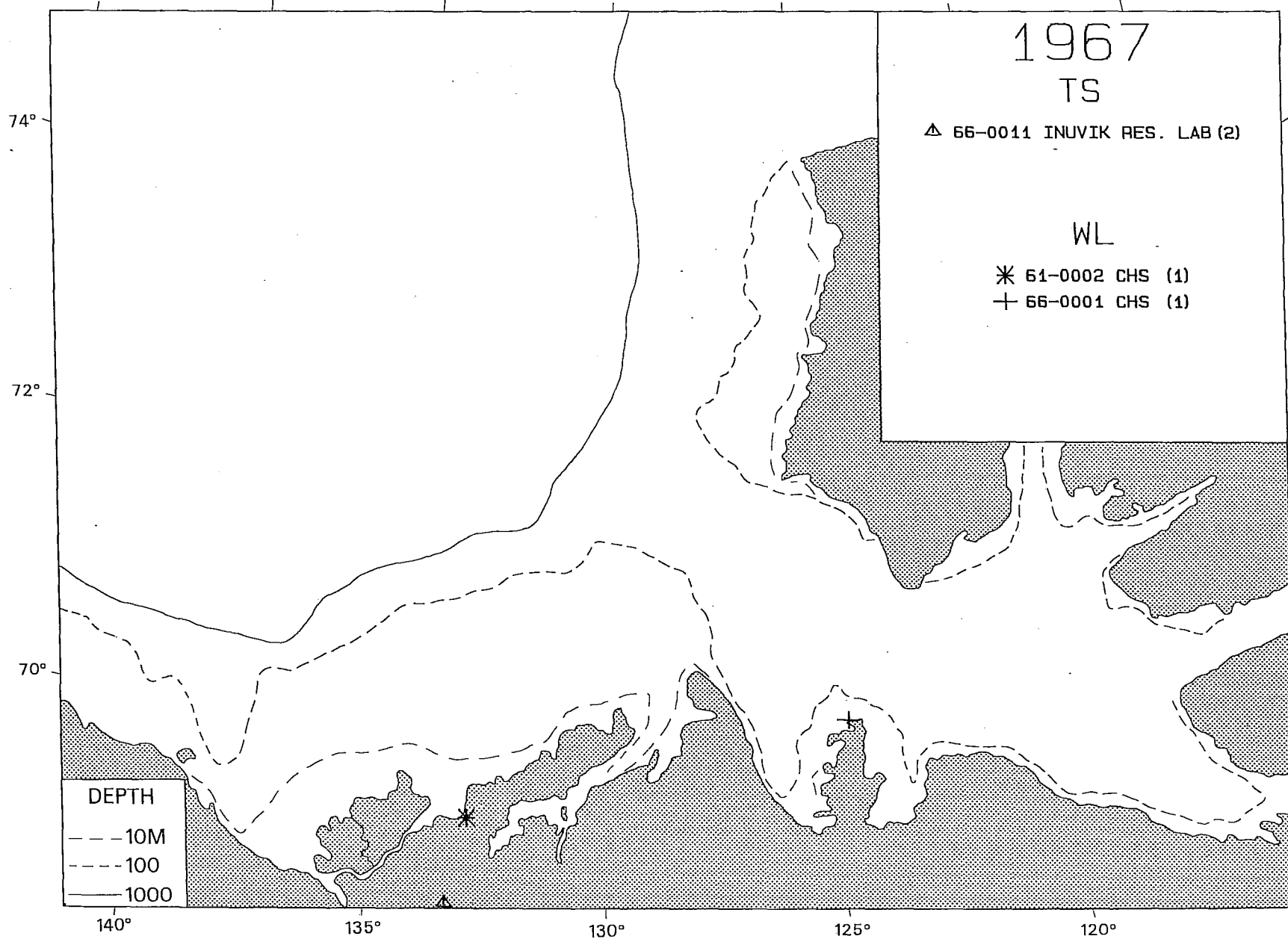
125°

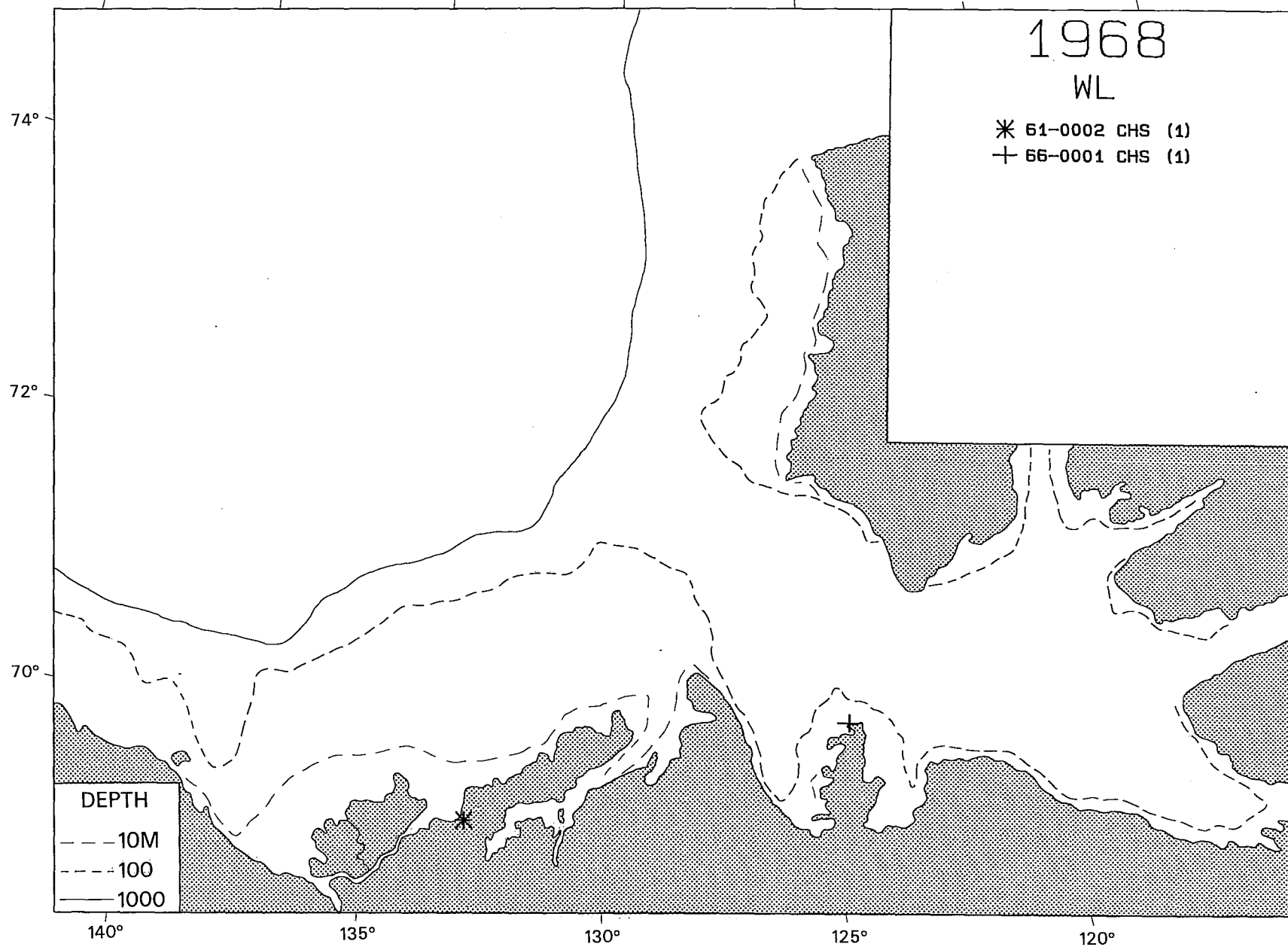
120°

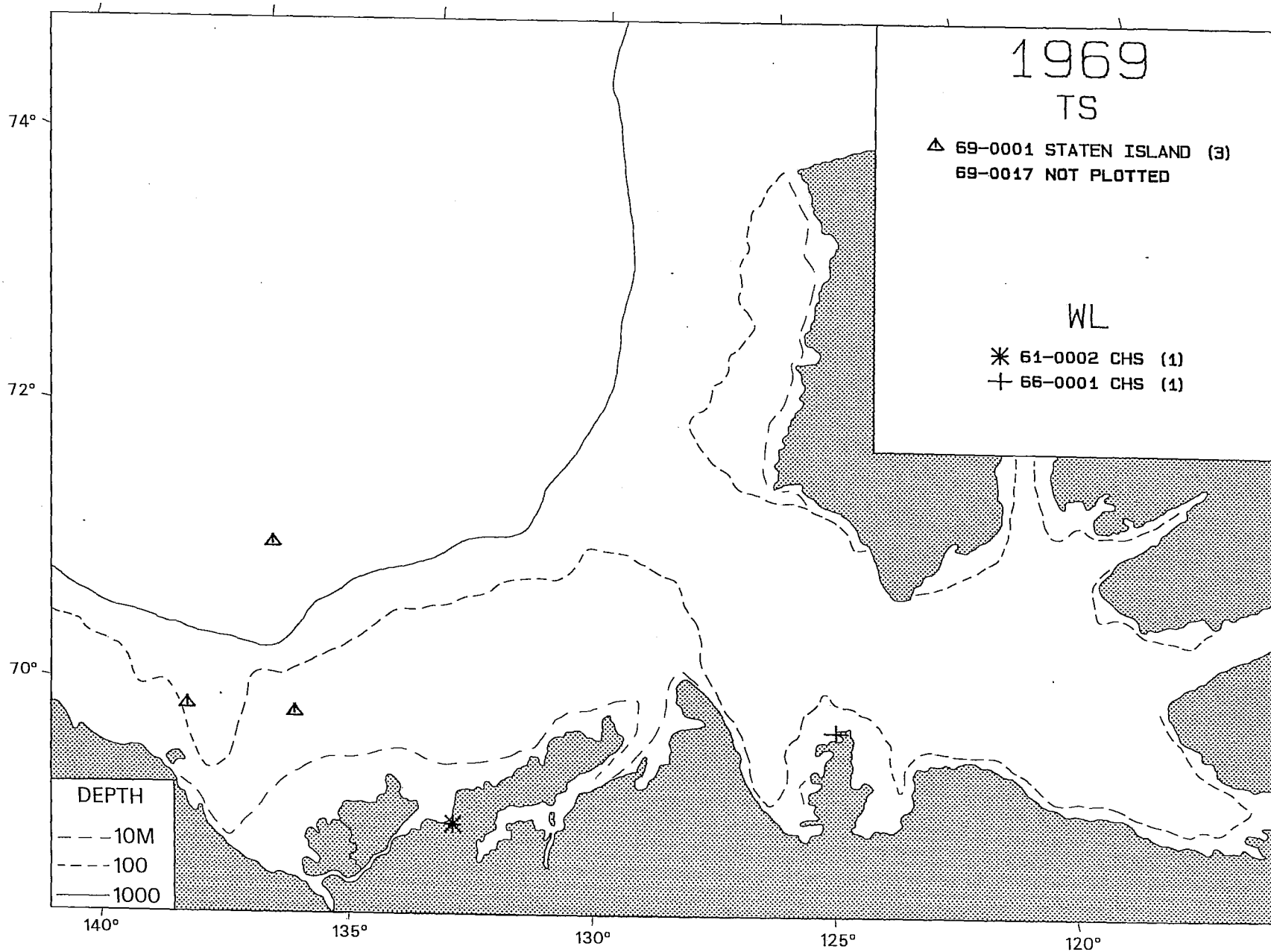
120



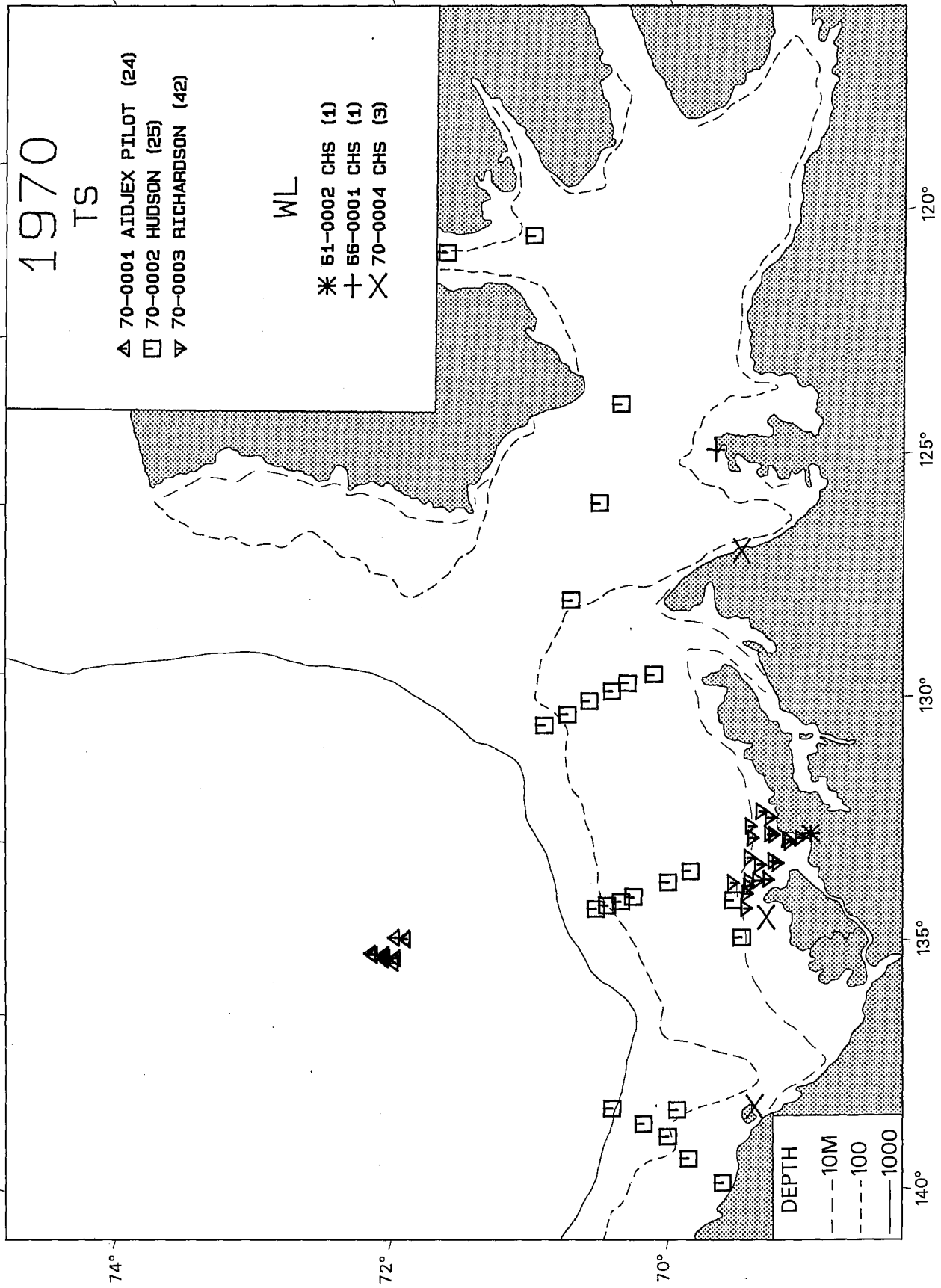


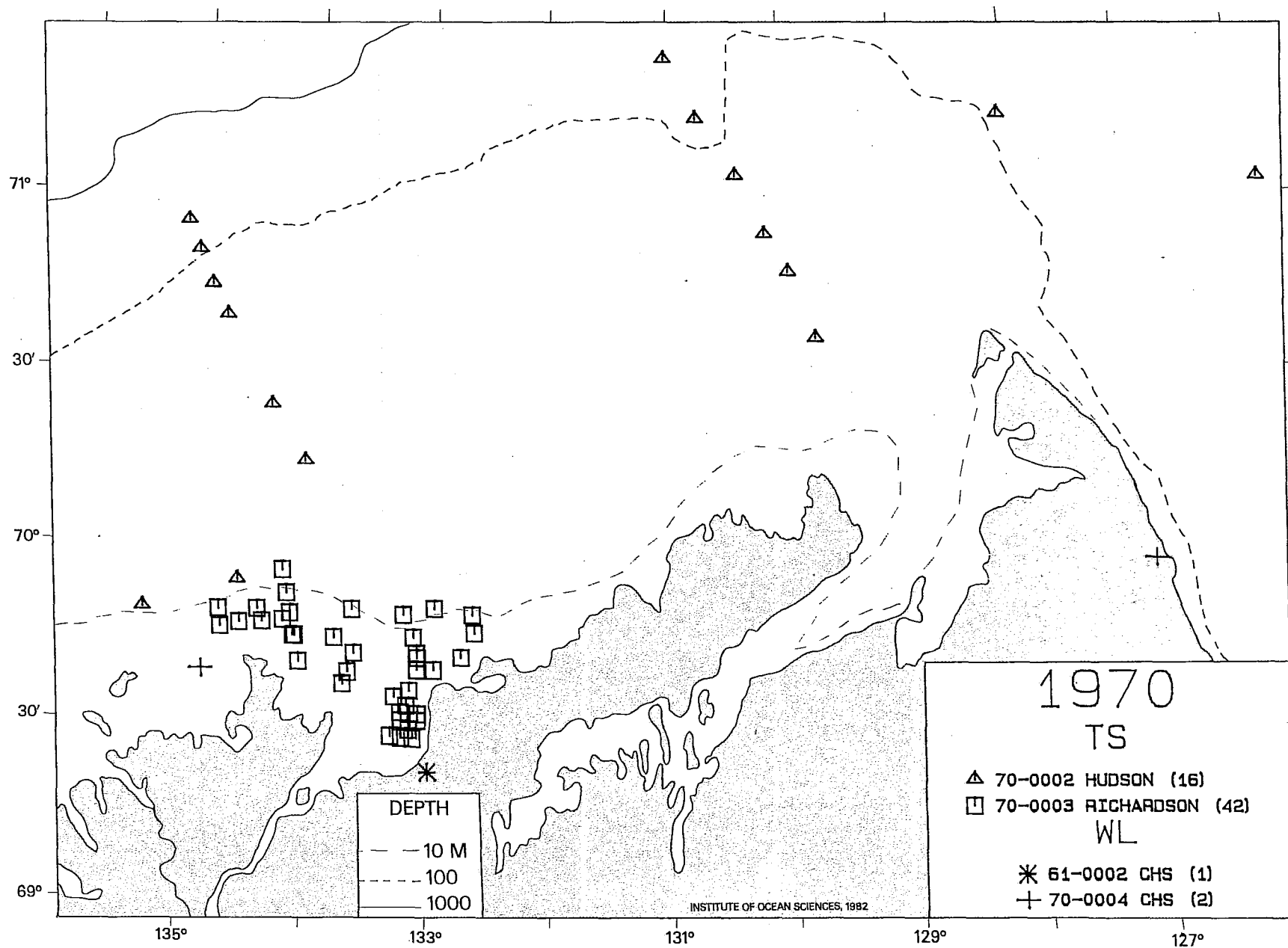


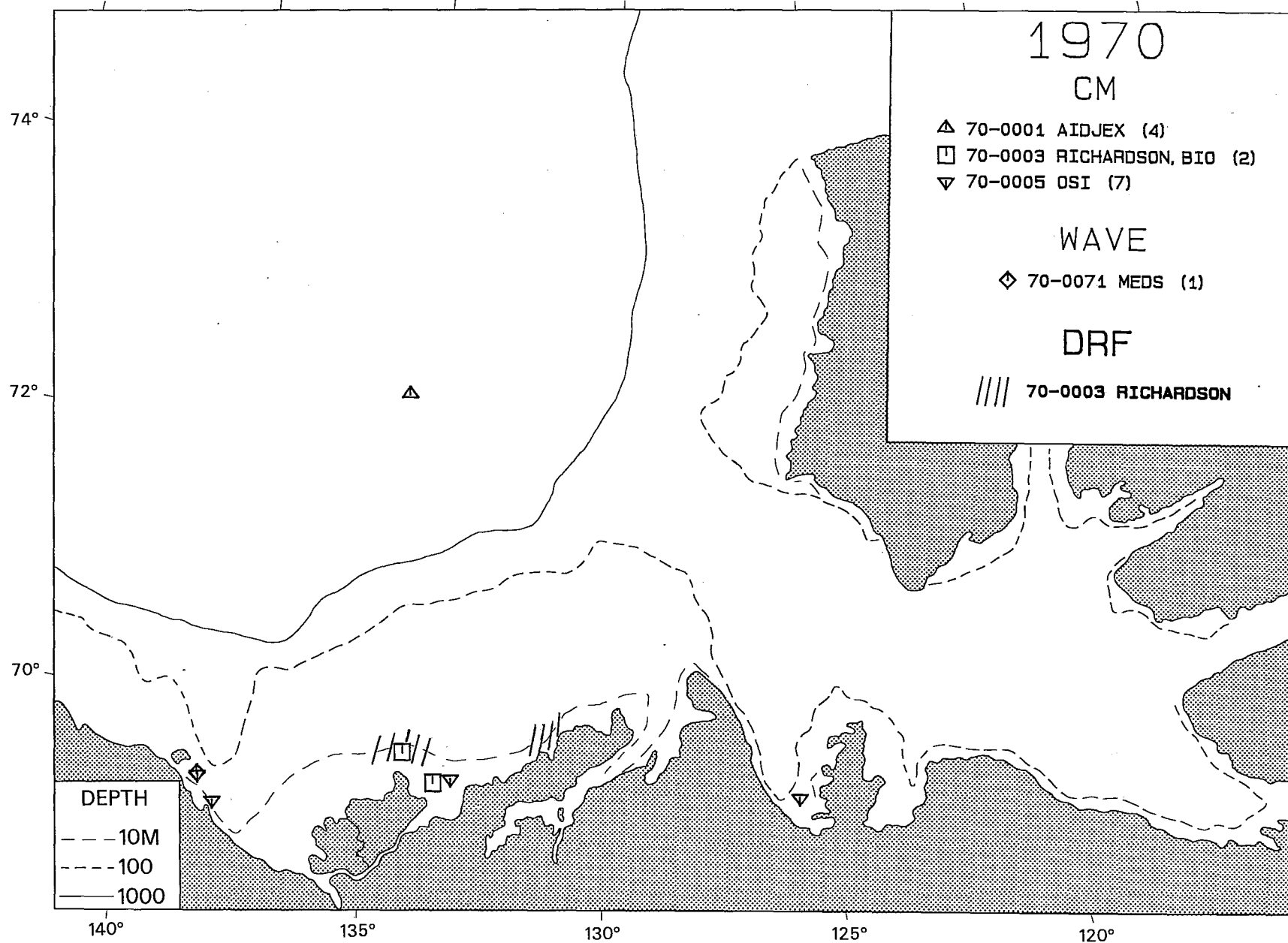


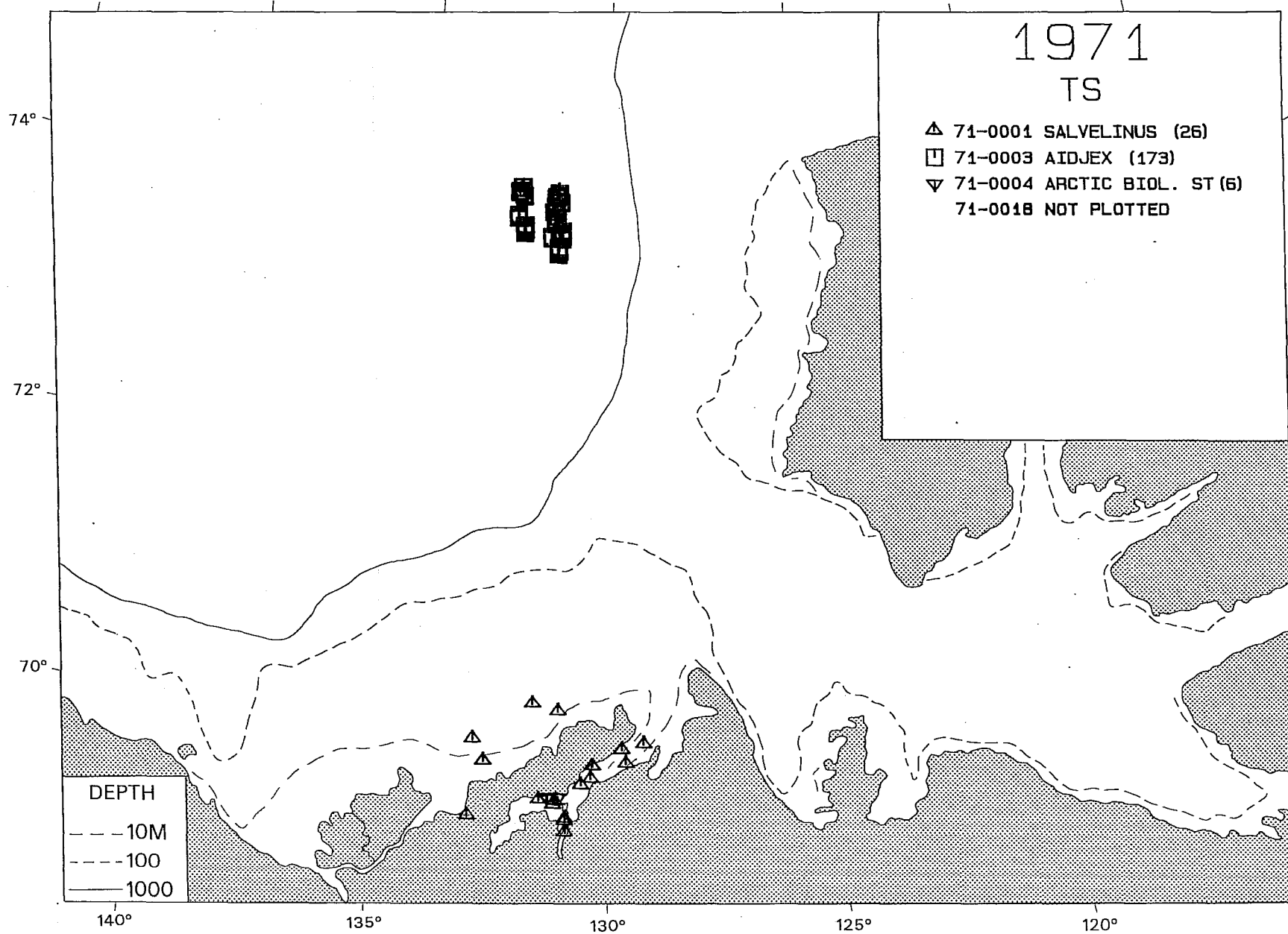


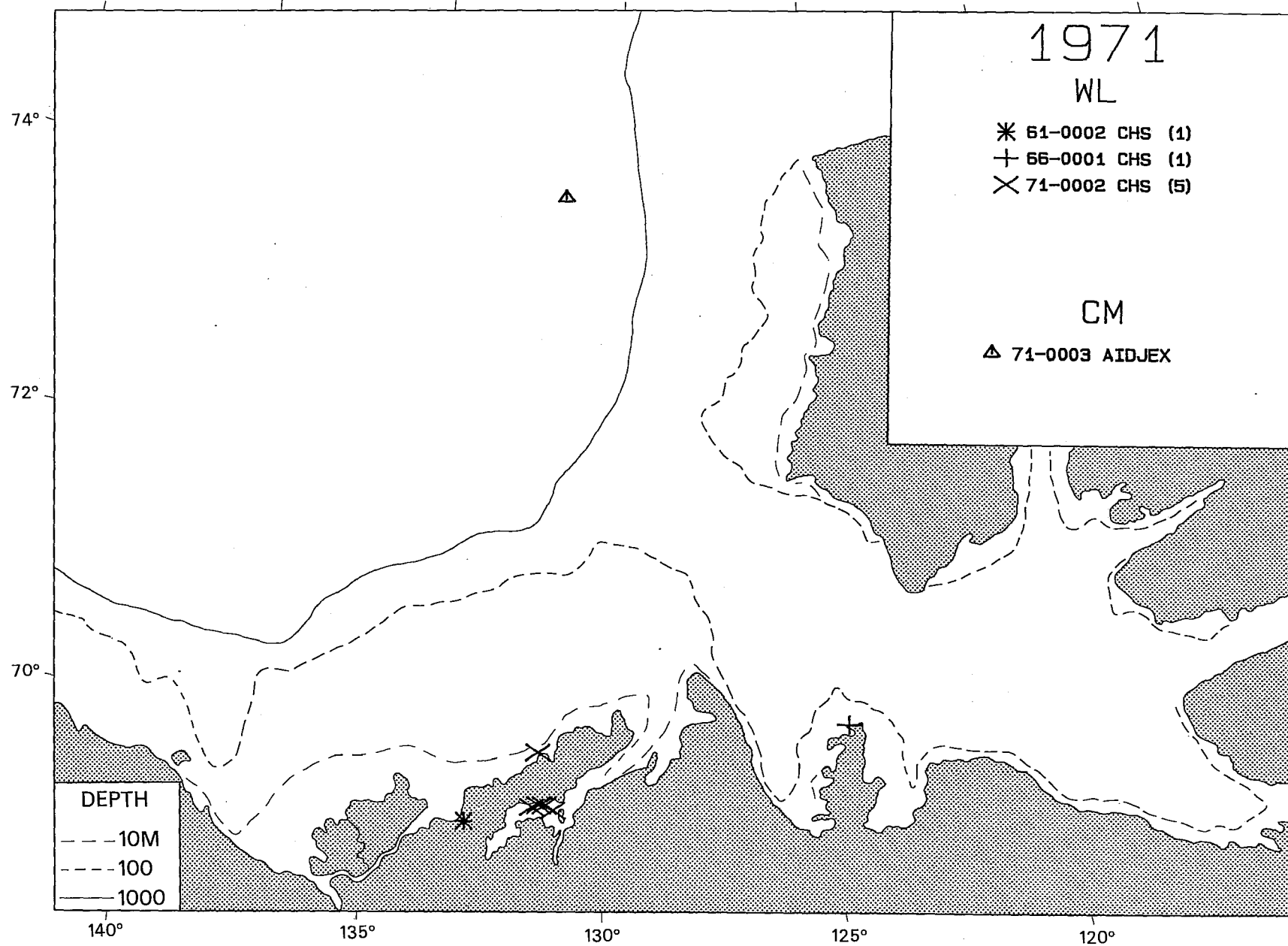


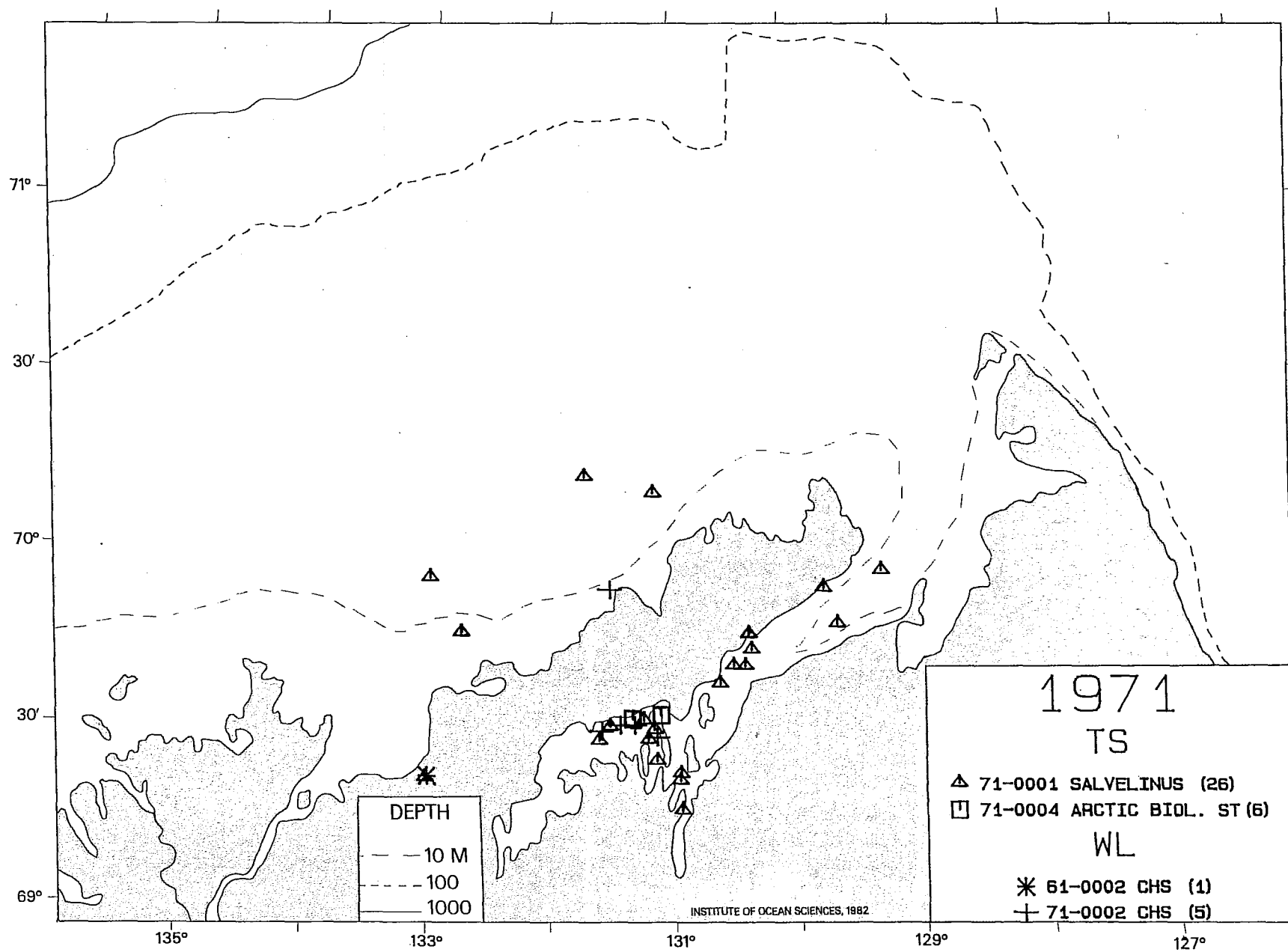


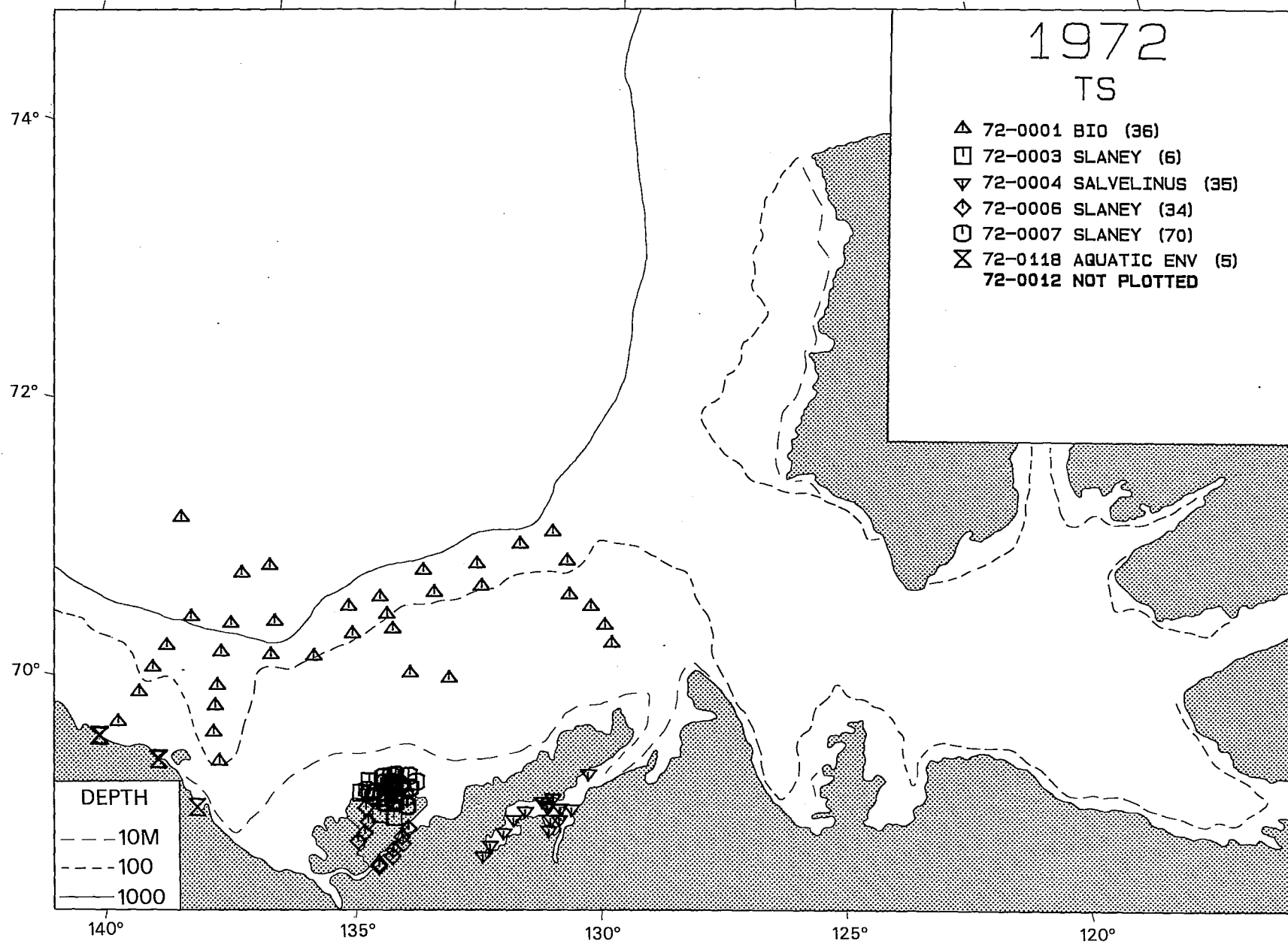


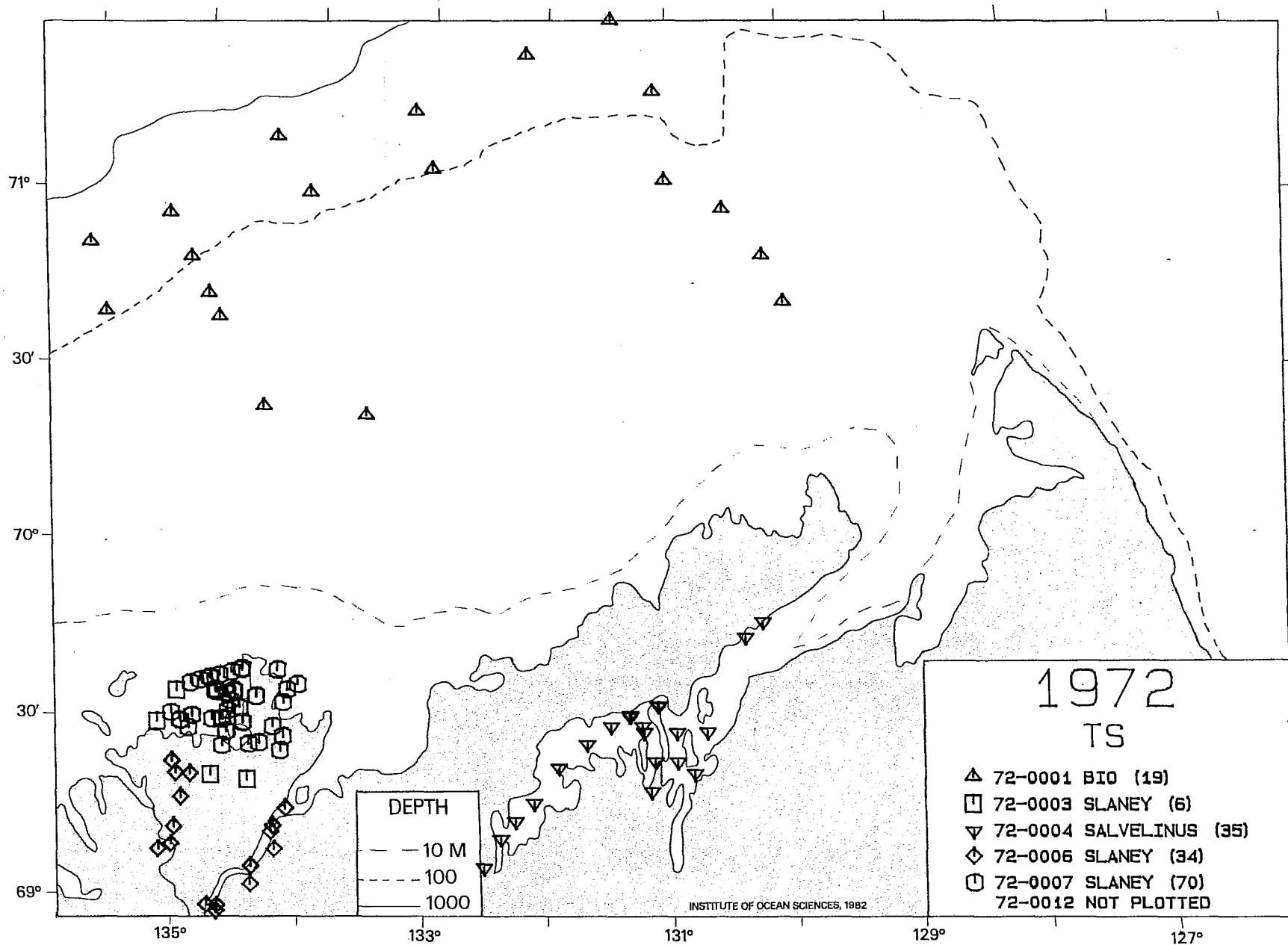




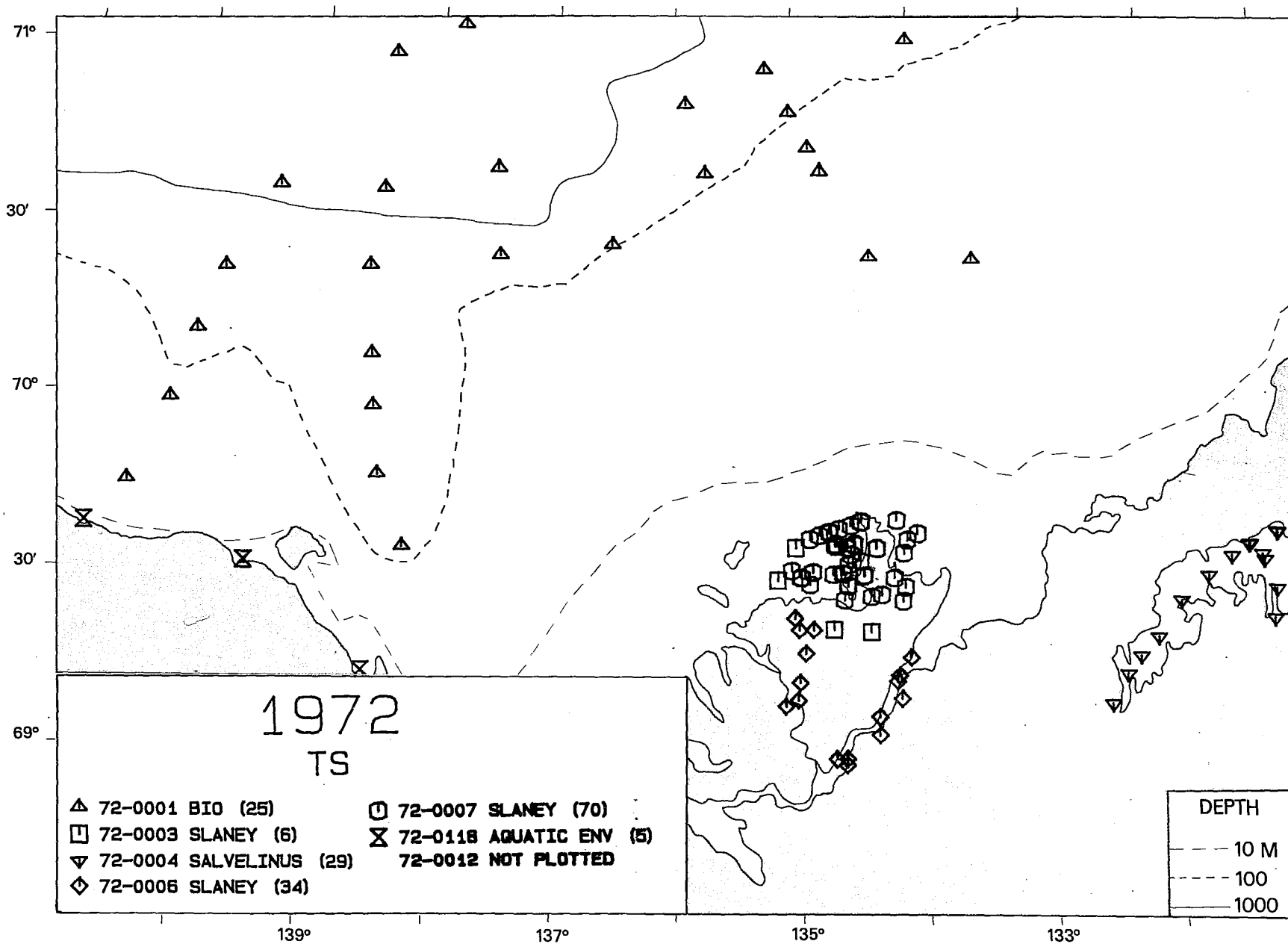


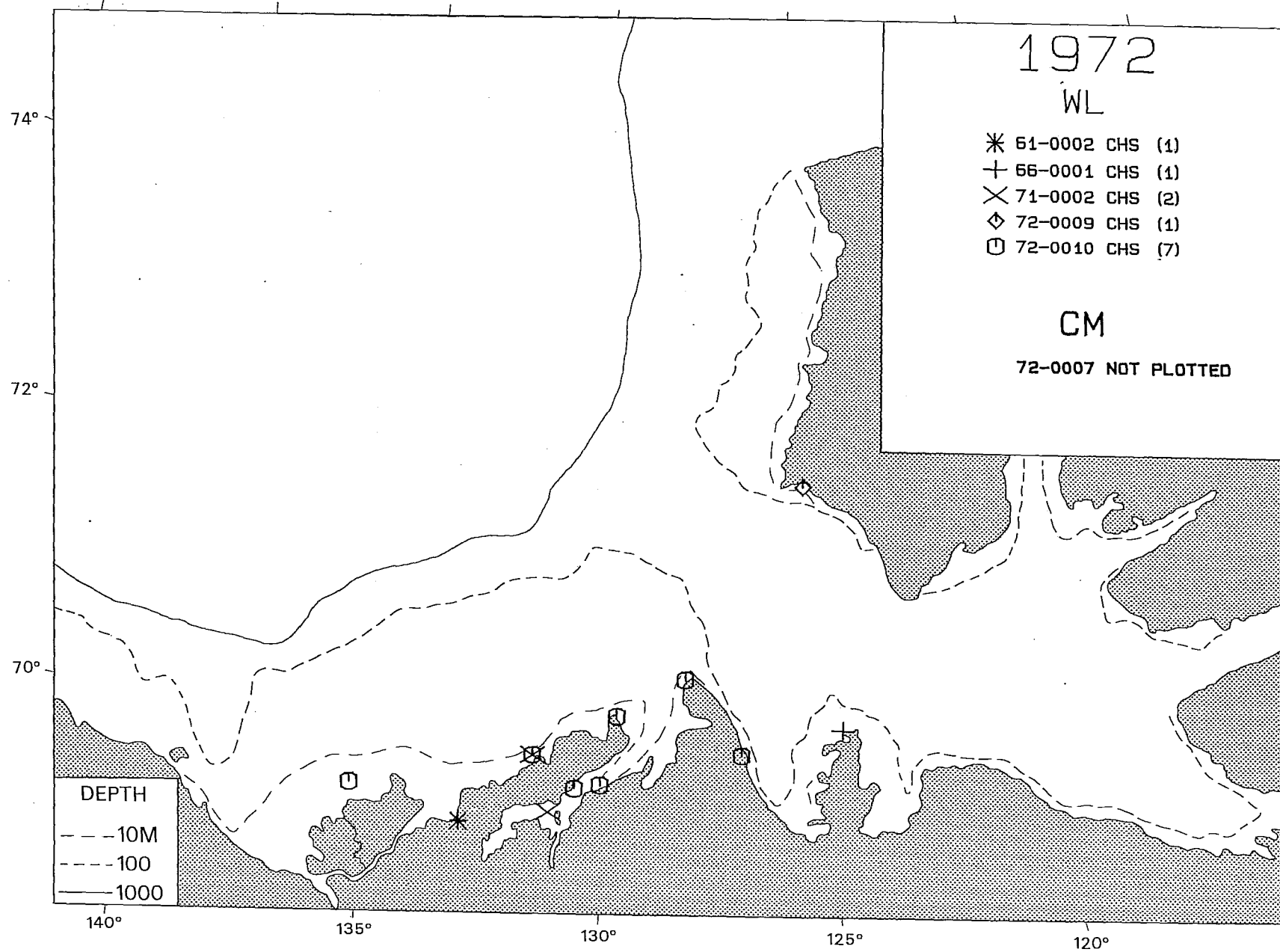


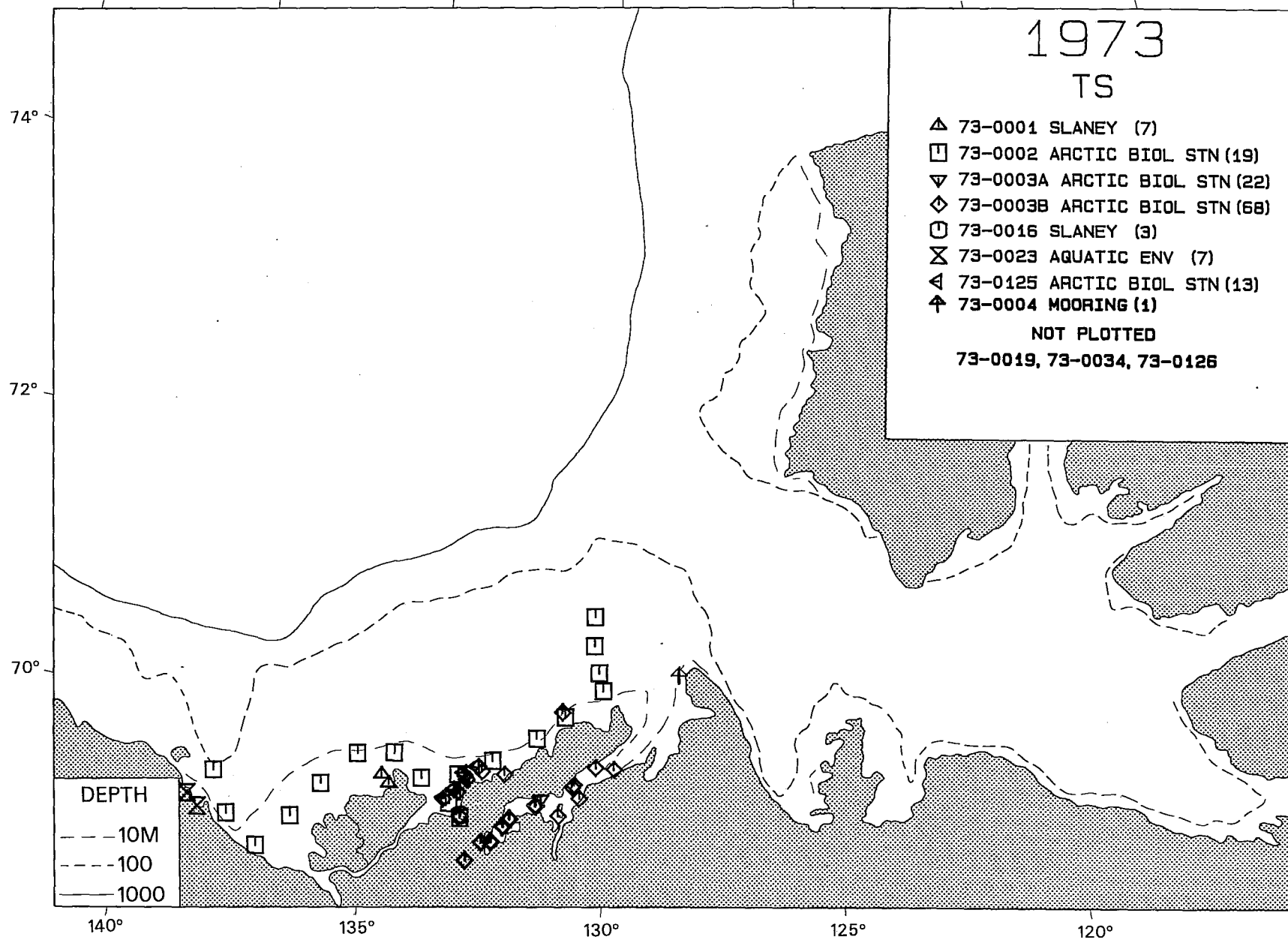


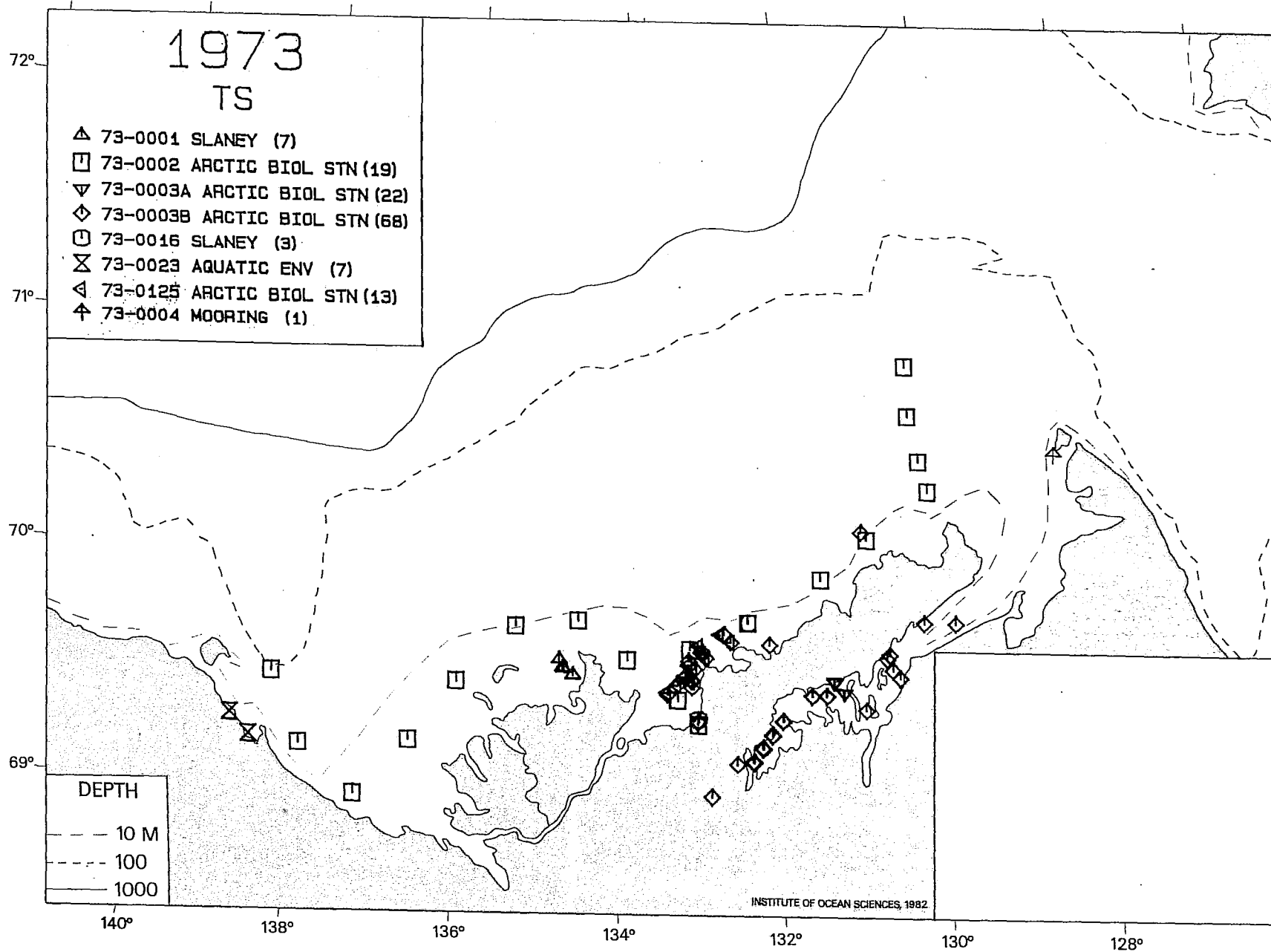


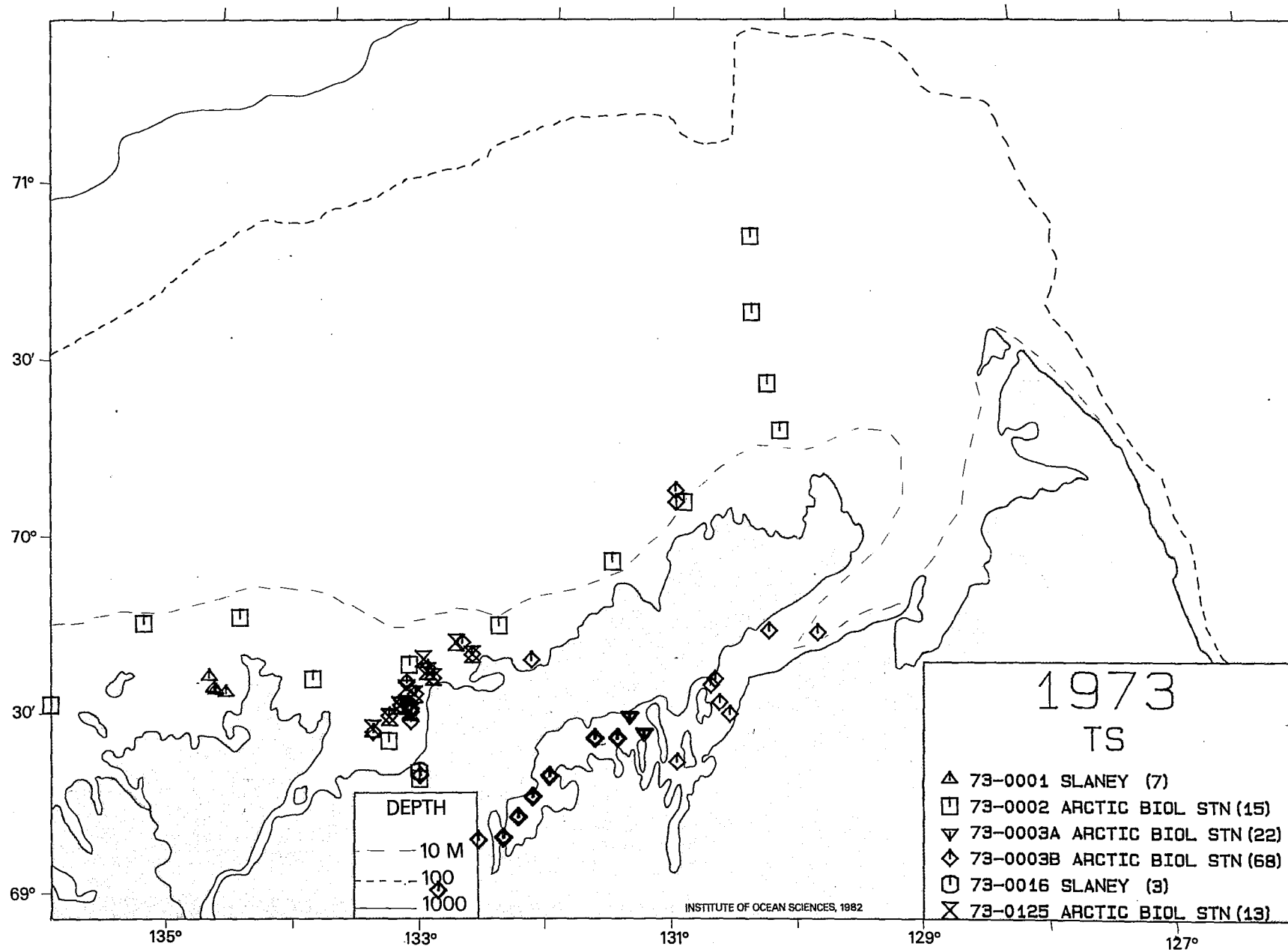












1973

CM

△ 73-0001 SLANEY (7)

WL

+ 61-0002 CHS (1)

× 66-0001 CHS (1)

◇ 72-0009 CHS (1)

□ 73-0004 CHS (6)

⊗ 73-0019 SLANEY (1)

DEPTH

--- 10M

--- 100

— 1000

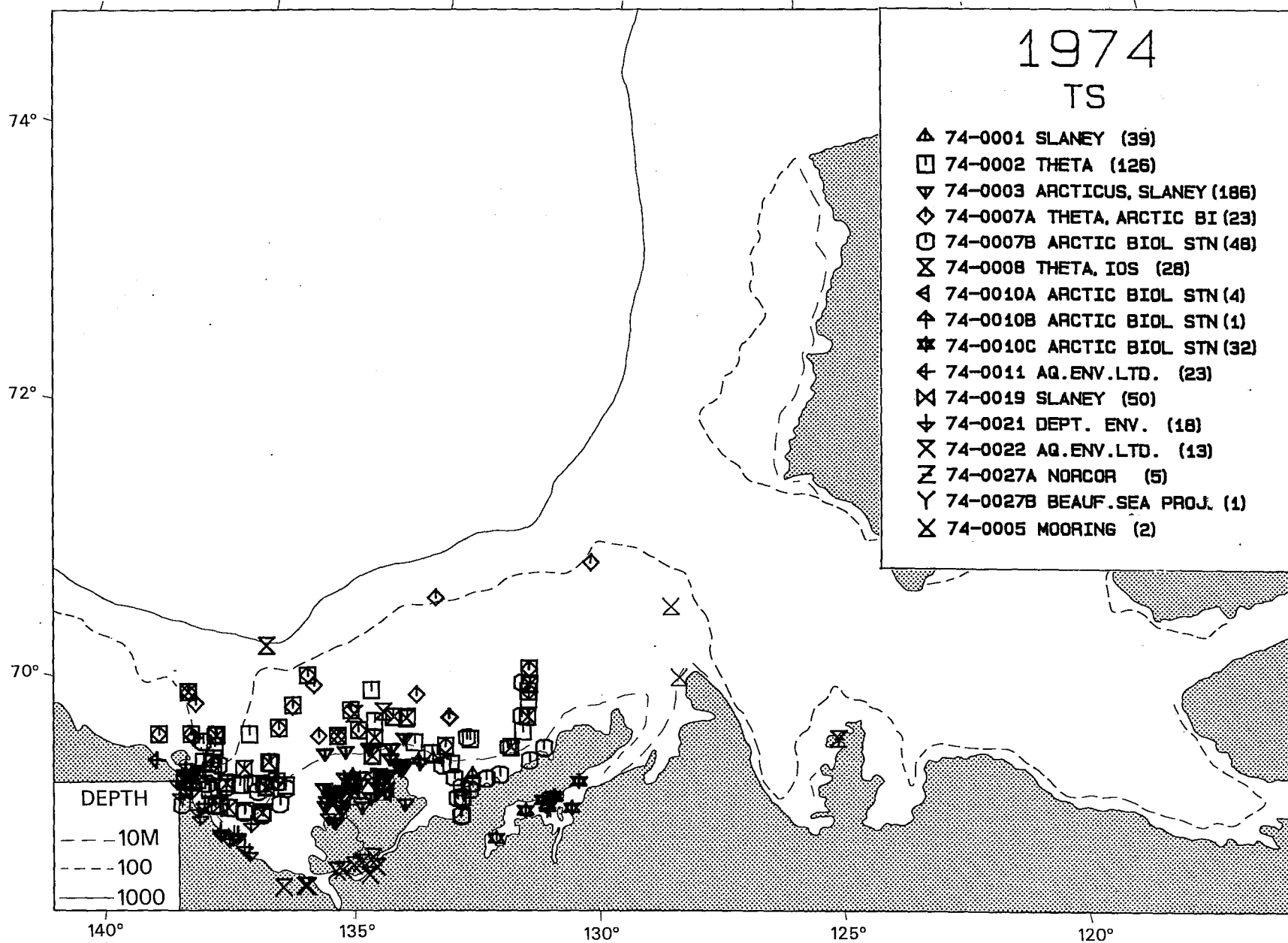
140°

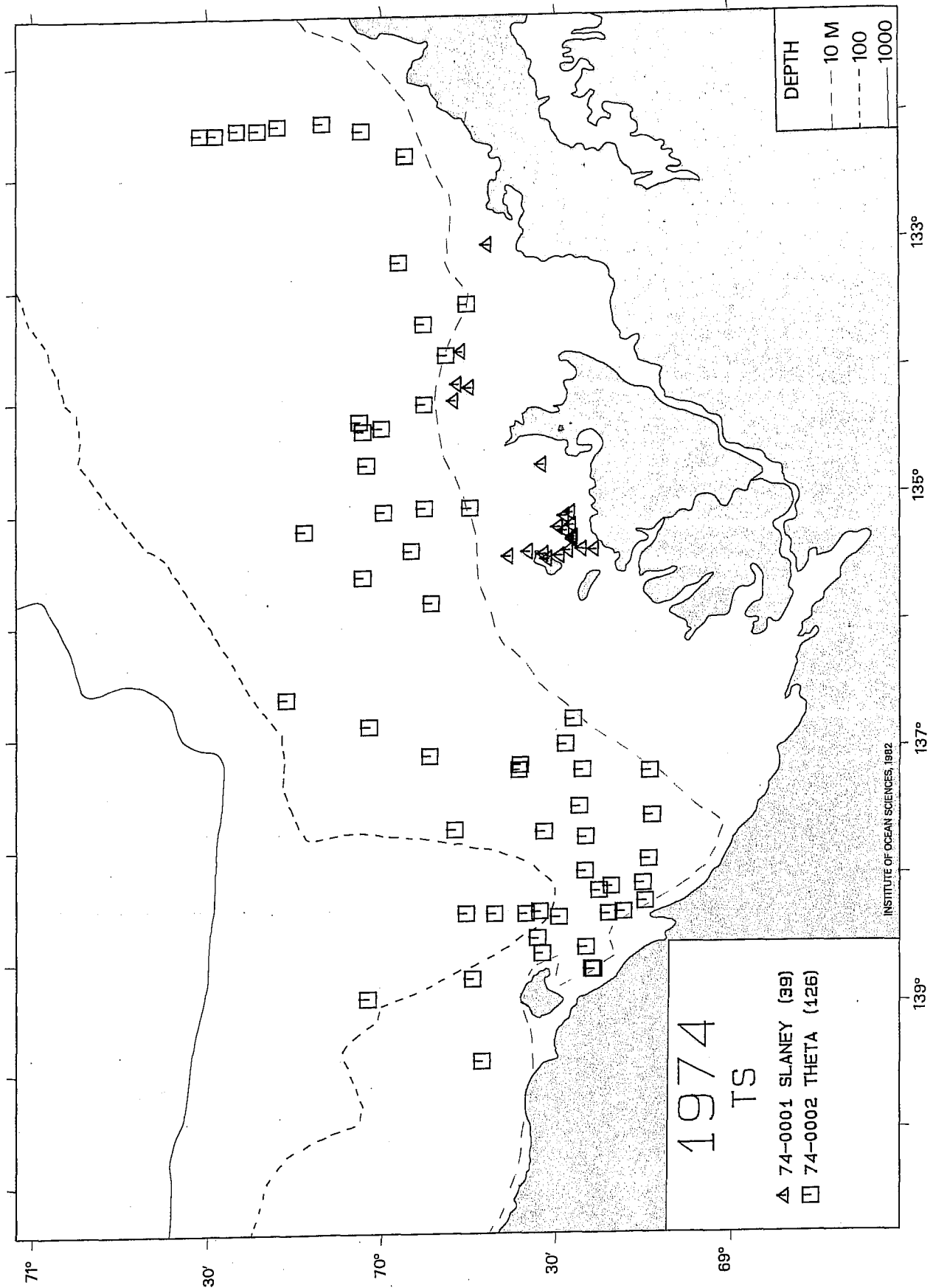
135°

130°

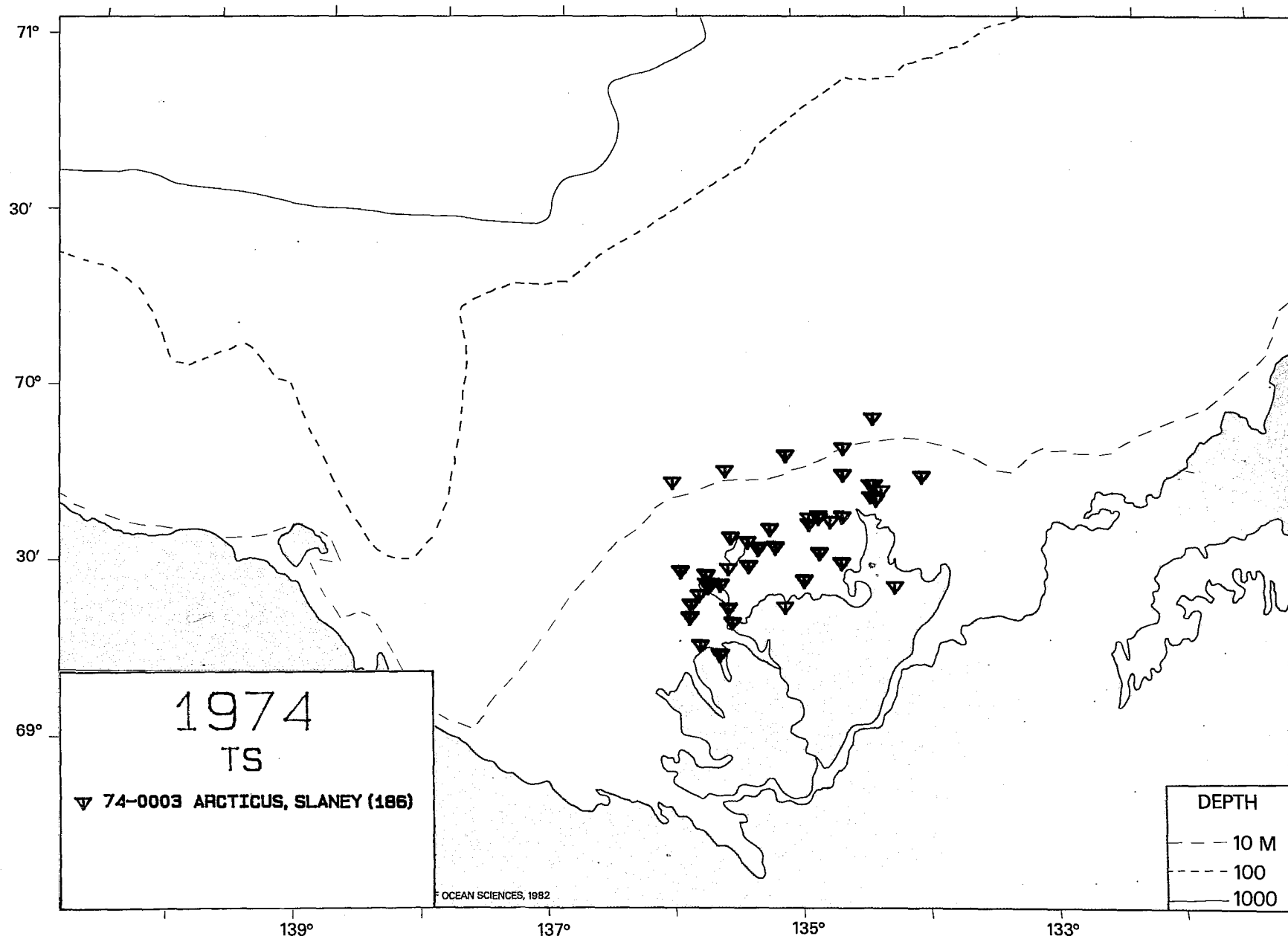
125°

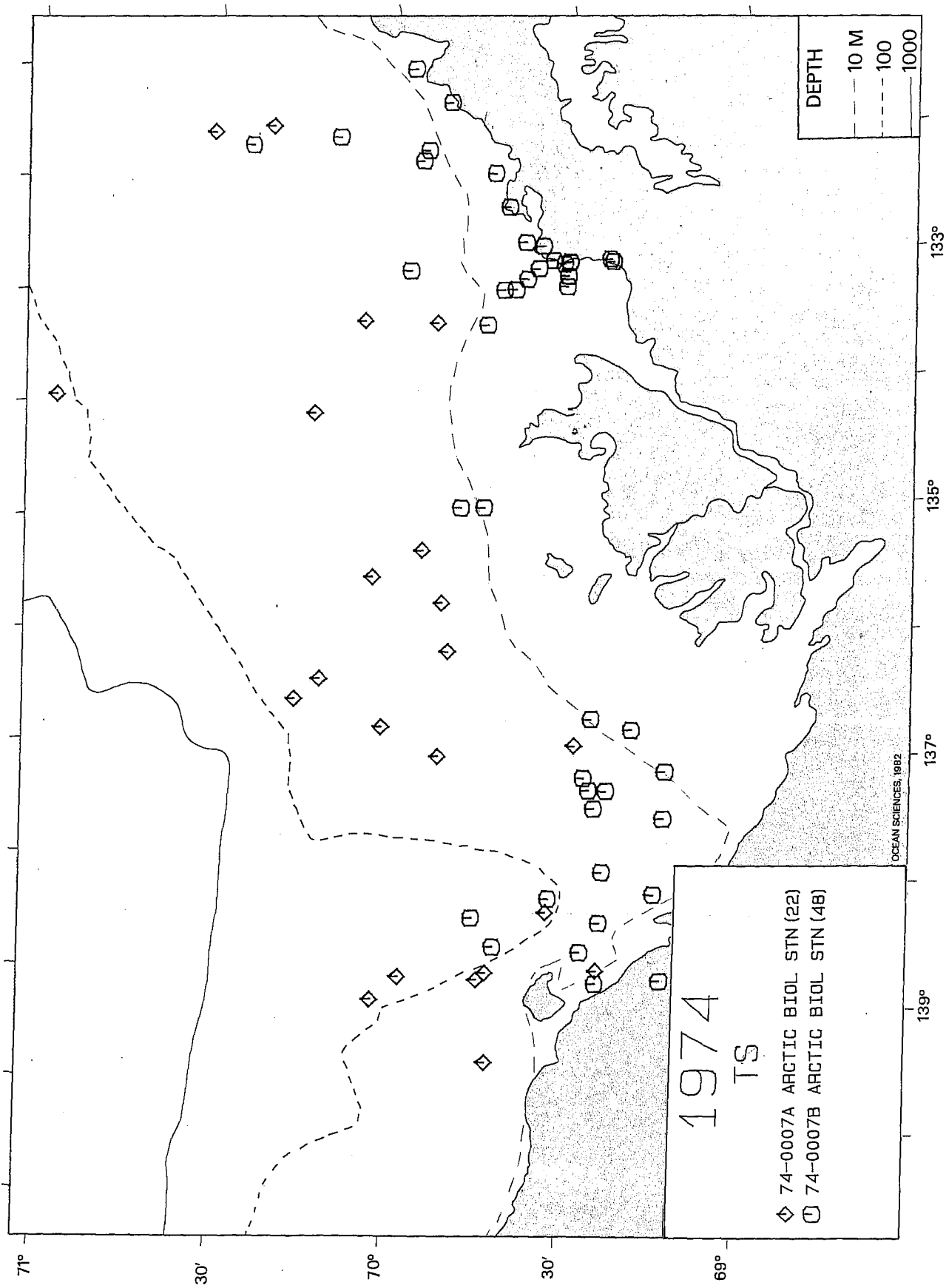
120°

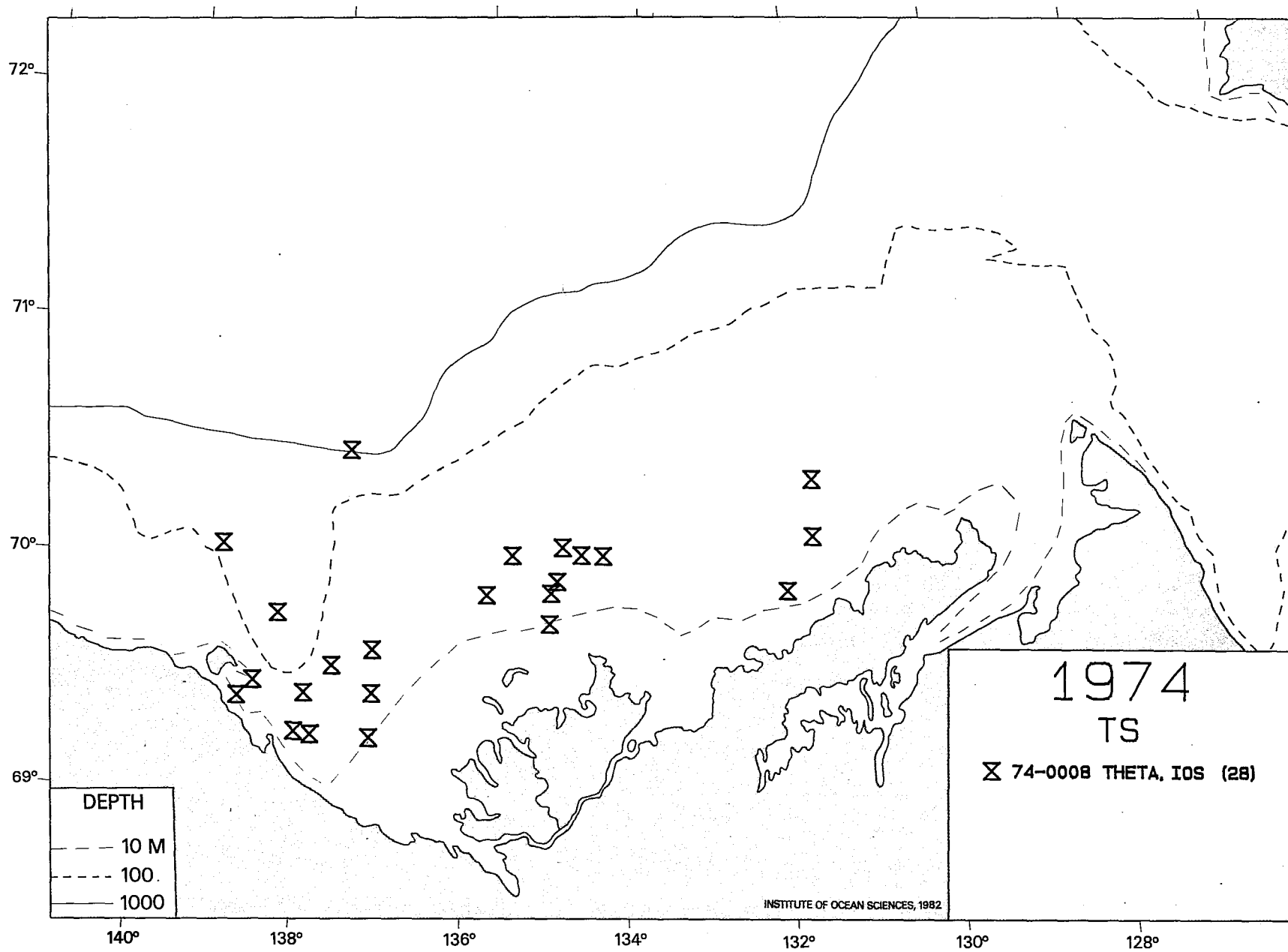


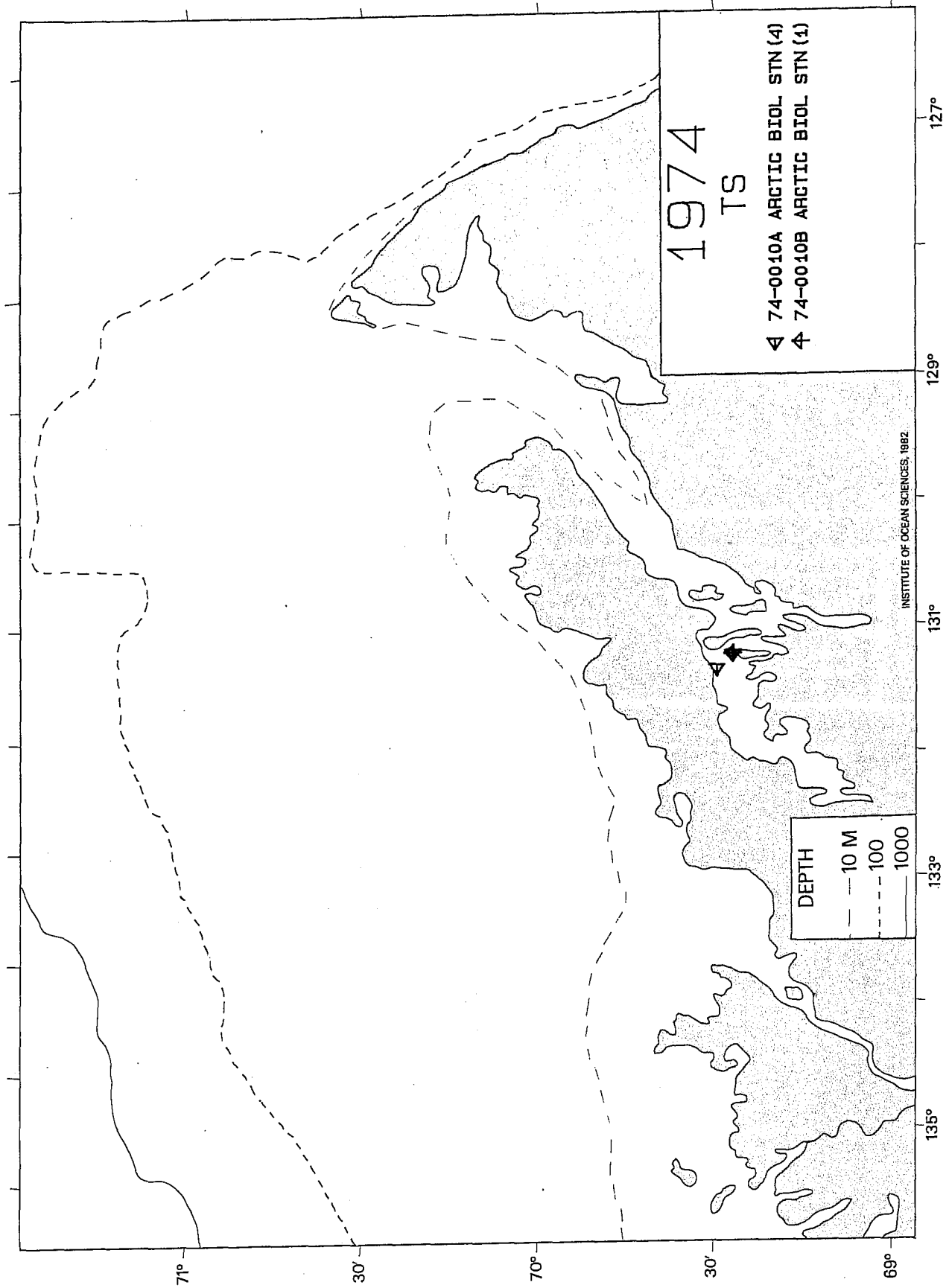


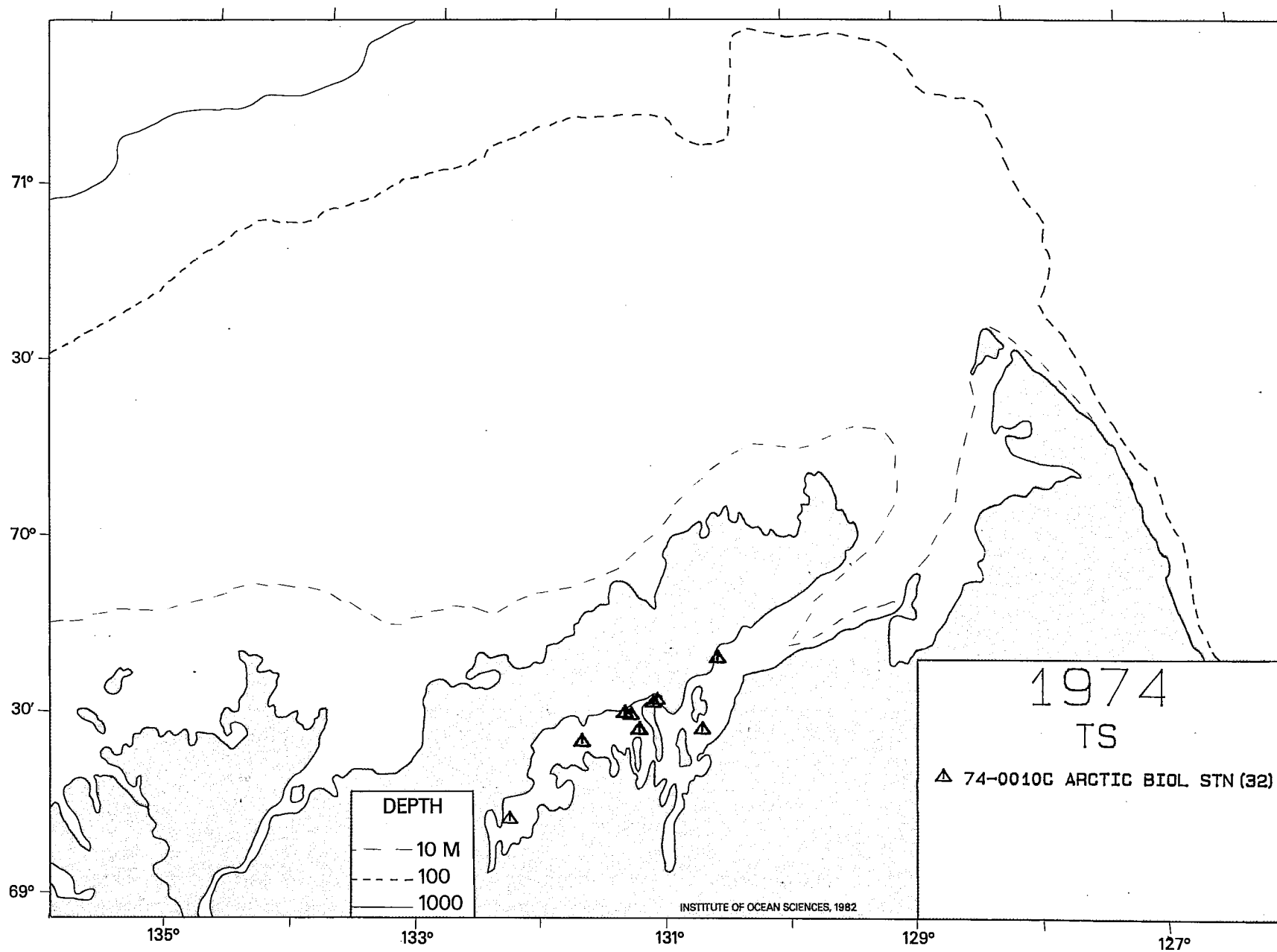


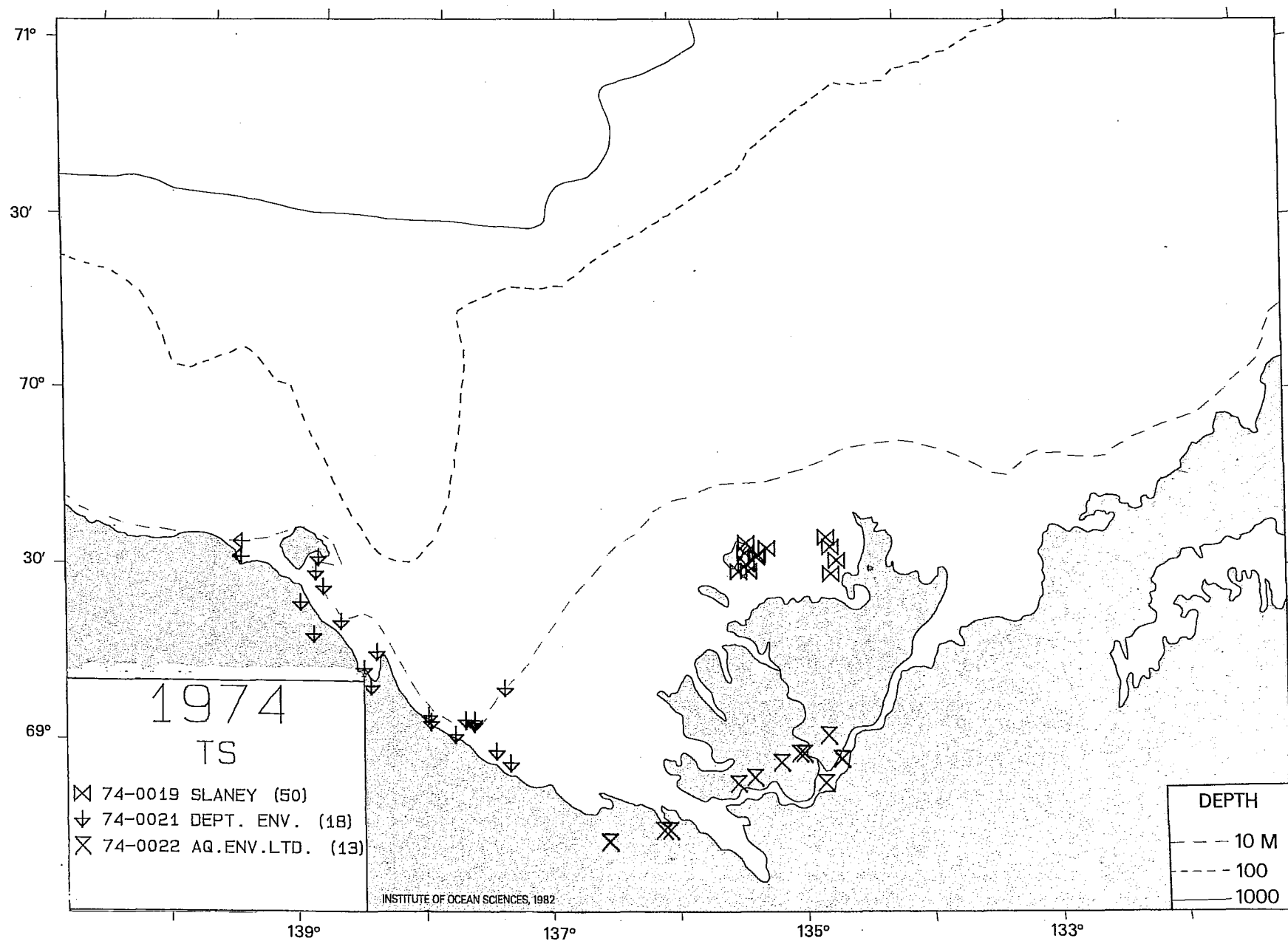


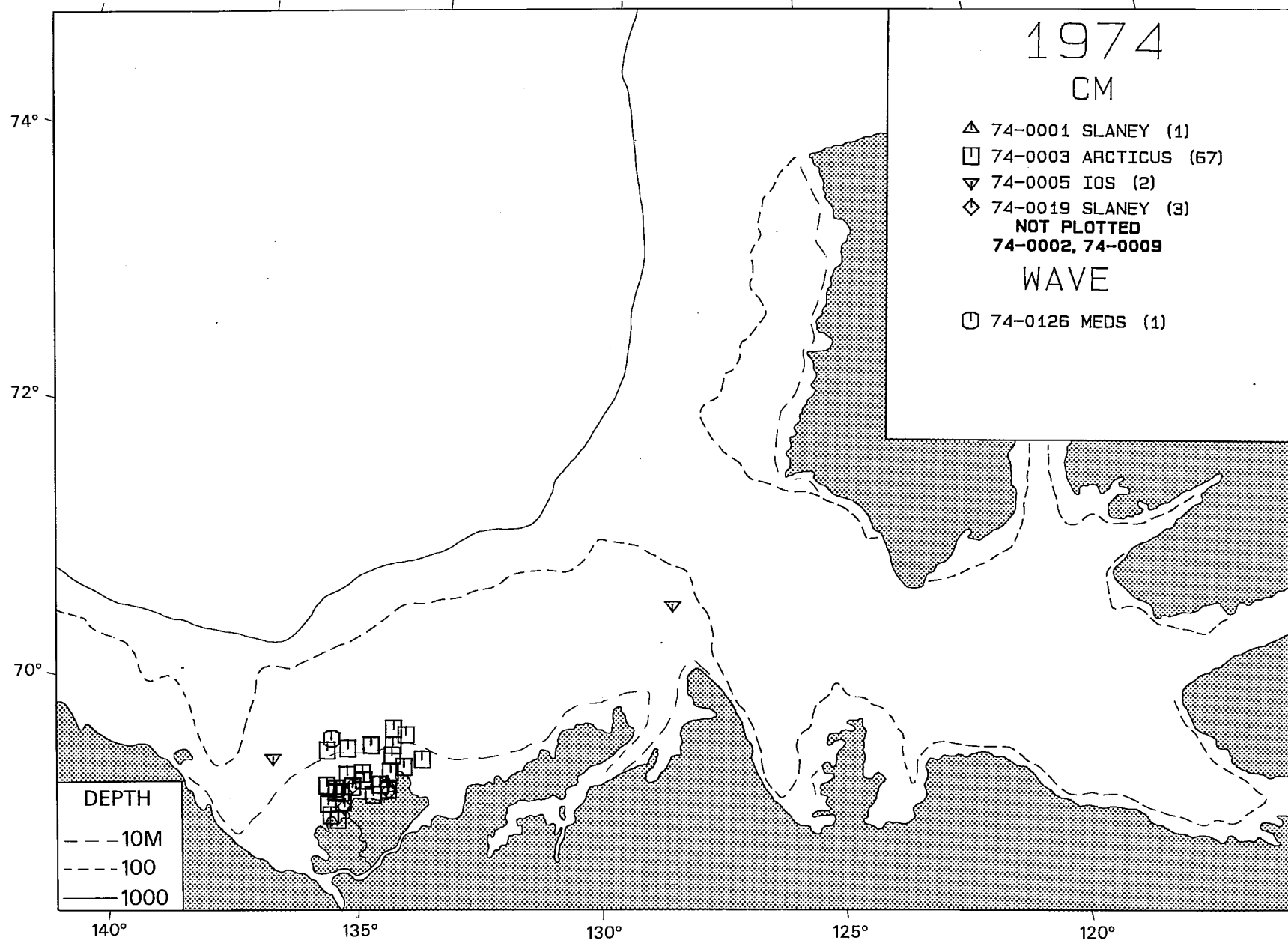


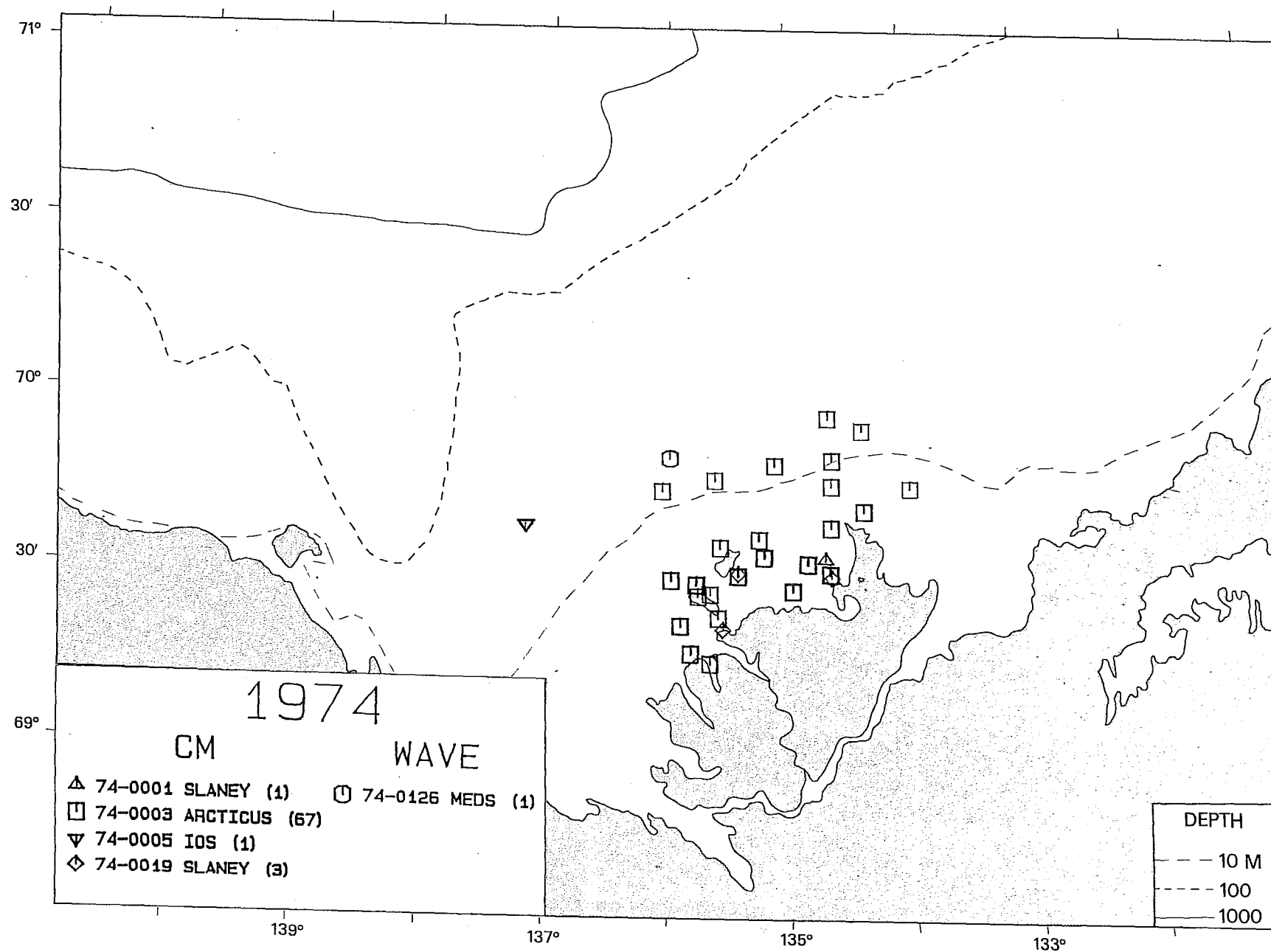




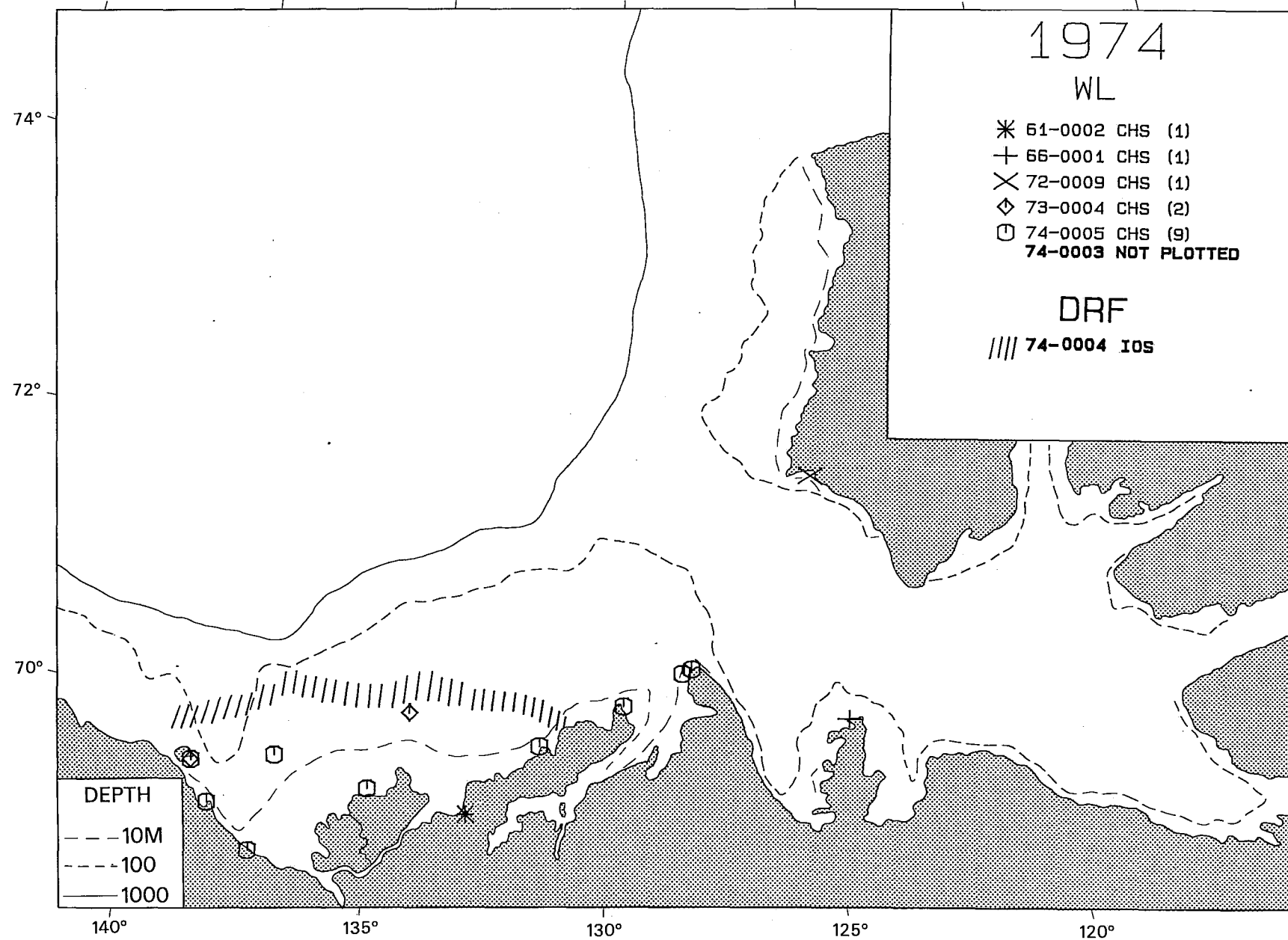












# 1975 TS

- △ 74-0022 AQ.ENV.LTD. (18)
- 74-0027A NORCOR (7)
- ▽ 75-0001 IOS (138)
- ◇ 75-0002 PANDORA II, IOS (92)
- 75-0004 SLANEY (70)
- ⊗ 75-0006 PANDORA II, IOS (42)
- ◁ 75-0009 THETA, ARC.BIOL. (23)
- ⊕ 75-0010A ARCTIC BIOL STN (2)
- ⊗ 75-0010B ARCTIC BIOL STN (6)
- ⊕ 75-0011 SLANEY (157)
- ⊗ 75-0012A ARCTIC BIOL STN (31)
- ⊕ 75-0012B ARCTIC BIOL STN (41)
- ⊗ 75-0025 DEPT. ENV. (27)
- ⊗ 75-0026 NORCOR (11)
- Y 75-0028 DEPT. ENV. (57)
- ⊗ 75-0042 AQ.ENV.LTD. (2)
- N 75-0007 MOORING (10)

NOT PLOTTED

75-0024, 75-0043, 75-0047, 75-0050

75-0005 AIDJEX

DEPTH

--- 10M  
--- 100  
--- 1000

140°

135°

130°

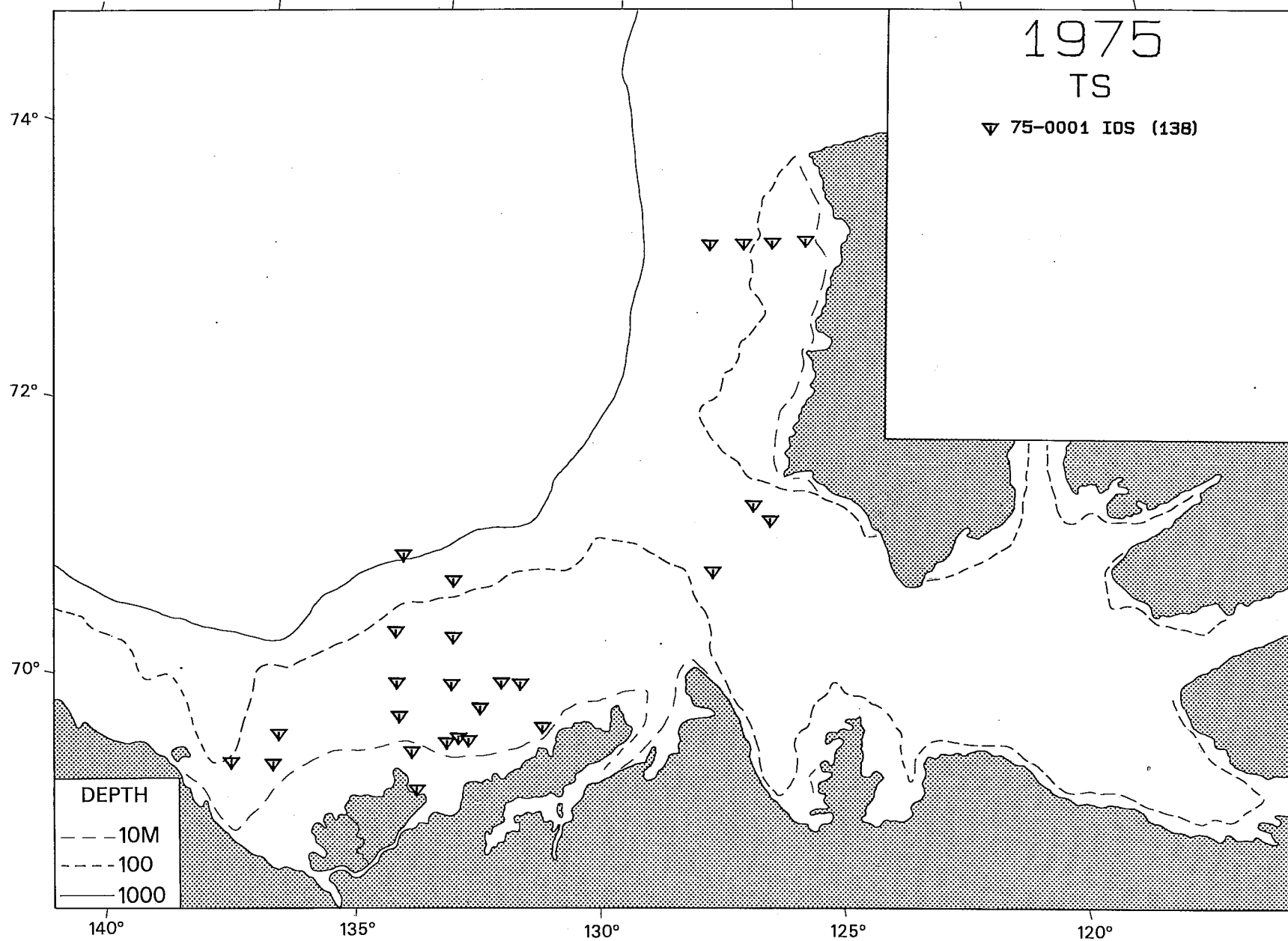
125°

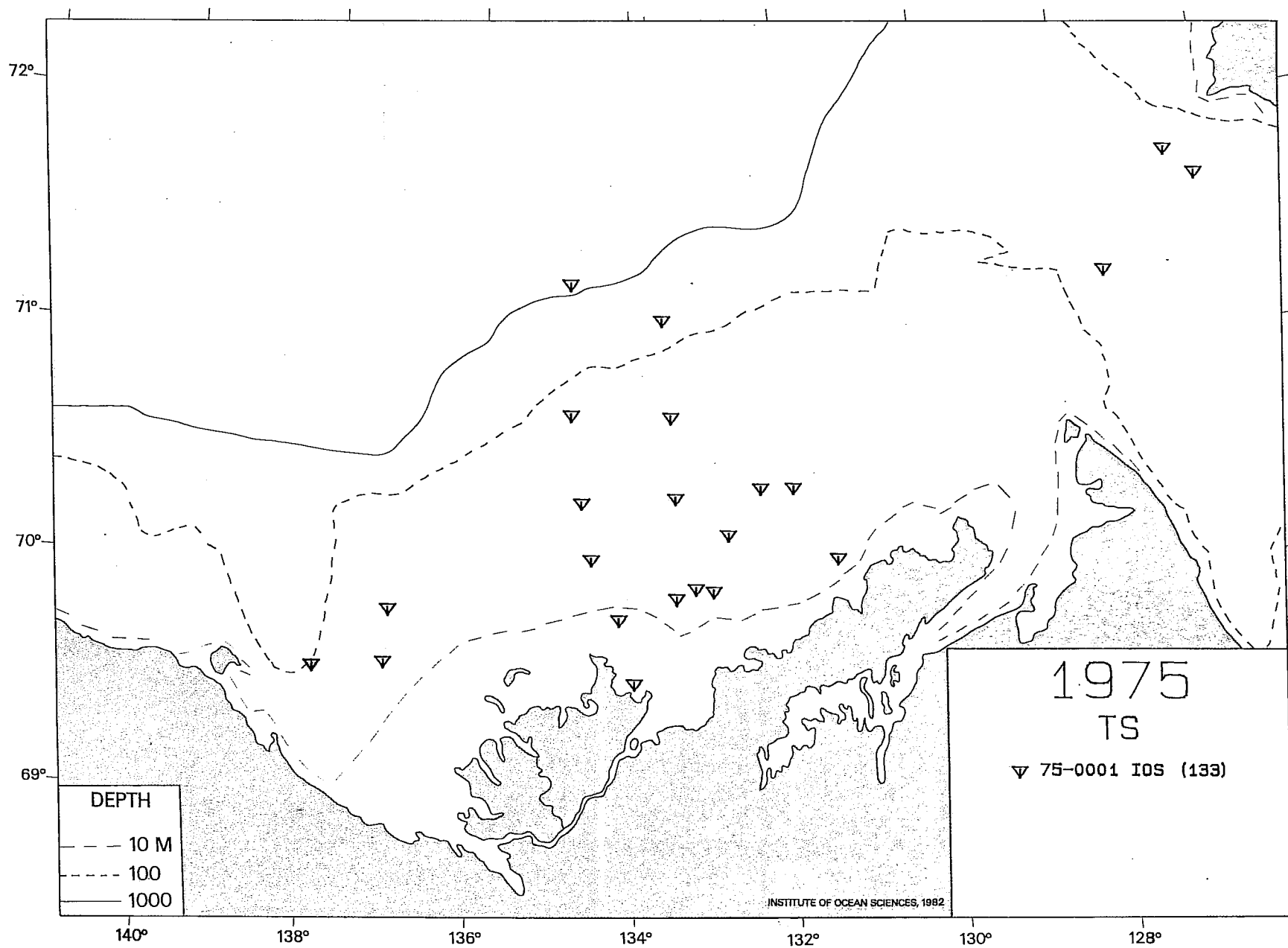
120°

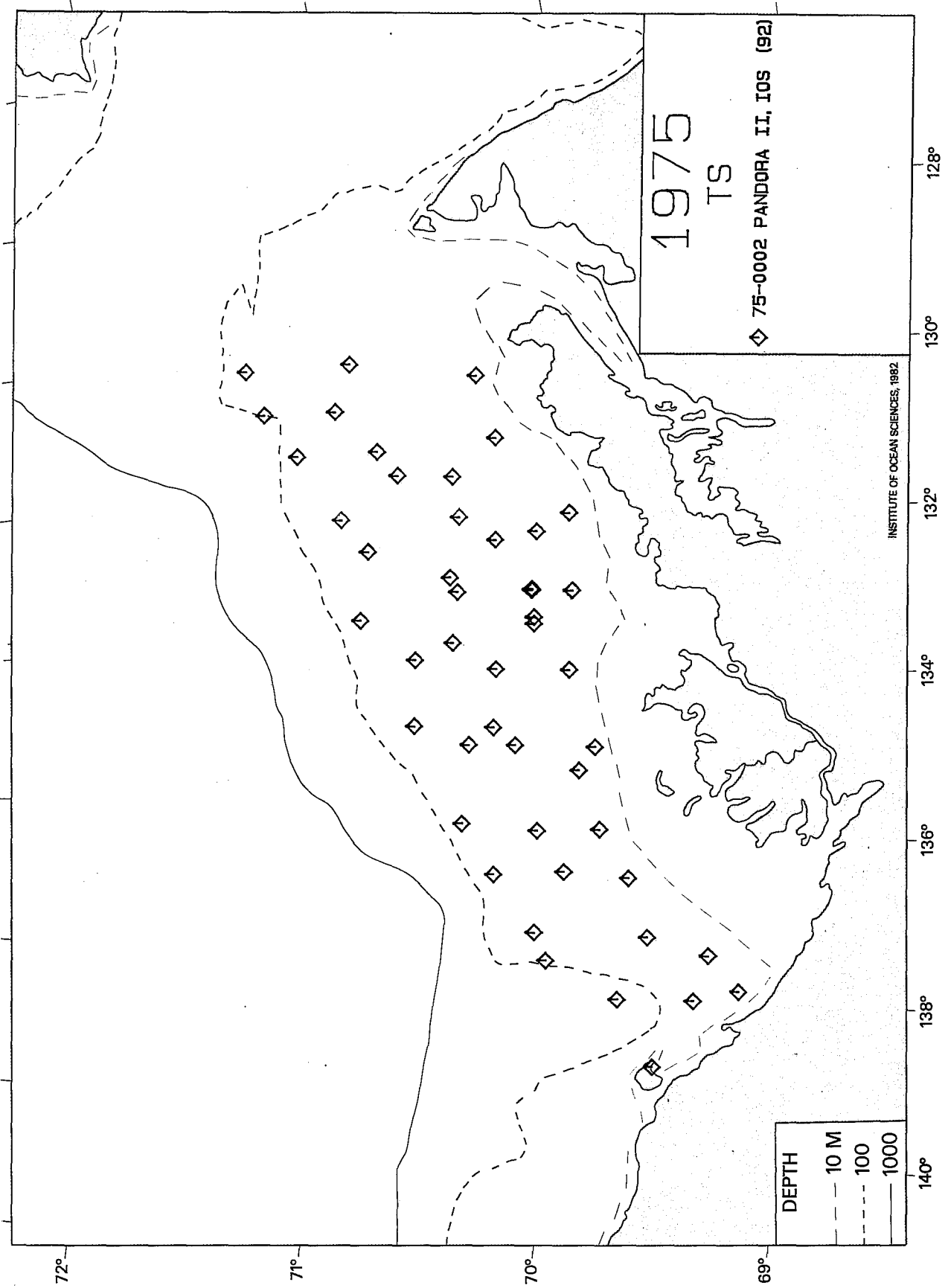
74-0027A

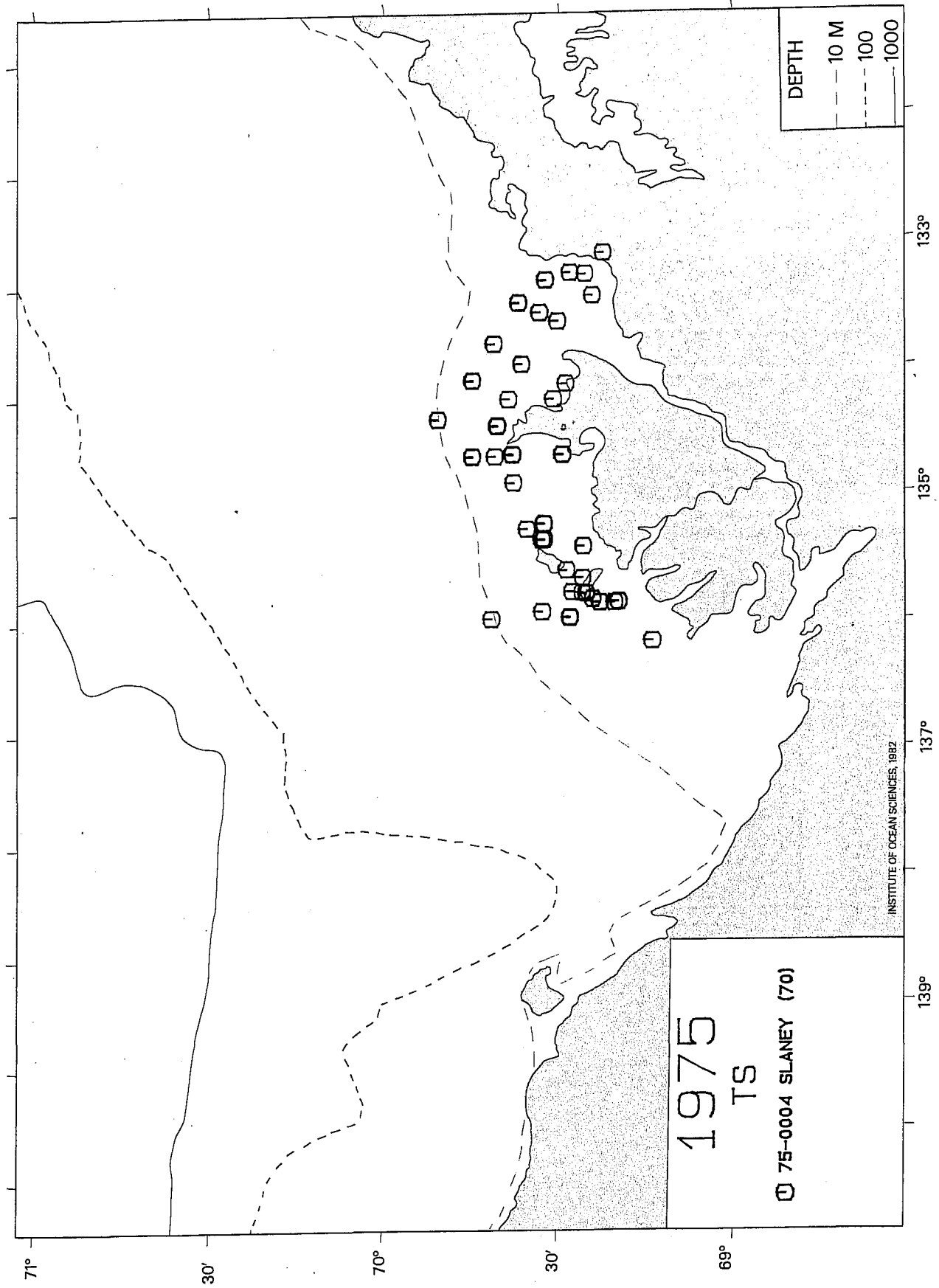
75-0026

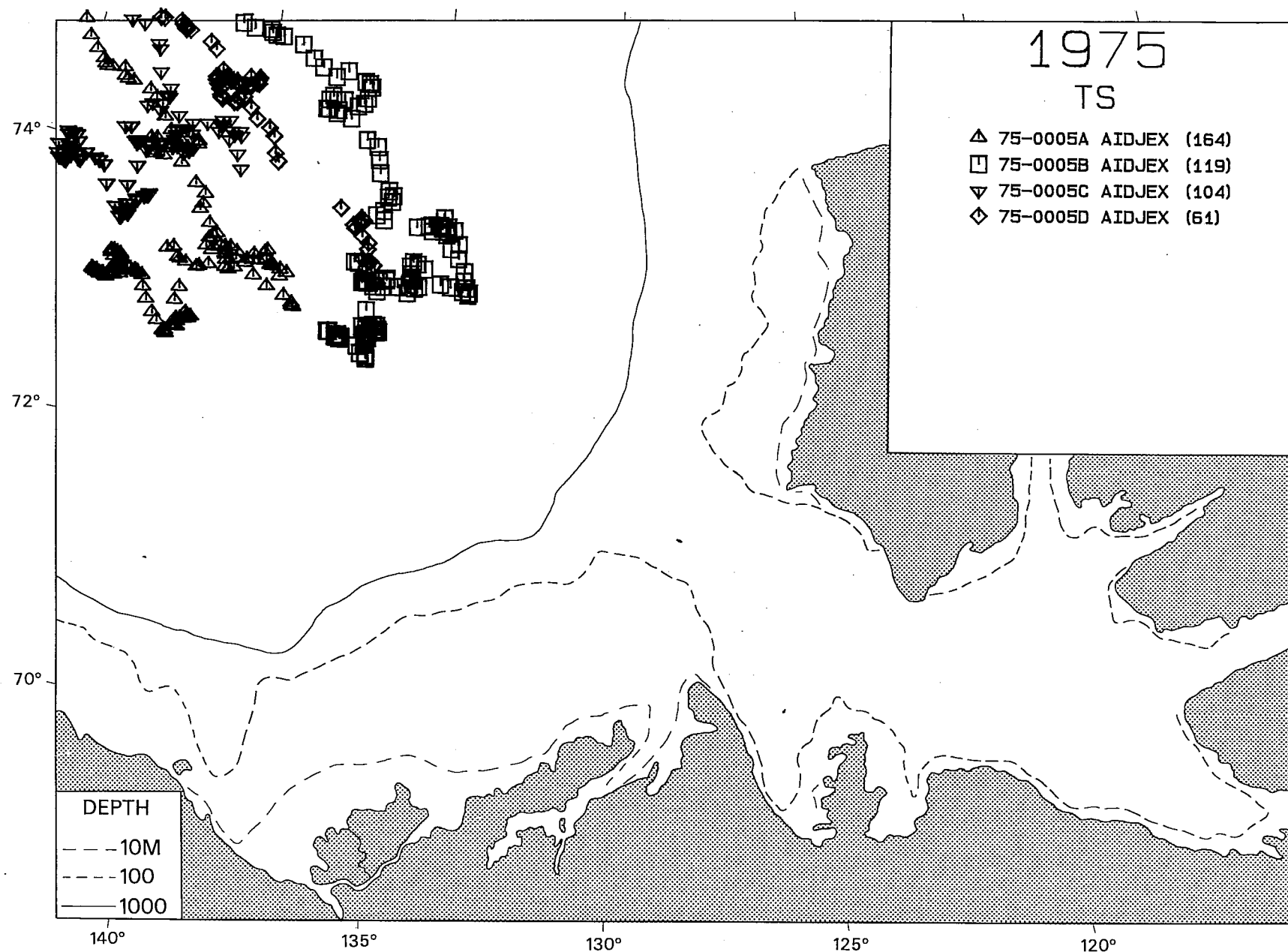
75-0028

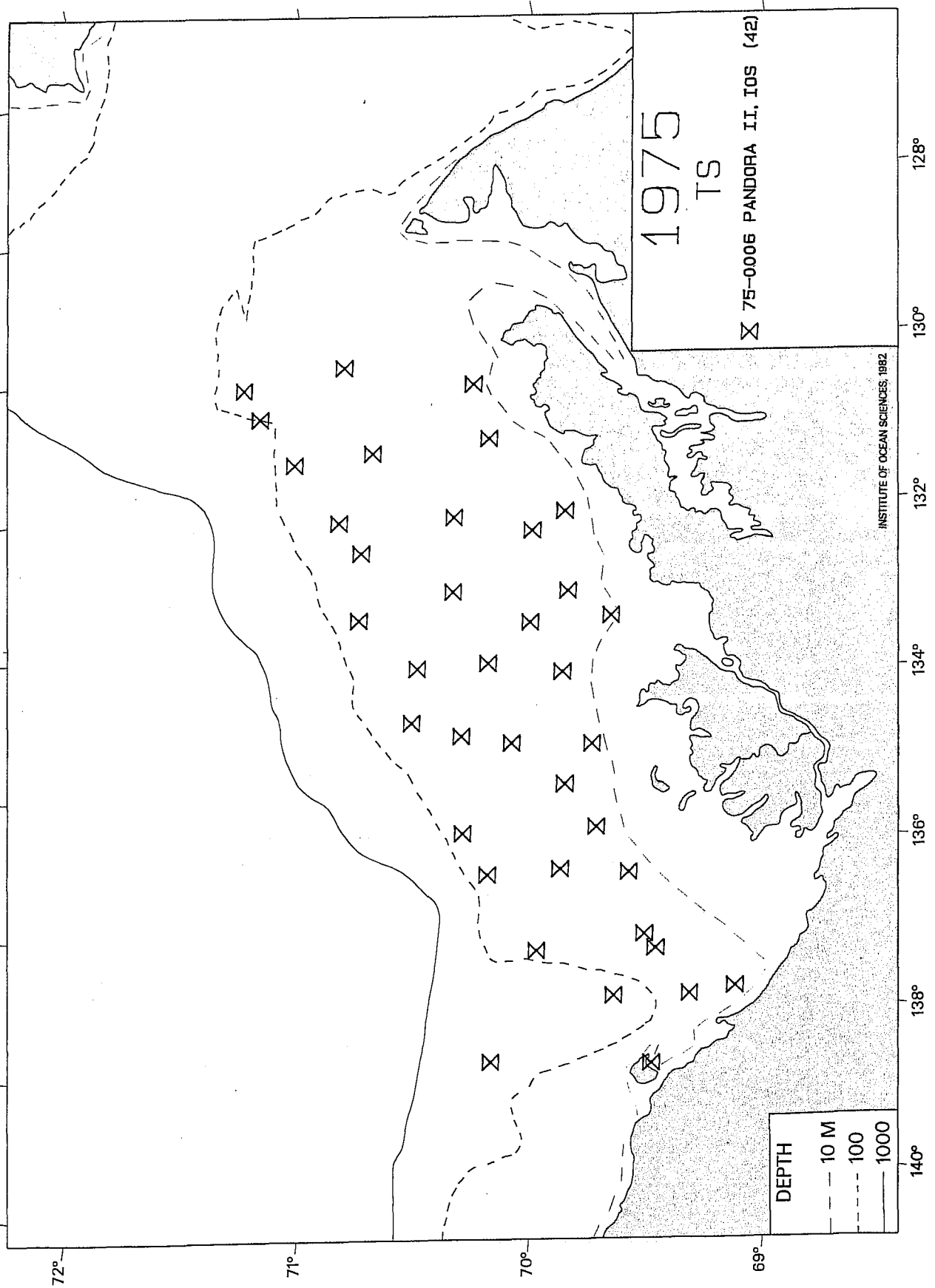




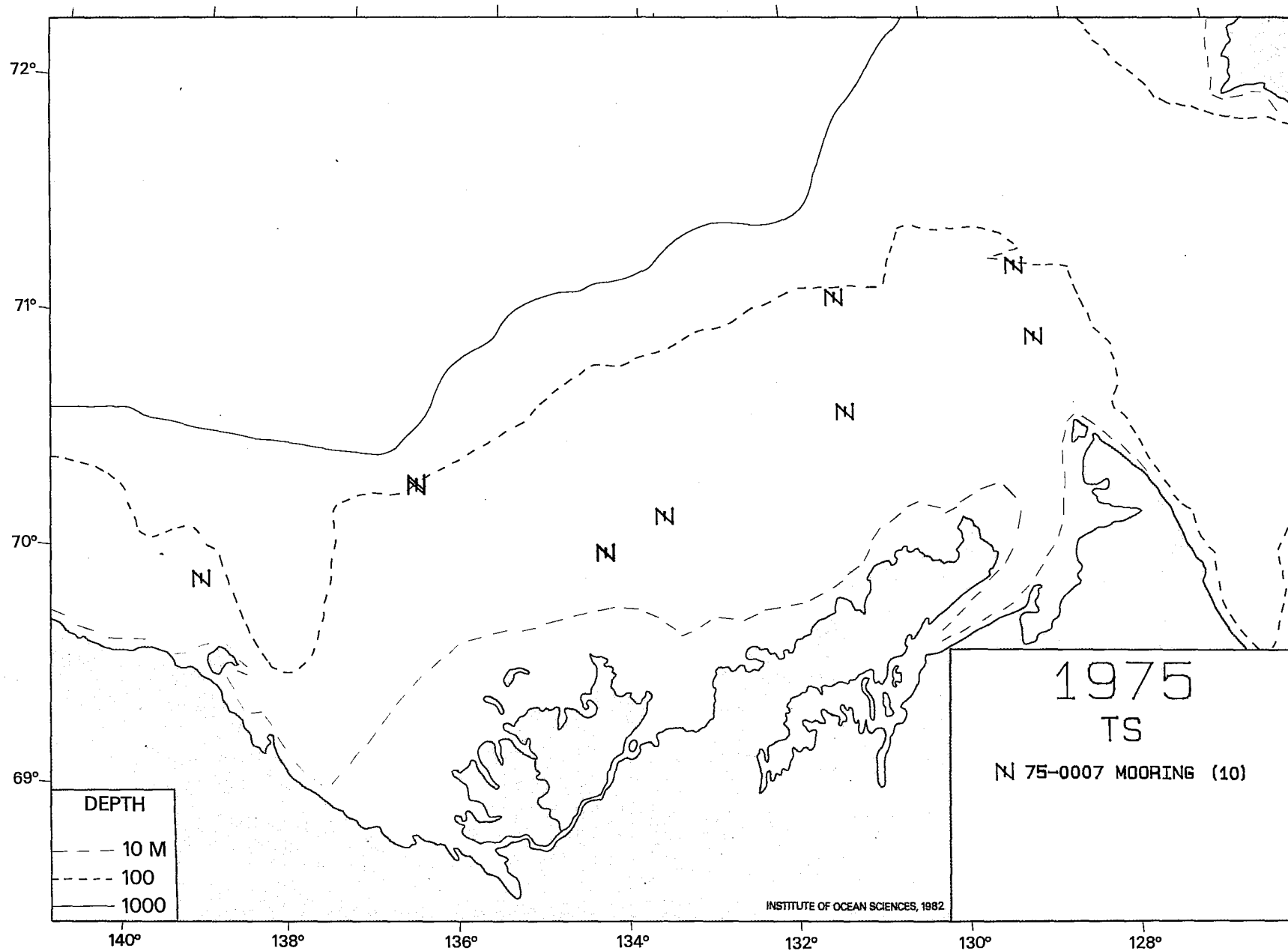


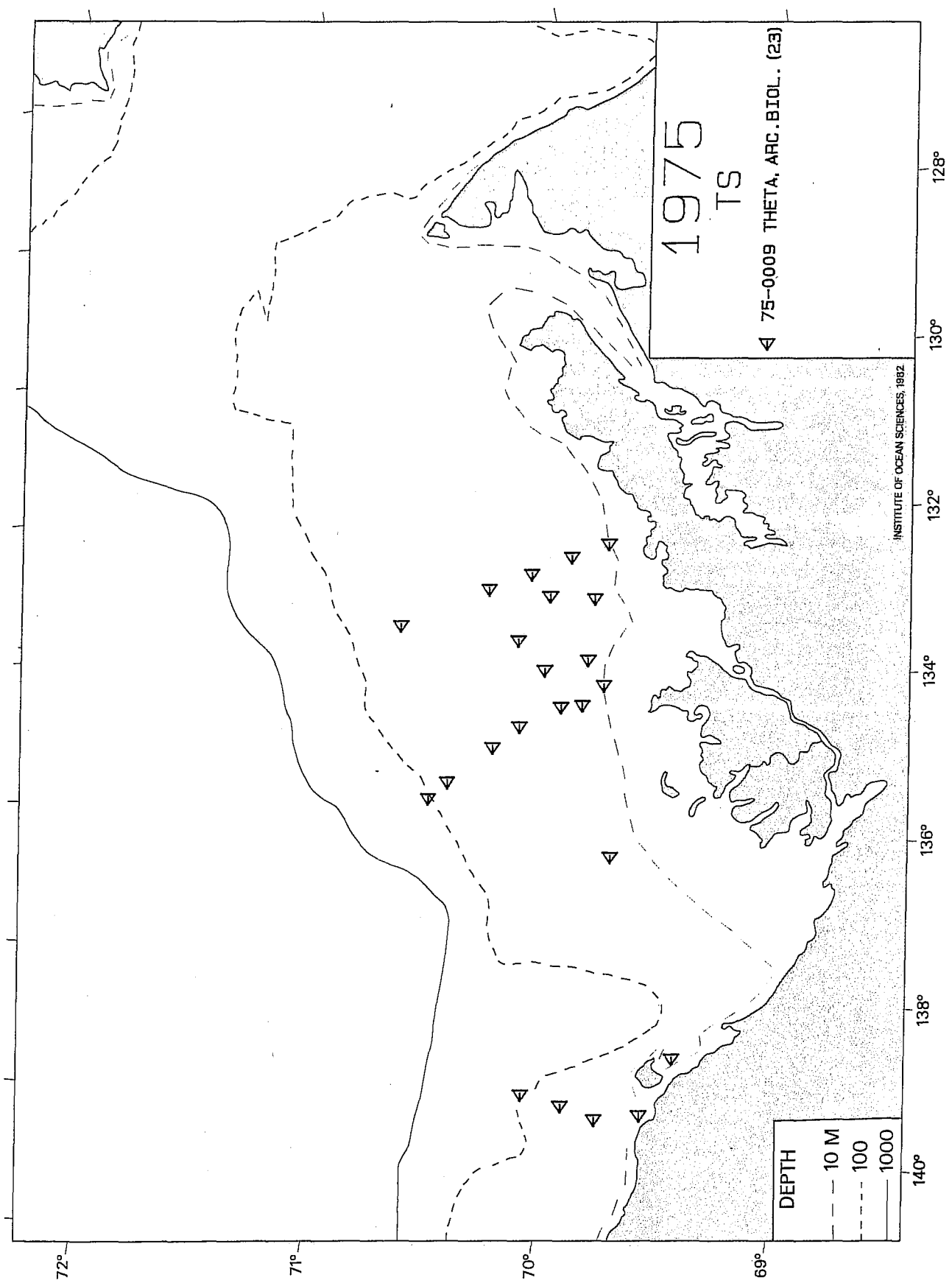


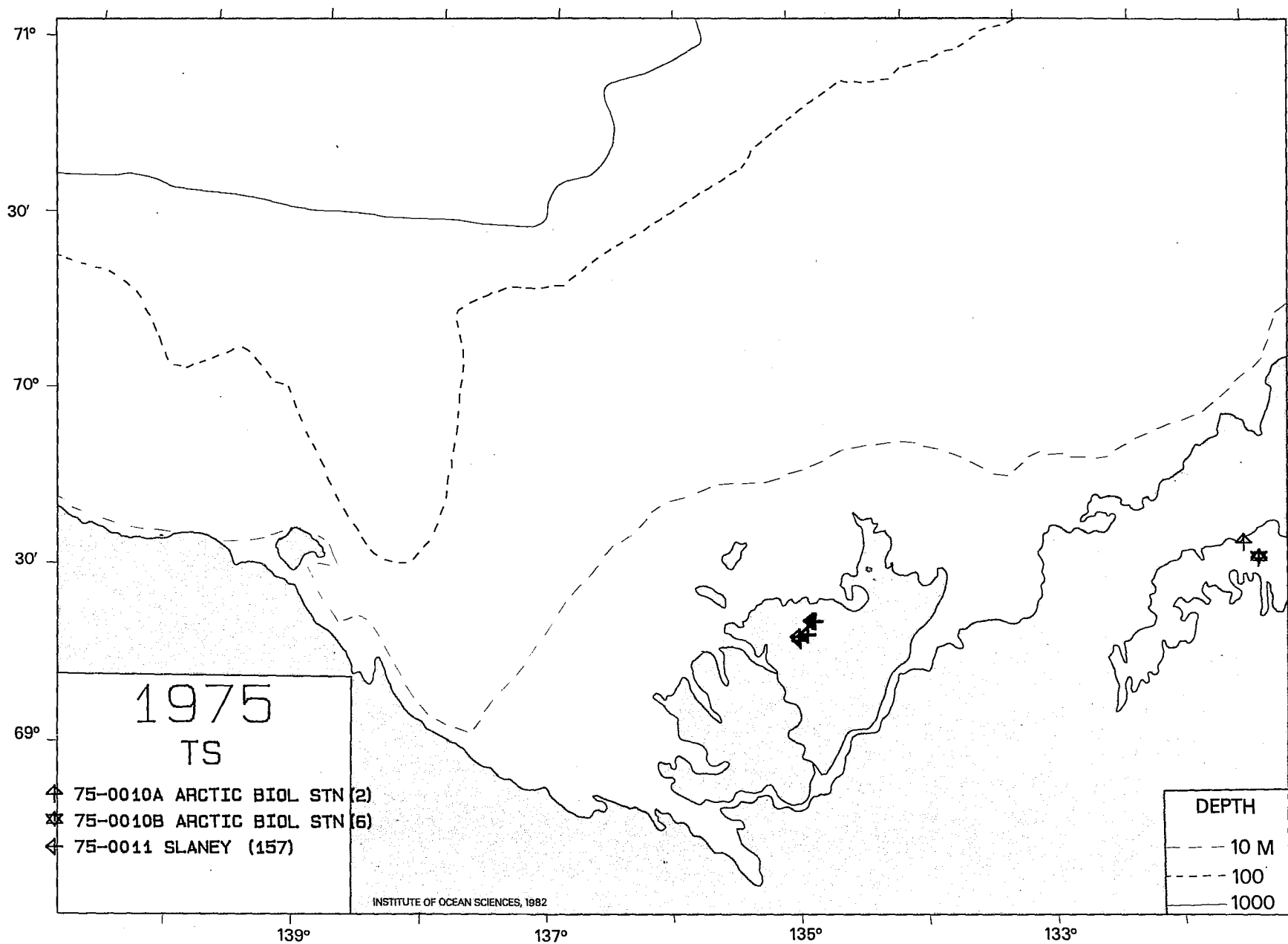


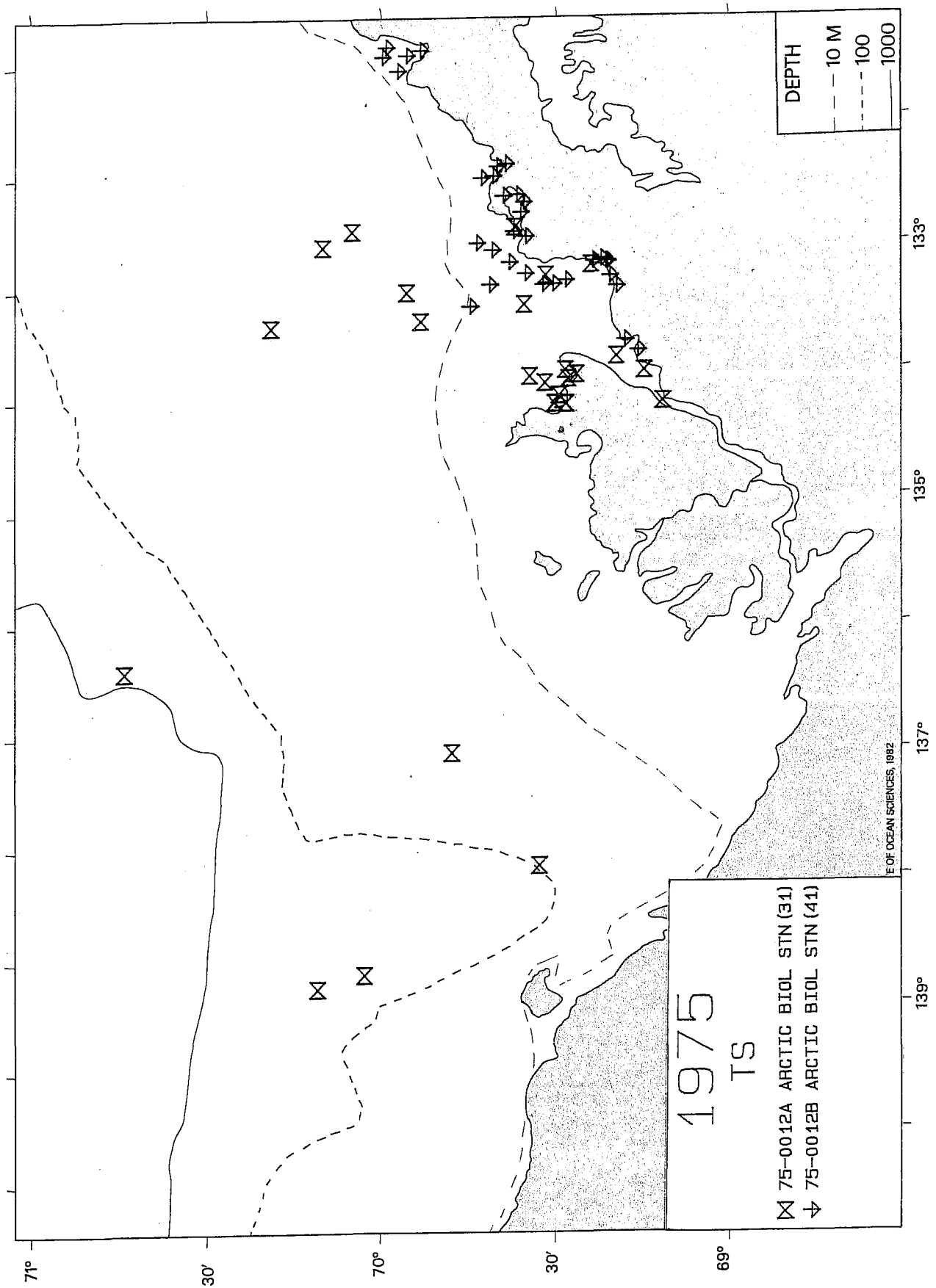


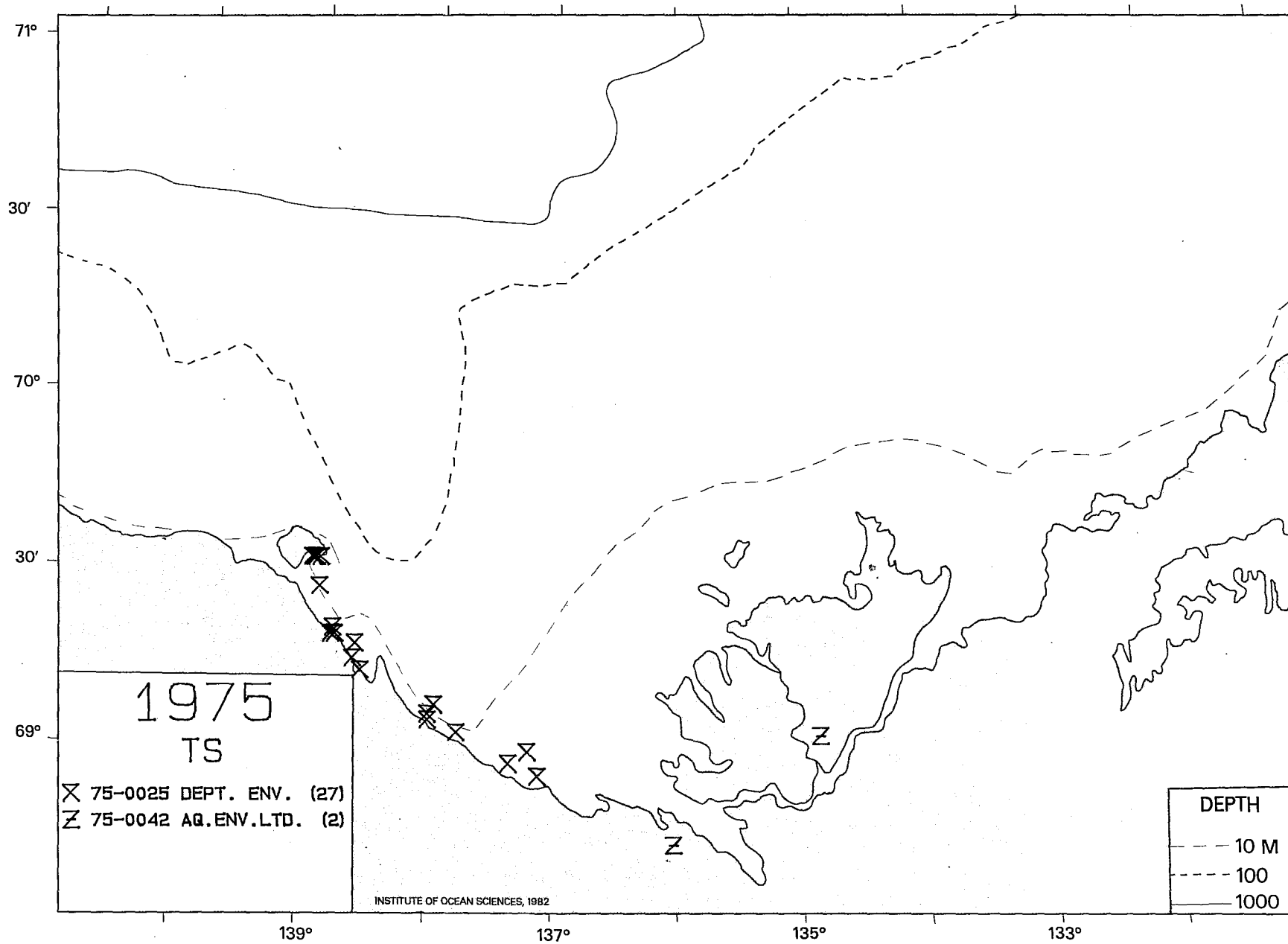


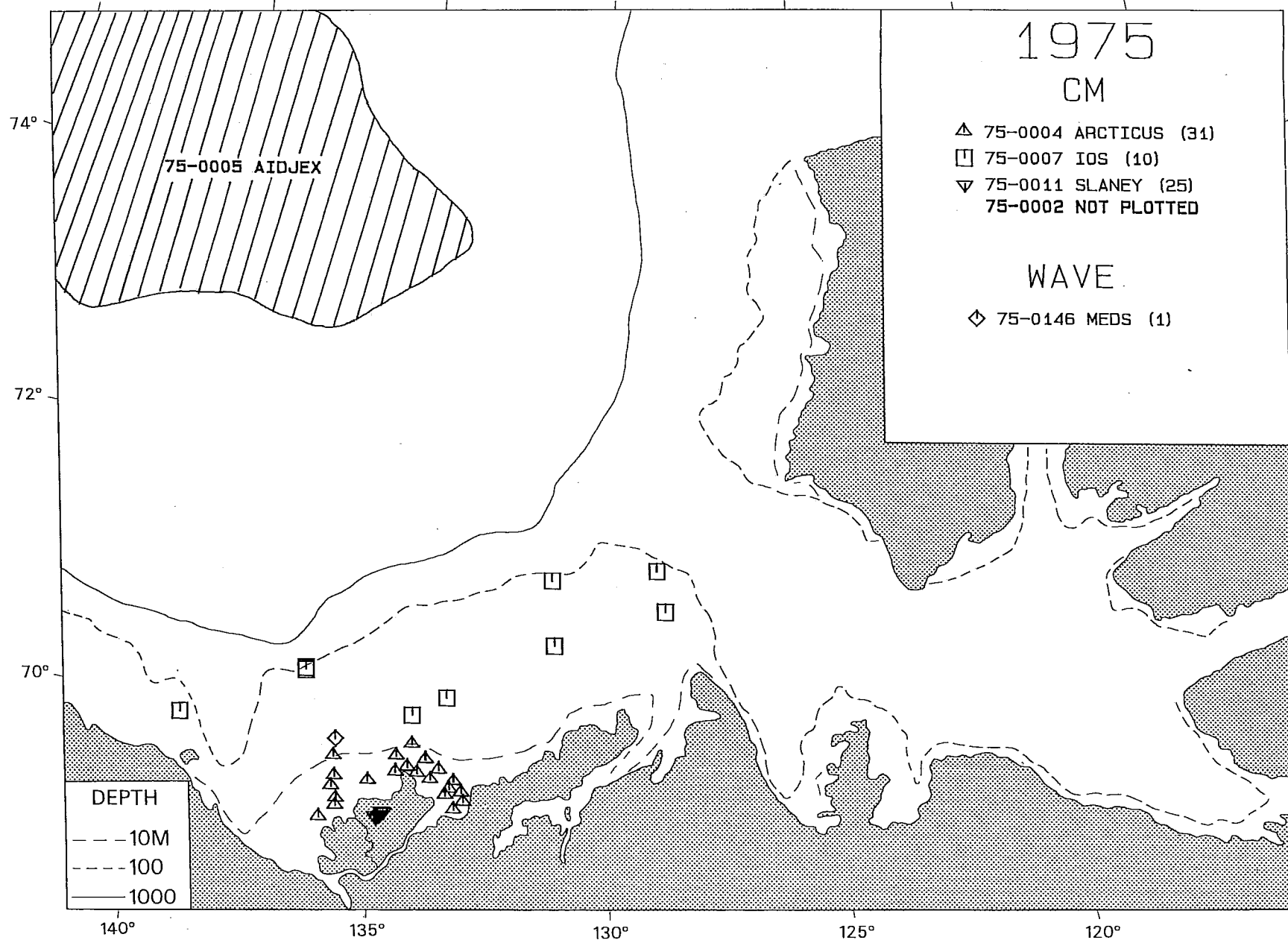


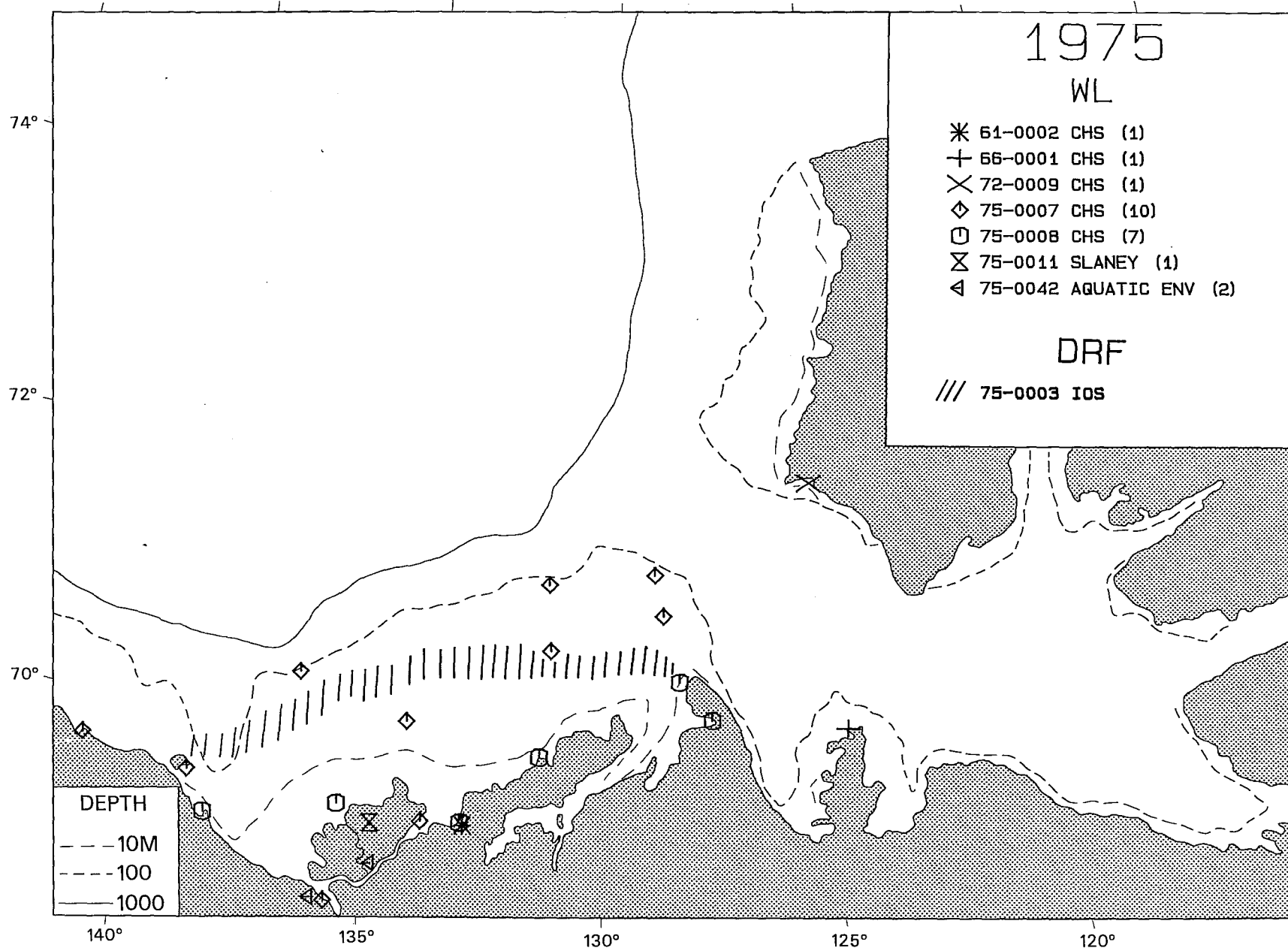


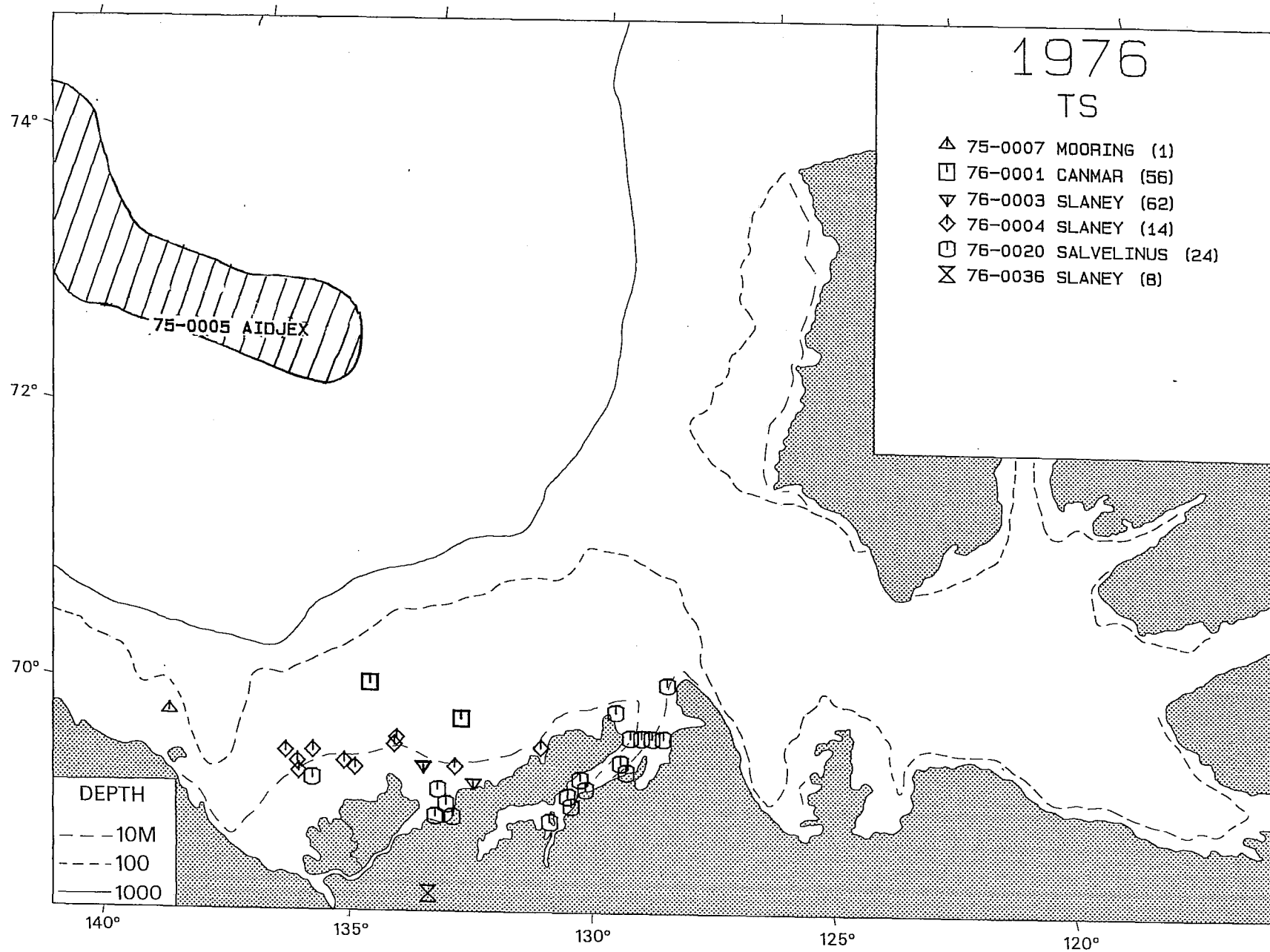




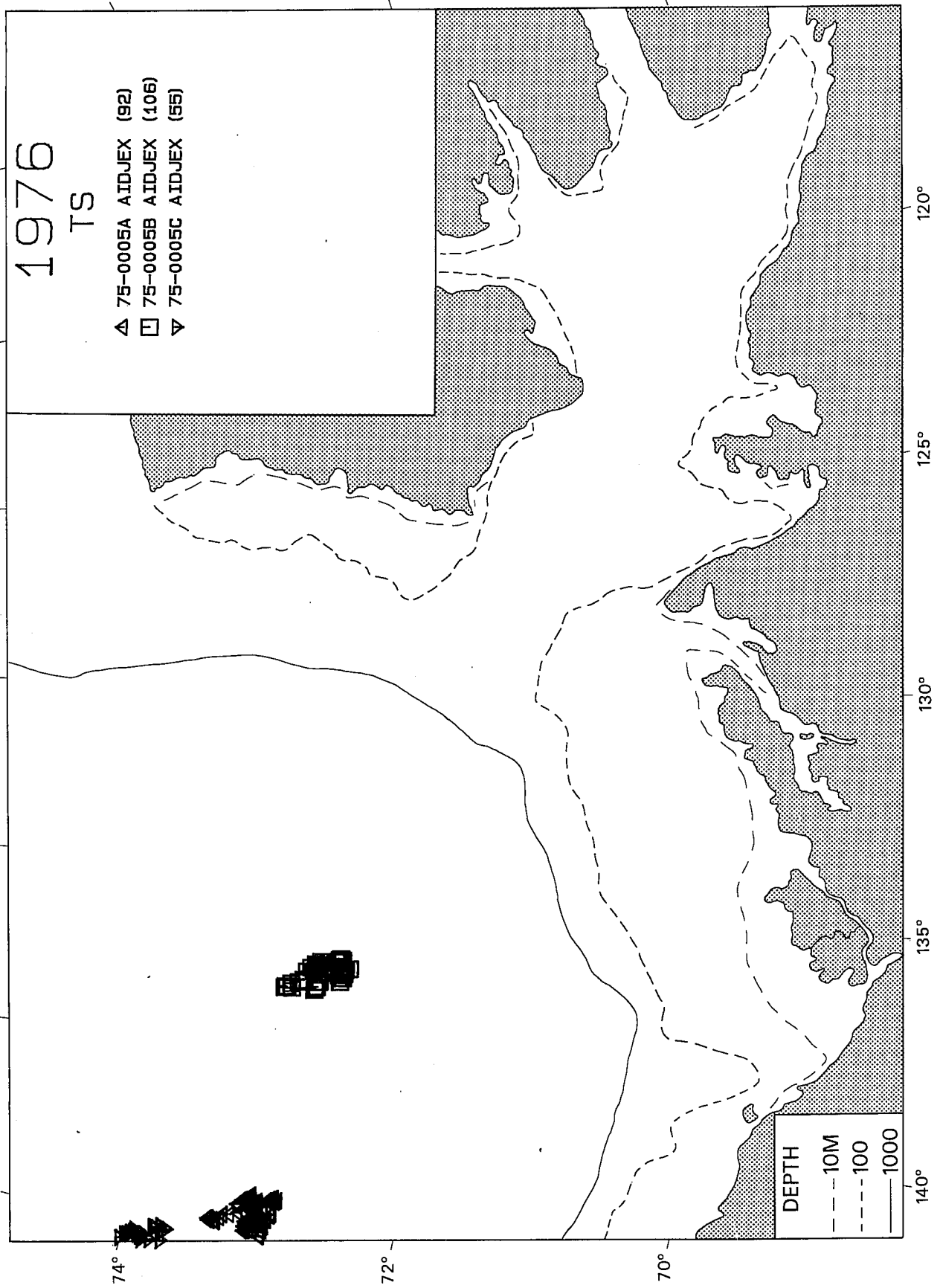


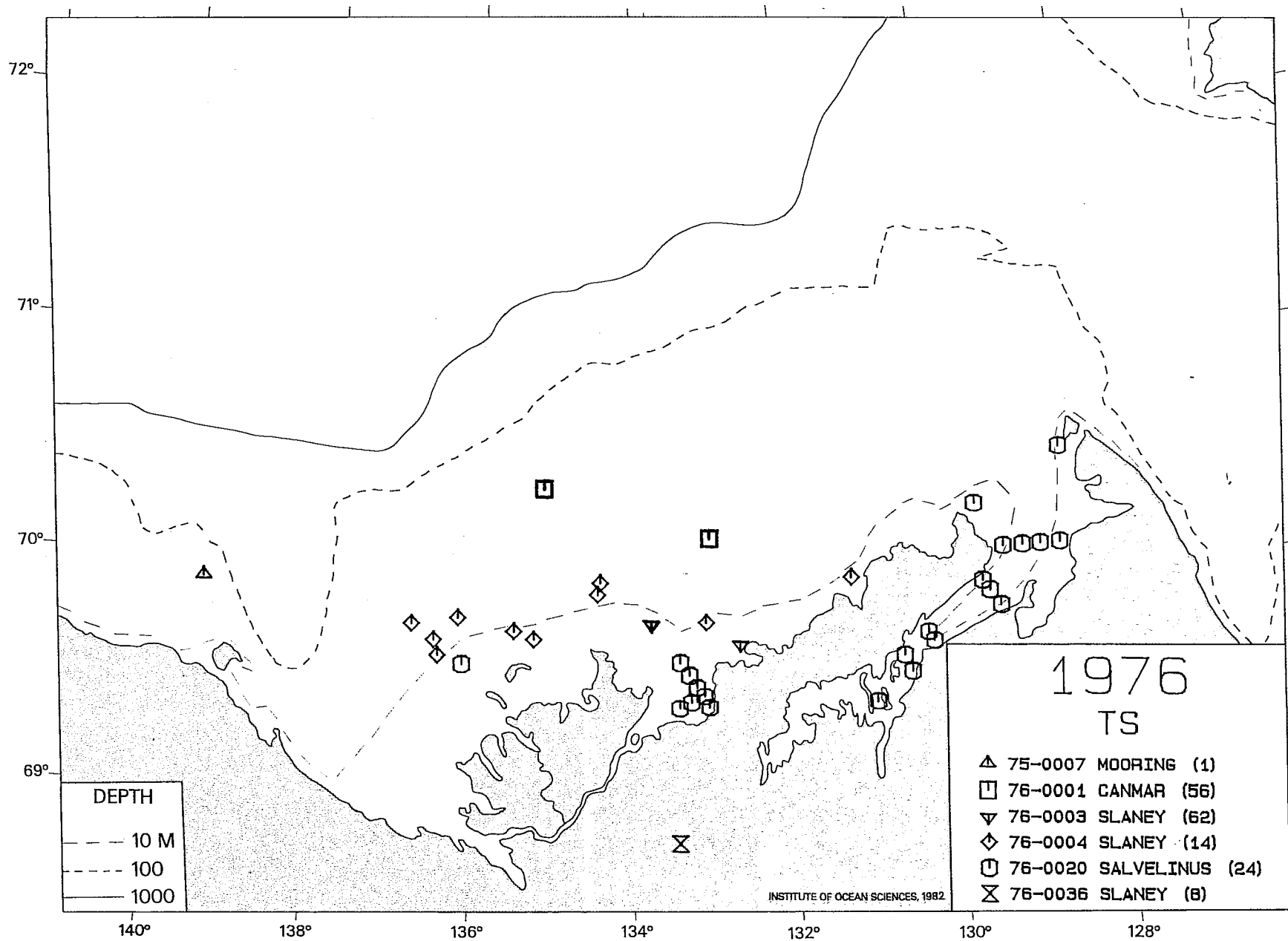


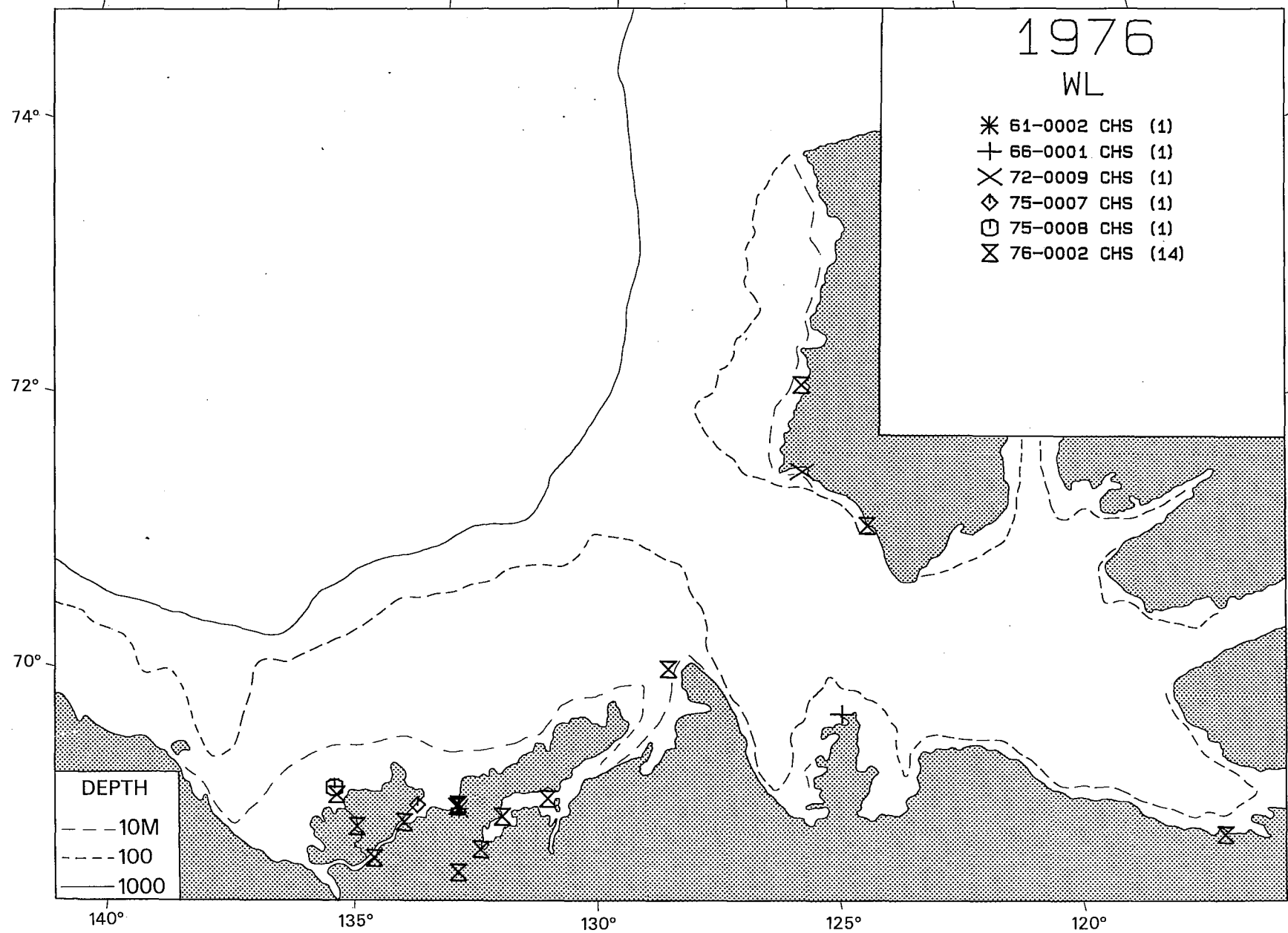


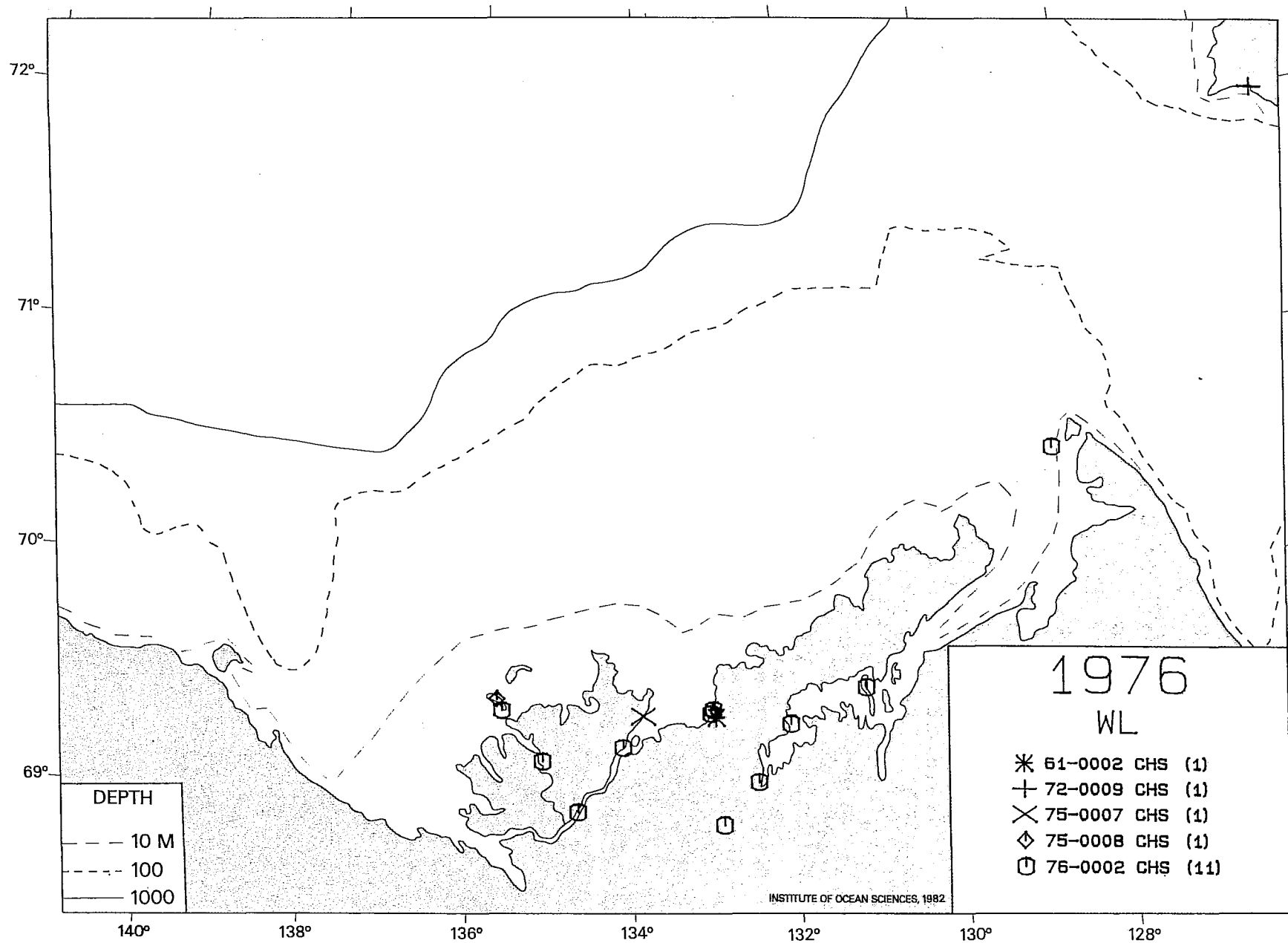


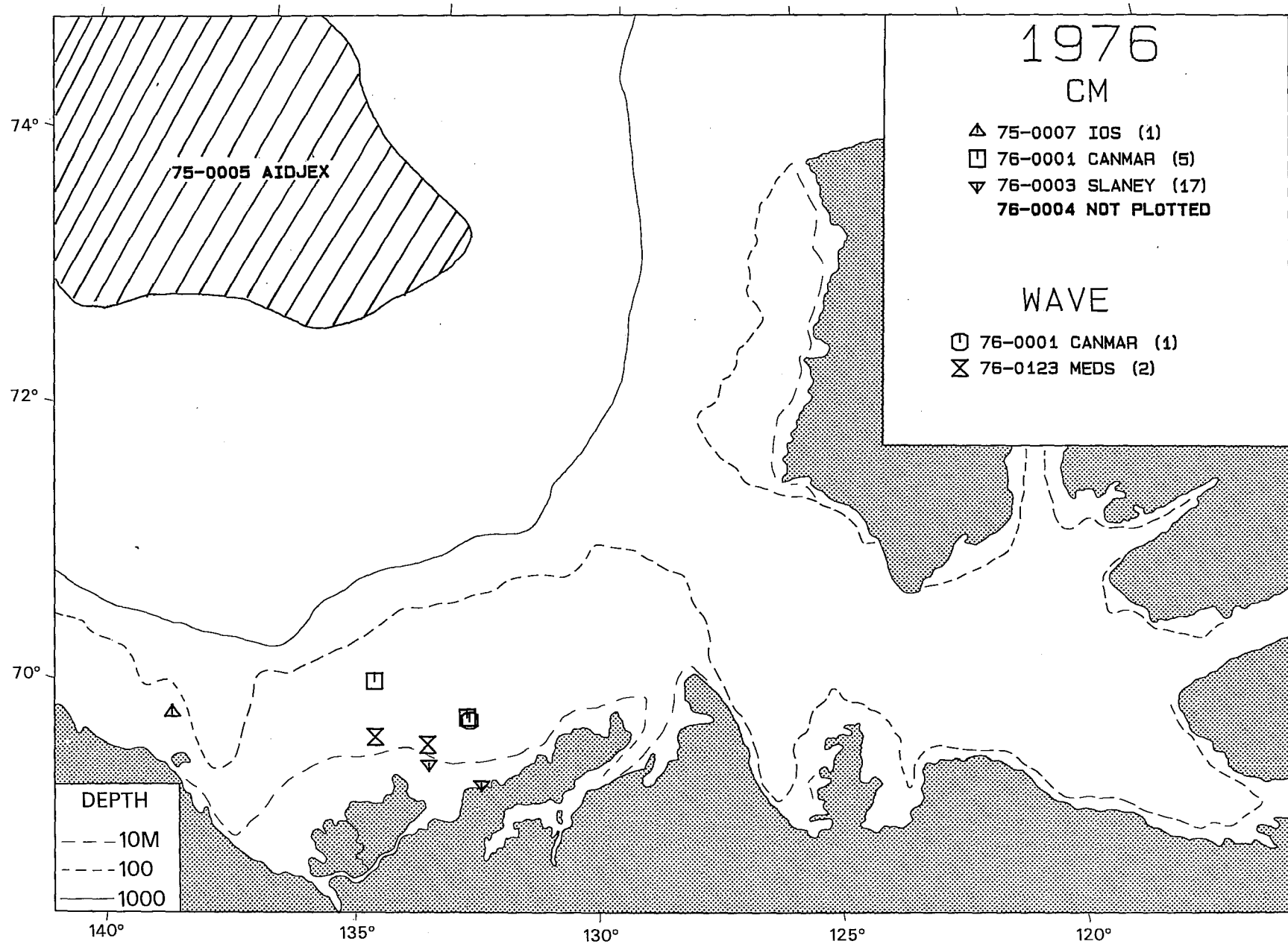


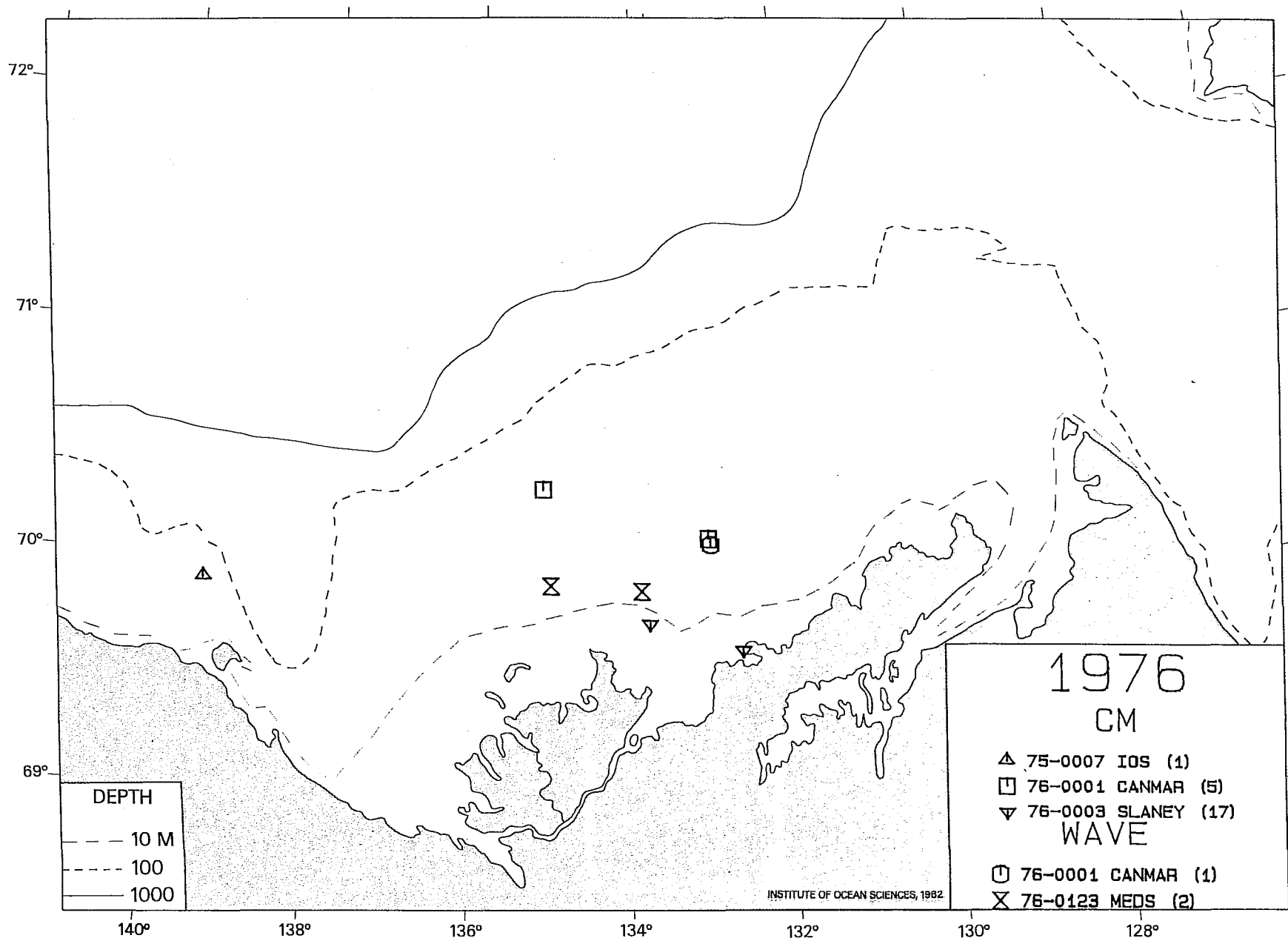


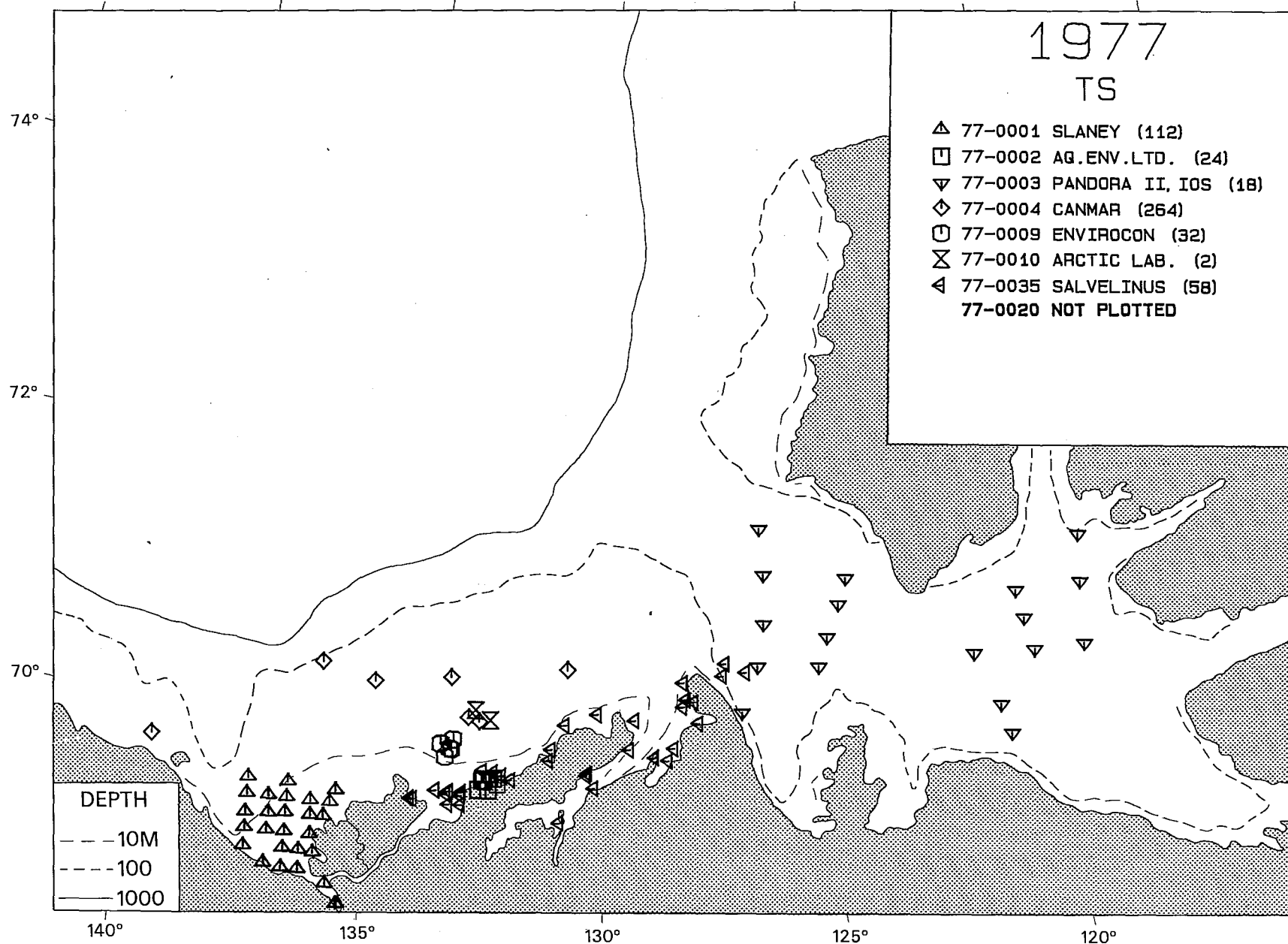


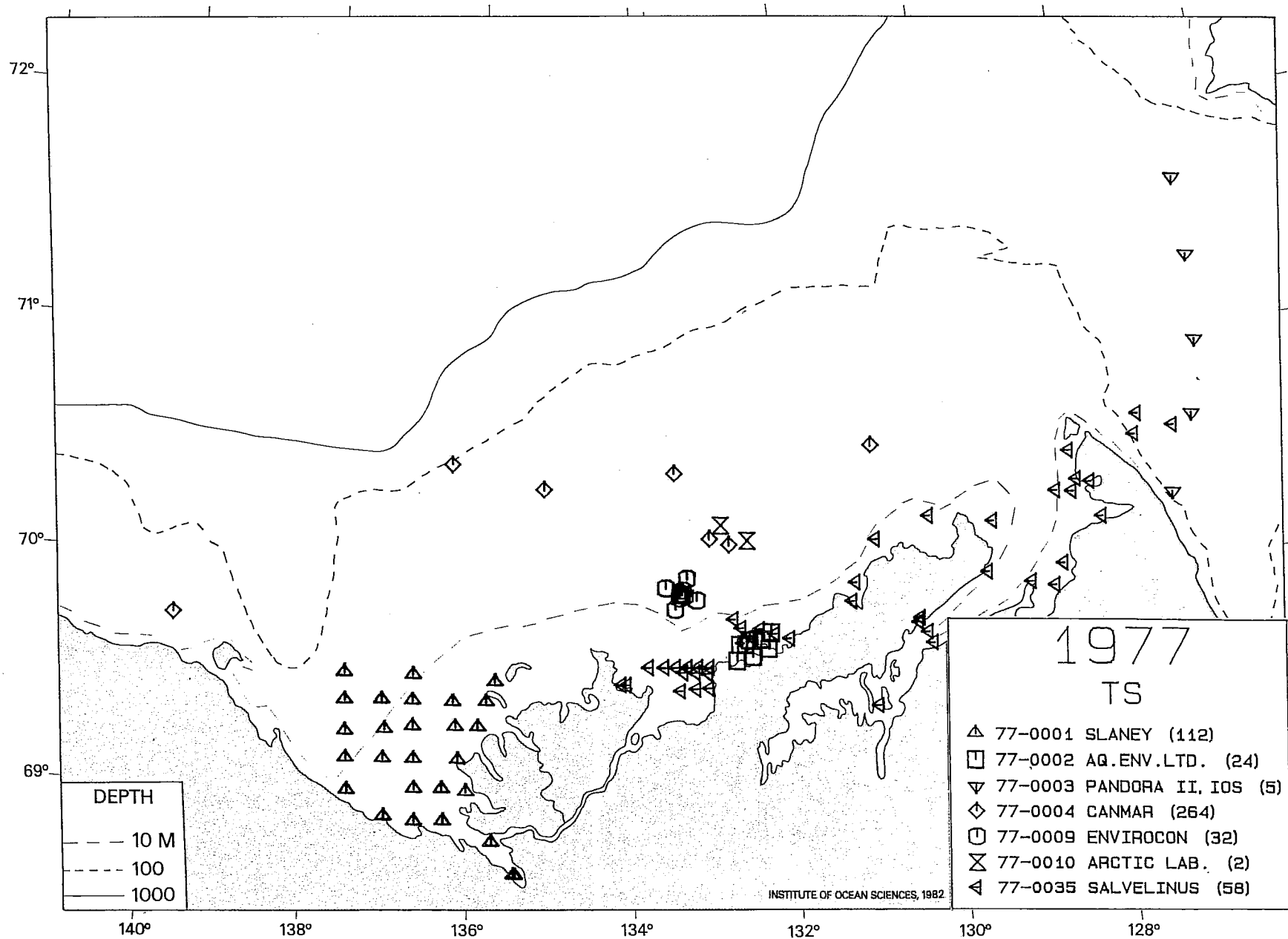




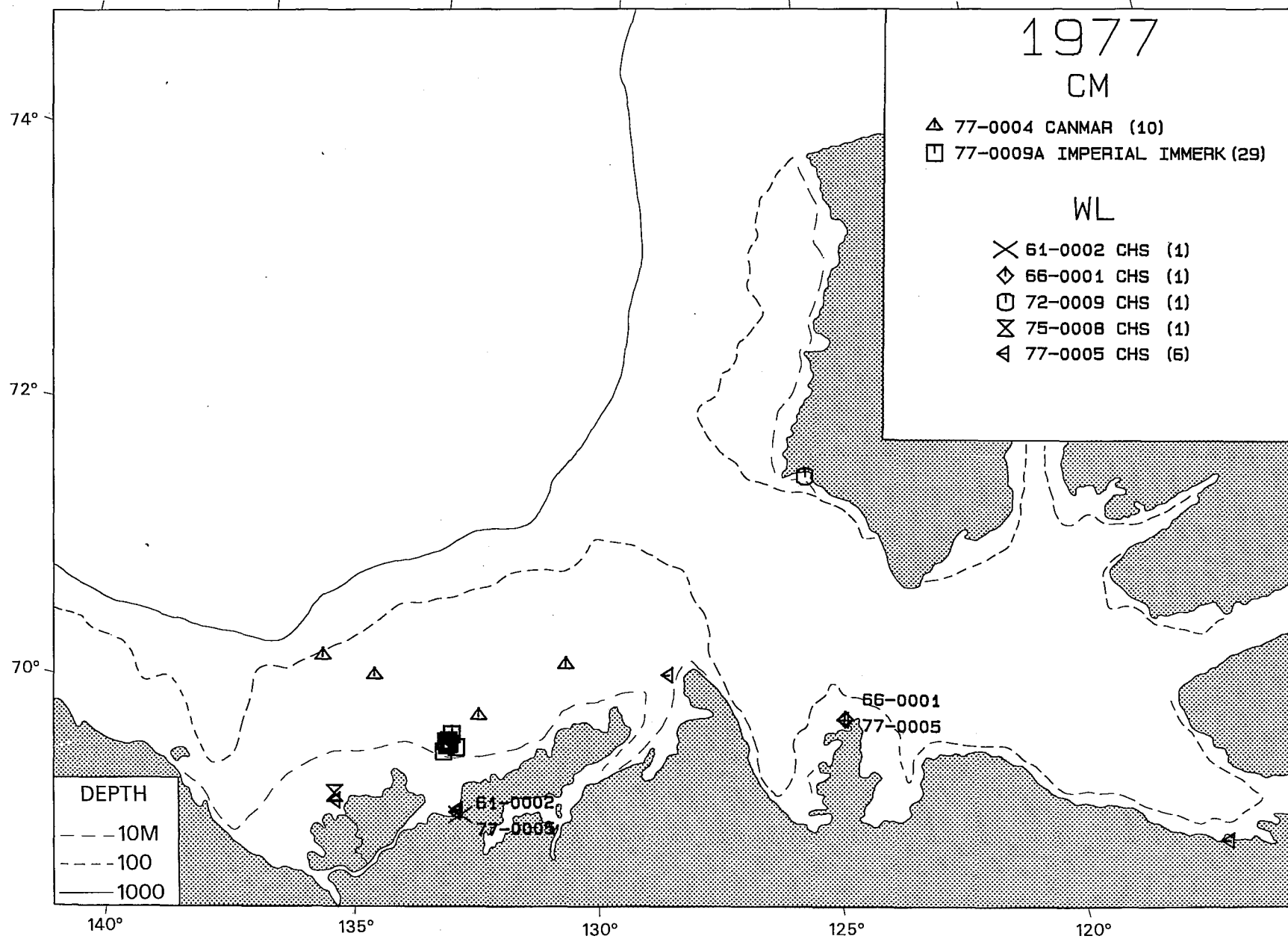


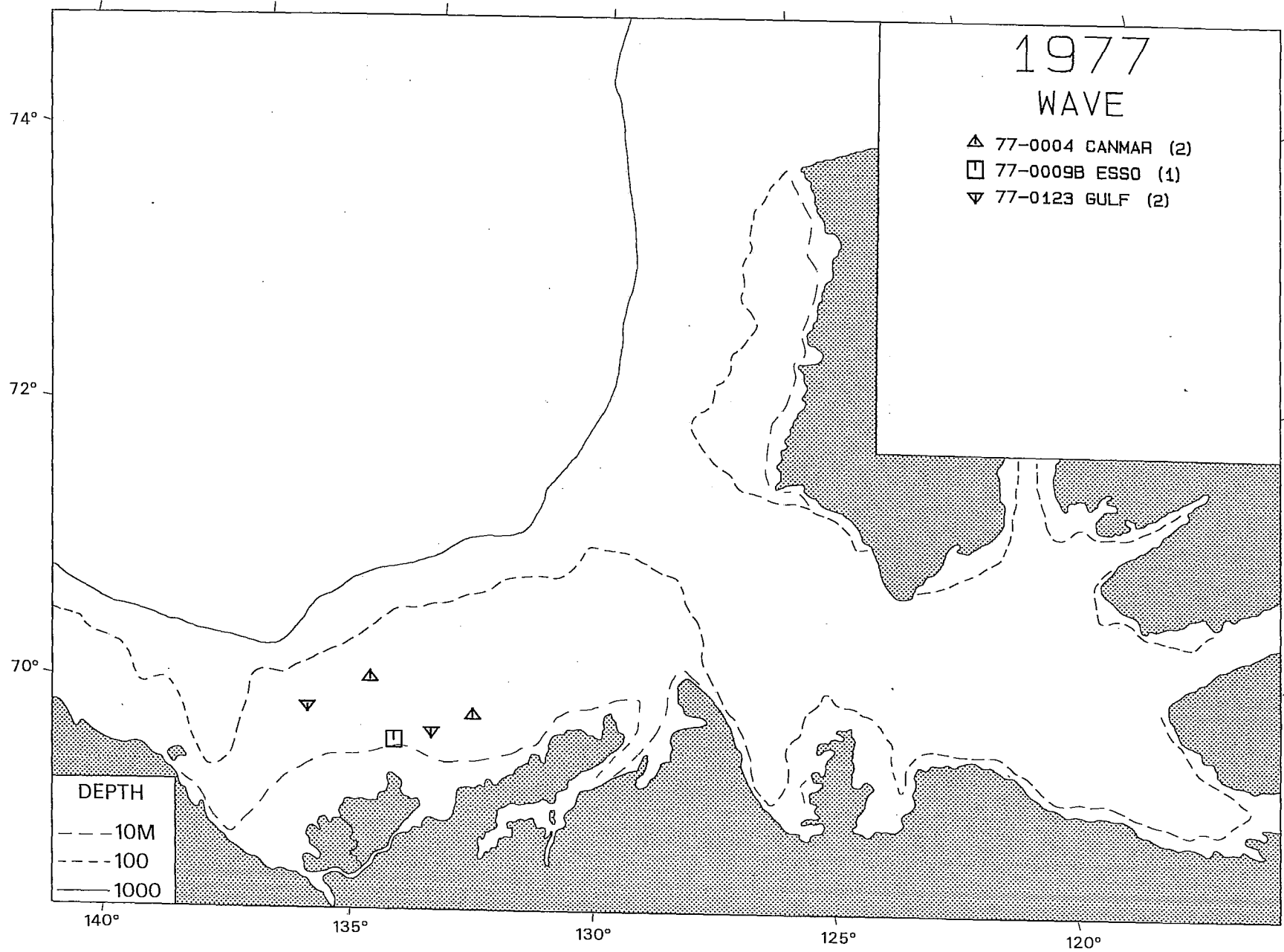


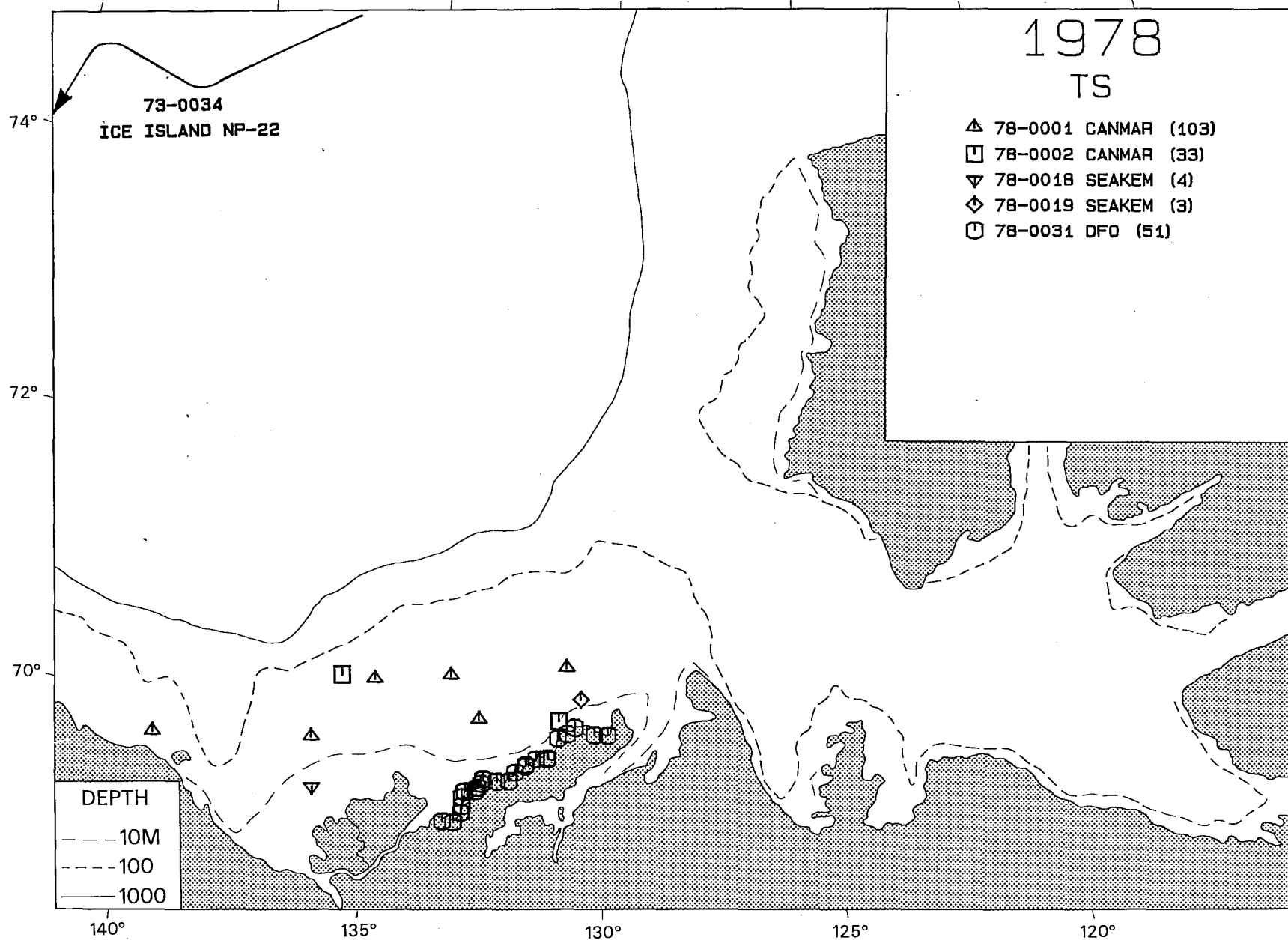


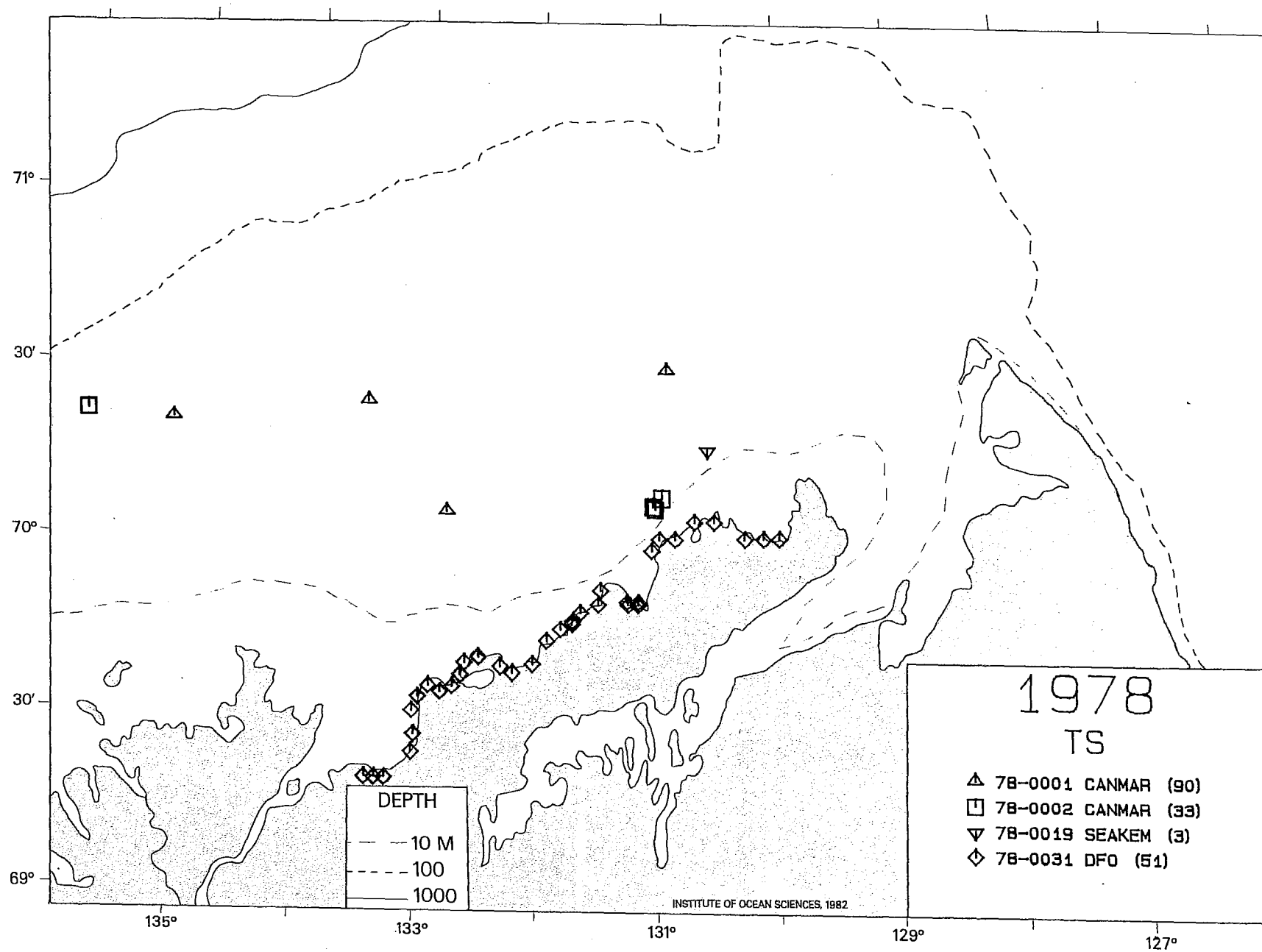


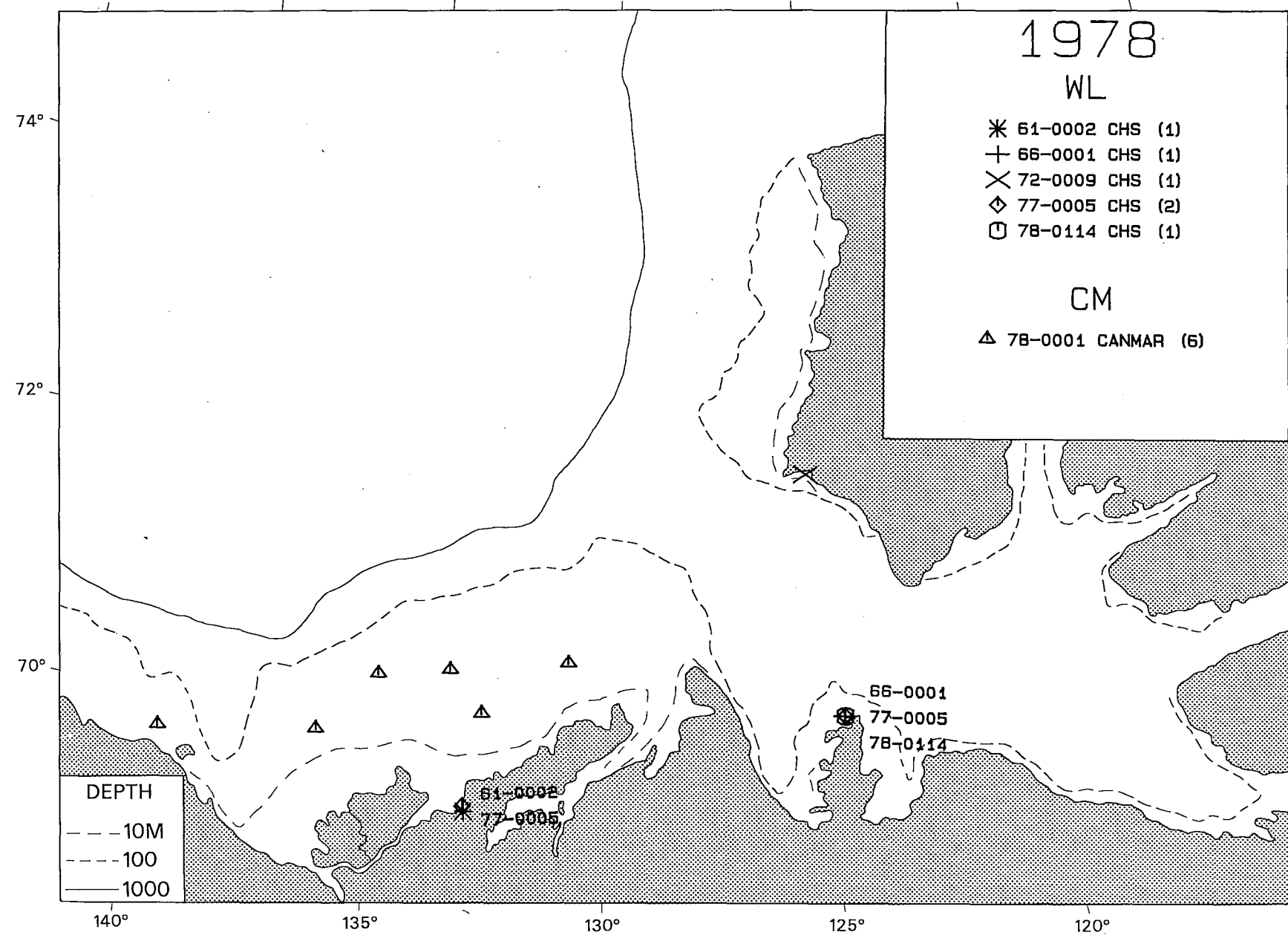












# 1978 WAVE

- △ 78-0001 CANMAR (3)
- 78-0113 MEDS (1)

## DEPTH

- 10M
- 100
- 1000

74°

72°

70°

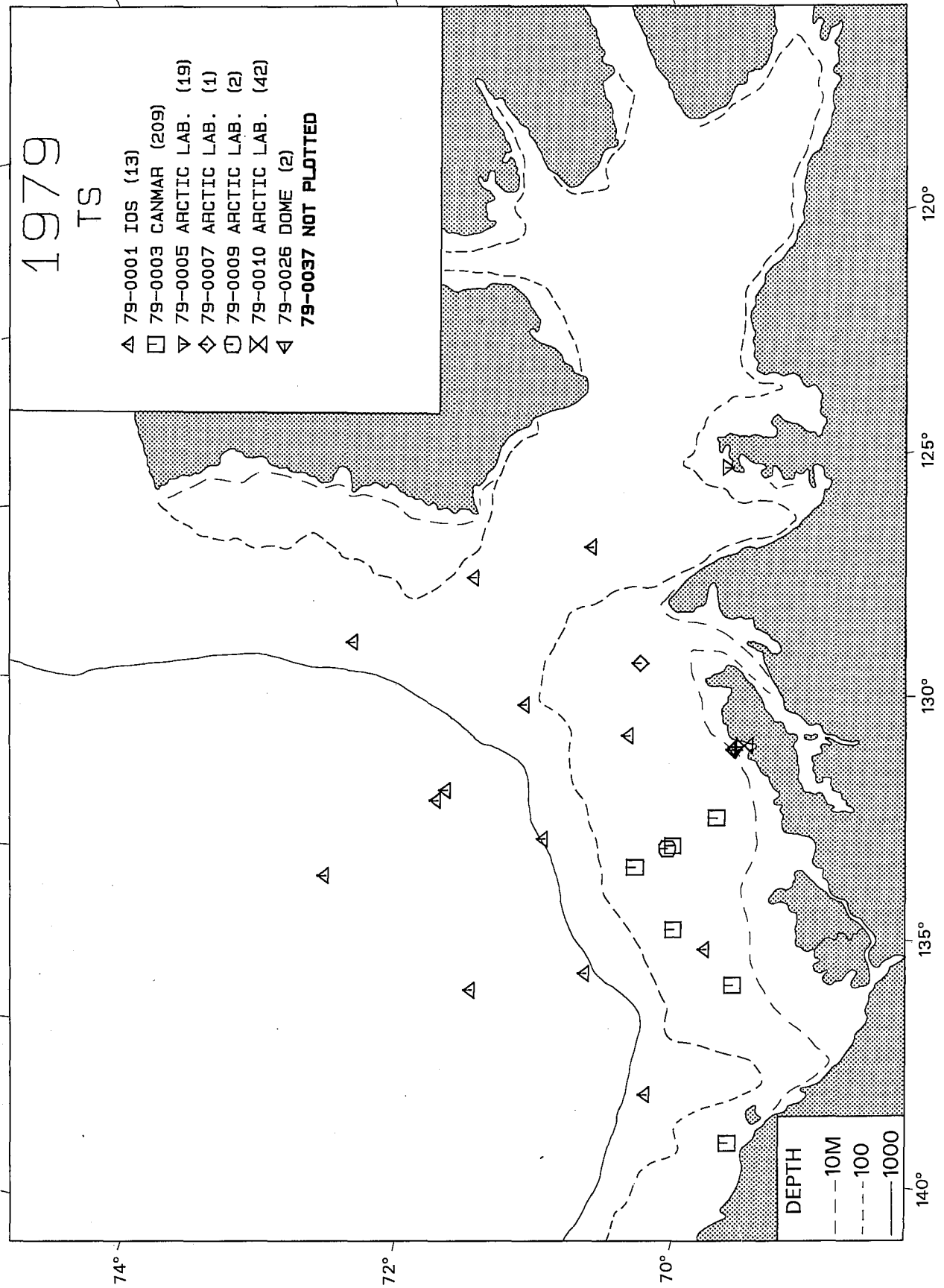
140°

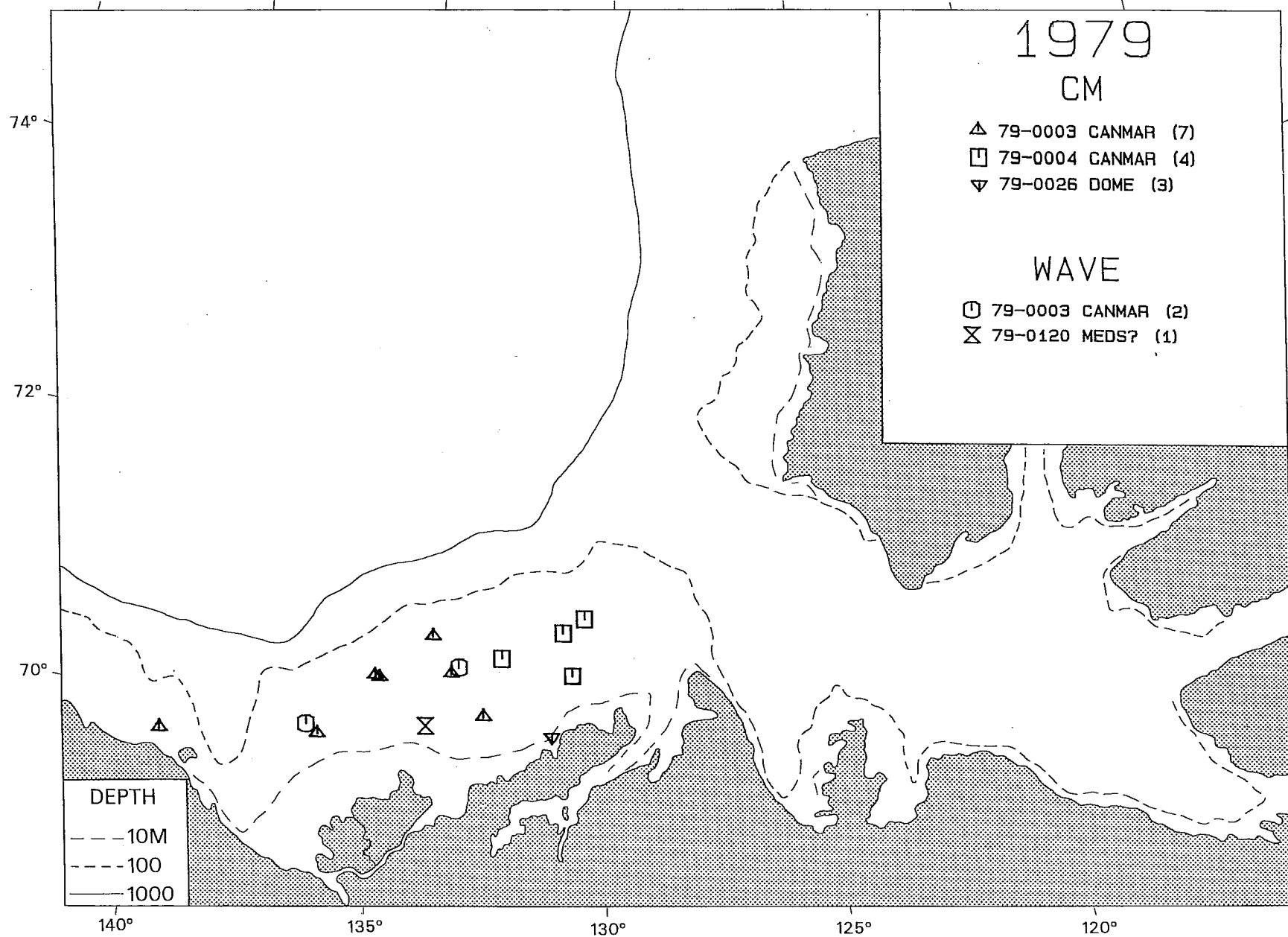
135°

130°

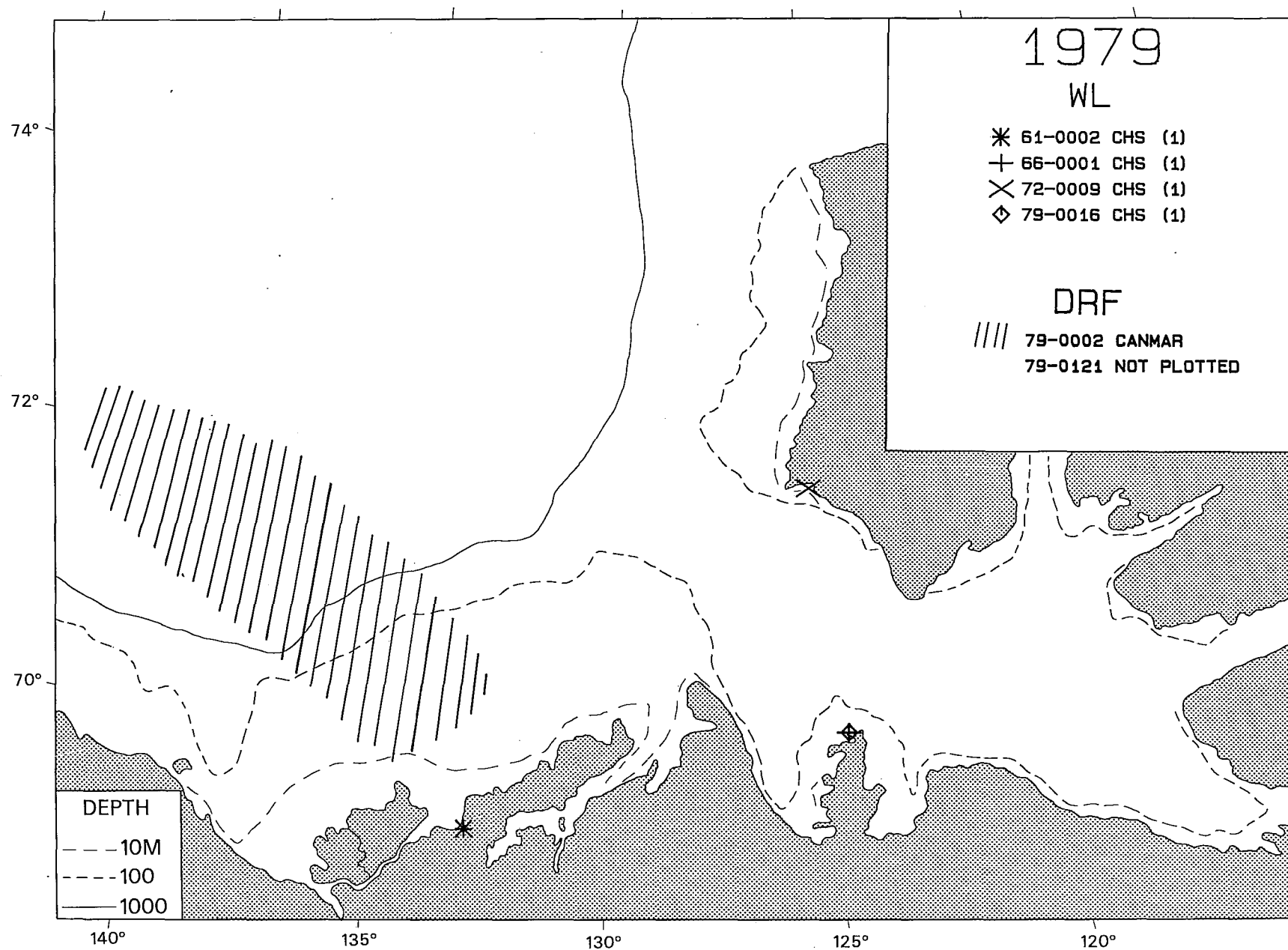
125°

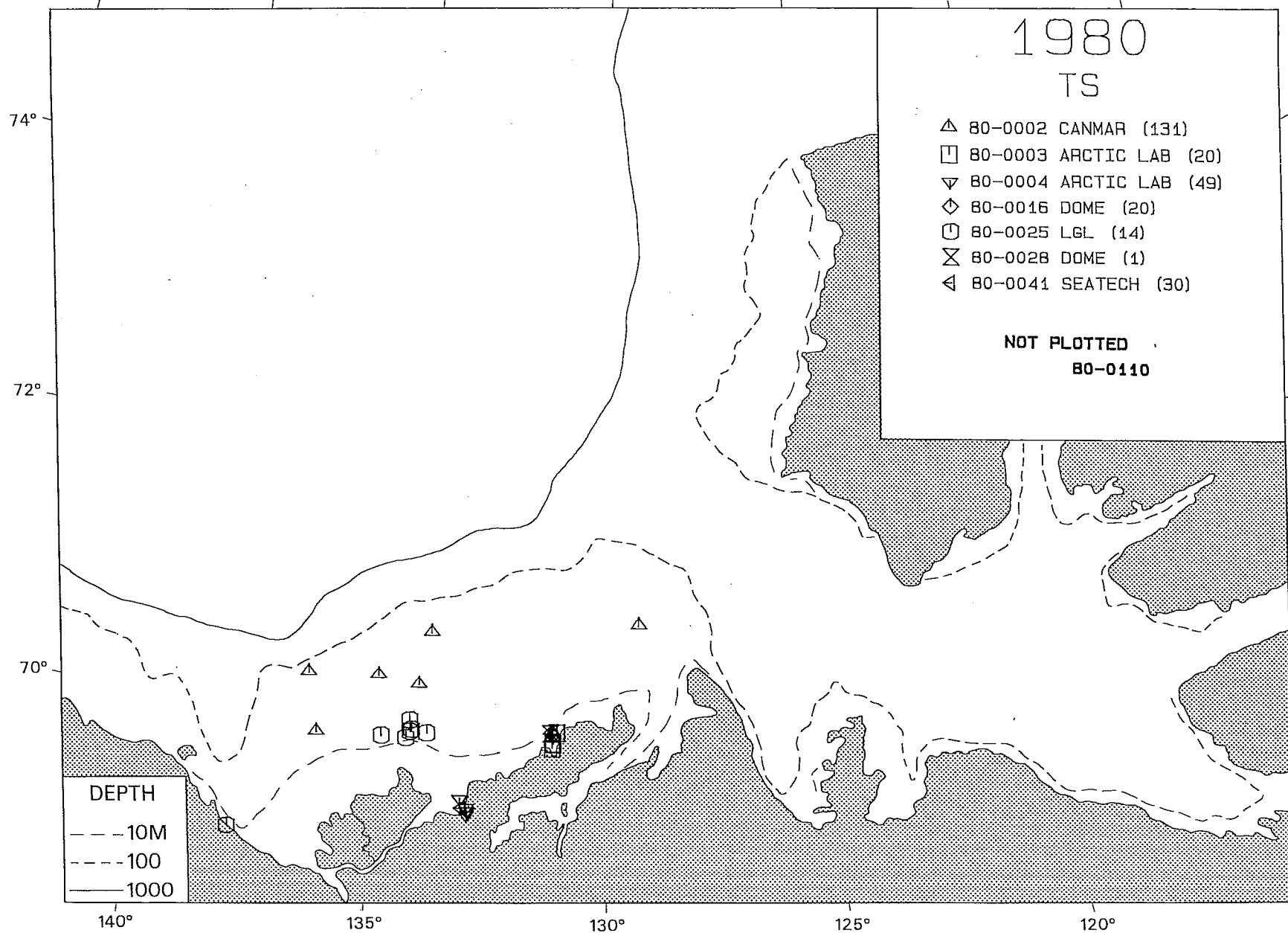
120°

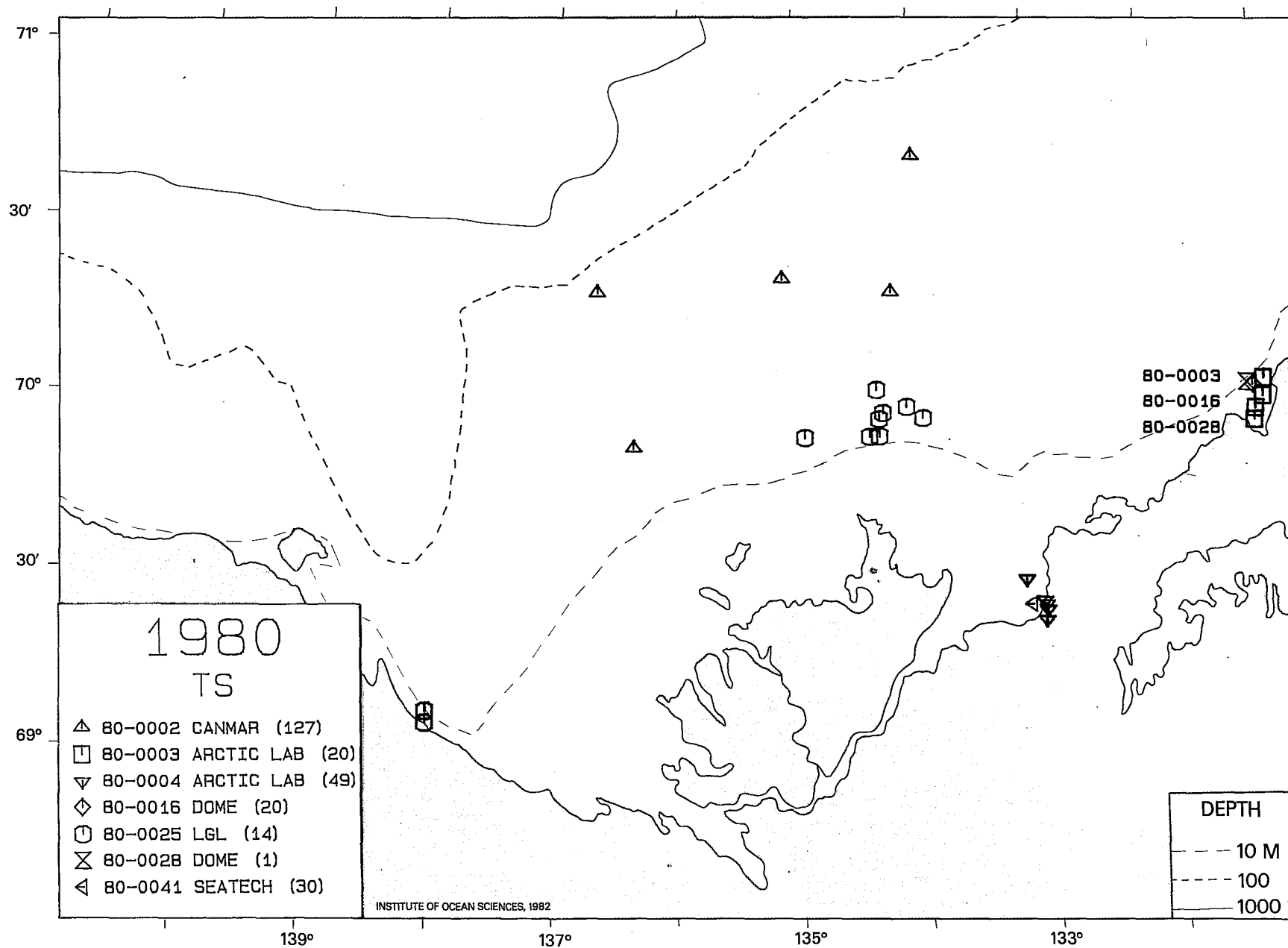


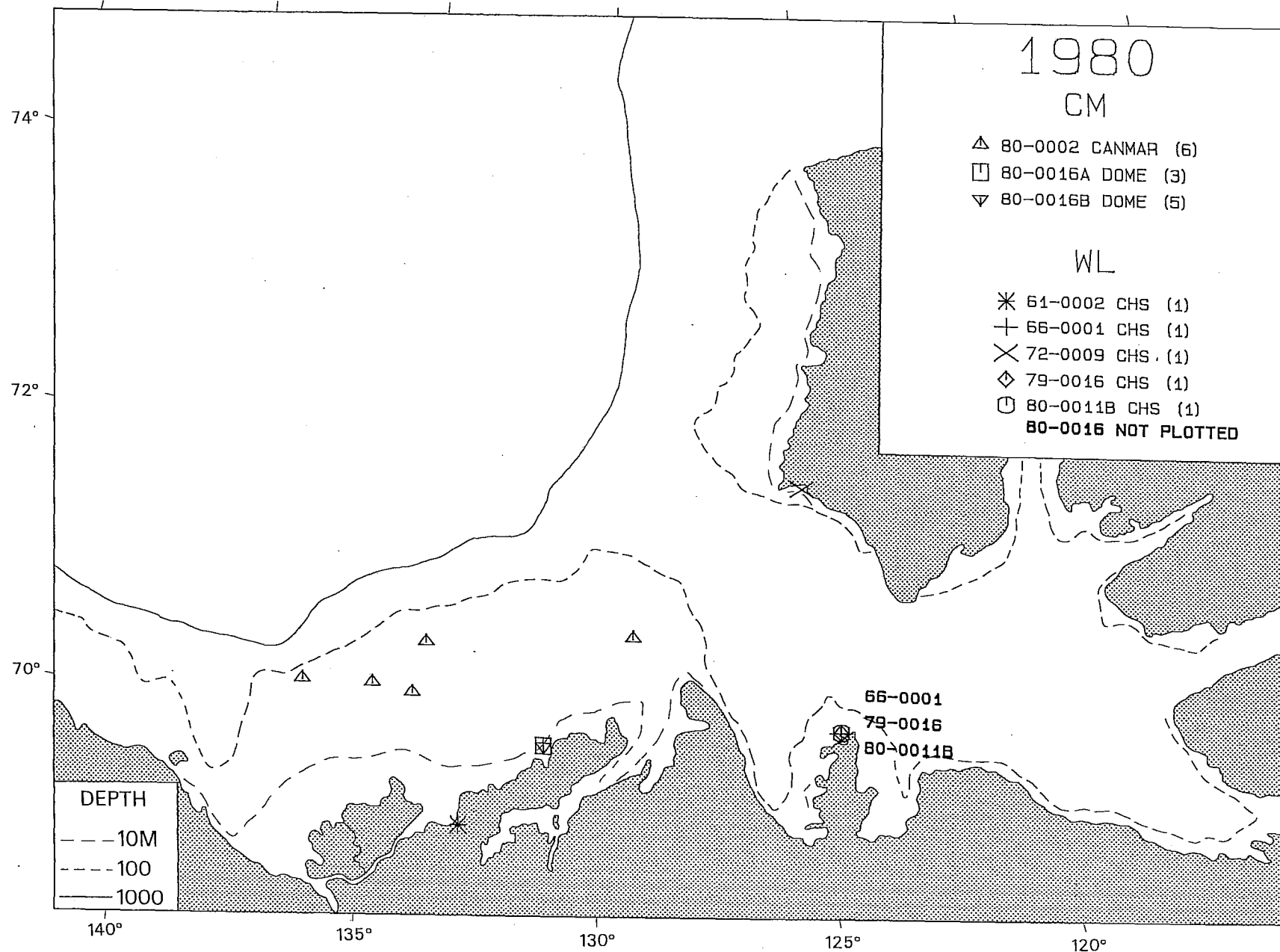


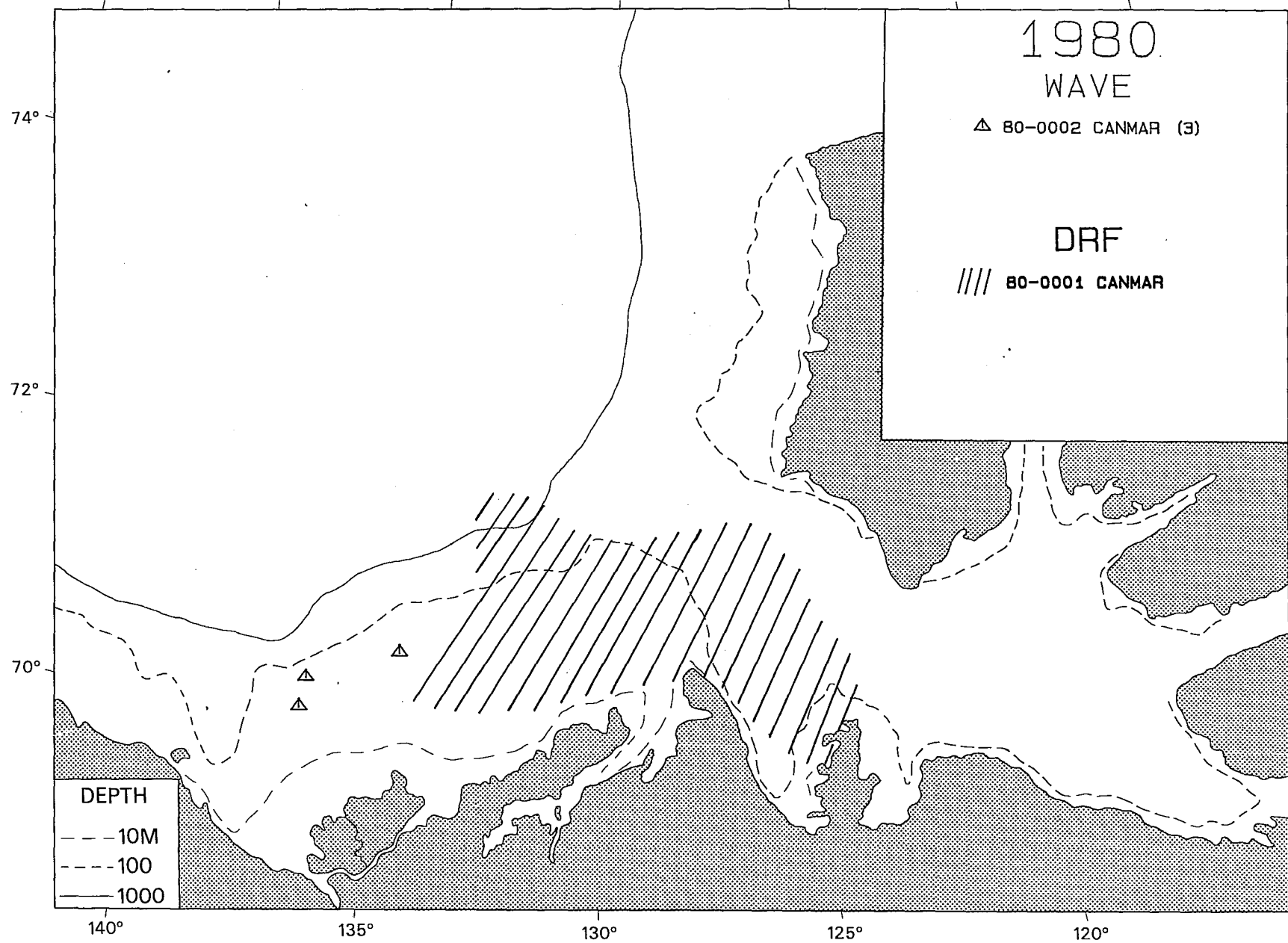


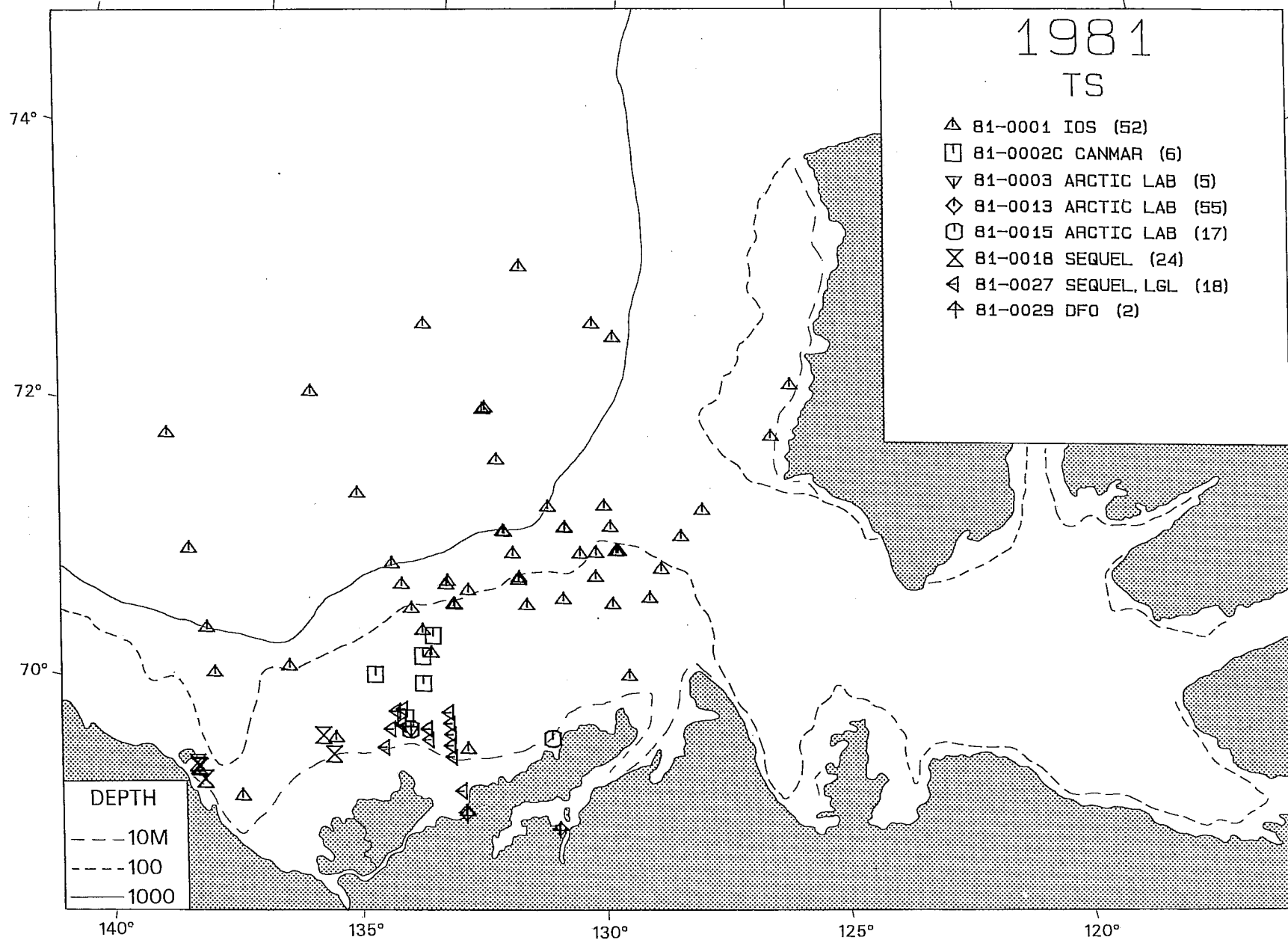












1981  
TS

- △ B1-0001 MOORING (3)
- B1-0002A MOORING (2)
- ▽ B1-0002B MOORING (1)
- ◇ B1-0002C MOORING (1)
- B1-0016 MOORING (2)
- ⊗ B1-0017 MOORING (1)

DEPTH

--- 10M  
--- 100  
— 1000

74°

72°

70°

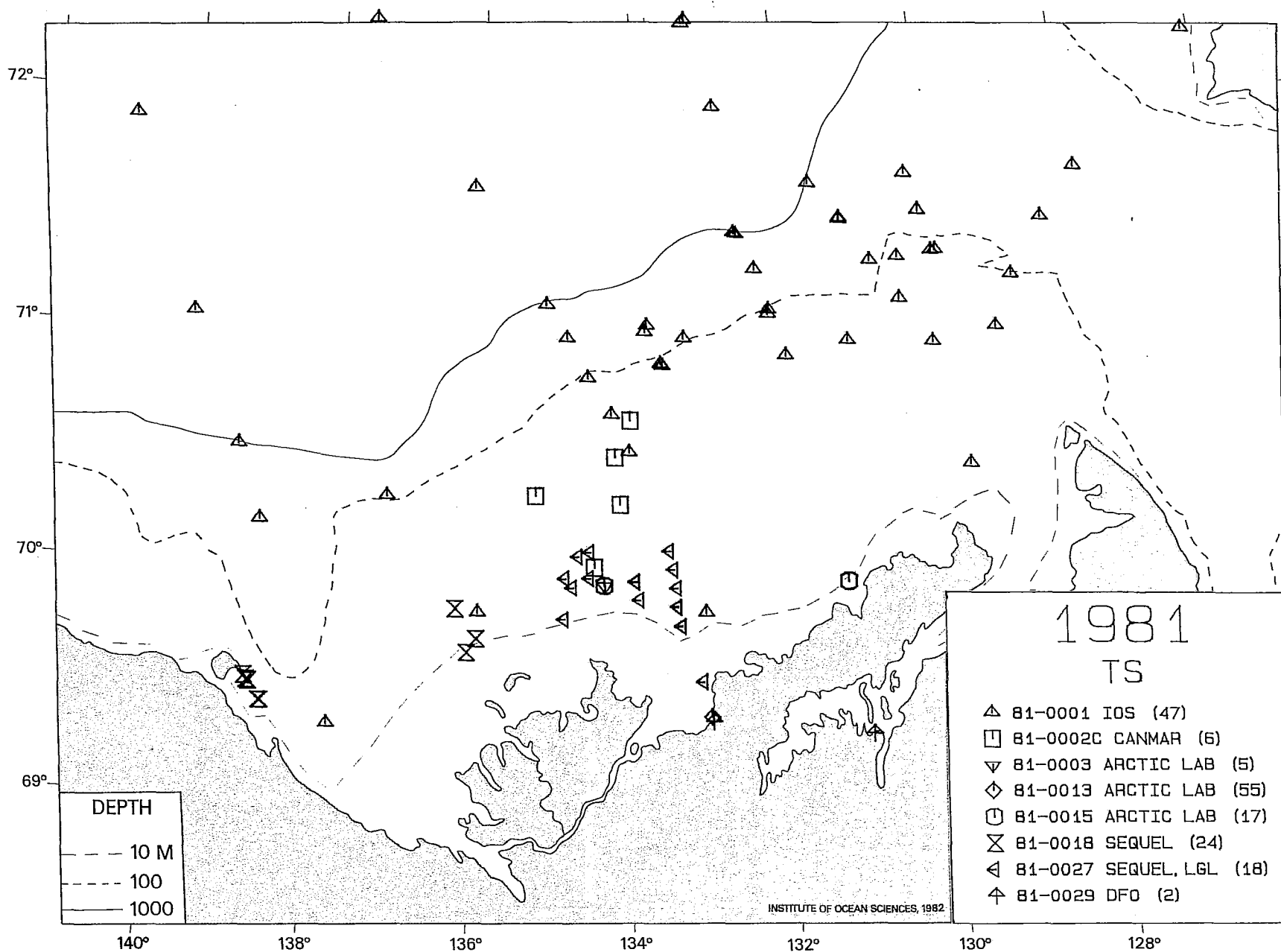
140°

135°

130°

125°

120°





1981  
CM

- △ 81-0001 IOS (6)
- 81-0002A ASL (2)
- ▽ 81-0002B ASL (1)
- ◇ 81-0002C CANMAR (11)
- 81-0016 ARCTIC SC.LTD. (4)
- 81-0006 NOT PLOTTED

DRF

//// 81-0038 CANMAR

DEPTH

--- 10M  
--- 100  
— 1000

74°

72°

70°

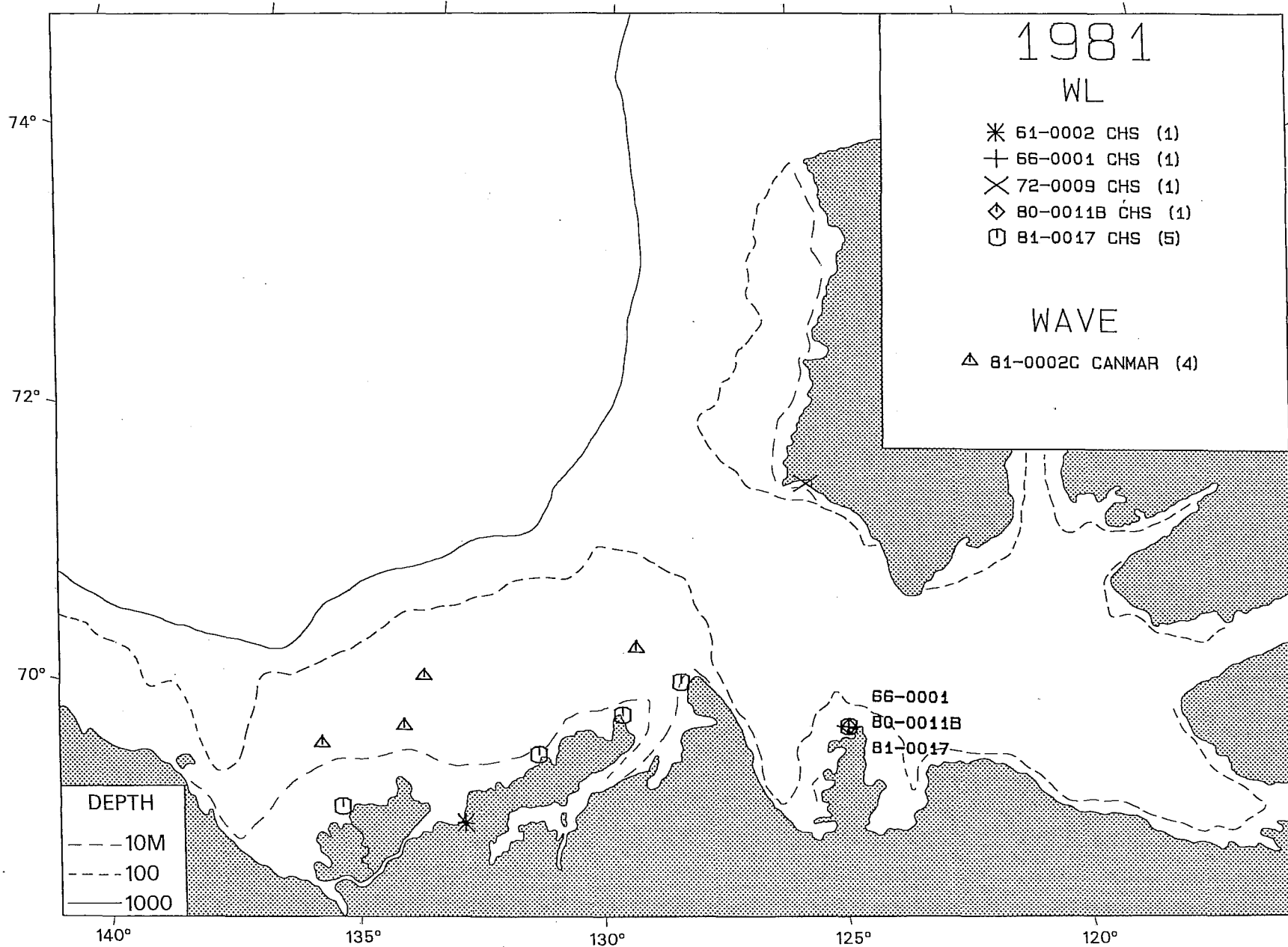
140°

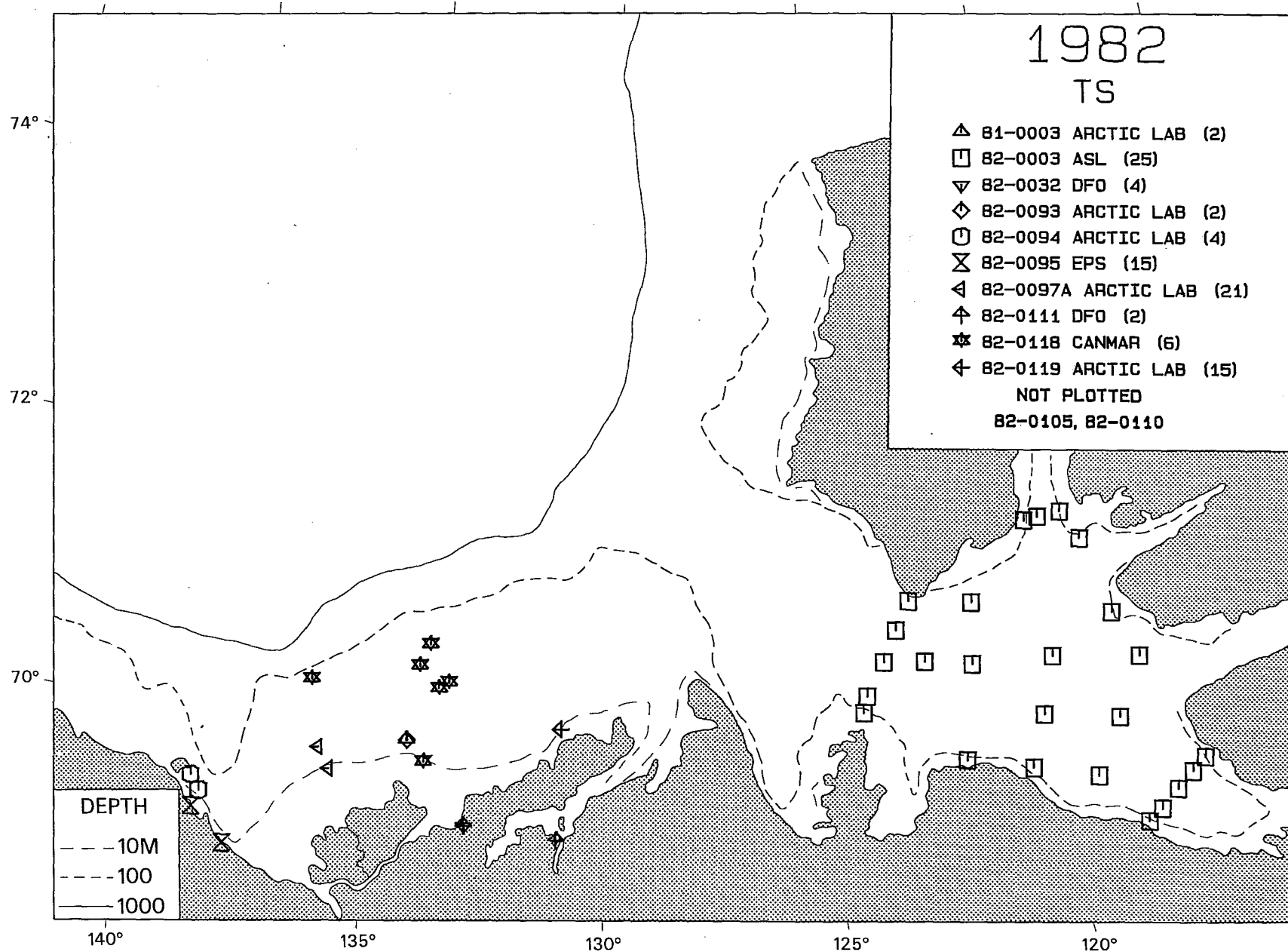
135°

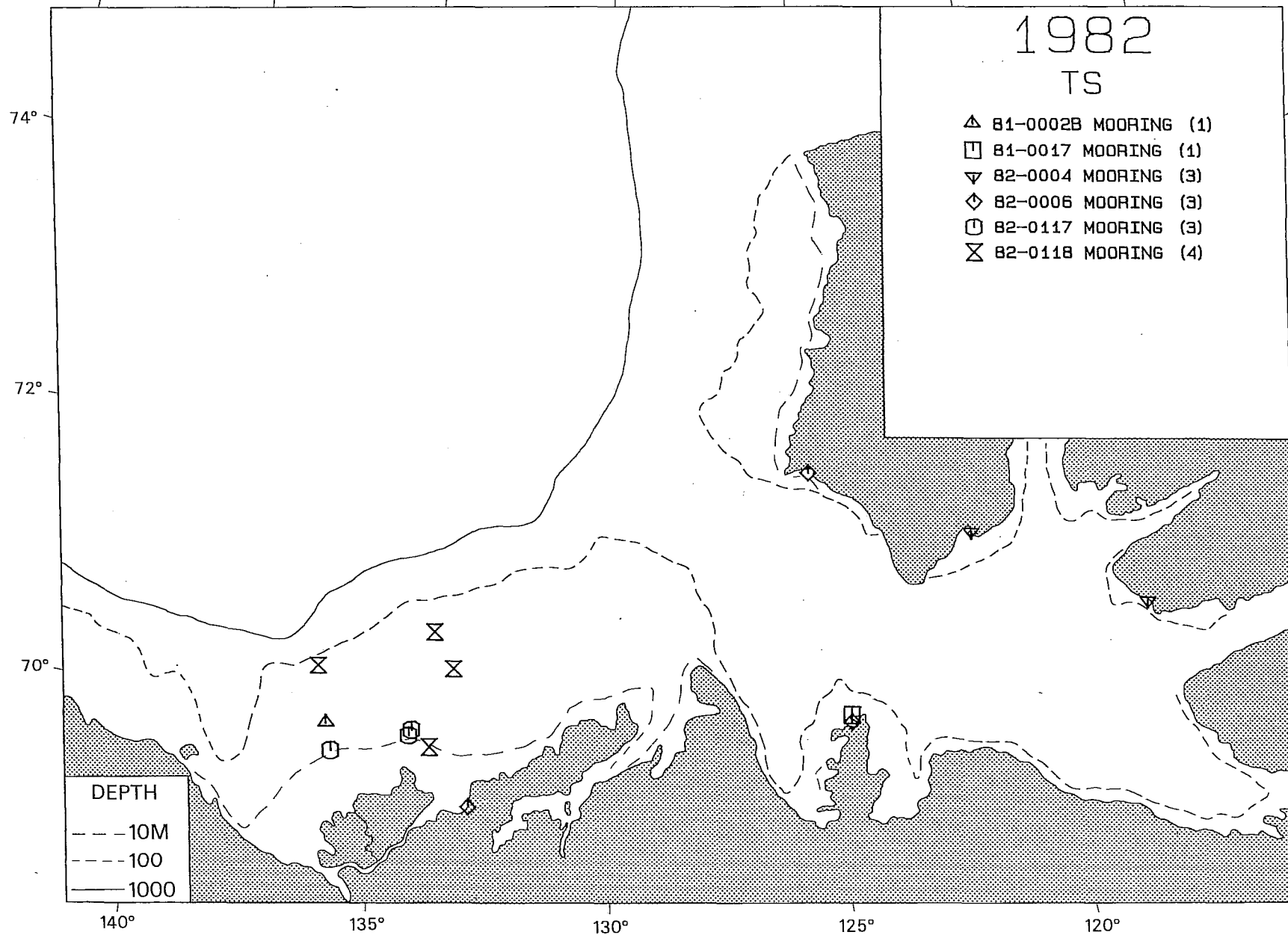
130°

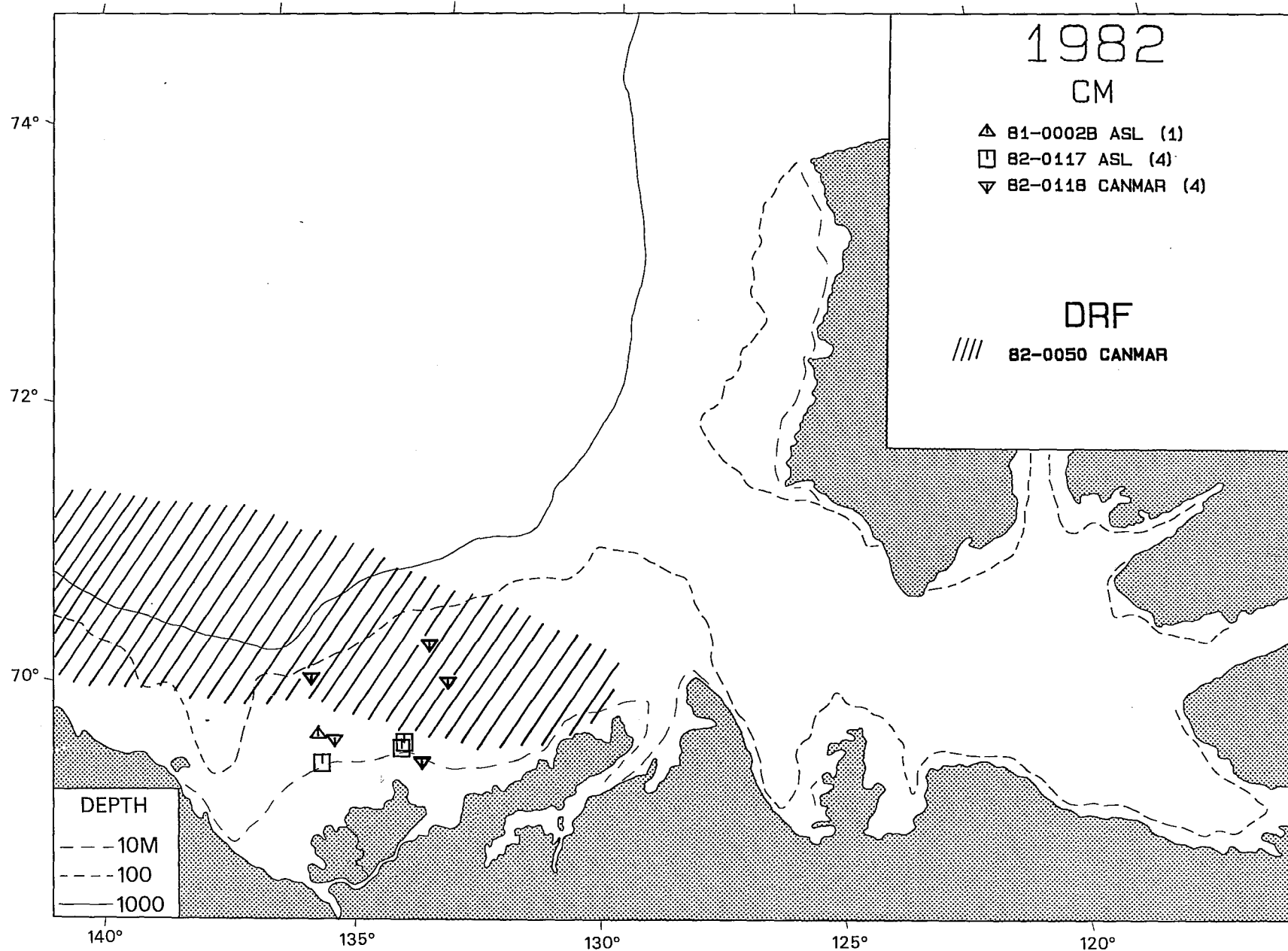
125°

120°

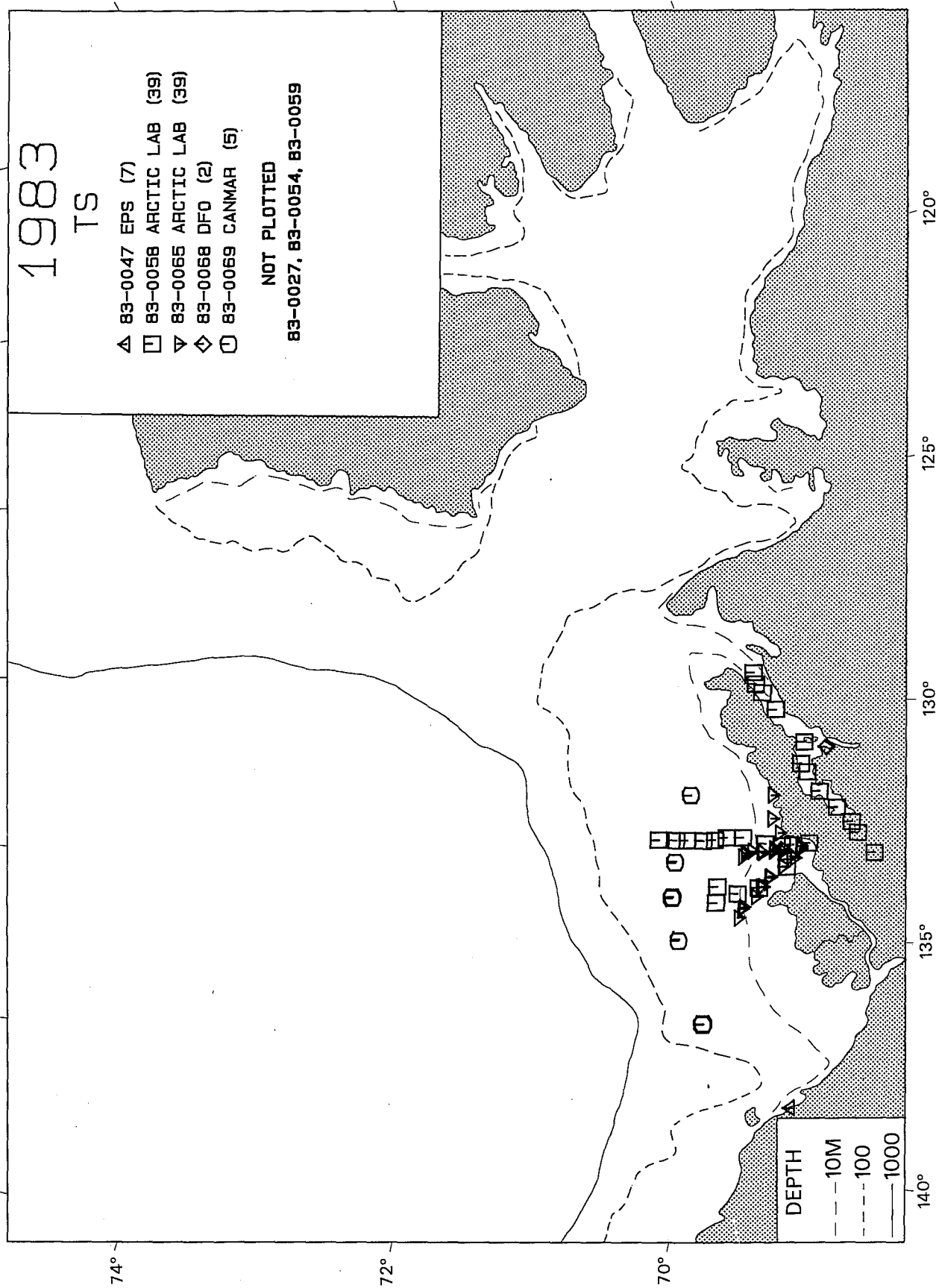


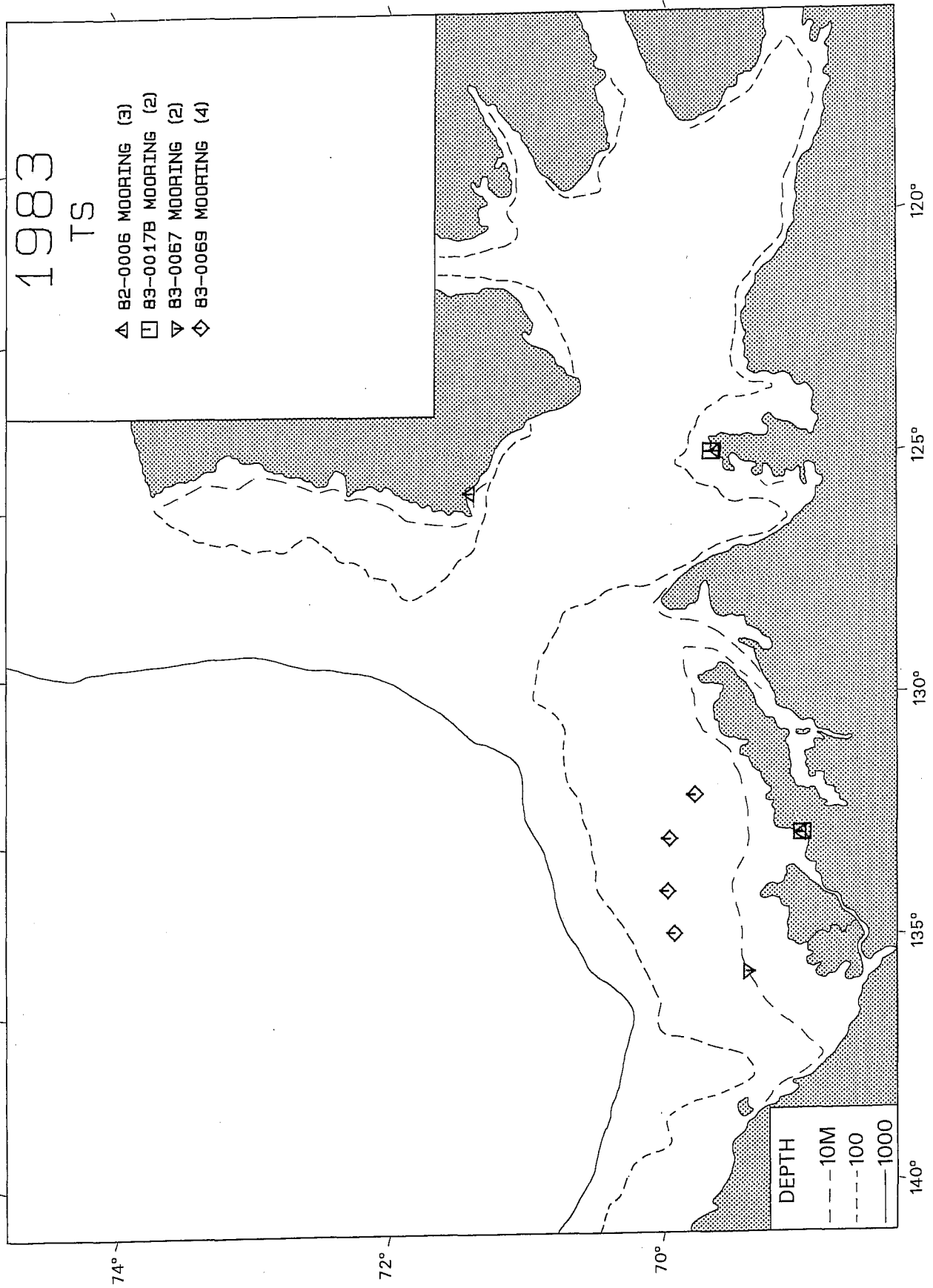




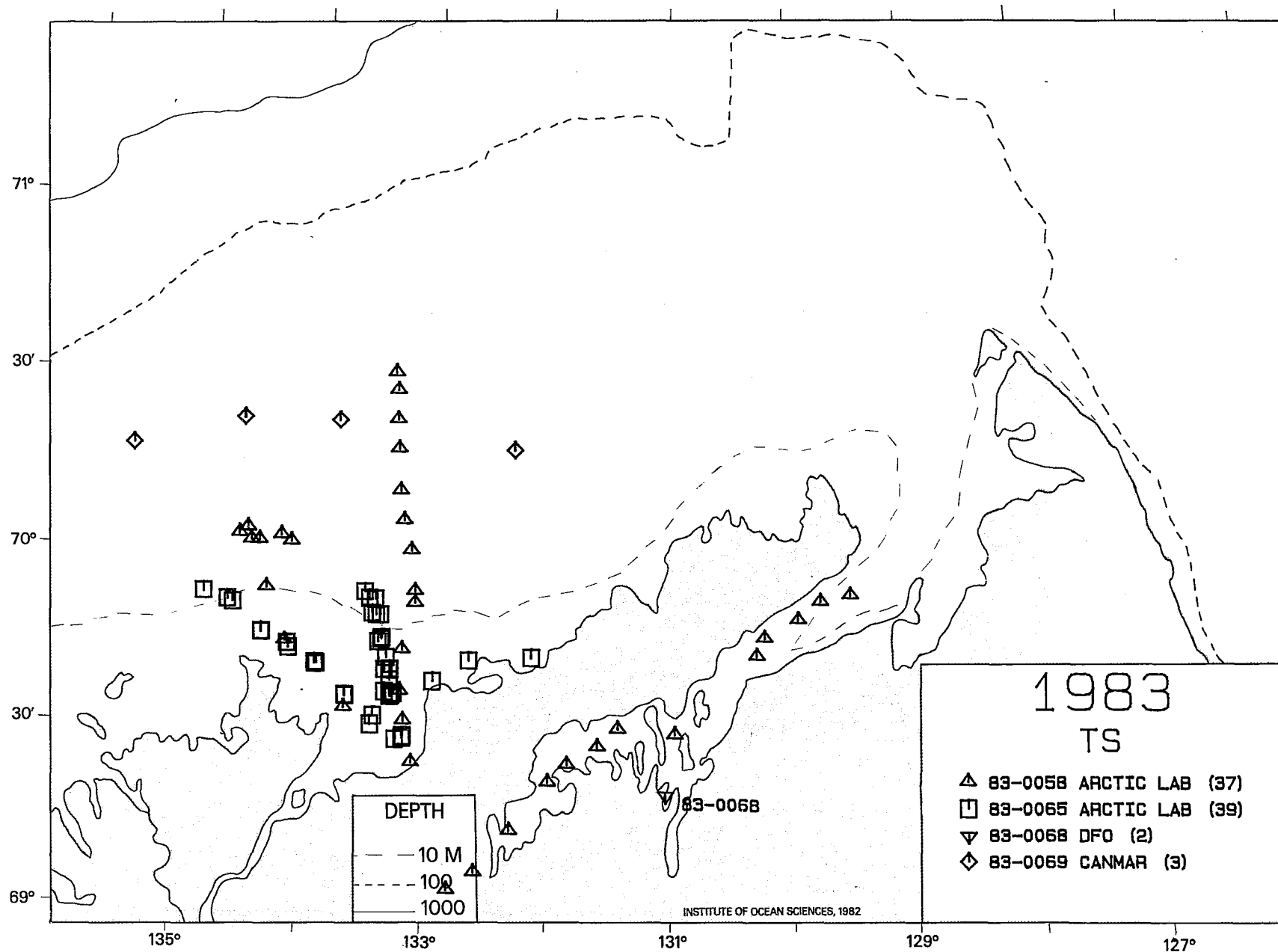


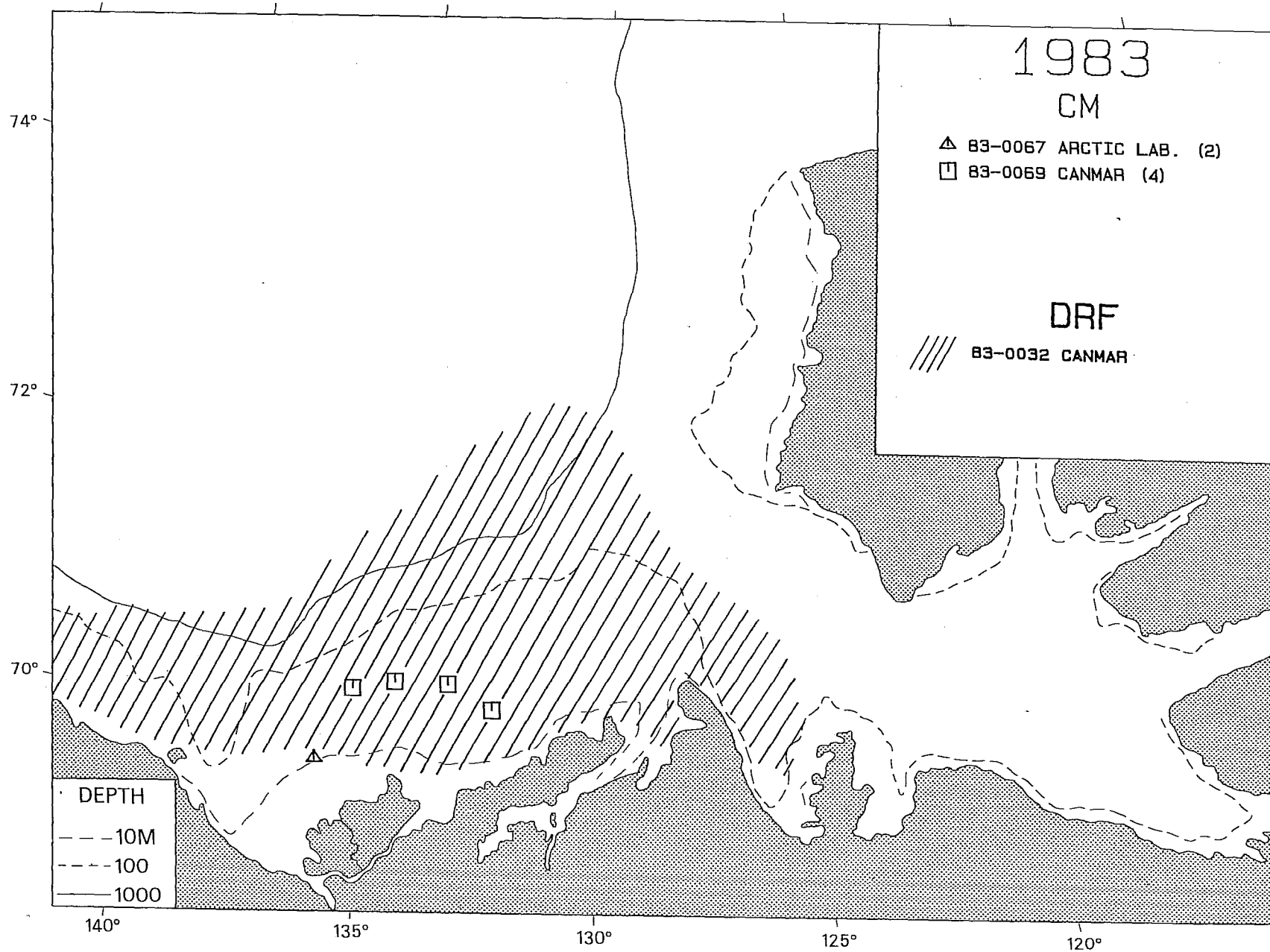


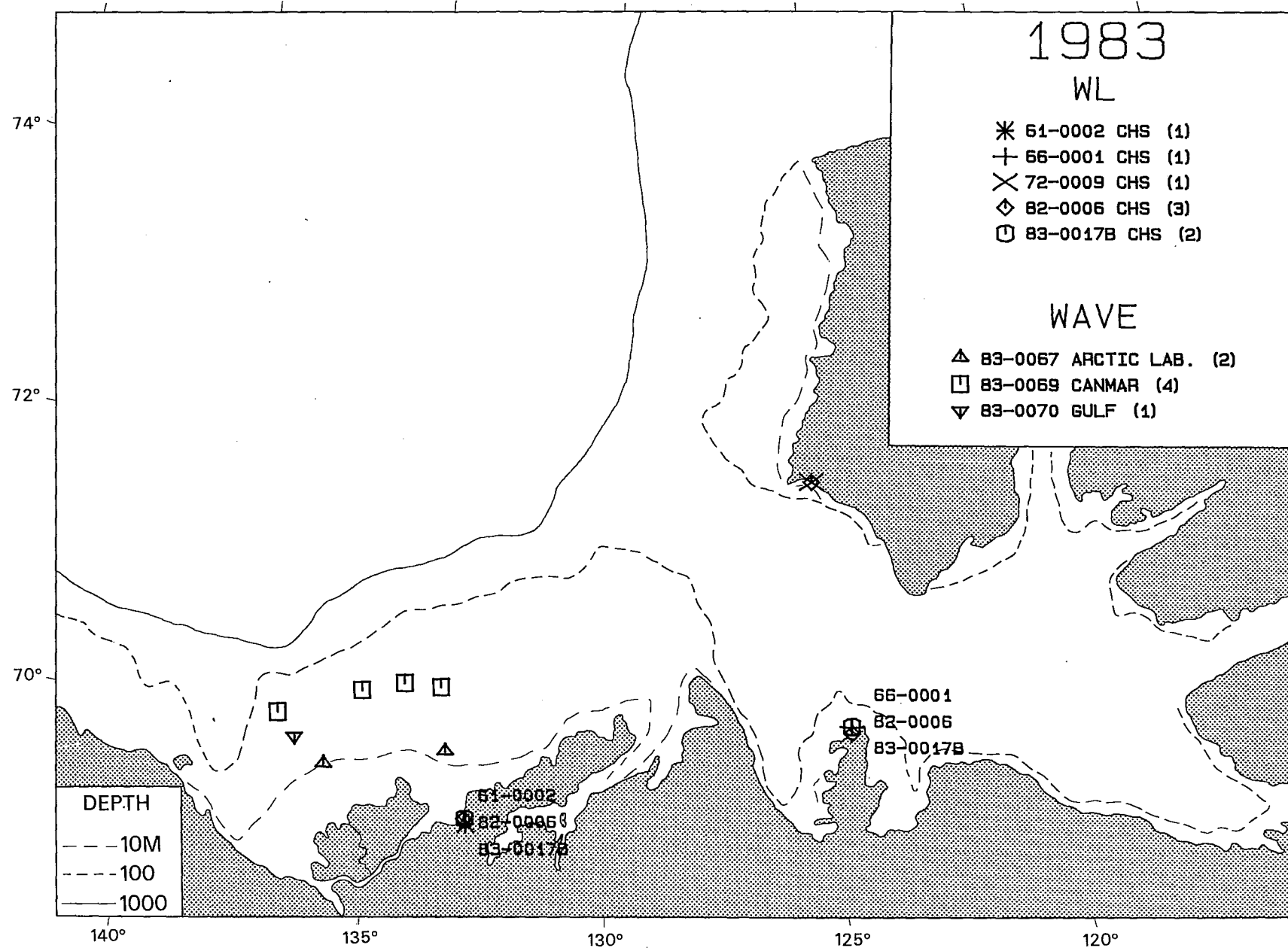


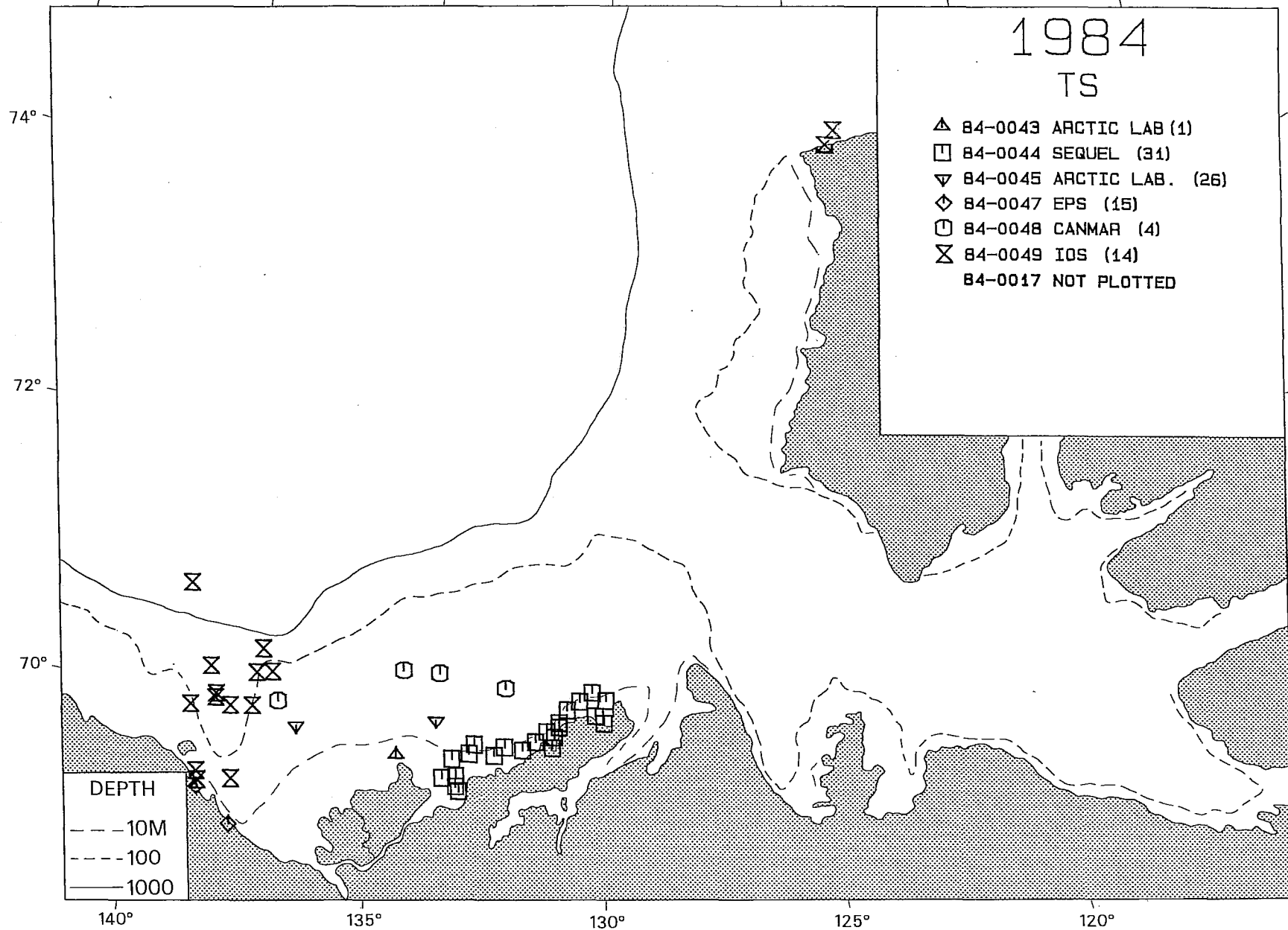


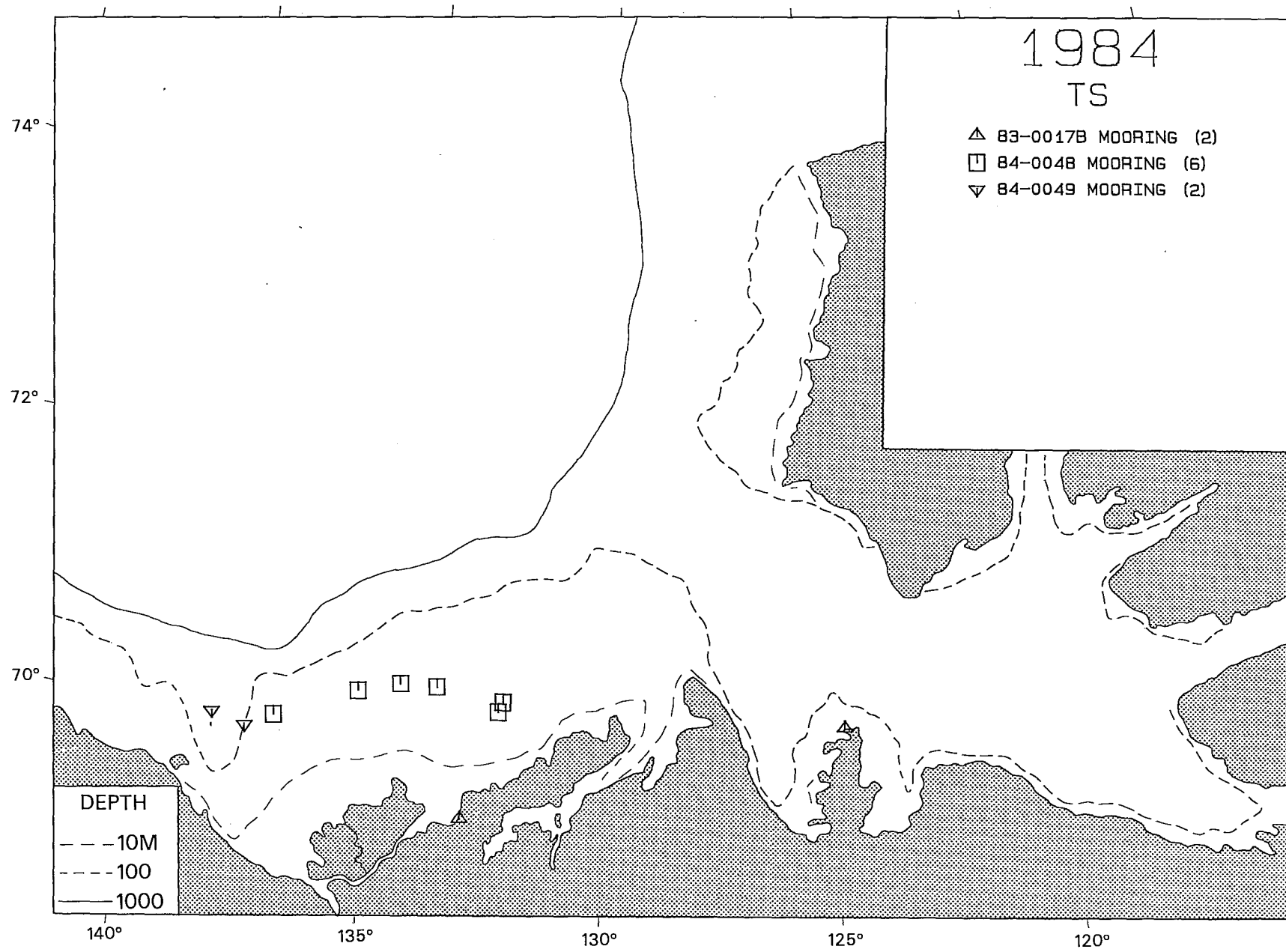


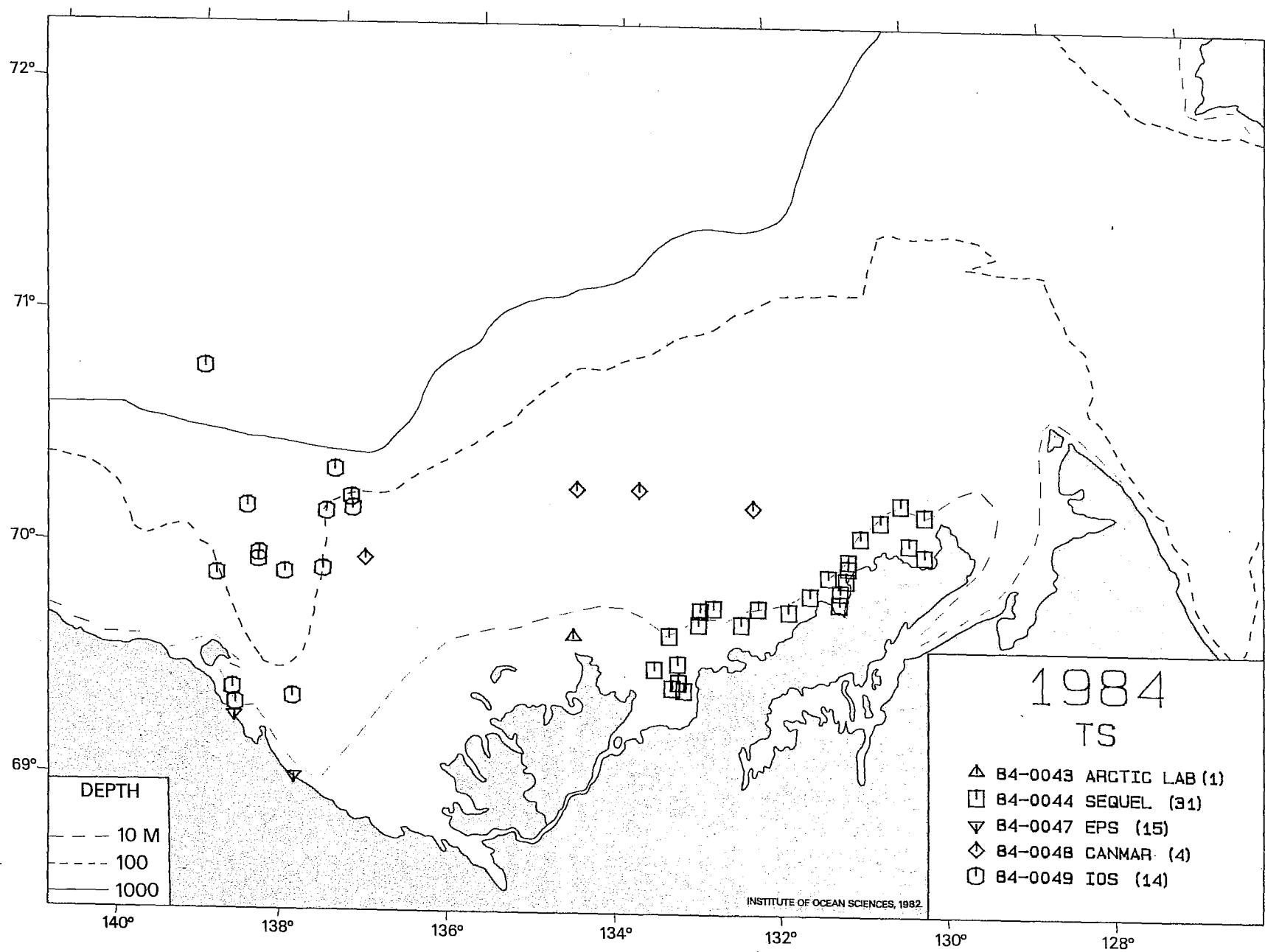












1984  
CM

- △ 84-0029 ASL (4)
- 84-0045 ARCTIC LAB. (1)
- ▽ 84-0048 CANMAR (6)
- ◇ 84-0049 IOS (3)

DEPTH

--- 10M  
--- 100  
--- 1000

74°

72°

70°

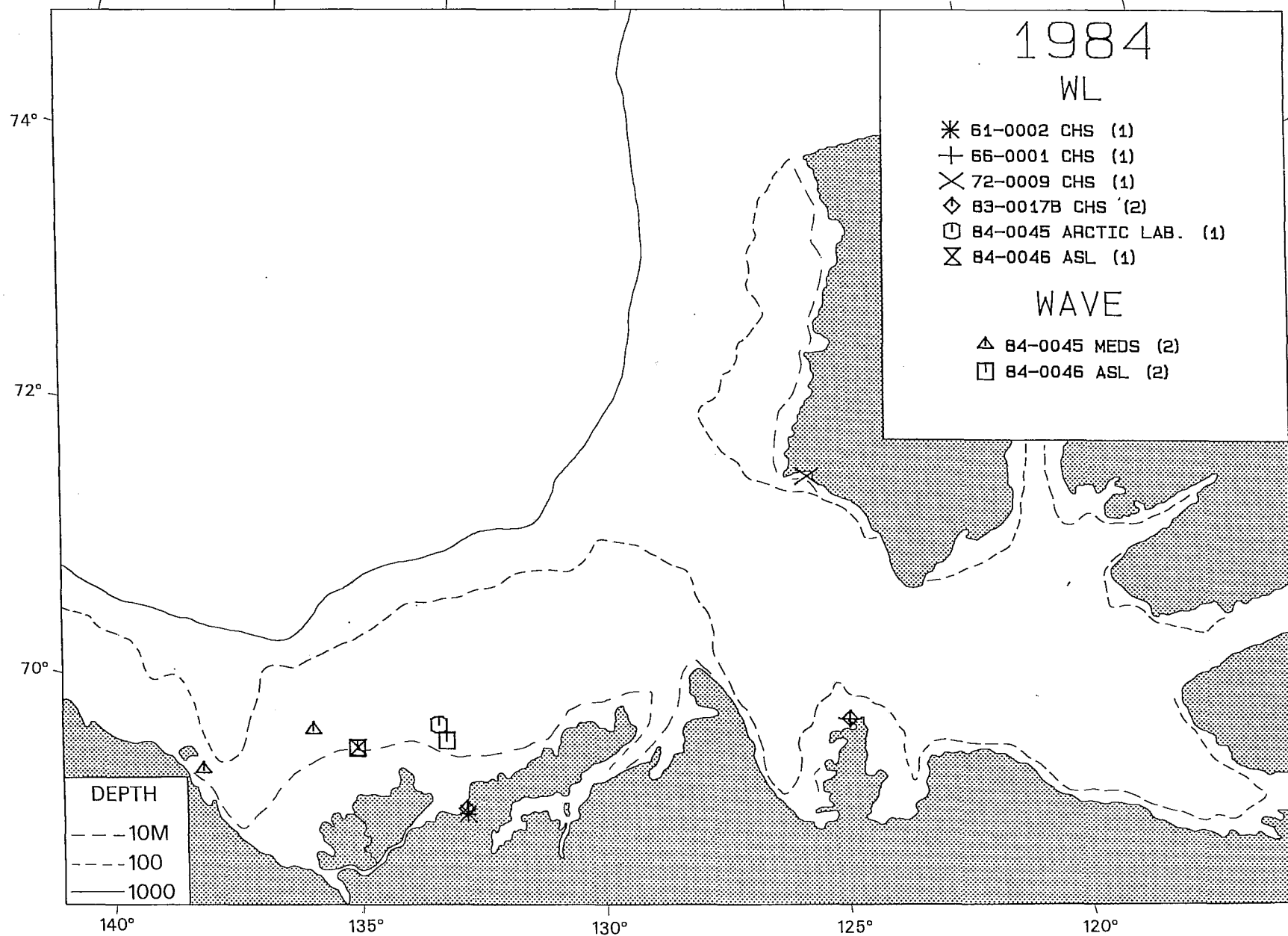
140°

135°

130°

125°

120°





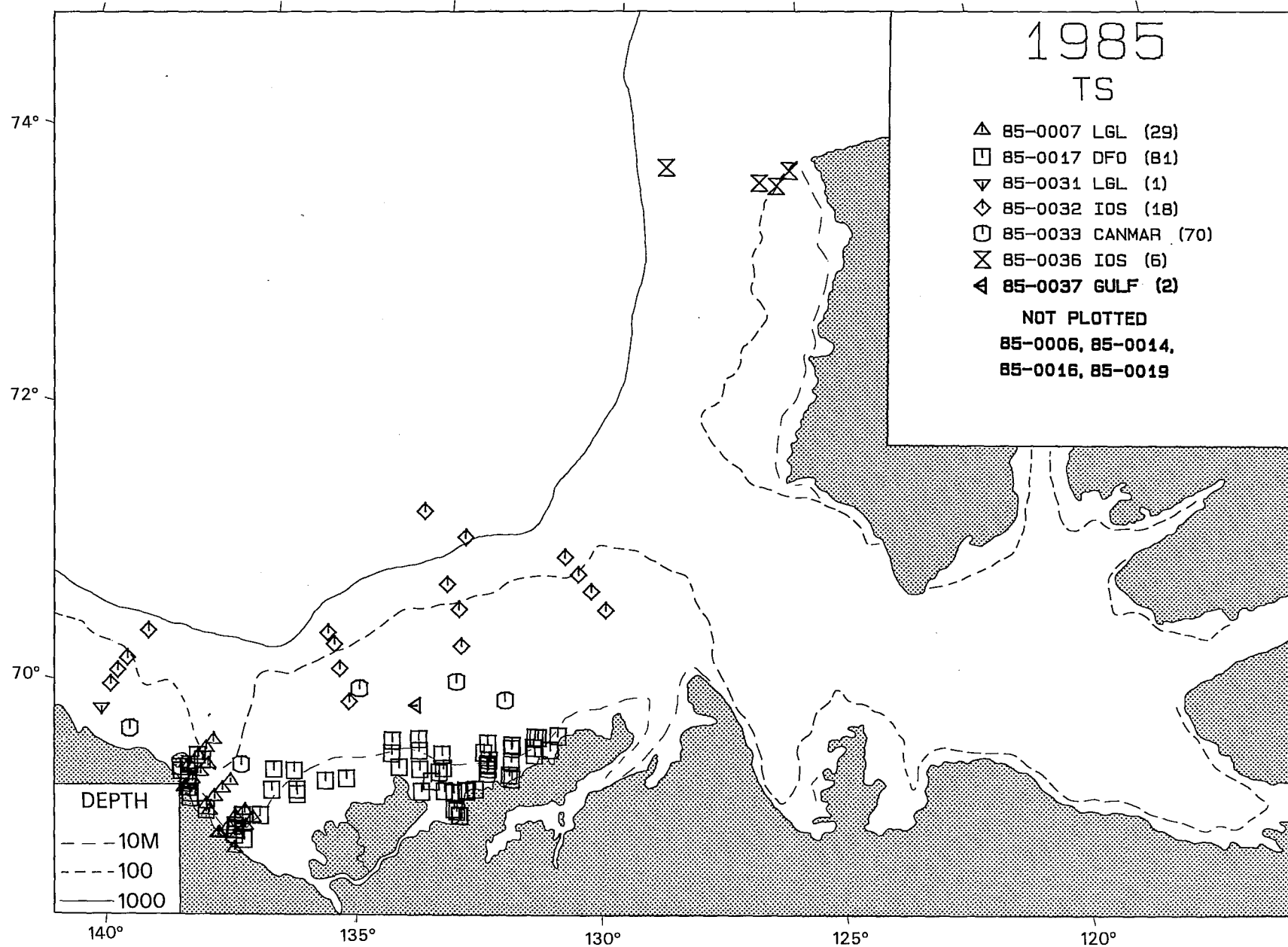
# 1985 TS

- △ 85-0007 LGL (29)
- 85-0017 DFO (81)
- ▽ 85-0031 LGL (1)
- ◇ 85-0032 IOS (18)
- 85-0033 CANMAR (70)
- ⊗ 85-0036 IOS (6)
- ◀ 85-0037 GULF (2)

NOT PLOTTED  
85-0006, 85-0014,  
85-0016, 85-0019

## DEPTH

--- 10M  
--- 100  
— 1000



1985  
TS

- △ 84-0049 MOORING (2)
- 85-0029 MOORING (5)
- ▽ 85-0033 MOORING (1)
- ◇ 85-0046 MOORING (1)

DEPTH

--- 10M  
--- 100  
--- 1000

74°

72°

70°

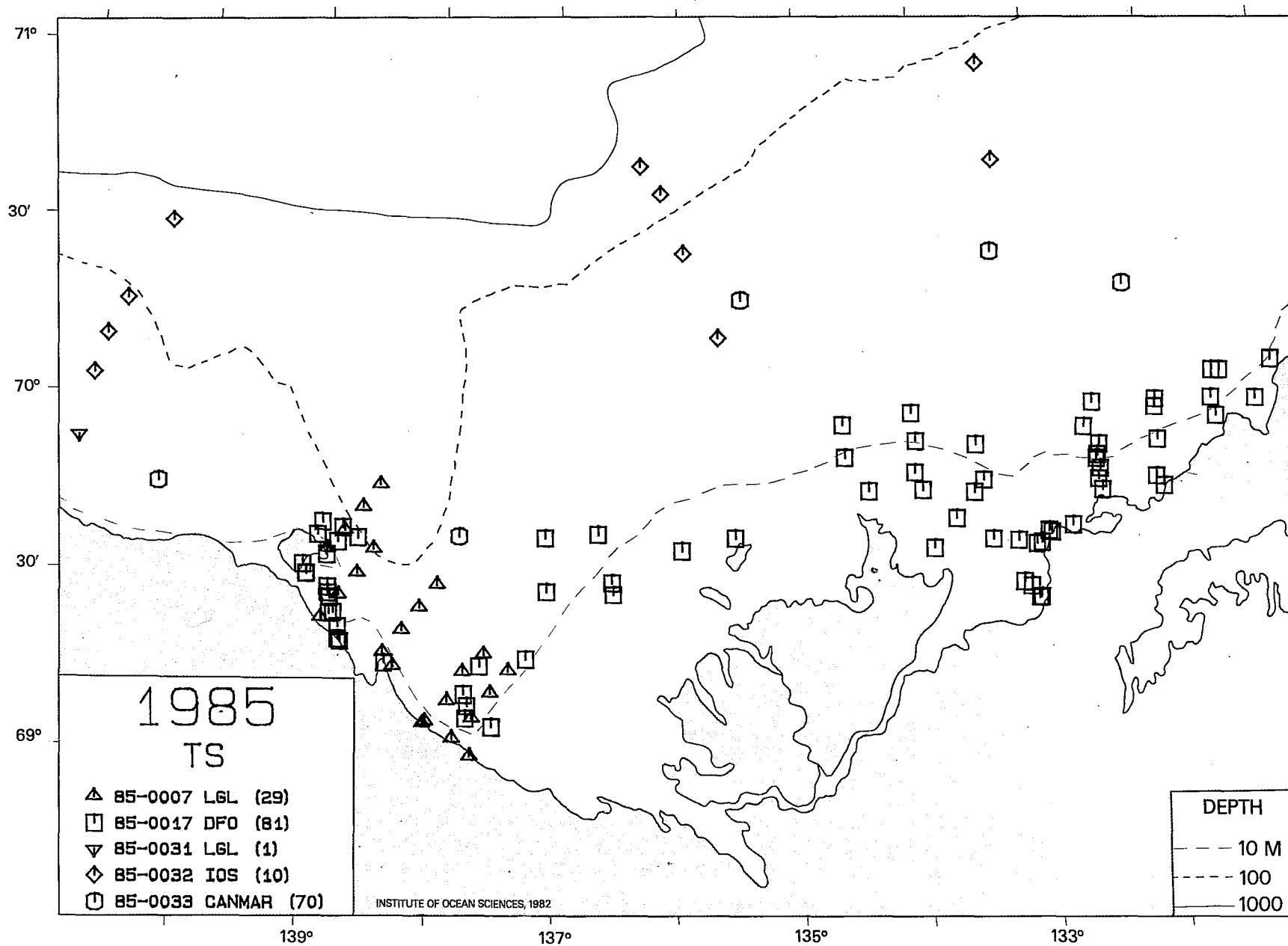
140°

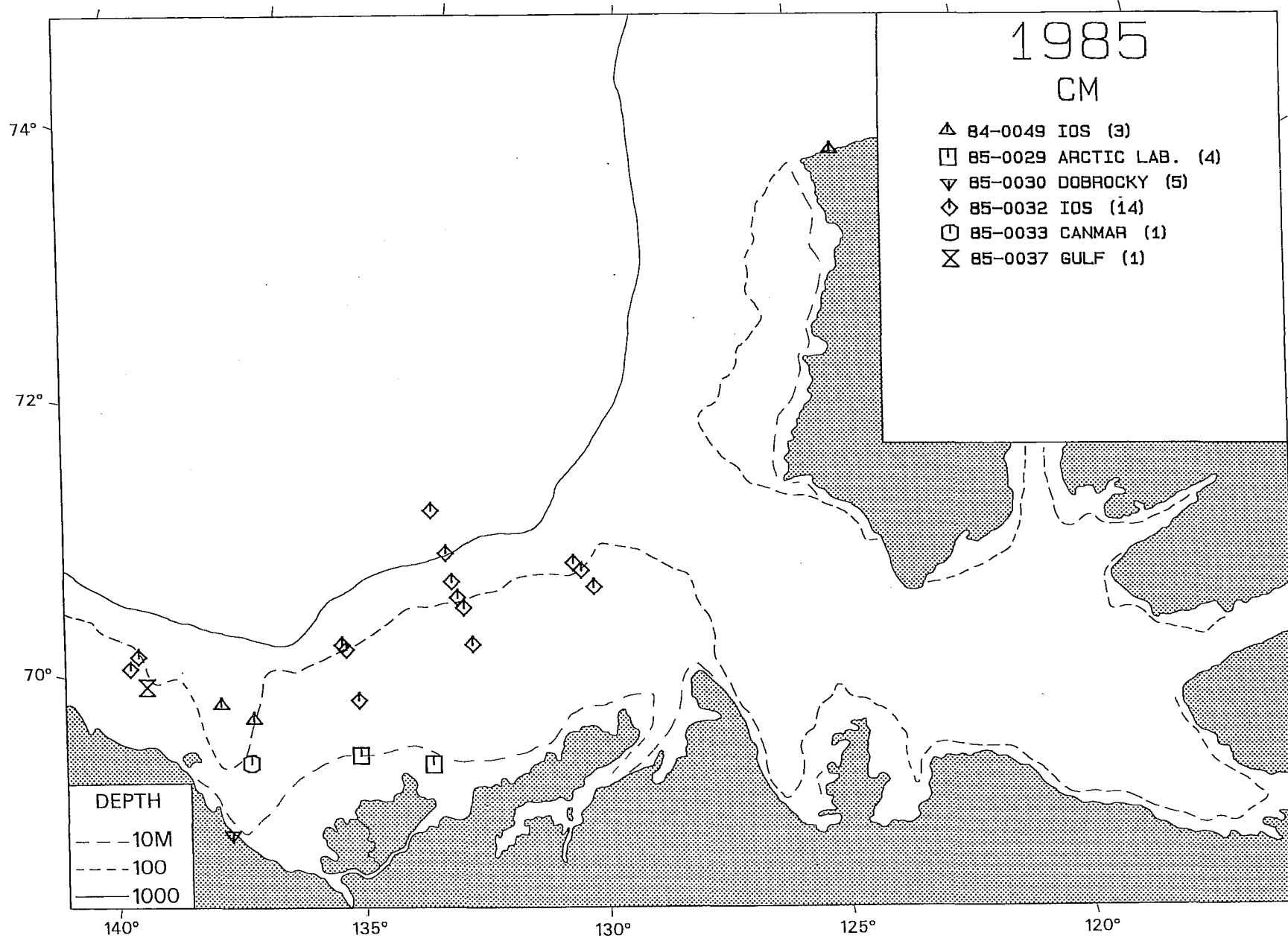
135°

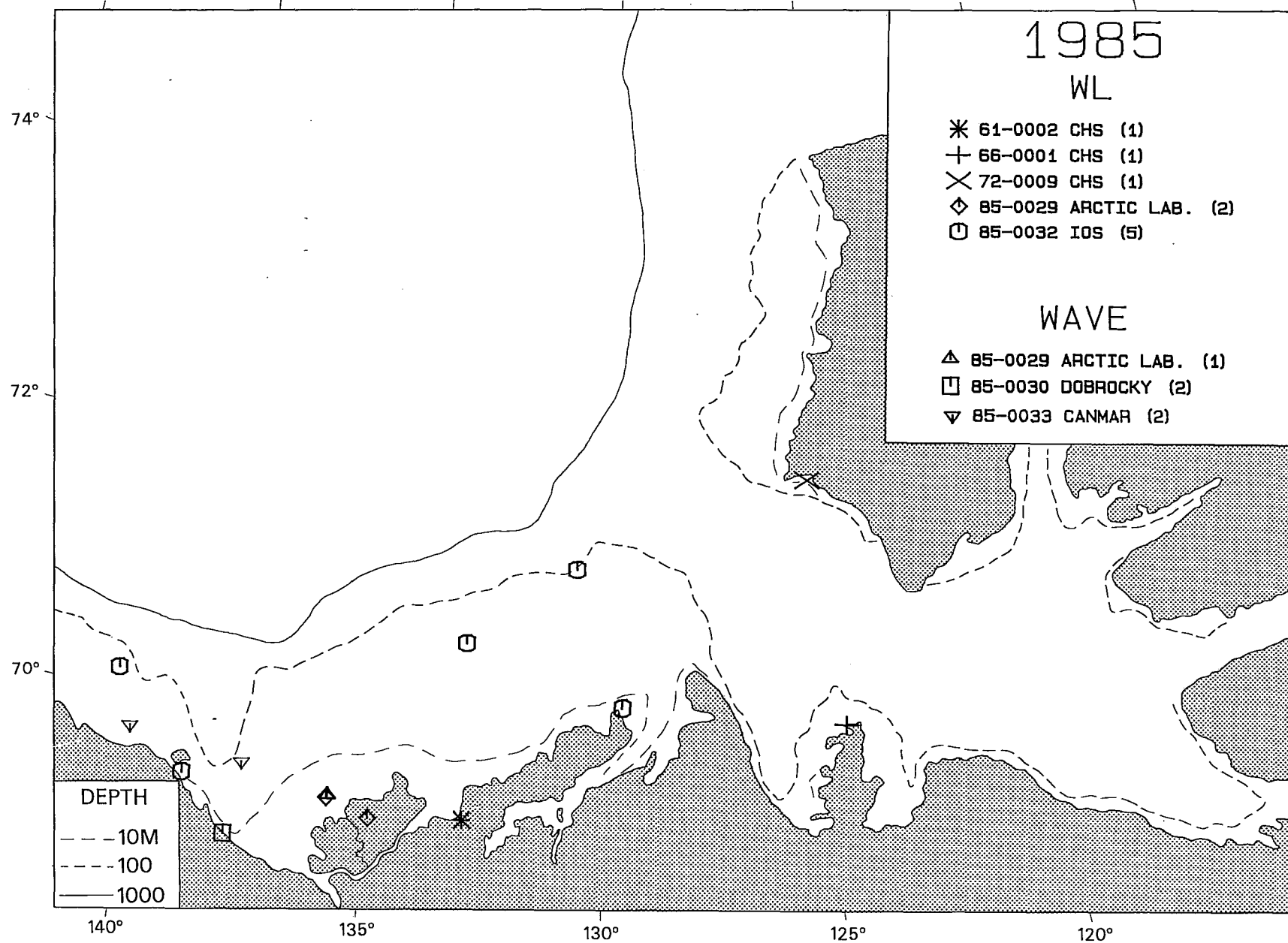
130°

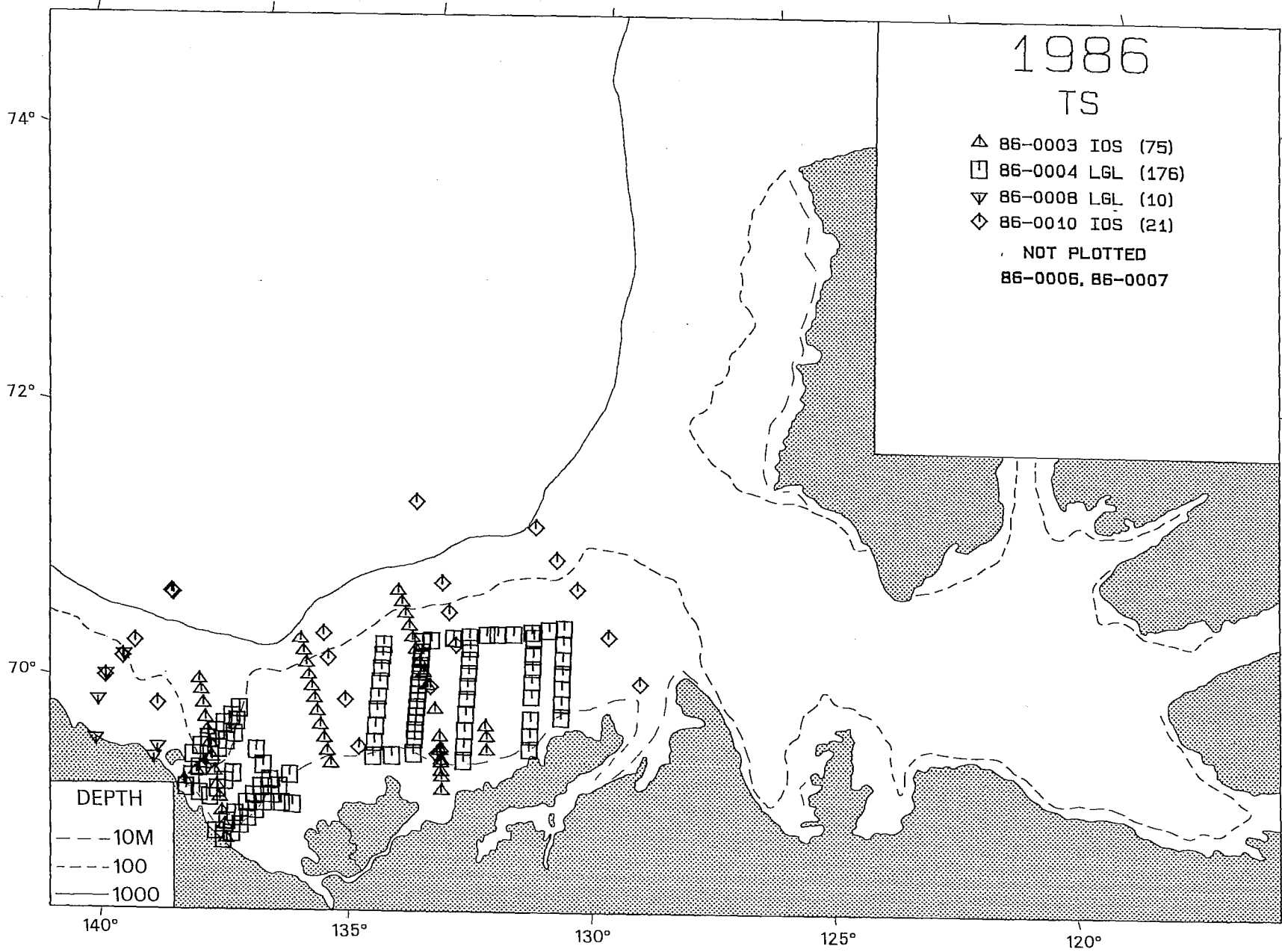
125°

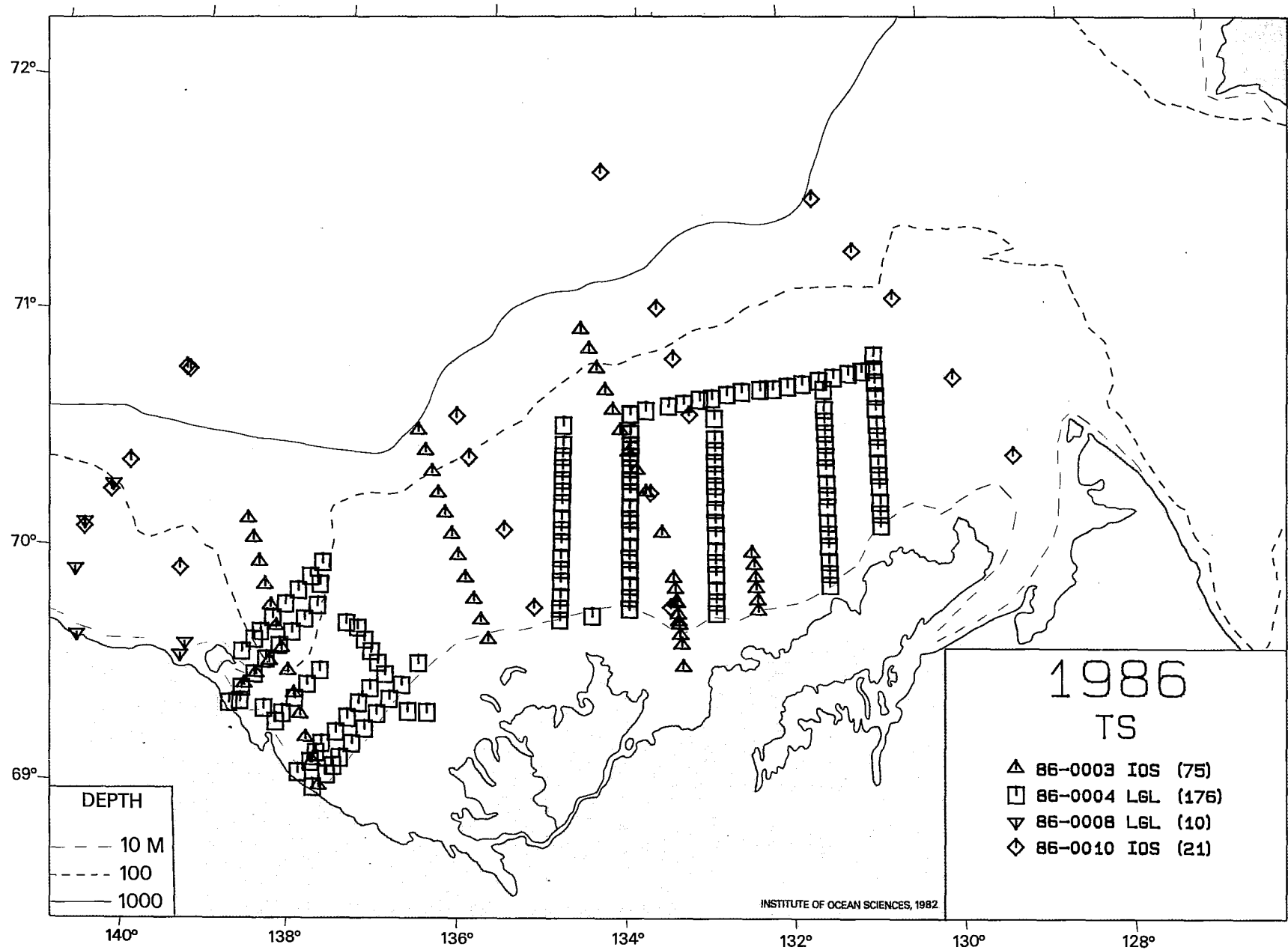
120°

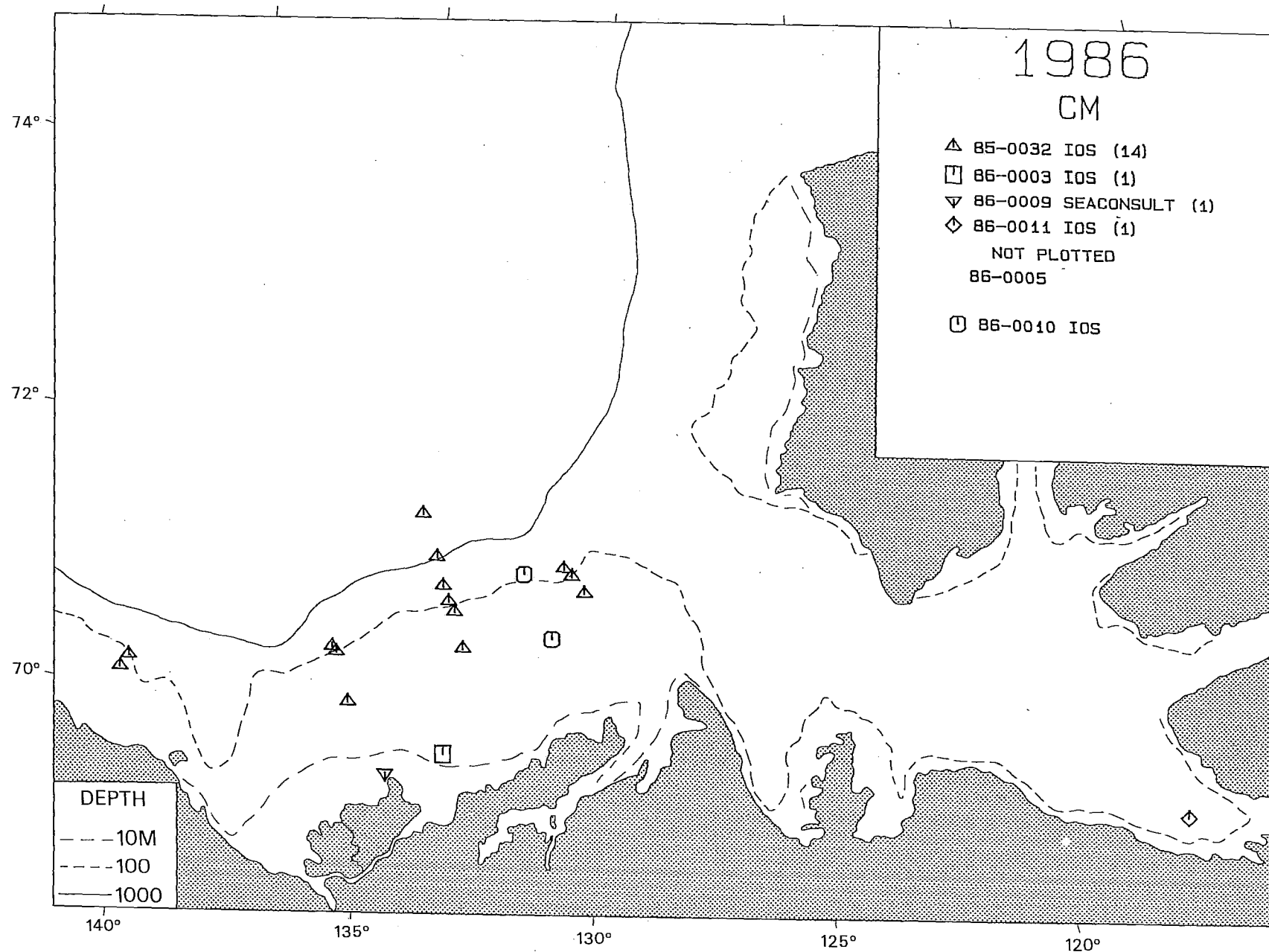




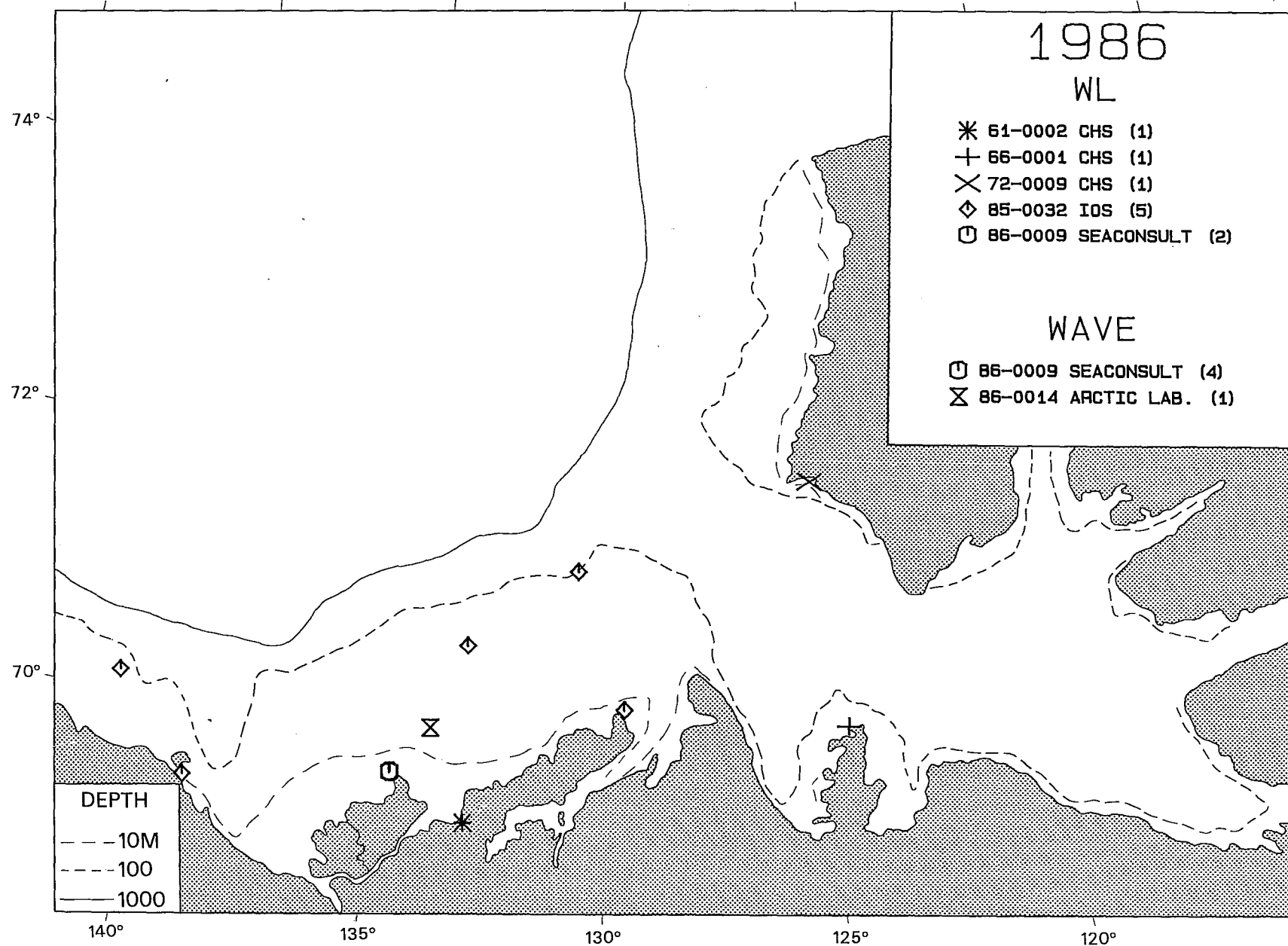












## 10. INDEXES

This section contains three indexes to the data sets. The first is a geographical index which provides a listing by sub-area. All data sets with any measurements in a particular sub-area (defined in Figure 1) are listed by I.D. number under that sub-area.

The second index classifies the data sets by measurement type, under the following headings:

Temperature and salinity-bottle	: measurements at discrete points in the water column, using bottle casts
Profiles of temperature and salinity	: measurements made with a profiling instrument such as a CTD
Water levels, bottom pressure	: measurements from shore-based tide stations or bottom-pressure gauges
Eulerian currents	: measurements of current velocity at a fixed point with a current meter
Lagrangian drift paths	: measurements of circulation using free-floating drifters
Waves	: measurements of waves at a fixed point.

The third index lists references for each data set by number. The data-set number appears at the left-hand side of the page, with references listed to the right. The main references are listed, followed by other interpretive or analytical references, indented with respect to the main references. The list of interpretive or analytical references may not be complete.

## 10.1 GEOGRAPHICAL INDEX

THETIS/ PHILLIPS BAYS	MACKENZIE BAY	KUGMALLIT BAY	MCKINLEY BAY	ESKIMO LAKES & LIVERPOOL BAY	AMUNDSEN GULF
35-0001	52-0001	33-0004	71-0002	61-0001	35-0001
51-0002	60-0003	56-0004	75-0008	62-0001	37-0001
52-0001	64-0003	59-0004	79-0010	71-0001	51-0002
60-0001	65-0001	61-0001	80-0016	71-0004	51-0004
60-0003	66-0002	61-0002		72-0004	52-0001
73-0004	66-0006	62-0002		72-0010	52-0004
74-0002	70-0004	62-0003		73-0003	53-0001
74-0004	70-0005	62-0004		74-0010	54-0001
74-0005	70-0071	63-0002		75-0003	54-0002
74-0006	72-0003	63-0003		75-0007	54-0003
75-0002	72-0004	64-0003		75-0008	55-0002
75-0003	72-0006	65-0001		75-0010	56-0001
75-0006	72-0007	66-0002		76-0002	57-0001
75-0007	72-0010	70-0003		77-0005	57-0002
75-0008	73-0001	70-0005		77-0035	59-0002
75-0009	73-0002	71-0001		81-0029	62-0001
85-0032	73-0023	72-0010			63-0001
	74-0001	73-0002			64-0001
	74-0002	74-0001			66-0001
	74-0003	74-0003			70-0002
	74-0004	74-0002			70-0004
	74-0005	74-0005			72-0010
	74-0019	74-0006			73-0004
	74-0021	74-0007B			74-0027A
	74-0020	74-0020			75-0001
	74-0022	75-0001			75-0026
	75-0002	75-0003			75-0028
	75-0003	75-0004			76-0002
	75-0004	75-0007			77-0003
	75-0006	75-0012			77-0005
	75-0008	75-0024			77-0035
	75-0011	76-0002			78-0114
	75-0024	76-0003			79-0001
	75-0025	76-0020			79-0005
	76-0002	77-0002			80-0001
	76-0004	77-0035			82-0003
	76-0020	78-0031			
	77-0001	80-0004			
	81-0018	81-0013			
	82-0094	81-0029			
	82-0095	83-0065			
	83-0047	84-0044			
	84-0045	85-0017			
	84-0049	86-0003			
	85-0007				
	85-0029				
	85-0030				
	86-0003				
	86-0009				

BANKS ISLAND SHELF	CONTINENTAL SLOPE	CANADA BASIN	WEST OF HERSCHEL ISLAND	TUKTOYAKTUK SHELF	
14-0002	50-0001	50-0001	35-0001	35-0001	77-0004
50-0001	51-0001	51-0001	52-0001	50-0001	77-0009B
51-0002	51-0002	54-0001	54-0002	51-0001	77-0123
52-0001	52-0001	54-0002	55-0001	51-0002	78-0001
52-0002	52-0002	55-0016	56-0001	52-0001	78-0002
54-0002	54-0001	56-0012	58-0001	52-0002	78-0018
54-0003	54-0002	59-0001	59-0002	54-0003	78-0113
72-0009	54-0003	59-0002	60-0001	55-0016	79-0001
75-0001	55-0001	60-0001	70-0002	56-0001	79-0002
81-0001	55-0016	69-0001	72-0001	57-0001	79-0003
85-0036	57-0001	70-0001	72-0118	57-0002	79-0007
	57-0002	70-0002	74-0002	58-0001	79-0009
	58-0001	70-0003	74-0007A	59-0002	79-0026
	59-0001	71-0003	74-0011	60-0001	80-0001
	59-0002	72-0001	74-0019	60-0002	80-0002
	60-0001	75-0005	75-0007	60-0003	80-0004
	60-0002	79-0001	75-0009	64-0002	80-0016
	69-0001	79-0002	75-0025	69-0001	80-0025
	70-0002	80-0001	77-0004	70-0001	80-0028
	72-0001	81-0001	79-0003	70-0002	81-0001
	74-0007A	81-0006	79-0004	70-0003	81-0002
	74-0008		85-0031	70-0004	81-0015
	75-0001		85-0032	71-0001	81-0016
	75-0012		85-0033	71-0002	81-0018
	79-0001		86-0008	72-0001	81-0027
	79-0002			72-0010	82-0097A
	80-0001			73-0001	82-0117
	81-0001			73-0002	82-0118
	82-0118			74-0001	83-0058
	85-0032			74-0002	83-0065
	85-0036			74-0003	83-0067
	86-0003			74-0004	83-0069
	86-0010			74-0005	83-0070
				74-0007A	84-0043
				74-0008	84-0044
				74-0126	84-0045
				75-0002	84-0046
				75-0003	84-0048
				75-0006	84-0049
				75-0007	85-0033
				75-0009	85-0037
				75-0146	86-0003
				76-0001	86-0004
				76-0003	86-0010
				76-0004	86-0014
				76-0020	
				76-0123	

## 10.2 MEASUREMENT TYPE

PROFILES OF TEMPER- ATURE & SALINITY	WATER LEVELS, BOTTOM PRESSURE	EULERIAN CURRENTS	LAGRANGIAN DRIFT PATHS	TEMPERATURE AND SALINITY -BOTTLE	WAVES	
72-0007	14-0002	70-0001	70-0003	35-0001	64-0001	70-0071
73-0002	33-0004	70-0003	74-0004	37-0001	64-0002	74-0126
74-0001	51-0004	70-0005	75-0001	50-0001	64-0004	75-0146
74-0003	52-0004	71-0003	75-0003	51-0001	69-0001	76-0001
74-0011	54-0001	73-0001	79-0002	51-0002	70-0001	76-0123
75-0001	55-0002	74-0001	79-0004	52-0001	70-0002	77-0004
75-0002	56-0004	74-0002	80-0001	52-0002	70-0003	77-0009
75-0004	59-0004	74-0003		53-0001	71-0001	77-0123
75-0005	61-0002	74-0005		54-0001	71-0003	78-0001
76-0001	63-0003	74-0019		54-0002	71-0004	78-0113
76-0003	64-0003	75-0001		54-0003	72-0001	79-0003
76-0004	65-0001	75-0004		55-0001	72-0004	79-0120
77-0001	66-0001	75-0007		55-0016	73-0001	80-0002
77-0004	66-0002	75-0011		56-0001	73-0003	81-0002
77-0009	70-0004	76-0001		57-0001	74-0002	82-0117
78-0001	71-0002	76-0003		57-0002	74-0007A	82-0118
78-0002	72-0009	77-0004		58-0001	74-0008	83-0067
78-0018	72-0010	77-0009		59-0001	74-0010	83-0069
79-0001	73-0004	78-0001		59-0002	74-0020	83-0070
79-0003	73-0019	79-0003		60-0001	75-0002	84-0045
79-0005	74-0005	79-0004		60-0002	75-0006	84-0046
79-0007	75-0007	79-0026		60-0003	75-0009	85-0029
79-0010	75-0008	80-0002		61-0001	75-0010	85-0030
80-0002	75-0011	80-0016		62-0001	75-0011	85-0033
80-0004	75-0042	81-0001		62-0002	75-0012	86-0009
81-0001	76-0002	81-0002		63-0001	75-0024	86-0014
	77-0005	81-0016		63-0002	77-0003	
	78-0114	82-0117		63-0003		
	79-0016	82-0118				
	80-0011	83-0067				
	81-0017	83-0069				
	82-0004	84-0029				
	82-0006	84-0045				
	83-0017	84-0048				
	84-0045	84-0049				
	84-0046	85-0029				
	85-0029	85-0030				
	85-0032	85-0032				
	86-0009	85-0033				
		85-0037				
		86-0003				
		86-0009				
		86-0011				

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# 11. DATA INVENTORY TABLE 2 - LISTINGS OF MEASUREMENT LOCATIONS AND OTHER PARAMETERS

This section contains detailed listings of measurement locations and times for each of the data sets plotted on the maps in Section 9. Drifter data and other data at unknown locations may not be listed. There are separate listings for temperature-salinity, current-meter, water-level and wave data. Listings are ordered by data-set number and sorted by date. An explanation of the format appears at the start of each listing. Only data collected within the area of this Inventory are listed here; measurements taken elsewhere may be found in the Inventories for those areas.

## 11.1 TEMPERATURE-SALINITY DATA

The listings contain the following information:

AREA	General area of station.
STN	Station number; wherever possible it is the station number assigned in the original data source.
LAT, LONG	In degrees and minutes.
YR	Year
MO	Month
DY	Day
HR	Hour; GMT unless specified otherwise
CAST TO	Maximum depth of data, in metres. Zero value implies a surface measurement.
WATER DEPTH	In metres, if available
PARAM MEAS	Parameters measured - conductivity, salinity or temperature, indicated by an 'X'. An 'X' under S indicates that salinity was measured by techniques such as titration. Most recent measurements are of the water conductivity ('X' under C), and salinity is then computed using the pressure, temperature and conductivity values.
INSTR	<p>Instruments type:</p> <p>AAND - Aanderaa current meter</p> <p>APL - Applied Physics Lab. CTD</p> <p>BECK - Beckman</p> <p>BISS - Bisset Berman STD</p> <p>BOTT - bottle sample</p> <p>CT12 - Applied Microsystems CTD-12</p> <p>GLDL - Guildline CTD</p> <p>HYD - Hydrometer</p> <p>HYDR - Hydrolab CT meter</p> <p>HYT - Hytech induction salinometer</p> <p>INTO - Interocean CTD</p> <p>MART - Martec data logger</p> <p>NB - Neil Brown</p> <p>RS5 - Beckman RS5</p> <p>ST12 - Applied Microsystems STD-12, with transmissometer</p> <p>TC-2 - Hydrolab TC-2 analogue meter</p> <p>YSI - Yellow Springs Instruments Co.</p> <p>4021 - Hydrolab 4021 digital meter</p> <p>? - Instrument type is unknown</p>
INT(HR)	The time period between repetitive sampling at the same station.
NO	The number of repetitive samples.

Blank entries generally indicate that this heading is inapplicable in this case. For example, the headings "INT HR" and "NO" are only used for repetitive casts. A '?' under a heading, such as water depth, means that this information was never entered into our data base. The information is often available however, usually in the reference our source cited in section 10.3.

BOTTLE/CTD DATA SET NUMBER: 35-0001  
 YEAR:1935 VESSEL/AGENCY: ST. ROCHE

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
YUKON COAST		69 45.	140 45.	35 08 04 ?	0	?	X X	BOTT	
YUKON COAST		69 45.	140 40.	35 08 05 ?	0	?	X X	BOTT	
YUKON COAST		69 45.	140 40.	35 08 06 ?	0	?	X X	BOTT	
YUKON COAST		69 40.	140 00.	35 08 08 ?	0	?	X X	BOTT	
YUKON COAST		69 40.	139 00.	35 08 09 ?	0	?	X X	BOTT	
MACKENZIE BAY		69 38.	138 30.	35 08 14 ?	0	?	X X	BOTT	
MACKENZIE BAY		69 32.	138 50.	35 08 15 ?	0	?	X X	BOTT	
TUK. SHELF		70 17.	130 45.	35 08 16 ?	0	?	X X	BOTT	
AMUNDSEN GULF		70 28.	126 20.	35 08 28 ?	0	?	X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 37-0001  
 YEAR:1937 VESSEL/AGENCY: ST. ROCHE

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
DOLPHIN-UNION		69 07.	116 00.	37 08 16 ?	0	?	X X	BOTT	
AMUNDSEN GULF		69 39.	120 28.	37 08 17 ?	0	?	X X	BOTT	
AMUNDSEN GULF		69 53.	122 50.	37 08 17 ?	0	?	X X	BOTT	
BEAUFORT SEA		70 36.	128 20.	37 08 18 ?	0	?	X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 50-0001  
 YEAR:1950 VESSEL/AGENCY: BURTON ISLAND

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	34	70 19.00	138 24.00	50 08 19 08	?	365	X X	BOTT	
BEAUFORT SEA	35	70 36.00	135 50.00	50 08 19 14	?	73	X X	BOTT	
BEAUFORT SEA	36	71 03.00	133 05.00	50 08 19 19	?	137	X X	BOTT	
BEAUFORT SEA	37	71 31.00	130 02.00	50 08 20 00	?	201	X X	BOTT	
BEAUFORT SEA	38	71 38.00	129 06.00	50 08 20 02	?	298	X X	BOTT	
BEAUFORT SEA	39	71 49.00	127 55.00	50 08 20 06	?	420	X X	BOTT	
BEAUFORT SEA	40	71 57.00	126 58.00	50 08 20 08	?	420	X X	BOTT	
BEAUFORT SEA	41	72 02.00	126 17.00	50 08 20 11	?	31	X X	BOTT	
BEAUFORT SEA	42	71 56.00	125 42.00	50 08 20 14	?	71	X X	BOTT	
BEAUFORT SEA	44	71 54.00	126 32.00	50 08 20 16	?	375	X X	BOTT	
BEAUFORT SEA	45	72 18.00	126 33.00	50 08 21 20	?	34	X X	BOTT	
BEAUFORT SEA	46	72 18.00	127 41.00	50 08 21 23	?	223	X X	BOTT	
BEAUFORT SEA	47	72 25.00	128 45.00	50 08 22 02	?	333	X X	BOTT	
BEAUFORT SEA	48	72 04.00	130 01.00	50 08 22 05	?	365	X X	BOTT	
BEAUFORT SEA	49	71 45.00	131 29.00	50 08 22 16	?	878	X X	BOTT	
BEAUFORT SEA	50	71 24.00	132 55.00	50 08 22 21	?	1280	X X	BOTT	
BEAUFORT SEA	51	71 50.00	134 26.00	50 08 23 04	?	1865	X X	BOTT	
BEAUFORT SEA	52	71 38.00	137 16.00	50 08 23 12	?	2050	X X	BOTT	
BEAUFORT SEA	53	72 03.00	137 32.00	50 08 23 20	?	2360	X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 51-0001  
 YEAR:1951 VESSEL/AGENCY: BURTON ISLAND

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	63	70 14.00	139 13.00	51 09 14 13	400	435	X X	BOTT	
BEAUFORT SEA	64	70 17.00	137 42.00	51 09 14 18	70	73	X X	BOTT	
BEAUFORT SEA	65	70 36.00	136 00.00	51 09 14 23	200	206	X X	BOTT	
BEAUFORT SEA	66	70 53.00	134 16.00	51 09 15 04	95	104	X X	BOTT	
BEAUFORT SEA	67	70 58.00	134 26.00	51 09 15 06	275	287	X X	BOTT	
BEAUFORT SEA	68	71 04.00	134 54.00	51 09 15 07	450	457	X X	BOTT	
BEAUFORT SEA	69	71 14.00	134 48.00	51 09 15 10	925	951	X X	BOTT	
BEAUFORT SEA	70	71 28.00	135 06.00	51 09 15 14	1555	1646	X X	BOTT	
BEAUFORT SEA	71	71 48.00	135 46.00	51 09 15 19	?	201	X X	BOTT	
BEAUFORT SEA	72	72 21.00	136 33.00	51 09 16 02	1417	2551	X X	BOTT	
BEAUFORT SEA	73	72 46.00	134 52.00	51 09 16 11	1556	2515	X X	BOTT	
BEAUFORT SEA	74	72 41.00	132 02.00	51 09 16 19	1580	2066	X X	BOTT	
BEAUFORT SEA	75	73 41.00	129 42.00	51 09 17 02	770	1024	X X	BOTT	
BEAUFORT SEA	76	72 24.00	129 25.00	51 09 17 10	400	420	X X	BOTT	
BEAUFORT SEA	77	72 41.00	128 16.00	51 09 17 14	200	212	X X	BOTT	
BEAUFORT SEA	78	72 57.00	126 58.00	51 09 17 19	130	135	X X	BOTT	
BEAUFORT SEA	79	71 29.00	128 32.00	51 09 18 00	190	193	X X	BOTT	
BEAUFORT SEA	80	71 40.00	126 44.00	51 09 18 14	410	426	X X	BOTT	
BEAUFORT SEA	81	71 52.00	126 33.00	51 09 18 17	173	182	X X	BOTT	
BEAUFORT SEA	82	72 00.00	128 54.00	51 09 19 00	350	374	X X	BOTT	
BEAUFORT SEA	83	71 42.00	130 49.00	51 09 19 07	470	549	X X	BOTT	
BEAUFORT SEA	84	71 58.00	132 20.00	51 09 19 11	1385	1408	X X	BOTT	
BEAUFORT SEA	85	72 08.00	134 21.00	51 09 19 17	1585	3035	X X	BOTT	
BEAUFORT SEA	86	72 30.00	139 46.00	51 09 20 10	1500	2000	X X	BOTT	
BEAUFORT SEA	89	71 58.00	139 10.00	51 09 20 19	1271	2633	X X	BOTT	
BEAUFORT SEA	90	71 27.00	139 14.00	51 09 21 01	1300	2213	X X	BOTT	
BEAUFORT SEA	91	71 01.00	139 37.00	51 09 21 05	1245	1975	X X	BOTT	
BEAUFORT SEA	92	70 32.00	139 24.00	51 09 21 11	800	878	X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 51-0002  
 YEAR:1951 VESSEL/AGENCY: CANCOLIM II

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE BAY	69	32.00	138 49.00	51 08 20 06	?	10	X X	BOTT	
MACKENZIE BAY	69	33.00	138 14.00	51 08 20 09	?	115	X X	BOTT	
MACKENZIE BAY	69	48.00	138 15.00	51 08 20 12	?	181	X X	BOTT	
MACKENZIE BAY	69	58.00	138 32.00	51 08 20 14	?	252	X X	BOTT	
MACKENZIE BAY	70	08.00	138 49.00	51 08 20 16	?	358	X X	BOTT	
MACKENZIE BAY	70	21.00	139 08.00	51 08 20 21	?	577	X X	BOTT	
MACKENZIE BAY	69	46.00	139 42.00	51 08 21 02	?	34	X X	BOTT	
MACKENZIE BAY	69	51.00	139 08.00	51 08 21 05	?	54	X X	BOTT	
MACKENZIE BAY	70	04.00	138 06.00	51 08 21 10	?	201	X X	BOTT	
MACKENZIE BAY	70	07.00	137 30.00	51 08 21 13	?	49	X X	BOTT	
MACKENZIE BAY	69	53.00	134 00.00	51 08 22 11	?	9	X X	BOTT	
BEAUFORT SEA	70	40.00	128 15.00	51 08 24 21	?	20	X X	BOTT	
BEAUFORT SEA	71	06.00	127 13.00	51 08 25 03	?	217	X X	BOTT	
BEAUFORT SEA	71	30.00	126 12.00	51 08 25 08	?	455	X X	BOTT	
BEAUFORT SEA	71	52.00	125 19.00	51 08 25 13	?	131	X X	BOTT	
BEAUFORT SEA	72	51.00	127 04.00	51 08 26 02	?	175	X X	BOTT	
BEAUFORT SEA	73	21.00	126 00.00	51 08 26 11	?	95	X X	BOTT	
BEAUFORT SEA	72	41.00	125 34.00	51 08 27 00	?	18	X X	BOTT	
BEAUFORT SEA	71	53.00	126 00.00	51 08 27 11	?	12	X X	BOTT	
BEAUFORT SEA	71	39.00	125 21.00	51 08 28 11	?	263	X X	BOTT	
AMUNDSEN GULF	69	37.00	117 11.00	51 08 31 16	?	182	X X	BOTT	
AMUNDSEN GULF	69	24.00	117 55.00	51 08 31 22	?	395	X X	BOTT	
AMUNDSEN GULF	69	14.00	118 26.00	51 09 01 00	?	117	X X	BOTT	
AMUNDSEN GULF	69	23.00	119 26.00	51 09 01 06	?	85	X X	BOTT	
AMUNDSEN GULF	69	29.00	119 31.00	51 09 01 08	?	193	X X	BOTT	
AMUNDSEN GULF	69	54.00	119 50.00	51 09 01 12	?	482	X X	BOTT	
AMUNDSEN GULF	70	24.00	120 13.00	51 09 01 18	?	343	X X	BOTT	
AMUNDSEN GULF	71	02.00	120 40.00	51 09 02 00	?	208	X X	BOTT	

AMUNDSEN	GULF	71	18.00	120	53.00	51	09	02	03	?	120	X	X	BOTT
AMUNDSEN	GULF	71	23.00	121	28.00	51	09	02	07	?	10	X	X	BOTT
AMUNDSEN	GULF	71	19.00	121	16.00	51	09	03	01	?	32	X	X	BOTT
AMUNDSEN	GULF	71	13.00	120	08.00	51	09	03	07	?	160	X	X	BOTT
AMUNDSEN	GULF	71	06.00	119	25.00	51	09	03	09	?	153	X	X	BOTT
AMUNDSEN	GULF	71	00.00	118	43.00	51	09	03	12	?	117	X	X	BOTT
AMUNDSEN	GULF	71	04.00	122	48.00	51	09	04	19	?	10	X	X	BOTT
AMUNDSEN	GULF	71	01.00	123	01.00	51	09	04	21	?	250	X	X	BOTT
AMUNDSEN	GULF	70	50.00	123	40.00	51	09	05	01	?	539	X	X	BOTT
BEAUFORT	SEA	70	23.00	129	27.00	51	09	06	00	?	9	X	X	BOTT
BEAUFORT	SEA	69	48.00	135	12.00	51	09	12	00	?	9	X	X	BOTT
BEAUFORT	SEA	70	04.00	135	39.00	51	09	12	04	?	36	X	X	BOTT
BEAUFORT	SEA	70	24.00	136	15.00	51	09	12	08	?	54	X	X	BOTT
BEAUFORT	SEA	70	36.00	136	38.00	51	09	12	11	?	731	X	X	BOTT
BEAUFORT	SEA	70	15.00	138	12.00	51	09	15	19	?	356	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 52-0001  
 YEAR: 1952 VESSEL/AGENCY: CANCOLIM II

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR					
BEAUFORT	SEA	69	39.60	133	12.50	52	07	18	22	?	5	X	X	BOTT
BEAUFORT	SEA	69	39.60	133	12.50	52	07	19	05	?	5	X	X	BOTT
BEAUFORT	SEA	69	39.60	133	12.50	52	07	19	11	?	5	X	X	BOTT
BEAUFORT	SEA	69	39.60	133	12.50	52	07	19	15	?	5	X	X	BOTT
BEAUFORT	SEA	69	39.60	133	12.50	52	07	19	20	?	5	X	X	BOTT
BEAUFORT	SEA	69	39.60	133	12.50	52	07	20	00	?	5	X	X	BOTT
BEAUFORT	SEA	69	36.90	133	00.40	52	07	20	01	?	7	X	X	BOTT
BEAUFORT	SEA	69	42.20	133	11.20	52	07	20	02	?	7	X	X	BOTT
BEAUFORT	SEA	69	48.60	133	03.50	52	07	20	03	?	7	X	X	BOTT
BEAUFORT	SEA	69	48.30	133	18.50	52	07	20	04	?	10	X	X	BOTT
BEAUFORT	SEA	69	43.50	133	29.50	52	07	20	07	?	16	X	X	BOTT
BEAUFORT	SEA	69	50.20	134	11.00	52	07	20	10	?	7	X	X	BOTT
BEAUFORT	SEA	69	45.50	134	31.50	52	07	20	12	?	7	X	X	BOTT
BEAUFORT	SEA	69	44.00	133	45.00	52	07	20	13	?	5	X	X	BOTT
BEAUFORT	SEA	69	45.00	134	45.00	52	07	21	02	?	5	X	X	BOTT
BEAUFORT	SEA	69	49.20	134	16.90	52	07	21	07	?	7	X	X	BOTT
BEAUFORT	SEA	69	49.80	134	58.00	52	07	21	08	?	5	X	X	BOTT
BEAUFORT	SEA	69	47.20	133	42.00	52	07	21	09	?	5	X	X	BOTT
BEAUFORT	SEA	69	44.60	133	26.00	52	07	21	10	?	7	X	X	BOTT
BEAUFORT	SEA	69	42.10	133	10.80	52	07	21	11	?	7	X	X	BOTT
BEAUFORT	SEA	69	37.70	133	59.90	52	07	21	12	?	10	X	X	BOTT
BEAUFORT	SEA	69	34.80	133	09.00	52	07	21	13	?	5	X	X	BOTT
BEAUFORT	SEA	69	27.30	133	02.20	52	07	25	17	?	10	X	X	BOTT
BEAUFORT	SEA	69	27.30	133	02.20	52	07	25	21	?	5	X	X	BOTT
BEAUFORT	SEA	69	29.00	133	07.10	52	07	26	17	?	5	X	X	BOTT
BEAUFORT	SEA	69	32.00	133	11.10	52	07	26	18	?	3	X	X	BOTT
BEAUFORT	SEA	69	34.90	133	12.00	52	07	26	18	?	3	X	X	BOTT
BEAUFORT	SEA	69	39.00	133	17.50	52	07	26	19	?	3	X	X	BOTT
BEAUFORT	SEA	69	40.00	133	32.50	52	07	26	21	?	5	X	X	BOTT
BEAUFORT	SEA	69	40.00	133	47.90	52	07	26	21	?	5	X	X	BOTT
BEAUFORT	SEA	69	40.00	134	02.00	52	07	27	01	?	7	X	X	BOTT
BEAUFORT	SEA	69	47.90	133	56.00	52	07	27	03	?	5	X	X	BOTT
BEAUFORT	SEA	69	43.80	133	47.30	52	07	27	05	?	5	X	X	BOTT
BEAUFORT	SEA	69	40.70	133	16.00	52	07	27	07	?	5	X	X	BOTT
BEAUFORT	SEA	69	40.40	132	59.00	52	07	27	08	?	5	X	X	BOTT
BEAUFORT	SEA	69	49.90	132	42.90	52	07	27	17	?	10	X	X	BOTT
BEAUFORT	SEA	69	52.50	132	15.90	52	07	27	19	?	14	X	X	BOTT
BEAUFORT	SEA	70	03.80	131	40.20	52	07	27	21	?	14	X	X	BOTT
BEAUFORT	SEA	70	11.80	131	03.10	52	07	27	23	?	14	X	X	BOTT
BEAUFORT	SEA	70	23.30	130	16.90	52	07	28	01	?	14	X	X	BOTT
BEAUFORT	SEA	70	29.80	129	43.90	52	07	28	04	?	14	X	X	BOTT
BEAUFORT	SEA	70	38.00	129	00.00	52	07	28	06	?	16	X	X	BOTT
BEAUFORT	SEA	70	40.00	128	10.00	52	07	28	09	?	21	X	X	BOTT
BEAUFORT	SEA	70	40.00	128	10.00	52	07	28	13	?	23	X	X	BOTT
BEAUFORT	SEA	70	40.00	128	10.00	52	07	28	15	?	23	X	X	BOTT
BEAUFORT	SEA	70	40.00	128	10.00	52	07	28	18	?	23	X	X	BOTT
BEAUFORT	SEA	70	40.00	128	10.00	52	07	28	23	?	23	X	X	BOTT
BEAUFORT	SEA	70	40.00	128	10.00	52	07	29	01	?	23	X	X	BOTT
BEAUFORT	SEA	70	40.00	128	10.00	52	07	29	05	?	23	X	X	BOTT
BEAUFORT	SEA	70	31.00	128	19.00	52	07	30	07	?	5	X	X	BOTT
BEAUFORT	SEA	70	39.80	128	10.50	52	07	30	19	?	21	X	X	BOTT
BEAUFORT	SEA	70	45.00	127	57.50	52	07	30	20	?	62	X	X	BOTT
BEAUFORT	SEA	70	56.30	127	28.00	52	07	30	23	?	149	X	X	BOTT

BEAUFORT	SEA	71	08.10	126	58.10	52	07	31	02	?	277	X	X	BOTT
BEAUFORT	SEA	71	20.10	126	27.90	52	07	31	06	?	427	X	X	BOTT
BEAUFORT	SEA	71	31.80	125	56.40	52	07	31	11	?	365	X	X	BOTT
BEAUFORT	SEA	71	43.20	125	27.00	52	07	31	14	?	219	X	X	BOTT
BEAUFORT	SEA	71	48.20	125	13.00	52	07	31	16	?	179	X	X	BOTT
BEAUFORT	SEA	71	56.80	125	58.50	52	07	31	19	?	25	X	X	BOTT
BEAUFORT	SEA	71	56.80	125	58.50	52	08	02	18	?	21	X	X	BOTT
BEAUFORT	SEA	71	57.80	125	59.00	52	08	02	19	?	21	X	X	BOTT
BEAUFORT	SEA	71	57.20	126	00.00	52	08	02	20	?	21	X	X	BOTT
BEAUFORT	SEA	71	54.00	126	00.50	52	08	02	21	?	151	X	X	BOTT
BEAUFORT	SEA	71	54.70	126	35.50	52	08	02	23	?	212	X	X	BOTT
BEAUFORT	SEA	71	54.80	127	10.50	52	08	03	01	?	402	X	X	BOTT
BEAUFORT	SEA	71	54.20	127	43.00	52	08	03	04	?	380	X	X	BOTT
BEAUFORT	SEA	71	55.50	128	16.00	52	08	03	07	?	373	X	X	BOTT
BEAUFORT	SEA	72	05.80	128	16.20	52	08	03	11	?	365	X	X	BOTT
BEAUFORT	SEA	72	16.00	128	17.00	52	08	03	14	?	336	X	X	BOTT
BEAUFORT	SEA	72	26.30	128	17.30	52	08	03	17	?	277	X	X	BOTT
BEAUFORT	SEA	72	51.20	128	17.70	52	08	03	22	?	373	X	X	BOTT
BEAUFORT	SEA	69	39.00	133	12.00	52	08	08	07	?	5	X	X	BOTT
BEAUFORT	SEA	70	00.70	133	08.60	52	08	08	10	?	18	X	X	BOTT
BEAUFORT	SEA	70	22.50	133	05.30	52	08	08	12	?	32	X	X	BOTT
BEAUFORT	SEA	70	44.80	132	58.80	52	08	08	15	?	58	X	X	BOTT
BEAUFORT	SEA	71	05.80	132	54.70	52	08	08	18	?	173	X	X	BOTT
BEAUFORT	SEA	71	15.60	132	04.90	52	08	08	22	?	193	X	X	BOTT
BEAUFORT	SEA	71	22.00	131	08.40	52	08	09	03	?	466	X	X	BOTT
BEAUFORT	SEA	71	01.20	130	48.70	52	08	09	07	?	45	X	X	BOTT
BEAUFORT	SEA	70	41.30	130	45.90	52	08	09	11	?	32	X	X	BOTT
BEAUFORT	SEA	70	21.10	130	42.90	52	08	09	13	?	18	X	X	BOTT
BEAUFORT	SEA	70	14.20	130	59.80	52	08	09	15	?	14	X	X	BOTT
BEAUFORT	SEA	70	05.90	131	50.40	52	08	09	18	?	20	X	X	BOTT
BEAUFORT	SEA	69	57.70	133	22.90	52	08	09	22	?	21	X	X	BOTT
BEAUFORT	SEA	69	52.10	134	17.50	52	08	10	00	?	9	X	X	BOTT
BEAUFORT	SEA	69	49.40	135	07.00	52	08	10	03	?	12	X	X	BOTT
BEAUFORT	SEA	70	10.00	135	06.90	52	08	10	05	?	49	X	X	BOTT
BEAUFORT	SEA	70	30.60	135	06.90	52	08	10	08	?	56	X	X	BOTT
BEAUFORT	SEA	70	45.60	135	05.00	52	08	10	12	?	87	X	X	BOTT
BEAUFORT	SEA	70	10.50	135	56.10	52	08	10	19	?	47	X	X	BOTT
BEAUFORT	SEA	70	00.50	136	58.00	52	08	11	00	?	43	X	X	BOTT
BEAUFORT	SEA	70	18.40	136	56.70	52	08	11	04	?	228	X	X	BOTT
BEAUFORT	SEA	69	45.30	137	01.30	52	08	11	10	?	31	X	X	BOTT
BEAUFORT	SEA	69	30.10	137	04.00	52	08	11	12	?	18	X	X	BOTT
BEAUFORT	SEA	69	30.70	137	45.50	52	08	11	14	?	58	X	X	BOTT
BEAUFORT	SEA	69	31.30	138	48.00	52	08	11	17	?	14	X	X	BOTT
BEAUFORT	SEA	69	25.00	138	14.00	52	08	14	07	?	56	X	X	BOTT
BEAUFORT	SEA	69	18.80	137	24.00	52	08	14	10	?	14	X	X	BOTT
BEAUFORT	SEA	69	31.00	137	01.00	52	08	14	14	?	18	X	X	BOTT
BEAUFORT	SEA	69	31.00	137	01.00	52	08	14	18	?	18	X	X	BOTT
BEAUFORT	SEA	69	31.00	137	01.00	52	08	14	23	?	18	X	X	BOTT
BEAUFORT	SEA	69	31.00	137	01.00	52	08	15	02	?	18	X	X	BOTT
BEAUFORT	SEA	69	31.00	137	01.00	52	08	15	07	?	18	X	X	BOTT
BEAUFORT	SEA	69	31.00	137	01.00	52	08	15	11	?	18	X	X	BOTT
BEAUFORT	SEA	69	31.00	137	01.00	52	08	15	14	?	18	X	X	BOTT
BEAUFORT	SEA	69	31.00	137	01.00	52	08	15	18	?	18	X	X	BOTT
BEAUFORT	SEA	69	30.50	136	26.00	52	08	15	21	?	7	X	X	BOTT
BEAUFORT	SEA	69	25.80	136	45.00	52	08	15	22	?	7	X	X	BOTT
BEAUFORT	SEA	69	18.00	137	14.50	52	08	16	00	?	16	X	X	BOTT
BEAUFORT	SEA	69	11.30	137	40.00	52	08	16	02	?	23	X	X	BOTT
BEAUFORT	SEA	69	15.10	137	58.00	52	08	16	03	?	36	X	X	BOTT
BEAUFORT	SEA	69	23.20	138	21.50	52	08	16	05	?	29	X	X	BOTT
BEAUFORT	SEA	69	26.00	138	45.80	52	08	16	07	?	16	X	X	BOTT
BEAUFORT	SEA	69	44.00	138	50.00	52	08	16	09	?	87	X	X	BOTT
BEAUFORT	SEA	69	56.80	138	52.50	52	08	16	12	?	204	X	X	BOTT
BEAUFORT	SEA	69	24.00	138	48.90	52	08	16	18	?	78	X	X	BOTT
BEAUFORT	SEA	69	30.80	138	15.30	52	08	17	00	?	16	X	X	BOTT
BEAUFORT	SEA	69	45.00	138	23.00	52	08	17	01	?	148	X	X	BOTT
BEAUFORT	SEA	69	30.40	137	46.90	52	08	17	03	?	45	X	X	BOTT
BEAUFORT	SEA	69	30.40	136	55.50	52	08	17	05	?	20	X	X	BOTT
BEAUFORT	SEA	69	32.10	136	15.00	52	08	17	07	?	7	X	X	BOTT
BEAUFORT	SEA	69	42.30	135	45.50	52	08	17	10	?	9	X	X	BOTT
BEAUFORT	SEA	69	49.50	135	06.00	52	08	17	12	?	12	X	X	BOTT
BEAUFORT	SEA	69	53.20	134	10.60	52	08	17	14	?	9	X	X	BOTT
BEAUFORT	SEA	69	41.40	133	28.80	52	08	17	16	?	9	X	X	BOTT
BEAUFORT	SEA	69	38.30	133	10.00	52	08	17	18	?	5	X	X	BOTT
BEAUFORT	SEA	69	38.70	133	11.80	52	08	19	05	?	5	X	X	BOTT
BEAUFORT	SEA	69	56.40	133	12.80	52	08	19	08	?	20	X	X	BOTT
BEAUFORT	SEA	70	15.80	133	13.20	52	08	19	11	?	38	X	X	BOTT
BEAUFORT	SEA	70	36.40	133	14.00	52	08	19	14	?	58	X	X	BOTT
BEAUFORT	SEA	70	55.40	133	15.00	52	08	19	18	?	109	X	X	BOTT
BEAUFORT	SEA	71	06.80	133	16.20	52	08	19	21	?	731	X	X	BOTT
BEAUFORT	SEA	71	20.00	131	26.00	52	08	20	03	?	731	X	X	BOTT
BEAUFORT	SEA	71	07.60	130	58.70	52	08	20	07	?	106	X	X	BOTT
BEAUFORT	SEA	71	13.40	129	05.20	52	08	20	12	?	80	X	X	BOTT
BEAUFORT	SEA	71	37.10	129	29.00	52	08	20	15	?	299	X	X	BOTT



BEAUFORT SEA	71	49.50	129	33.30	52	08	20	19	?	453	X	X	BOTT
BEAUFORT SEA	72	00.00	128	59.00	52	08	21	01	?	352	X	X	BOTT
BEAUFORT SEA	72	30.00	129	00.00	52	08	21	06	?	395	X	X	BOTT
BEAUFORT SEA	71	55.00	128	26.00	52	08	21	13	?	391	X	X	BOTT
BEAUFORT SEA	71	32.00	128	29.00	52	08	21	18	?	182	X	X	BOTT
BEAUFORT SEA	71	00.50	128	32.00	52	08	21	22	?	40	X	X	BOTT
BEAUFORT SEA	70	42.80	128	31.00	52	08	22	00	?	18	X	X	BOTT
BEAUFORT SEA	70	39.20	128	17.40	52	08	22	01	?	21	X	X	BOTT
BEAUFORT SEA	70	41.40	128	14.40	52	08	22	19	?	27	X	X	BOTT
BEAUFORT SEA	70	47.40	128	03.20	52	08	22	21	?	47	X	X	BOTT
BEAUFORT SEA	71	00.40	127	38.90	52	08	22	23	?	117	X	X	BOTT
BEAUFORT SEA	71	13.40	127	16.00	52	08	23	01	?	248	X	X	BOTT
BEAUFORT SEA	71	26.50	126	50.80	52	08	23	06	?	409	X	X	BOTT
BEAUFORT SEA	71	38.60	126	21.80	52	08	23	10	?	351	X	X	BOTT
BEAUFORT SEA	71	51.20	125	52.80	52	08	23	13	?	166	X	X	BOTT
BEAUFORT SEA	71	56.80	125	52.20	52	08	23	14	?	18	X	X	BOTT
BEAUFORT SEA	71	58.30	126	02.80	52	08	23	15	?	12	X	X	BOTT
BEAUFORT SEA	71	58.50	126	18.80	52	08	23	18	?	29	X	X	BOTT
BEAUFORT SEA	71	59.00	126	54.00	52	08	23	20	?	219	X	X	BOTT
BEAUFORT SEA	72	00.00	127	48.00	52	08	23	23	?	373	X	X	BOTT
BEAUFORT SEA	72	01.10	129	33.20	52	08	24	04	?	362	X	X	BOTT
BEAUFORT SEA	71	31.30	131	30.00	52	08	24	13	?	594	X	X	BOTT
BEAUFORT SEA	71	11.80	131	36.00	52	08	24	16	?	73	X	X	BOTT
BEAUFORT SEA	70	52.20	131	41.20	52	08	24	19	?	54	X	X	BOTT
BEAUFORT SEA	70	33.00	131	47.40	52	08	24	22	?	36	X	X	BOTT
BEAUFORT SEA	70	13.30	130	56.20	52	08	25	02	?	10	X	X	BOTT
BEAUFORT SEA	70	05.00	132	02.00	52	08	25	05	?	20	X	X	BOTT
BEAUFORT SEA	69	58.00	133	25.00	52	08	25	09	?	20	X	X	BOTT
BEAUFORT SEA	69	53.80	134	30.00	52	08	25	12	?	10	X	X	BOTT
BEAUFORT SEA	69	50.80	135	05.70	52	08	25	14	?	12	X	X	BOTT
BEAUFORT SEA	69	43.70	135	49.60	52	08	25	16	?	7	X	X	BOTT
BEAUFORT SEA	69	32.30	136	18.60	52	08	25	18	?	7	X	X	BOTT
BEAUFORT SEA	69	32.90	137	12.60	52	08	25	21	?	36	X	X	BOTT
BEAUFORT SEA	69	33.30	137	58.80	52	08	25	23	?	67	X	X	BOTT
BEAUFORT SEA	69	34.00	138	22.00	52	08	26	00	?	102	X	X	BOTT
BEAUFORT SEA	69	32.50	138	47.00	52	08	26	02	?	10	X	X	BOTT
BEAUFORT SEA	69	48.70	138	20.00	52	08	26	06	?	170	X	X	BOTT
BEAUFORT SEA	70	00.80	138	40.00	52	08	26	09	?	263	X	X	BOTT
BEAUFORT SEA	70	12.20	138	58.00	52	08	26	12	?	380	X	X	BOTT
BEAUFORT SEA	70	22.40	139	15.00	52	08	26	16	?	621	X	X	BOTT
BEAUFORT SEA	69	41.10	133	11.70	52	08	29	14	?	5	X	X	BOTT
BEAUFORT SEA	69	57.00	133	11.00	52	08	29	17	?	18	X	X	BOTT
BEAUFORT SEA	70	17.00	133	10.10	52	08	29	20	?	31	X	X	BOTT
BEAUFORT SEA	70	37.00	133	02.80	52	08	29	23	?	51	X	X	BOTT
BEAUFORT SEA	70	37.50	134	40.00	52	08	30	03	?	53	X	X	BOTT
BEAUFORT SEA	70	47.50	134	39.20	52	08	30	04	?	69	X	X	BOTT
BEAUFORT SEA	70	47.80	135	24.80	52	08	30	07	?	391	X	X	BOTT
BEAUFORT SEA	70	30.50	135	56.00	52	08	30	10	?	58	X	X	BOTT
BEAUFORT SEA	70	15.90	136	22.80	52	08	30	13	?	51	X	X	BOTT
BEAUFORT SEA	70	16.30	137	51.80	52	08	30	17	?	120	X	X	BOTT
BEAUFORT SEA	70	08.60	138	44.50	52	08	30	21	?	338	X	X	BOTT
BEAUFORT SEA	70	03.80	139	18.80	52	08	30	23	?	113	X	X	BOTT
BEAUFORT SEA	69	44.50	139	09.00	52	08	31	02	?	36	X	X	BOTT
BEAUFORT SEA	69	48.30	138	16.80	52	08	31	05	?	175	X	X	BOTT
BEAUFORT SEA	69	50.20	137	28.20	52	08	31	08	?	56	X	X	BOTT
BEAUFORT SEA	69	39.40	136	41.00	52	08	31	11	?	14	X	X	BOTT
BEAUFORT SEA	69	30.00	137	52.60	52	08	31	15	?	51	X	X	BOTT
BEAUFORT SEA	69	29.90	138	24.20	52	08	31	16	?	80	X	X	BOTT
BEAUFORT SEA	69	32.10	138	44.50	52	08	31	18	?	12	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 52-0002  
YEAR:1952 VESSEL/AGENCY: BURTON ISLAND

AREA	STN	LAT DEG MIN	LOIN DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	11	71 57.00	125 49.00	52 09 02 18	10	27	X	X	BOTT
BEAUFORT SEA	12	73 50.00	124 40.00	52 09 04 14	27	54	X	X	BOTT
BEAUFORT SEA	13	74 13.00	125 10.00	52 09 05 02	28	54	X	X	BOTT
BEAUFORT SEA	14	74 17.00	125 42.00	52 09 05 04	225	433	X	X	BOTT
BEAUFORT SEA	15	74 20.00	125 48.00	52 09 05 08	296	567	X	X	BOTT
BEAUFORT SEA	16	74 24.00	125 43.00	52 09 05 12	350	664	X	X	BOTT
BEAUFORT SEA	17	74 02.00	126 38.00	52 09 05 18	155	301	X	X	BOTT
BEAUFORT SEA	18	74 05.00	127 13.00	52 09 05 21	245	664	X	X	BOTT
BEAUFORT SEA	19	73 48.00	126 52.00	52 09 06 01	170	363	X	X	BOTT

BEAUFORT SEA	20	73	41.00	128	00.00	52	09	06	06	400	786	X	X	BOTT
BEAUFORT SEA	21	73	44.00	128	33.00	52	09	06	13	900	1748	X	X	BOTT
BEAUFORT SEA	22	72	37.00	126	04.00	52	09	07	05	38	78	X	X	BOTT
BEAUFORT SEA	23	73	16.00	128	25.00	52	09	07	15	343	665	X	X	BOTT
BEAUFORT SEA	24	72	04.00	128	57.00	52	09	07	20	367	743	X	X	BOTT
BEAUFORT SEA	25	71	45.00	129	32.00	52	09	08	01	285	567	X	X	BOTT
BEAUFORT SEA	26	71	56.00	125	48.00	52	09	08	16	18	38	X	X	BOTT
BEAUFORT SEA	27	71	02.00	130	20.00	52	09	09	13	38	75	X	X	BOTT
BEAUFORT SEA	28	70	26.00	132	36.00	52	09	09	20	38	76	X	X	BOTT
BEAUFORT SEA	29	70	14.00	134	57.00	52	09	10	01	40	78	X	X	BOTT
BEAUFORT SEA	30	70	13.00	137	26.00	52	09	10	06	58	113	X	X	BOTT
BEAUFORT SEA	31	70	14.00	139	37.00	52	09	10	22	360	698	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 53-0001  
 YEAR:1953 VESSEL/AGENCY: BURTON ISLAND

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
AMUNDSEN GULF	1	70 45.00	127 33.00	53 08 08 05	150	188	X X	BOTT	
AMUNDSEN GULF	2	70 13.00	124 35.00	53 08 09 00	60	69	X X	BOTT	
AMUNDSEN GULF	3	70 39.00	124 10.00	53 08 09 05	400	429	X X	BOTT	
AMUNDSEN GULF	4	70 50.00	123 24.00	53 08 09 11	446	487	X X	BOTT	
AMUNDSEN GULF	5	71 02.00	122 57.00	53 08 09 14	148	190	X X	BOTT	
AMUNDSEN GULF	6	71 04.00	122 45.00	53 08 09 19	21	21	X X	BOTT	
AMUNDSEN GULF	7	71 06.00	122 29.00	53 08 10 00	23	24	X X	BOTT	
AMUNDSEN GULF	8	71 22.00	120 32.00	53 08 11 10	45	50	X X	BOTT	
AMUNDSEN GULF	9	71 28.00	120 09.00	53 08 11 12	?	?	X X	BOTT	
AMUNDSEN GULF	10	71 32.00	119 46.00	53 08 11 14	125	135	X X	BOTT	
AMUNDSEN GULF	11	71 34.00	119 11.00	53 08 11 23	17	19	X X	BOTT	
PR. WALES STR.	12	71 59.00	120 02.00	53 08 14 08	20	23	X X	BOTT	
PR. WALES STR.	13	71 50.00	118 54.00	53 08 15 12	25	66	X X	BOTT	
PR. WALES STR.	14	71 55.00	119 32.00	53 08 15 15	90	97	X X	BOTT	
PR. WALES STR.	31	71 58.00	120 13.00	53 08 25 08	70	75	X X	BOTT	
PR. WALES STR.	32	71 56.00	119 38.00	53 08 25 10	115	120	X X	BOTT	
PR. WALES STR.	33	71 53.00	119 08.00	53 08 25 12	20	26	X X	BOTT	
AMUNDSEN GULF	34	71 38.00	119 10.00	53 08 25 14	18	21	X X	BOTT	
AMUNDSEN GULF	35	71 31.00	119 50.00	53 08 25 22	145	150	X X	BOTT	
AMUNDSEN GULF	36	71 28.00	120 35.00	53 08 26 00	75	80	X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 54-0001  
 YEAR:1954 VESSEL/AGENCY: LABRADOR

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
AMUNDSEN GULF	71	34.00	119 46.00	54 09 06 16	?	144	X X	BOTT	
AMUNDSEN GULF	71	34.00	119 27.00	54 09 06 17	?	88	X X	BOTT	
AMUNDSEN GULF	71	34.00	120 00.00	54 09 06 18	?	165	X X	BOTT	
AMUNDSEN GULF	71	33.00	120 16.00	54 09 06 19	?	119	X X	BOTT	
AMUNDSEN GULF	71	27.00	121 35.00	54 09 07 17	?	55	X X	BOTT	
BEAUFORT SEA	71	58.00	127 21.00	54 09 12 07	?	399	X X	BOTT	
BEAUFORT SEA	71	49.00	128 01.00	54 09 12 11	?	421	X X	BOTT	
BEAUFORT SEA	71	41.00	129 18.00	54 09 12 16	?	320	X X	BOTT	
BEAUFORT SEA	71	49.00	130 30.00	54 09 12 19	?	503	X X	BOTT	
BEAUFORT SEA	71	52.00	131 40.00	54 09 12 22	?	1189	X X	BOTT	
BEAUFORT SEA	71	15.00	132 00.00	54 09 13 02	?	274	X X	BOTT	
BEAUFORT SEA	71	16.00	134 28.00	54 09 13 08	?	1006	X X	BOTT	
BEAUFORT SEA	70	55.00	137 52.00	54 09 13 19	?	1573	X X	BOTT	
BEAUFORT SEA	70	35.00	139 00.00	54 09 13 23	?	1006	X X	BOTT	
BEAUFORT SEA	69	55.00	138 57.00	54 09 14 06	?	183	X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 54-0002  
 YEAR:1954 VESSEL/AGENCY: BURTON ISLAND

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	2	69 44.00	139 40.00	54 08 08 08	30	32	X X	BOTT	
BEAUFORT SEA	3	70 44.00	127 00.00	54 08 09 16	197	219	X X	BOTT	
AMUNDSEN GULF	4	70 52.00	125 00.00	54 08 09 21	254	332	X X	BOTT	
AMUNDSEN GULF	5	71 00.00	123 05.00	54 08 10 05	92	117	X X	BOTT	
AMUNDSEN GULF	6	70 57.00	123 10.00	54 08 10 06	97	195	X X	BOTT	
AMUNDSEN GULF	45	71 36.00	119 50.00	54 09 06 18	97	195	X X	BOTT	
AMUNDSEN GULF	46	70 37.00	121 26.00	54 09 07 01	449	453	X X	BOTT	
AMUNDSEN GULF	47	71 15.00	125 22.00	54 09 07 11	232	303	X X	BOTT	
BEAUFORT SEA	48	73 48.00	126 06.00	54 09 10 09	50	58	X X	BOTT	
BEAUFORT SEA	49	73 36.00	125 14.00	54 09 10 14	25	25	X X	BOTT	
BEAUFORT SEA	50	73 31.00	126 21.00	54 09 10 17	80	82	X X	BOTT	
BEAUFORT SEA	51	72 57.00	125 18.00	54 09 11 05	15	16	X X	BOTT	
BEAUFORT SEA	52	72 57.00	126 27.00	54 09 11 08	69	69	X X	BOTT	
BEAUFORT SEA	53	72 57.00	127 36.00	54 09 11 10	140	153	X X	BOTT	
BEAUFORT SEA	54	72 57.00	129 00.00	54 09 11 12	329	334	X X	BOTT	
BEAUFORT SEA	55	72 57.00	129 55.00	54 09 11 15	571	640	X X	BOTT	
BEAUFORT SEA	56	72 45.00	127 14.00	54 09 11 19	86	91	X X	BOTT	
BEAUFORT SEA	57	72 23.00	126 36.00	54 09 11 22	20	22	X X	BOTT	
BEAUFORT SEA	58	72 00.00	126 07.00	54 09 12 01	25	30	X X	BOTT	
BEAUFORT SEA	59	71 39.00	126 42.00	54 09 12 07	419	448	X X	BOTT	
BEAUFORT SEA	60	71 16.00	127 12.00	54 09 12 10	296	298	X X	BOTT	
BEAUFORT SEA	61	70 53.00	127 48.00	54 09 12 12	110	140	X X	BOTT	
BEAUFORT SEA	62	70 41.00	128 08.00	54 09 12 14	15	16	X X	BOTT	
BEAUFORT SEA	63	70 10.00	132 00.00	54 09 12 22	20	23	X X	BOTT	
BEAUFORT SEA	64	70 38.00	132 00.00	54 09 13 00	37	38	X X	BOTT	
BEAUFORT SEA	65	70 59.00	134 42.00	54 09 13 08	354	365	X X	BOTT	
BEAUFORT SEA	66	70 33.00	134 46.00	54 09 13 11	24	55	X X	BOTT	
BEAUFORT SEA	67	70 10.00	134 44.00	54 09 13 13	24	27	X X	BOTT	
BEAUFORT SEA	68	70 20.00	134 57.00	54 09 13 18	47	54	X X	BOTT	
BEAUFORT SEA	69	69 45.00	137 03.00	54 09 13 23	2	28	X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 54-0003  
 YEAR:1954 VESSEL/AGENCY: NORTHWIND

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	1	70 45.00	128 00.00	54 08 09 15	40	53	X X	BOTT	
BEAUFORT SEA	2	71 22.00	126 31.00	54 08 09 21	400	457	X X	BOTT	
BEAUFORT SEA	3	71 46.00	125 14.00	54 08 10 02	100	457	X X	BOTT	
BEAUFORT SEA	4	71 54.00	125 22.00	54 08 10 04	25	33	X X	BOTT	
BEAUFORT SEA	5	71 57.00	125 55.00	54 08 10 05	10	15	X X	BOTT	
BEAUFORT SEA	6	74 19.00	125 08.00	54 08 12 22	30	37	X X	BOTT	
BEAUFORT SEA	7	74 27.00	125 01.00	54 08 14 02	280	298	X X	BOTT	
AMUNDSEN GULF	25	72 05.00	119 00.00	54 09 05 13	40	44	X X	BOTT	
AMUNDSEN GULF	26	72 01.00	119 42.00	54 09 06 15	90	104	X X	BOTT	
AMUNDSEN GULF	27	71 58.00	119 08.00	54 09 06 16	40	50	X X	BOTT	
AMUNDSEN GULF	28	71 03.00	123 01.00	54 09 07 02	60	101	X X	BOTT	
AMUNDSEN GULF	29	71 00.00	123 14.00	54 09 07 03	250	271	X X	BOTT	
AMUNDSEN GULF	30	70 50.00	123 32.00	54 09 07 05	394	466	X X	BOTT	
AMUNDSEN GULF	31	70 38.00	123 53.00	54 09 07 08	388	472	X X	BOTT	
AMUNDSEN GULF	32	70 27.00	124 10.00	54 09 07 10	298	326	X X	BOTT	
BEAUFORT SEA	33	74 26.00	125 01.00	54 09 09 19	40	57	X X	BOTT	
BEAUFORT SEA	34	74 26.00	125 01.00	54 09 09 22	40	57	X X	BOTT	
BEAUFORT SEA	35	73 58.00	125 25.00	54 09 10 11	25	38	X X	BOTT	
BEAUFORT SEA	36	73 48.00	124 53.00	54 09 10 13	20	27	X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 55-0001  
 YEAR:1955 VESSEL/AGENCY: NORTHWIND

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA		69 51.00	138 41.00	55 08 27 ?	132	183	X X	BOTT	
BEAUFORT SEA		70 12.00	138 35.00	55 08 27 ?	301	329	X X	BOTT	
BEAUFORT SEA		69 40.00	140 15.00	55 09 04 ?	20	25	X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 55-0016  
 YEAR:1955 VESSEL/AGENCY: BURTON ISLAND

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	14	71 00.	128 53.	55 08 02 ?	?	37	X X	BOTT	
BEAUFORT SEA	15	71 33.	130 39.	55 08 02 ?	?	366	X X	BOTT	
BEAUFORT SEA	16	72 09.	132 10.	55 08 02 ?	?	1829	X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 56-0001  
 YEAR:1956 VESSEL/AGENCY: REQUISITE

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA		69 46.00	138 13.00	56 07 30 00	150	168	X X	BOTT	
BEAUFORT SEA		69 56.00	134 03.00	56 07 31 00	10	12	X X	BOTT	
AMUNDSEN GULF		70 11.00	124 40.00	56 07 31 22	15	18	X X	BOTT	
AMUNDSEN GULF		69 02.00	115 55.00	56 08 04 03	20	20	X X	BOTT	
BEAUFORT SEA		69 58.00	139 18.00	56 08 27 21	50	69	X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 56-0012  
 YEAR:1956 VESSEL/AGENCY: AIRCRAFT

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
CANADA BASIN	52	74 12.	134 56.	56 04 14 ?	?	?	X X	?	

BOTTLE/CTD DATA SET NUMBER: 57-0001  
YEAR:1957 VESSEL/AGENCY: SPAR

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
AMUNDSEN GULF		70 45.00	125 33.00	57 07 17 ?	394	421	X X	BOTT	
AMUNDSEN GULF		70 03.00	121 49.00	57 07 23 ?	350	350	X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 57-0002  
YEAR:1957 VESSEL/AGENCY: ATKA

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA		71 05.00	128 30.00	57 08 03 ?	45	53	X X	BOTT	
BEAUFORT SEA		71 29.00	128 09.00	57 08 03 ?	60	70	X X	BOTT	
BEAUFORT SEA		71 50.00	130 01.00	57 08 03 ?	300	307	X X	BOTT	
BEAUFORT SEA		69 45.00	138 15.00	57 08 04 ?	150	164	X X	BOTT	
BEAUFORT SEA		70 15.00	136 01.00	57 08 04 ?	40	50	X X	BOTT	
BEAUFORT SEA		71 00.00	128 30.00	57 08 14 20	?	44	X X	BOTT	
AMUNDSEN GULF		70 10.00	124 46.00	57 08 16 ?	30	?	X X	BOTT	
BEAUFORT SEA		69 46.00	138 14.00	57 08 18 ?	150	170	X X	BOTT	
BEAUFORT SEA		70 15.00	134 00.00	57 08 18 ?	40	49	X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 58-0001  
YEAR:1958 VESSEL/AGENCY: BURTON ISLAND

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	35	70 50.00	129 00.00	58 09 02 11	30	?	X X	BOTT	
BEAUFORT SEA	36	71 26.00	128 30.00	58 09 02 16	150	177	X X	BOTT	
BEAUFORT SEA	37	71 55.00	127 30.00	58 09 03 00	150	402	X X	BOTT	
BEAUFORT SEA	34	70 25.00	134 00.00	58 09 03 14	41	48	X X	BOTT	
BEAUFORT SEA	33	69 50.00	138 15.00	58 09 03 21	150	172	X X	BOTT	
BEAUFORT SEA	32	69 55.00	140 58.00	58 09 04 06	40	?	X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 59-0001  
YEAR:1959 VESSEL/AGENCY: ICE ISLAND T-3

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
CANADA BASIN	1	72 20.00	130 35.00	59 06 09 22	15	980	X X	BOTT	
CANADA BASIN	2	72 17.00	130 30.00	59 06 11 01	882	890	X X	BOTT	
CANADA BASIN	3	72 15.00	130 25.00	59 06 11 23	660	680	X X	BOTT	
CANADA BASIN	4	72 04.00	130 57.00	59 06 18 00	340	780	X X	BOTT	
CANADA BASIN	5	71 50.80	132 27.00	59 06 30 19	1374	1480	X X	BOTT	
CANADA BASIN	8	71 23.00	134 21.00	59 07 05 21	1000	1027	X X	BOTT	
CANADA BASIN	5A	71 57.30	132 30.00	59 07 09 20	15	1457	X X	BOTT	
CANADA BASIN	6	71 44.00	132 32.00	59 07 13 21	1372	1400	X X	BOTT	
CANADA BASIN	6A	71 40.00	133 14.00	59 07 23 22	1265	?	X X	BOTT	

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
CANADA BASIN	7	71 33.00	133 25.00	59 07 24 21	1275	?	X X	BOTT	
CANADA BASIN	9	71 26.00	135 30.00	59 08 24 22	1200	1362	X X	BOTT	
CANADA BASIN	10	71 43.00	136 48.00	59 09 09 22	2058	?	X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 59-0002  
YEAR:1959 VESSEL/AGENCY: STATEN ISLAND

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	13A	73 10.00	129 48.00	59 08 10 20	1087	1138	X	X	BOTT
AMUNDSEN GULF	15A	69 01.00	116 47.00	59 08 25 17	134	163	X	X	BOTT
AMUNDSEN GULF	16A	69 12.00	116 39.00	59 08 25 19	205	218	X	X	BOTT
AMUNDSEN GULF	17A	69 19.00	116 30.00	59 08 25 21	215	223	X	X	BOTT
BEAUFORT SEA	37	71 53.00	127 32.00	59 08 29 04	398	421	X	X	BOTT
BEAUFORT SEA	36	71 25.00	128 19.00	59 08 29 08	190	198	X	X	BOTT
BEAUFORT SEA	35	70 50.00	129 00.00	59 08 29 11	35	35	X	X	BOTT
BEAUFORT SEA	34	70 31.00	133 56.00	59 08 29 20	50	55	X	X	BOTT
BEAUFORT SEA	22A	70 26.00	131 56.00	59 09 01 23	29	38	X	X	BOTT
BEAUFORT SEA	23A	70 49.00	132 42.00	59 09 02 02	55	57	X	X	BOTT
BEAUFORT SEA	24A	71 19.00	133 38.00	59 09 02 06	920	933	X	X	BOTT
BEAUFORT SEA	25A	71 19.00	136 12.00	59 09 02 14	1200	1200	X	X	BOTT
BEAUFORT SEA	26A	71 08.00	135 45.00	59 09 02 21	500	555	X	X	BOTT
BEAUFORT SEA	27A	70 48.00	136 52.00	59 09 03 03	740	850	X	X	BOTT
BEAUFORT SEA	33	70 02.00	138 09.00	59 09 03 10	180	192	X	X	BOTT
BEAUFORT SEA	32	69 56.00	140 52.00	59 09 03 14	35	41	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 59-0014  
YEAR:1959 VESSEL/AGENCY: AIRCRAFT

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	922	72 04.0	137 35.0	59 03?	?	?			BOTT

BOTTLE/CTD DATA SET NUMBER: 60-0001  
YEAR:1960 VESSEL/AGENCY: BURTON ISLAND

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	11	70 46.00	140 14.00	60 08 16 20	1178	1600	X	X	BOTT
BEAUFORT SEA	12	71 15.00	139 06.00	60 08 17 04	?	1975	X	X	BOTT
BEAUFORT SEA	13	71 03.00	138 12.00	60 08 17 12	1744	1829	X	X	BOTT
BEAUFORT SEA	14	71 14.00	136 45.00	60 08 17 22	1496	1554	X	X	BOTT
BEAUFORT SEA	15	71 11.00	134 56.00	60 08 18 15	?	914	X	X	BOTT
BEAUFORT SEA	16	71 27.00	132 50.00	60 08 19 05	1200	1280	X	X	BOTT
BEAUFORT SEA	17	71 07.00	130 51.00	60 08 19 12	58	63	X	X	BOTT
BEAUFORT SEA	18	71 55.00	127 33.00	60 08 19 23	200	221	X	X	BOTT
BEAUFORT SEA	19	71 26.00	128 18.00	60 08 20 03	263	265	X	X	BOTT
BEAUFORT SEA	20	71 52.00	129 02.00	60 08 20 07	26	26	X	X	BOTT
BEAUFORT SEA	25	73 43.00	126 41.00	60 09 07 06	105	111	X	X	BOTT
BEAUFORT SEA	26	74 07.00	126 20.00	60 09 07 22	300	338	X	X	BOTT
BEAUFORT SEA	27	74 20.00	127 24.00	60 09 08 03	384	384	X	X	BOTT
BEAUFORT SEA	28	74 23.00	128 36.00	60 09 08 18	375	395	X	X	BOTT
BEAUFORT SEA	29	74 09.00	131 08.00	60 09 09 07	2600	2642	X	X	BOTT
CANADA BASIN	30	74 53.00	135 18.00	60 09 10 04	3350	3365	X	X	BOTT
CANADA BASIN	31	75 12.00	137 24.00	60 09 11 08	3500	3512	X	X	BOTT
CANADA BASIN	32	74 47.00	134 48.00	60 09 16 07	3306	3383	X	X	BOTT

BEAUFORT SEA	33	72	43.00	127	29.00	60	09	18	06	175	183	X	X	BOTT
BEAUFORT SEA	34	71	59.00	127	29.00	60	09	18	11	380	402	X	X	BOTT
BEAUFORT SEA	35	70	07.00	132	02.00	60	09	18	22	25	28	X	X	BOTT
BEAUFORT SEA	36	69	56.00	140	14.00	60	09	19	21	48	48	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 60-0002  
 YEAR:1960 VESSEL/AGENCY: NORTHWIND

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	13	69 47.50	138 38.00	60 10 20 ?	180	183	X	X	BOTT
BEAUFORT SEA	14	70 06.00	137 25.00	60 10 20 ?	58	60	X	X	BOTT
BEAUFORT SEA	15	70 16.00	135 39.00	60 10 20 ?	54	55	X	X	BOTT
BEAUFORT SEA	16	70 27.00	133 54.00	60 10 21 ?	60	60	X	X	BOTT
BEAUFORT SEA	17	70 31.00	132 42.00	60 10 21 ?	30	40	X	X	BOTT
BEAUFORT SEA	18	69 47.20	138 38.00	60 10 21 ?	44	44	X	X	BOTT
BEAUFORT SEA	19	71 01.00	135 21.00	60 10 21 ?	517	564	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 60-0003  
 YEAR:1960 VESSEL/AGENCY: SALVELINUS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE BAY	1005	69 34.30	138 53.90	60 08 01 ?	1	2	X	X	BOTT
MACKENZIE BAY	1005	69 34.30	138 53.90	60 08 02 ?	5	?	X	X	BOTT
MACKENZIE BAY	1010	69 31.20	139 04.50	60 08 03 ?	7	9	X	X	BOTT
MACKENZIE BAY	1013	69 38.00	138 35.00	60 08 06 ?	76	91	X	X	BOTT
MACKENZIE BAY	1020	69 31.90	138 56.30	60 08 10 ?	4	4	X	X	BOTT
MACKENZIE BAY	1024	69 34.00	138 51.00	60 08 11 ?	7	8	X	X	BOTT
MACKENZIE BAY	1036	69 32.00	138 57.00	60 08 25 ?	20	36	X	X	BOTT
MACKENZIE BAY	1045	69 07.00	137 54.00	60 08 31 ?	22	22	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 61-0001  
 YEAR:1961 VESSEL/AGENCY: SALVELINUS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
KUGMALL IT BAY	1005	69 43.00	132 33.80	61 07 05 ?	2	?	X	X	BOTT
KUGMALL IT BAY	1008	69 41.00	132 48.00	61 07 06 ?	4	?	X	X	BOTT
KUGMALL IT BAY	1009	69 43.50	132 48.00	61 07 06 18	6	7	X	X	BOTT
KUGMALL IT BAY	1010	69 39.00	132 48.00	61 07 06 21	4	5	X	X	BOTT
LIVERPOOL BAY	1011	69 58.00	128 54.50	61 07 09 23	0	0	X	X	BOTT
LIVERPOOL BAY	1012	69 56.00	128 53.00	61 07 10 10	1	2	X	X	BOTT
LIVERPOOL BAY	1013	69 58.00	128 54.50	61 07 10 20	0	2	X	X	BOTT
LIVERPOOL BAY	1015	70 11.00	128 35.00	61 07 10 23	12	12	X	X	BOTT
LIVERPOOL BAY	1016	70 29.50	128 19.00	61 07 11 09	8	8	X	X	BOTT
LIVERPOOL BAY	1017	70 23.60	128 49.00	61 07 11 13	12	13	X	X	BOTT
LIVERPOOL BAY	1018	69 58.70	129 30.00	61 07 12 03	0	2	X	X	BOTT
LIVERPOOL BAY	1019	69 58.70	129 30.00	61 07 12 09	3	3	X	X	BOTT
LIVERPOOL BAY	1020	69 58.70	129 30.00	61 07 12 14	0	3	X	X	BOTT
LIVERPOOL BAY	1021	69 56.00	129 37.00	61 07 13 01	10	11	X	X	BOTT
LIVERPOOL BAY	1072	69 41.00	130 34.00	61 08 12 00	5	6	X	X	BOTT
LIVERPOOL BAY	1073	69 45.00	130 24.00	61 08 12 01	7	7	X	X	BOTT
LIVERPOOL BAY	1074	69 47.50	130 18.00	61 08 14 02	8	9	X	X	BOTT
LIVERPOOL BAY	1079	69 42.80	132 34.00	61 08 17 19	0	3	X	X	BOTT
TUK. SHELF	1082	70 13.00	132 36.00	61 08 19 07	28	34	X	X	BOTT

LIVERPOOL BAY	1083	69	42.80	132	34.00	61	08	20	03	0	3	X	X	BOTT
KUGMALLIT BAY	1085	69	26.20	133	03.10	61	08	21	23	0	2	X	X	BOTT
KUGMALLIT BAY	1090	69	24.40	132	58.90	61	08	23	22	20	22	X	X	BOTT
KUGMALLIT BAY	1092	69	26.30	132	58.50	61	08	24	19	0	3	X	X	BOTT
KUGMALLIT BAY	1094	69	30.90	133	08.50	61	08	27	21	0	5	X	X	BOTT
KUGMALLIT BAY	1095	69	27.50	133	00.00	61	08	27	22	5	9	X	X	BOTT
ESKIMO LAKES	1022	69	37.70	131	02.00	61	07	13	?	2	?	X	X	BOTT
ESKIMO LAKES	1023	69	37.70	131	02.00	61	07	14	?	0	?	X	X	BOTT
ESKIMO LAKES	1024	69	37.00	131	02.00	61	07	16	?	30	?	X	X	BOTT
ESKIMO LAKES	1024	69	37.00	131	02.00	61	07	14	?	5	?	X	X	BOTT
ESKIMO LAKES	1026	69	35.50	131	02.00	61	07	15	?	55	?	X	X	BOTT
ESKIMO LAKES	1028	69	35.20	131	10.00	61	07	17	?	18	?	X	X	BOTT
ESKIMO LAKES	1032	69	35.50	131	10.00	61	07	18	?	30	?	X	X	BOTT
ESKIMO LAKES	1033	69	34.20	131	22.50	61	07	19	?	9	?	X	X	BOTT
ESKIMO LAKES	1035	69	34.20	131	22.50	61	07	19	?	24	?	X	X	BOTT
ESKIMO LAKES	1036	69	13.30	132	27.80	61	07	27	?	0	?	X	X	BOTT
ESKIMO LAKES	1036	69	13.30	132	27.80	61	07	21	?	5	?	X	X	BOTT
ESKIMO LAKES	1036	69	13.30	132	27.80	61	07	24	?	0	?	X	X	BOTT
ESKIMO LAKES	1039	69	13.30	132	27.80	61	07	22	?	0	?	X	X	BOTT
ESKIMO LAKES	1042	69	13.30	132	27.80	61	07	23	?	0	?	X	X	BOTT
ESKIMO LAKES	1043	69	08.50	132	30.00	61	07	23	?	10	?	X	X	BOTT
ESKIMO LAKES	1045	69	16.00	132	25.00	61	07	25	?	10	?	X	X	BOTT
ESKIMO LAKES	1049	69	24.50	132	08.00	61	07	30	?	16	?	X	X	BOTT
ESKIMO LAKES	1050	69	24.50	132	08.00	61	07	31	?	0	?	X	X	BOTT
ESKIMO LAKES	1051	69	26.70	132	06.50	61	07	31	?	0	?	X	X	BOTT
ESKIMO LAKES	1053	69	15.50	131	58.00	61	08	01	?	10	?	X	X	BOTT
ESKIMO LAKES	1054	69	15.50	131	58.00	61	08	03	?	4	?	X	X	BOTT
ESKIMO LAKES	1057	69	15.70	131	50.50	61	08	03	?	0	?	X	X	BOTT
ESKIMO LAKES	1058	69	31.50	131	20.80	61	08	05	?	0	?	X	X	BOTT
ESKIMO LAKES	1060	69	31.50	131	20.80	61	08	05	?	0	?	X	X	BOTT
ESKIMO LAKES	1063	69	21.80	131	15.50	61	08	06	?	18	?	X	X	BOTT
ESKIMO LAKES	1066	69	21.80	131	15.50	61	08	07	?	18	?	X	X	BOTT
ESKIMO LAKES	1071	69	25.60	130	54.70	61	08	08	?	20	?	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 62-0001  
YEAR: 1962 VESSEL/AGENCY: SALVELINUS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
LIVERPOOL BAY	0001	69 49.30	130 19.00	62 07 16 03	15	16	X	X	BOTT
LIVERPOOL BAY	0001	69 49.30	130 19.00	62 07 19 ?	12	?	X	X	BOTT
LIVERPOOL BAY	0005	69 47.00	130 19.00	62 07 20 ?	6	?	X	X	BOTT
LIVERPOOL BAY		69 37.00	130 19.00	62 07 21 00	?	7	X	X	BOTT
LIVERPOOL BAY	0009	69 48.00	130 13.00	62 07 25 06	8	9	X	X	BOTT
LIVERPOOL BAY	0010	69 37.50	131 02.60	62 07 26 ?	0	?	X	X	BOTT
LIVERPOOL BAY	9001	69 50.50	129 07.00	62 07 26 ?	0	?	X	X	BOTT
LIVERPOOL BAY	9002	69 50.00	128 56.00	62 07 27 ?	0	?	X	X	BOTT
LIVERPOOL BAY	9004	70 09.50	128 06.10	62 07 28 ?	0	?	X	X	BOTT
LIVERPOOL BAY	9005	70 31.80	128 21.30	62 07 31 ?	0	?	X	X	BOTT
LIVERPOOL BAY		69 20.50	130 53.00	62 07 31 18	?	12	X	X	BOTT
LIVERPOOL BAY	0017	69 45.00	130 32.50	62 08 01 ?	7	?	X	X	BOTT
LIVERPOOL BAY	0016	69 45.00	130 32.50	62 08 02 06	1	3	X	X	BOTT
LIVERPOOL BAY	0019	69 49.30	130 19.00	62 08 03 ?	7	?	X	X	BOTT
LIVERPOOL BAY	0020	69 47.00	130 24.00	62 08 05 18	11	12	X	X	BOTT
ESKIMO LAKES	0021	69 25.00	132 08.00	62 08 07 ?	8	?	X	X	BOTT
LIVERPOOL BAY	0022	69 25.00	132 08.00	62 08 08 01	27	30	X	X	BOTT
ESKIMO LAKES	0025	69 14.00	132 27.00	62 08 09 ?	6	?	X	X	BOTT
ESKIMO LAKES	0026	69 14.00	132 27.00	62 08 09 ?	8	?	X	X	BOTT
LIVERPOOL BAY		69 14.00	132 27.00	62 08 10 18	?	7	X	X	BOTT
LIVERPOOL BAY	0028	69 49.30	130 19.00	62 08 11 ?	7	?	X	X	BOTT
AMUNDSEN GULF	9006	69 23.12	125 40.50	62 08 11 ?	0	?	X	X	BOTT
LIVERPOOL BAY	0032	69 48.00	130 19.00	62 08 12 21	9	10	X	X	BOTT
LIVERPOOL BAY	0033	69 45.80	129 08.00	62 08 13 ?	16	?	X	X	BOTT
AMUNDSEN GULF	9007	69 43.00	124 49.50	62 08 13 ?	0	?	X	X	BOTT
LIVERPOOL BAY		69 55.80	129 08.00	62 08 13 00	?	18	X	X	BOTT
LIVERPOOL BAY	0034	70 31.00	128 19.00	62 08 15 22	5	6	X	X	BOTT
AMUNDSEN GULF	9008	69 22.00	123 41.00	62 08 16 ?	0	?	X	X	BOTT
LIVERPOOL BAY		70 31.00	128 19.00	62 08 16 22	?	7	X	X	BOTT
FRANKLIN BAY	0043	70 06.60	125 43.00	62 08 22 03	?	110	X	X	BOTT
AMUNDSEN GULF	9013	69 31.40	123 11.30	62 08 23 ?	0	?	X	X	BOTT
DARNLEY BAY		69 21.00	123 42.00	62 08 26 04	?	1	X	X	BOTT
AMUNDSEN GULF	0051	70 08.20	124 39.00	62 08 29 ?	7	?	X	X	BOTT
FRANKLIN BAY	0049	70 07.00	124 39.00	62 08 29 18	?	13	X	X	BOTT



BOTTLE/CTD DATA SET NUMBER: 62-0002  
 YEAR:1962 VESSEL/AGENCY: NRC

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
KUGMALL IT BAY	69	26.50	132 59.10	62 04 27 19	?	12	X	X BOTT	
KUGMALL IT BAY	69	25.00	132 58.20	62 04 27 21	?	18	X	X BOTT	
KUGMALL IT BAY	69	24.90	132 58.40	62 04 27 22	?	22	X	X BOTT	
KUGMALL IT BAY	69	25.40	132 58.40	62 04 28 00	?	6	X	X BOTT	
KUGMALL IT BAY	69	25.50	132 58.60	62 04 28 01	?	13	X	X BOTT	
KUGMALL IT BAY	69	25.00	132 58.20	62 04 28 15	?	18	X	X BOTT	
KUGMALL IT BAY	69	25.00	132 58.10	62 04 28 17	?	15	X	X BOTT	
KUGMALL IT BAY	69	25.00	132 58.20	62 04 28 17	?	18	X	X BOTT	
KUGMALL IT BAY	69	25.00	132 58.10	62 04 28 18	?	15	X	X BOTT	
KUGMALL IT BAY	69	25.00	132 58.20	62 04 28 18	?	18	X	X BOTT	
KUGMALL IT BAY	69	23.80	132 59.40	62 04 28 21	?	10	X	X BOTT	
KUGMALL IT BAY	69	24.30	132 59.50	62 04 28 21	?	15	X	X BOTT	
KUGMALL IT BAY	69	24.70	132 58.60	62 04 28 22	?	26	X	X BOTT	
KUGMALL IT BAY	69	24.70	132 58.60	62 04 28 22	?	26	X	X BOTT	
KUGMALL IT BAY	69	24.90	132 58.20	62 04 28 22	?	18	X	X BOTT	
KUGMALL IT BAY	69	24.90	132 58.10	62 04 29 01	?	5	X	X BOTT	
KUGMALL IT BAY	69	26.60	133 02.20	62 04 29 15	?	17	X	X BOTT	
KUGMALL IT BAY	69	26.60	133 02.20	62 04 29 15	?	17	X	X BOTT	
KUGMALL IT BAY	69	26.90	132 59.80	62 04 29 16	?	9	X	X BOTT	
KUGMALL IT BAY	69	25.90	132 59.80	62 04 29 17	?	9	X	X BOTT	
KUGMALL IT BAY	69	25.90	132 59.80	62 04 29 17	?	9	X	X BOTT	
KUGMALL IT BAY	69	26.50	132 59.10	62 04 29 17	?	12	X	X BOTT	
KUGMALL IT BAY	69	25.50	132 58.60	62 04 29 18	?	13	X	X BOTT	
KUGMALL IT BAY	69	26.30	132 58.60	62 04 29 18	?	5	X	X BOTT	
KUGMALL IT BAY	69	25.30	132 58.40	62 04 29 19	?	6	X	X BOTT	
KUGMALL IT BAY	69	24.90	132 58.20	62 04 29 22	?	18	X	X BOTT	
KUGMALL IT BAY	69	24.30	132 59.50	62 04 29 23	?	15	X	X BOTT	
KUGMALL IT BAY	69	24.90	132 58.10	62 04 29 23	?	5	X	X BOTT	
KUGMALL IT BAY	69	24.70	132 58.60	62 04 30 00	?	22	X	X BOTT	
KUGMALL IT BAY	69	26.90	132 59.80	62 04 30 15	?	9	X	X BOTT	
KUGMALL IT BAY	69	26.90	132 59.80	62 04 30 16	?	9	X	X BOTT	
KUGMALL IT BAY	69	26.90	132 59.80	62 04 30 16	?	9	X	X BOTT	
KUGMALL IT BAY	69	26.60	133 02.20	62 04 30 17	?	17	X	X BOTT	
KUGMALL IT BAY	69	26.90	132 59.80	62 04 30 17	?	9	X	X BOTT	
KUGMALL IT BAY	69	26.60	133 02.20	62 04 30 18	?	17	X	X BOTT	
KUGMALL IT BAY	69	26.80	133 02.00	62 04 30 19	?	3	X	X BOTT	
KUGMALL IT BAY	69	26.80	133 02.00	62 04 30 19	?	3	X	X BOTT	
KUGMALL IT BAY	69	26.90	132 59.80	62 04 30 19	?	9	X	X BOTT	
KUGMALL IT BAY	69	26.60	133 02.20	62 04 30 20	?	17	X	X BOTT	
KUGMALL IT BAY	69	26.60	133 02.20	62 04 30 21	?	17	X	X BOTT	
KUGMALL IT BAY	69	26.80	133 02.00	62 04 30 21	?	3	X	X BOTT	
KUGMALL IT BAY	69	26.60	133 02.20	62 04 30 22	?	17	X	X BOTT	
KUGMALL IT BAY	69	26.90	132 59.80	62 04 30 22	?	9	X	X BOTT	
KUGMALL IT BAY	69	26.90	132 59.80	62 04 30 23	?	9	X	X BOTT	
KUGMALL IT BAY	69	26.60	133 02.20	62 05 01 00	?	17	X	X BOTT	
KUGMALL IT BAY	69	26.80	133 02.00	62 05 01 00	?	3	X	X BOTT	
KUGMALL IT BAY	69	26.90	132 59.80	62 05 01 00	?	9	X	X BOTT	
KUGMALL IT BAY	69	26.80	133 02.00	62 05 01 02	?	3	X	X BOTT	
KUGMALL IT BAY	69	26.90	132 59.80	62 05 01 02	?	9	X	X BOTT	
KUGMALL IT BAY	69	26.80	133 02.00	62 05 01 03	?	3	X	X BOTT	
KUGMALL IT BAY	69	26.60	133 02.20	62 05 01 04	?	17	X	X BOTT	
KUGMALL IT BAY	69	26.60	133 02.20	62 05 01 05	?	17	X	X BOTT	
KUGMALL IT BAY	69	26.80	133 02.00	62 05 01 05	?	3	X	X BOTT	
KUGMALL IT BAY	69	26.90	132 59.80	62 05 01 05	?	9	X	X BOTT	
KUGMALL IT BAY	69	24.70	132 58.60	62 05 01 17	?	22	X	X BOTT	
KUGMALL IT BAY	69	24.90	132 58.10	62 05 01 17	?	5	X	X BOTT	
KUGMALL IT BAY	69	23.30	132 59.10	62 05 01 19	?	7	X	X BOTT	
KUGMALL IT BAY	69	23.80	132 59.40	62 05 01 19	?	10	X	X BOTT	
KUGMALL IT BAY	69	24.70	132 58.60	62 05 01 21	?	22	X	X BOTT	
KUGMALL IT BAY	69	23.30	132 59.10	62 05 01 22	?	7	X	X BOTT	
KUGMALL IT BAY	69	26.50	132 59.10	62 05 01 23	?	12	X	X BOTT	
KUGMALL IT BAY	69	23.30	132 59.10	62 05 02 00	?	7	X	X BOTT	
KUGMALL IT BAY	69	23.30	132 59.10	62 05 02 00	?	7	X	X BOTT	
KUGMALL IT BAY	69	26.50	132 59.10	62 05 02 00	?	12	X	X BOTT	
KUGMALL IT BAY	69	24.90	132 58.10	62 05 02 01	?	5	X	X BOTT	
KUGMALL IT BAY	69	26.90	132 59.80	62 05 02 15	?	9	X	X BOTT	
KUGMALL IT BAY	69	26.90	132 59.80	62 05 02 16	?	9	X	X BOTT	
KUGMALL IT BAY	69	27.80	133 02.40	62 05 02 17	?	5	X	X BOTT	
KUGMALL IT BAY	69	26.90	132 59.80	62 05 02 18	?	9	X	X BOTT	
KUGMALL IT BAY	69	24.90	132 58.10	62 05 02 19	?	5	X	X BOTT	
KUGMALL IT BAY	69	26.90	132 59.80	62 05 02 19	?	9	X	X BOTT	

KUGMALL IT BAY	69	26.90	132	59.80	62	05	02	21	?	9	X	X	BOTT
KUGMALL IT BAY	69	27.80	133	02.40	62	05	02	21	?	5	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.80	62	05	02	22	?	9	X	X	BOTT
KUGMALL IT BAY	69	27.80	133	02.40	62	05	02	22	?	5	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.80	62	05	02	23	?	9	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.80	62	05	03	00	?	9	X	X	BOTT
KUGMALL IT BAY	69	24.90	132	58.10	62	05	03	01	?	5	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.80	62	05	03	01	?	9	X	X	BOTT
KUGMALL IT BAY	69	23.80	132	58.40	62	05	03	03	?	26	X	X	BOTT
KUGMALL IT BAY	69	30.80	133	14.50	62	05	03	15	?	6	X	X	BOTT
KUGMALL IT BAY	69	40.60	133	20.10	62	05	03	17	?	8	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.80	62	05	03	19	?	9	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.80	62	05	03	21	?	9	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.50	62	05	03	22	?	6	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.70	62	05	03	22	?	7	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.50	62	05	03	23	?	6	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.50	62	05	04	00	?	6	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.70	62	05	04	00	?	9	X	X	BOTT
KUGMALL IT BAY	69	26.90	133	02.00	62	05	04	00	?	9	X	X	BOTT
KUGMALL IT BAY	69	24.90	132	58.10	62	05	04	03	?	5	X	X	BOTT
KUGMALL IT BAY	69	23.80	132	59.30	62	05	04	04	?	10	X	X	BOTT
KUGMALL IT BAY	69	24.70	132	58.60	62	05	04	04	?	22	X	X	BOTT
KUGMALL IT BAY	69	25.50	132	58.60	62	05	04	05	?	13	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.80	62	05	04	05	?	9	X	X	BOTT
KUGMALL IT BAY	69	24.90	132	58.10	62	05	04	18	?	5	X	X	BOTT
KUGMALL IT BAY	69	23.80	132	59.30	62	05	04	19	?	10	X	X	BOTT
KUGMALL IT BAY	69	24.70	132	58.60	62	05	04	19	?	22	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.80	62	05	04	20	?	9	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.80	62	05	04	23	?	9	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.80	62	05	04	23	?	9	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.80	62	05	05	00	?	9	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.80	62	05	05	00	?	9	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.80	62	05	05	00	?	9	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.80	62	05	05	01	?	9	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.80	62	05	05	01	?	9	X	X	BOTT
KUGMALL IT BAY	69	24.90	132	58.10	62	05	05	02	?	5	X	X	BOTT
KUGMALL IT BAY	69	24.90	132	58.10	62	05	05	16	?	5	X	X	BOTT
KUGMALL IT BAY	69	21.00	134	11.00	62	05	06	02	?	18	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 62-0003  
YEAR:1962 VESSEL/AGENCY: NRC

AREA	STN	LAT DEG MIN	LONG DEG MIN	YR	DATE MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
KUGMALL IT BAY	69	23.40	132 59.30	62	11 26 18	?	7	X	X	BOTT
KUGMALL IT BAY	69	23.80	132 59.40	62	11 26 19	?	11	X	X	BOTT
KUGMALL IT BAY	69	26.60	133 02.20	62	11 26 22	?	10	X	X	BOTT
KUGMALL IT BAY	69	25.00	132 58.10	62	11 27 00	?	5	X	X	BOTT
KUGMALL IT BAY	69	24.70	132 58.60	62	11 27 18	?	26	X	X	BOTT
KUGMALL IT BAY	69	24.90	132 58.60	62	11 27 23	?	20	X	X	BOTT
KUGMALL IT BAY	69	25.00	132 58.20	62	11 28 00	?	17	X	X	BOTT
KUGMALL IT BAY	69	26.30	132 57.90	62	11 28 17	?	8	X	X	BOTT
KUGMALL IT BAY	69	26.00	132 58.80	62	11 28 18	?	21	X	X	BOTT
KUGMALL IT BAY	69	24.50	132 58.60	62	11 28 22	?	21	X	X	BOTT
KUGMALL IT BAY	69	24.70	132 58.60	62	11 28 23	?	26	X	X	BOTT
KUGMALL IT BAY	69	26.00	132 58.10	62	11 29 00	?	2	X	X	BOTT
KUGMALL IT BAY	69	27.00	132 59.70	62	11 29 18	?	9	X	X	BOTT
KUGMALL IT BAY	69	27.00	132 59.70	62	11 29 19	?	9	X	X	BOTT
KUGMALL IT BAY	69	27.00	132 59.70	62	11 29 21	?	9	X	X	BOTT
KUGMALL IT BAY	69	27.00	132 59.70	62	11 29 22	?	9	X	X	BOTT
KUGMALL IT BAY	69	27.00	132 59.70	62	11 30 01	?	9	X	X	BOTT
KUGMALL IT BAY	69	27.00	132 59.70	62	11 30 04	?	9	X	X	BOTT
KUGMALL IT BAY	69	27.00	132 59.70	62	11 30 05	?	9	X	X	BOTT
KUGMALL IT BAY	69	27.00	132 59.70	62	11 30 06	?	9	X	X	BOTT
KUGMALL IT BAY	69	25.00	132 58.20	62	11 30 18	?	17	X	X	BOTT
KUGMALL IT BAY	69	23.40	132 59.40	62	11 30 19	?	7	X	X	BOTT
KUGMALL IT BAY	69	24.20	132 58.80	62	11 30 19	?	10	X	X	BOTT
KUGMALL IT BAY	69	23.80	132 59.40	62	11 30 20	?	5	X	X	BOTT
KUGMALL IT BAY	69	24.30	132 59.50	62	11 30 20	?	16	X	X	BOTT
KUGMALL IT BAY	69	23.40	132 59.40	62	11 30 22	?	7	X	X	BOTT
KUGMALL IT BAY	69	24.50	132 58.60	62	11 30 23	?	21	X	X	BOTT
KUGMALL IT BAY	69	25.00	132 58.20	62	11 30 23	?	17	X	X	BOTT
KUGMALL IT BAY	69	26.30	132 57.90	62	12 01 00	?	8	X	X	BOTT
KUGMALL IT BAY	69	24.70	132 58.60	62	12 01 18	?	26	X	X	BOTT

KUGMALL IT BAY	69	24.70	132	58.60	62	12	01	23	?	26	X	X	BOTT
KUGMALL IT BAY	69	23.80	132	59.40	62	12	02	12	?	11	X	X	BOTT
KUGMALL IT BAY	69	24.50	132	58.60	62	12	02	12	?	21	X	X	BOTT
KUGMALL IT BAY	69	25.90	132	58.80	62	12	02	12	?	21	X	X	BOTT
KUGMALL IT BAY	69	26.30	132	57.70	62	12	02	12	?	8	X	X	BOTT
KUGMALL IT BAY	69	23.40	132	59.30	62	12	03	18	?	8	X	X	BOTT
KUGMALL IT BAY	69	23.40	132	59.40	62	12	03	19	?	7	X	X	BOTT
KUGMALL IT BAY	69	24.90	132	58.10	62	12	03	19	?	7	X	X	BOTT
KUGMALL IT BAY	69	24.50	132	58.60	62	12	03	21	?	21	X	X	BOTT
KUGMALL IT BAY	69	24.70	132	58.60	62	12	03	22	?	26	X	X	BOTT
KUGMALL IT BAY	69	24.90	132	58.60	62	12	03	22	?	20	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.20	62	12	03	23	?	17	X	X	BOTT
KUGMALL IT BAY	69	23.40	132	59.40	62	12	04	00	?	7	X	X	BOTT
KUGMALL IT BAY	69	24.50	132	58.60	62	12	04	00	?	21	X	X	BOTT
KUGMALL IT BAY	69	24.70	132	58.60	62	12	04	00	?	26	X	X	BOTT
KUGMALL IT BAY	69	24.90	132	58.60	62	12	04	00	?	20	X	X	BOTT
KUGMALL IT BAY	69	25.10	132	58.60	62	12	04	17	?	7	X	X	BOTT
KUGMALL IT BAY	69	26.20	132	59.20	62	12	04	17	?	14	X	X	BOTT
KUGMALL IT BAY	69	26.20	132	59.20	62	12	04	18	?	14	X	X	BOTT
KUGMALL IT BAY	69	25.10	132	58.60	62	12	04	19	?	7	X	X	BOTT
KUGMALL IT BAY	69	26.80	133	02.00	62	12	04	20	?	10	X	X	BOTT
KUGMALL IT BAY	69	25.10	132	58.60	62	12	04	22	?	7	X	X	BOTT
KUGMALL IT BAY	69	26.20	132	59.20	62	12	04	22	?	14	X	X	BOTT
KUGMALL IT BAY	69	25.10	132	58.60	62	12	05	00	?	7	X	X	BOTT
KUGMALL IT BAY	69	26.20	132	58.60	62	12	05	00	?	14	X	X	BOTT
KUGMALL IT BAY	69	26.80	133	02.00	62	12	05	01	?	10	X	X	BOTT
KUGMALL IT BAY	69	25.10	132	58.60	62	12	05	03	?	7	X	X	BOTT
KUGMALL IT BAY	69	26.20	132	59.20	62	12	05	04	?	14	X	X	BOTT
KUGMALL IT BAY	69	26.80	133	02.00	62	12	05	04	?	10	X	X	BOTT
KUGMALL IT BAY	69	24.20	132	58.80	62	12	05	17	?	10	X	X	BOTT
KUGMALL IT BAY	69	24.30	132	59.50	62	12	05	18	?	16	X	X	BOTT
KUGMALL IT BAY	69	26.00	132	58.80	62	12	05	18	?	21	X	X	BOTT
KUGMALL IT BAY	69	26.00	132	59.80	62	12	05	19	?	11	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.80	62	12	05	20	?	12	X	X	BOTT
KUGMALL IT BAY	69	26.90	132	59.60	62	12	05	20	?	5	X	X	BOTT
KUGMALL IT BAY	69	26.00	132	58.80	62	12	05	21	?	21	X	X	BOTT
KUGMALL IT BAY	69	24.20	132	58.80	62	12	05	22	?	10	X	X	BOTT
KUGMALL IT BAY	69	24.30	132	59.50	62	12	05	22	?	16	X	X	BOTT
KUGMALL IT BAY	69	26.00	132	59.80	62	12	05	22	?	11	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.00	62	12	07	18	?	4	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.10	62	12	07	18	?	5	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.10	62	12	07	22	?	5	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.00	62	12	07	23	?	5	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.10	62	12	07	23	?	6	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.40	62	12	07	23	?	20	X	X	BOTT
KUGMALL IT BAY	69	24.70	132	58.60	62	12	08	00	?	26	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.10	62	12	08	00	?	7	X	X	BOTT
KUGMALL IT BAY	69	23.80	132	59.40	62	12	08	17	?	11	X	X	BOTT
KUGMALL IT BAY	69	24.70	132	58.60	62	12	08	19	?	26	X	X	BOTT
KUGMALL IT BAY	69	26.00	132	58.80	62	12	08	19	?	21	X	X	BOTT
KUGMALL IT BAY	69	38.20	133	14.30	62	12	09	19	?	4	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 62-0004  
YEAR: 1962 VESSEL/AGENCY: NRC

AREA	STN	LAT		LON		DATE				CAST	WATER	PARAM		INSTR	INT NO
		DEG	MIN	DEG	MIN	YR	MO	DY	HR	TO	DEPTH	MEAS	S	T	HR
										(M)	(M)	C			
KUGMALL IT BAY		69	25.00	132	58.10	62	12	14	20	?	5	X		X	BOTT
KUGMALL IT BAY		69	25.00	132	58.40	62	12	14	21	?	20	X		X	BOTT
KUGMALL IT BAY		69	25.00	132	58.10	62	12	24	21	?	5	X		X	BOTT
KUGMALL IT BAY		69	25.00	132	58.40	62	12	24	22	?	20	X		X	BOTT
KUGMALL IT BAY		69	25.00	132	58.40	63	01	01	21	?	20	X		X	BOTT
KUGMALL IT BAY		69	25.00	132	58.10	63	01	01	22	?	5	X		X	BOTT
KUGMALL IT BAY		69	25.00	132	58.40	63	01	10	23	?	20	X		X	BOTT
KUGMALL IT BAY		69	25.00	132	58.10	63	01	11	00	?	5	X		X	BOTT
KUGMALL IT BAY		69	25.00	132	58.10	63	01	18	20	?	5	X		X	BOTT
KUGMALL IT BAY		69	25.00	132	58.40	63	01	18	20	?	20	X		X	BOTT
KUGMALL IT BAY		69	25.00	132	58.40	63	01	27	21	?	20	X		X	BOTT
KUGMALL IT BAY		69	25.00	132	58.10	63	01	27	23	?	5	X		X	BOTT
KUGMALL IT BAY		69	25.00	132	58.40	63	02	07	21	?	20	X		X	BOTT
KUGMALL IT BAY		69	25.00	132	58.10	63	02	07	23	?	5	X		X	BOTT
KUGMALL IT BAY		69	25.00	132	58.40	63	02	11	21	?	20	X		X	BOTT
KUGMALL IT BAY		69	25.00	132	58.10	63	02	11	23	?	5	X		X	BOTT
KUGMALL IT BAY		69	25.00	132	58.40	63	02	24	20	?	20	X		X	BOTT

KUGMALL IT BAY	69	25.00	132	58.10	63	02	24	21	?	5	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.10	63	03	07	20	?	5	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.40	63	03	08	00	?	20	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.40	63	03	17	21	?	20	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.10	63	03	18	00	?	5	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.40	63	03	25	21	?	20	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.10	63	03	25	23	?	5	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.40	63	04	03	21	?	20	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.40	63	04	09	21	?	20	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.10	63	04	09	22	?	5	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.10	63	05	01	17	?	5	X	X	BOTT
KUGMALL IT BAY	69	25.00	132	58.40	63	05	01	17	?	20	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 63-0001  
YEAR:1963 VESSEL/AGENCY: SALVELINUS

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
AMUNDSEN GULF	0001	70 09.02	124 40.02	63 06 21 ?	0	?	X	X	BOTT
AMUNDSEN GULF	0001	70 09.02	124 40.02	63 06 26 ?	0	?	X	X	BOTT
AMUNDSEN GULF	0001	70 09.02	124 40.02	63 06 29 ?	4	?	X	X	BOTT
AMUNDSEN GULF	0001	70 09.02	124 40.02	63 07 02 ?	8	?	X	X	BOTT
AMUNDSEN GULF	0001	70 08.50	124 40.40	63 07 03 ?	5	?	X	X	BOTT
AMUNDSEN GULF	0001	70 08.50	124 40.40	63 07 04 ?	6	?	X	X	BOTT
AMUNDSEN GULF	0002	70 08.60	124 41.50	63 07 05 ?	5	?	X	X	BOTT
AMUNDSEN GULF	0001	70 09.02	124 40.02	63 07 14 ?	3	?	X	X	BOTT
AMUNDSEN GULF	0001	70 09.02	124 40.02	63 07 15 ?	2	?	X	X	BOTT
AMUNDSEN GULF	0001	70 09.02	124 40.02	63 07 16 ?	3	?	X	X	BOTT
AMUNDSEN GULF	0001	70 07.80	124 37.10	63 07 18 ?	0	?	X	X	BOTT
AMUNDSEN GULF	0001	70 09.02	124 40.02	63 07 18 ?	2	?	X	X	BOTT
AMUNDSEN GULF	0003	70 09.70	124 30.80	63 07 19 ?	0	?	X	X	BOTT
AMUNDSEN GULF	0001	70 09.02	124 40.02	63 07 20 ?	0	?	X	X	BOTT
AMUNDSEN GULF	0004	70 06.20	125 09.00	63 07 24 ?	30	?	X	X	BOTT
AMUNDSEN GULF	0005	70 02.50	125 26.00	63 07 25 ?	91	?	X	X	BOTT
AMUNDSEN GULF	0006	70 02.90	126 00.00	63 07 25 ?	178	?	X	X	BOTT
AMUNDSEN GULF	0007	69 23.50	125 40.50	63 07 26 ?	10	?	X	X	BOTT
AMUNDSEN GULF	0007	69 22.90	125 40.50	63 07 30 ?	13	?	X	X	BOTT
AMUNDSEN GULF	0007	69 25.60	125 40.50	63 07 31 ?	18	?	X	X	BOTT
AMUNDSEN GULF	0008	69 25.60	125 48.50	63 08 01 ?	0	?	X	X	BOTT
AMUNDSEN GULF	0009	69 39.30	125 35.10	63 08 01 ?	14	?	X	X	BOTT
AMUNDSEN GULF	0010	70 02.10	125 22.30	63 08 01 ?	45	?	X	X	BOTT
AMUNDSEN GULF	0004	70 06.00	125 01.50	63 08 02 ?	0	?	X	X	BOTT
AMUNDSEN GULF	0011	70 05.80	126 02.50	63 08 03 ?	180	?	X	X	BOTT
AMUNDSEN GULF	0004	70 07.70	124 55.50	63 08 04 ?	31	?	X	X	BOTT
AMUNDSEN GULF	0012	70 03.90	125 28.50	63 08 04 ?	80	?	X	X	BOTT
AMUNDSEN GULF	0013	70 10.60	124 47.00	63 08 04 ?	20	?	X	X	BOTT
AMUNDSEN GULF	0014	70 17.90	123 55.00	63 08 05 ?	166	?	X	X	BOTT
AMUNDSEN GULF	0015	70 11.40	124 16.70	63 08 07 ?	63	?	X	X	BOTT
AMUNDSEN GULF	0016	70 10.00	124 02.70	63 08 07 ?	0	?	X	X	BOTT
AMUNDSEN GULF	0017	70 11.00	124 16.80	63 08 07 ?	0	?	X	X	BOTT
AMUNDSEN GULF	0018	70 09.40	124 30.00	63 08 09 ?	27	?	X	X	BOTT
AMUNDSEN GULF	0019	69 49.70	123 05.50	63 08 12 ?	80	?	X	X	BOTT
AMUNDSEN GULF	0020	69 39.30	123 33.30	63 08 12 ?	58	?	X	X	BOTT
AMUNDSEN GULF	0021	69 22.40	124 27.50	63 08 13 ?	7	?	X	X	BOTT
AMUNDSEN GULF	0022	69 27.00	124 17.00	63 08 13 ?	30	?	X	X	BOTT
AMUNDSEN GULF	0023	70 07.20	125 01.90	63 08 19 ?	7	?	X	X	BOTT
AMUNDSEN GULF	0024	69 55.10	125 56.00	63 08 20 ?	160	?	X	X	BOTT
AMUNDSEN GULF	0025	69 52.00	125 54.00	63 08 20 ?	75	?	X	X	BOTT
AMUNDSEN GULF	0026	69 52.20	125 49.00	63 08 20 ?	55	?	X	X	BOTT
AMUNDSEN GULF	0027	70 04.00	125 10.00	63 08 20 ?	125	?	X	X	BOTT
AMUNDSEN GULF	0028	70 11.50	124 50.00	63 08 20 ?	43	?	X	X	BOTT
AMUNDSEN GULF	0029	70 08.70	124 33.90	63 08 22 ?	4	?	X	X	BOTT
AMUNDSEN GULF	0029	70 08.70	124 33.90	63 08 23 ?	4	?	X	X	BOTT
AMUNDSEN GULF	0028	70 11.50	124 50.00	63 08 24 ?	0	?	X	X	BOTT
AMUNDSEN GULF	0031	70 16.00	125 42.50	63 08 25 ?	0	?	X	X	BOTT
AMUNDSEN GULF	0030	70 07.20	125 03.60	63 08 26 ?	13	?	X	X	BOTT
AMUNDSEN GULF	0032	70 14.30	124 34.40	63 08 28 ?	65	?	X	X	BOTT
AMUNDSEN GULF	0001	70 09.02	124 40.02	63 09 02 ?	4	?	X	X	BOTT
AMUNDSEN GULF	0033	70 10.70	124 30.60	63 09 05 ?	0	?	X	X	BOTT
AMUNDSEN GULF	0034	70 14.00	124 36.50	63 09 05 ?	80	?	X	X	BOTT
AMUNDSEN GULF	0035	70 13.50	124 39.60	63 09 05 ?	66	?	X	X	BOTT
AMUNDSEN GULF	0001	70 08.50	124 40.40	63 09 09 ?	7	?	X	X	BOTT
AMUNDSEN GULF	0001	70 09.02	124 40.02	63 09 09 ?	5	?	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 63-0002  
 YEAR:1963 VESSEL/AGENCY: NRC

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
KUGMALL IT BAY	1	69 23.80	132 59.40	63 05 02 16	?	9	X	X BOTT	
KUGMALL IT BAY	1	69 25.00	132 58.80	63 05 02 16	?	13	X	X BOTT	
KUGMALL IT BAY	1	69 25.10	132 58.60	63 05 02 16	?	7	X	X BOTT	
KUGMALL IT BAY	1	69 26.20	132 59.20	63 05 02 16	?	14	X	X BOTT	
KUGMALL IT BAY	2	69 25.00	132 58.80	63 05 02 17	?	13	X	X BOTT	
KUGMALL IT BAY	2	69 25.10	132 58.60	63 05 02 17	?	7	X	X BOTT	
KUGMALL IT BAY	2	69 23.80	132 59.40	63 05 02 18	?	9	X	X BOTT	
KUGMALL IT BAY	2	69 26.20	132 59.20	63 05 02 18	?	14	X	X BOTT	
KUGMALL IT BAY	3	69 23.80	132 59.40	63 05 02 19	?	9	X	X BOTT	
KUGMALL IT BAY	3	69 25.00	132 58.80	63 05 02 19	?	13	X	X BOTT	
KUGMALL IT BAY	3	69 25.10	132 59.20	63 05 02 19	?	14	X	X BOTT	
KUGMALL IT BAY	3	69 25.10	132 58.60	63 05 02 19	?	7	X	X BOTT	
KUGMALL IT BAY	4	69 25.00	132 58.80	63 05 02 20	?	13	X	X BOTT	
KUGMALL IT BAY	4	69 26.10	132 58.60	63 05 02 20	?	7	X	X BOTT	
KUGMALL IT BAY	4	69 26.20	132 59.20	63 05 02 20	?	14	X	X BOTT	
KUGMALL IT BAY	4	69 23.80	132 59.40	63 05 02 21	?	9	X	X BOTT	
KUGMALL IT BAY	5	69 26.20	132 59.20	63 05 02 21	?	14	X	X BOTT	
KUGMALL IT BAY	5	69 23.80	132 59.40	63 05 02 22	?	9	X	X BOTT	
KUGMALL IT BAY	5	69 25.00	132 58.80	63 05 02 22	?	13	X	X BOTT	
KUGMALL IT BAY	5	69 25.10	132 58.60	63 05 02 22	?	7	X	X BOTT	
KUGMALL IT BAY	6	69 25.00	132 58.80	63 05 02 23	?	13	X	X BOTT	
KUGMALL IT BAY	6	69 25.10	132 58.60	63 05 02 23	?	7	X	X BOTT	
KUGMALL IT BAY	6	69 23.80	132 59.40	63 05 03 00	?	9	X	X BOTT	
KUGMALL IT BAY	6	69 26.20	132 59.20	63 05 03 00	?	14	X	X BOTT	
KUGMALL IT BAY	7	69 23.80	132 59.40	63 05 03 01	?	9	X	X BOTT	
KUGMALL IT BAY	7	69 25.00	132 58.80	63 05 03 01	?	13	X	X BOTT	
KUGMALL IT BAY	7	69 25.10	132 58.60	63 05 03 01	?	7	X	X BOTT	
KUGMALL IT BAY	7	69 26.20	132 59.20	63 05 03 01	?	14	X	X BOTT	
KUGMALL IT BAY	8	69 25.00	132 58.80	63 05 03 02	?	13	X	X BOTT	
KUGMALL IT BAY	8	69 25.10	132 58.60	63 05 03 02	?	7	X	X BOTT	
KUGMALL IT BAY	8	69 23.80	132 59.40	63 05 03 03	?	9	X	X BOTT	
KUGMALL IT BAY	8	69 26.20	132 59.20	63 05 03 03	?	14	X	X BOTT	
KUGMALL IT BAY	9	69 23.80	132 59.40	63 05 03 04	?	9	X	X BOTT	
KUGMALL IT BAY	9	69 25.00	132 58.80	63 05 03 04	?	13	X	X BOTT	
KUGMALL IT BAY	9	69 25.10	132 58.60	63 05 03 04	?	7	X	X BOTT	
KUGMALL IT BAY	9	69 26.20	132 59.20	63 05 03 04	?	14	X	X BOTT	
KUGMALL IT BAY	1	69 26.90	132 59.50	63 05 04 15	?	4	X	X BOTT	
KUGMALL IT BAY	1	69 26.90	132 59.60	63 05 04 15	?	6	X	X BOTT	
KUGMALL IT BAY		69 26.80	133 02.00	63 05 04 16	?	3	X	X BOTT	
KUGMALL IT BAY		69 26.80	133 02.00	63 05 04 17	?	3	X	X BOTT	
KUGMALL IT BAY	2	69 26.80	132 59.50	63 05 04 17	?	4	X	X BOTT	
KUGMALL IT BAY	2	69 26.90	132 59.60	63 05 04 17	?	6	X	X BOTT	
KUGMALL IT BAY		69 26.80	133 02.00	63 05 04 18	?	3	X	X BOTT	
KUGMALL IT BAY	3	69 26.80	132 59.60	63 05 04 18	?	6	X	X BOTT	
KUGMALL IT BAY	3	69 26.90	132 59.50	63 05 04 18	?	4	X	X BOTT	
KUGMALL IT BAY		69 26.80	133 02.00	63 05 04 20	?	3	X	X BOTT	
KUGMALL IT BAY	4	69 26.80	132 59.50	63 05 04 20	?	4	X	X BOTT	
KUGMALL IT BAY	4	69 26.80	132 59.60	63 05 04 20	?	6	X	X BOTT	
KUGMALL IT BAY		69 26.80	133 02.00	63 05 04 21	?	3	X	X BOTT	
KUGMALL IT BAY	5	69 26.80	132 59.50	63 05 04 21	?	4	X	X BOTT	
KUGMALL IT BAY	5	69 26.80	132 59.60	63 05 04 21	?	6	X	X BOTT	
KUGMALL IT BAY		69 26.80	133 02.00	63 05 04 23	?	3	X	X BOTT	
KUGMALL IT BAY	6	69 26.80	132 58.60	63 05 04 23	?	6	X	X BOTT	
KUGMALL IT BAY	6	69 26.80	132 59.50	63 05 04 23	?	4	X	X BOTT	
KUGMALL IT BAY		69 26.80	133 02.00	63 05 05 00	?	3	X	X BOTT	
KUGMALL IT BAY	7	69 26.80	132 59.50	63 05 05 00	?	4	X	X BOTT	
KUGMALL IT BAY	7	69 26.80	132 59.60	63 05 05 00	?	6	X	X BOTT	
KUGMALL IT BAY		69 26.80	133 02.00	63 05 05 02	?	3	X	X BOTT	
KUGMALL IT BAY	8	69 26.80	132 59.60	63 05 05 02	?	6	X	X BOTT	
KUGMALL IT BAY	8	69 26.90	132 59.50	63 05 05 02	?	4	X	X BOTT	
KUGMALL IT BAY	9	69 26.80	132 59.60	63 05 05 03	?	6	X	X BOTT	
KUGMALL IT BAY	9	69 26.90	132 59.50	63 05 05 03	?	4	X	X BOTT	
KUGMALL IT BAY		69 26.80	133 02.00	63 05 05 04	?	3	X	X BOTT	

BOTTLE/CTD DATA SET NUMBER: 63-0003  
YEAR:1963 VESSEL/AGENCY: NRC

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
KUGMALL IT BAY	1	69 23.40	132 59.50	63 07 26 20	?	10	X	X BOTT	
KUGMALL IT BAY	2	69 23.80	132 59.50	63 07 26 21	?	10	X	X BOTT	
KUGMALL IT BAY	3	69 24.10	132 58.90	63 07 26 22	?	13	X	X BOTT	
KUGMALL IT BAY	4	69 24.30	132 59.50	63 07 26 23	?	13	X	X BOTT	
KUGMALL IT BAY	5	69 24.50	132 58.70	63 07 27 00	?	25	X	X BOTT	
KUGMALL IT BAY	6	69 24.70	132 58.60	63 07 27 01	?	27	X	X BOTT	
KUGMALL IT BAY	7	69 24.90	132 58.50	63 07 27 02	?	21	X	X BOTT	
KUGMALL IT BAY	8	69 25.00	132 58.20	63 07 27 02	?	17	X	X BOTT	
KUGMALL IT BAY	9	69 26.60	133 02.20	63 07 27 16	?	11	X	X BOTT	
KUGMALL IT BAY		69 26.00	132 58.70	63 07 27 17	?	9	X	X BOTT	
KUGMALL IT BAY		69 26.40	132 57.90	63 07 27 17	?	5	X	X BOTT	
KUGMALL IT BAY		69 26.50	132 59.30	63 07 27 17	?	13	X	X BOTT	
KUGMALL IT BAY		69 26.00	132 59.80	63 07 27 18	?	10	X	X BOTT	
KUGMALL IT BAY		69 25.50	132 58.70	63 07 27 20	?	22	X	X BOTT	
KUGMALL IT BAY		69 25.00	132 58.10	63 07 28 02	?	5	X	X BOTT	
KUGMALL IT BAY		69 25.00	132 58.10	63 07 28 02	?	16	X	X BOTT	
KUGMALL IT BAY		69 27.00	132 59.60	63 07 29 00	?	4	X	X BOTT	
KUGMALL IT BAY		69 27.10	133 00.20	63 07 29 01	?	9	X	X BOTT	
KUGMALL IT BAY		69 28.10	133 02.90	63 07 29 01	?	4	X	X BOTT	
KUGMALL IT BAY		69 30.80	133 08.60	63 07 29 02	?	4	X	X BOTT	
KUGMALL IT BAY		69 34.60	133 10.40	63 07 29 02	?	4	X	X BOTT	
KUGMALL IT BAY		69 38.70	133 12.50	63 07 29 03	?	5	X	X BOTT	
KUGMALL IT BAY		69 24.70	132 58.60	63 08 15 23	?	27	X	X BOTT	
KUGMALL IT BAY		69 38.70	133 12.50	63 09 13 21	?	6	X	X BOTT	
KUGMALL IT BAY		69 34.60	133 10.40	63 09 13 22	?	4	X	X BOTT	
KUGMALL IT BAY		69 28.00	133 02.90	63 09 13 23	?	4	X	X BOTT	
KUGMALL IT BAY		69 30.80	133 08.60	63 09 13 23	?	4	X	X BOTT	
KUGMALL IT BAY		69 27.10	133 00.20	63 09 14 00	?	9	X	X BOTT	
KUGMALL IT BAY		69 27.00	132 59.60	63 09 14 01	?	4	X	X BOTT	
KUGMALL IT BAY		69 26.60	133 02.20	63 09 14 20	?	11	X	X BOTT	
KUGMALL IT BAY		69 26.50	132 59.30	63 09 14 21	?	14	X	X BOTT	
KUGMALL IT BAY		69 26.00	132 58.70	63 09 15 15	?	9	X	X BOTT	
KUGMALL IT BAY		69 26.40	132 57.90	63 09 15 15	?	5	X	X BOTT	
KUGMALL IT BAY		69 25.60	132 58.80	63 09 15 16	?	22	X	X BOTT	
KUGMALL IT BAY		69 26.00	132 59.80	63 09 15 16	?	10	X	X BOTT	
KUGMALL IT BAY		69 24.90	132 58.50	63 09 15 17	?	20	X	X BOTT	
KUGMALL IT BAY		69 24.70	132 58.60	63 09 15 18	?	27	X	X BOTT	
KUGMALL IT BAY		69 25.00	132 58.20	63 09 15 18	?	17	X	X BOTT	
KUGMALL IT BAY		69 24.50	132 58.70	63 09 15 21	?	25	X	X BOTT	
KUGMALL IT BAY		69 24.10	132 58.90	63 09 15 22	?	13	X	X BOTT	
KUGMALL IT BAY		69 24.30	132 59.50	63 09 15 22	?	13	X	X BOTT	
KUGMALL IT BAY		69 23.40	132 59.40	63 09 15 23	?	10	X	X BOTT	
KUGMALL IT BAY		69 23.80	132 59.50	63 09 15 23	?	10	X	X BOTT	
KUGMALL IT BAY		69 25.00	132 58.10	63 09 16 15	?	12	X	X BOTT	
KUGMALL IT BAY		69 25.00	132 58.10	63 09 16 16	?	5	X	X BOTT	

BOTTLE/CTD DATA SET NUMBER: 64-0001  
YEAR:1964 VESSEL/AGENCY: SALVELINUS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
AMUNDSEN GULF	0001	70 08.95	124 39.90	64 07 04 ?	6	?	X X	X BOTT	
AMUNDSEN GULF	0001	70 08.82	124 39.80	64 07 05 ?	9	?	X X	X BOTT	
AMUNDSEN GULF	0001	70 08.95	124 40.20	64 07 10 ?	3	?	X X	X BOTT	
AMUNDSEN GULF	0001	70 08.87	124 40.00	64 07 25 ?	9	?	X X	X BOTT	
AMUNDSEN GULF	0001	70 08.97	124 40.18	64 07 29 ?	2	?	X X	X BOTT	
AMUNDSEN GULF	0001	70 08.97	124 40.18	64 07 29 ?	11	?	X X	X BOTT	
AMUNDSEN GULF	0001	70 08.97	124 40.18	64 07 31 ?	0	?	X	X BOTT	
AMUNDSEN GULF	0001	70 08.10	124 39.60	64 08 05 ?	4	?	X	X BOTT	
AMUNDSEN GULF	0001	70 08.95	124 39.90	64 08 05 ?	3	?	X X	X BOTT	
AMUNDSEN GULF	0001	70 08.95	124 39.90	64 08 05 ?	6	?	X X	X BOTT	
AMUNDSEN GULF	0001	70 08.95	124 40.20	64 08 05 ?	2	?	X X	X BOTT	

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AMUNDSEN GULF	0001	70 08.95	124 40.20	64 08 06 ?	0	?		X	BOTT
AMUNDSEN GULF	0001	70 08.10	124 39.60	64 08 08 ?	0	?		X	BOTT
AMUNDSEN GULF	0001	70 08.95	124 39.90	64 08 08 ?	0	?		X	BOTT
AMUNDSEN GULF	0001	70 08.95	124 40.20	64 08 08 ?	0	?		X	BOTT
AMUNDSEN GULF	0001	70 08.95	124 40.20	64 08 09 ?	0	?		X	BOTT
AMUNDSEN GULF	0001	70 08.95	124 39.90	64 08 10 ?	8	?	X	X	BOTT
AMUNDSEN GULF	0001	70 08.95	124 40.20	64 08 13 ?	4	?	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 64-0002  
 YEAR:1964 VESSEL/AGENCY: NORTHWIND

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	17	70 09.00	132 16.00	64 08 19 ?	18	20	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 66-0011  
 YEAR:1966 VESSEL/AGENCY: INUVIK RES. LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
ESKIMO LAKES		68 46.	133 20.	66 11 11 ?	0	33	X	X	BOTT
ESKIMO LAKES		68 46.	133 20.	66 11 17 ?	0	33		X	BOTT
ESKIMO LAKES		68 46.	133 20.	66 12 09 ?	0	33		X	BOTT
ESKIMO LAKES		68 46.	133 20.	66 12 12 ?	0	33		X	BOTT
ESKIMO LAKES		68 46.	133 20.	66 12 14 ?	0	33		X	BOTT
ESKIMO LAKES		68 46.	133 20.	66 12 23 ?	0	33		X	BOTT
ESKIMO LAKES		68 46.	133 20.	66 12 30 ?	0	33		X	BOTT
ESKIMO LAKES		68 46.	133 20.	67 01 04 ?	0	33		X	BOTT
ESKIMO LAKES		68 46.	133 20.	67 01 13 ?	33	33	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 69-0001  
 YEAR:1969 VESSEL/AGENCY: STATEN ISLAND

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA		71 19.50	137 39.50	69 08 08 15	?	1784	X	X	BOTT
BEAUFORT SEA		70 05.50	136 38.00	69 08 09 18	?	34	X	X	BOTT
BEAUFORT SEA		70 01.00	139 00.00	69 08 10 05	?	184	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 70-0001  
 YEAR:1970 VESSEL/AGENCY: AIDJEX PILOT

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA		72 19.60	136 16.20	70 03 24 20	498	?	X	X	BOTT
BEAUFORT SEA		72 24.40	136 17.10	70 03 24 21	500	?	X	X	BOTT
BEAUFORT SEA		72 19.30	136 17.90	70 03 24 23	350	?	X	X	BOTT
BEAUFORT SEA		72 27.90	136 44.00	70 03 26 17	500	?	X	X	BOTT
BEAUFORT SEA		72 34.10	136 45.10	70 03 26 17	500	?	X	X	BOTT
BEAUFORT SEA		72 28.50	136 46.00	70 03 26 20	500	?	X	X	BOTT
BEAUFORT SEA		72 29.00	136 47.00	70 03 26 23	500	?	X	X	BOTT
BEAUFORT SEA		72 33.20	136 46.90	70 03 26 23	500	?	X	X	BOTT
BEAUFORT SEA		72 28.00	136 50.90	70 03 27 17	500	?	X	X	BOTT
BEAUFORT SEA		72 29.90	136 50.00	70 03 27 17	500	?	X	X	BOTT
BEAUFORT SEA		72 27.50	136 50.90	70 03 27 20	500	?	X	X	BOTT
BEAUFORT SEA		72 31.10	136 50.50	70 03 27 20	500	?	X	X	BOTT
BEAUFORT SEA		72 27.00	136 50.90	70 03 27 23	500	?	X	X	BOTT
BEAUFORT SEA		72 31.30	136 51.00	70 03 27 23	500	?	X	X	BOTT
BEAUFORT SEA		72 22.80	136 47.10	70 03 29 17	500	?	X	X	BOTT
BEAUFORT SEA		72 28.20	136 48.00	70 03 29 17	500	?	X	X	BOTT
BEAUFORT SEA		72 27.90	136 47.60	70 03 29 20	500	?	X	X	BOTT
BEAUFORT SEA	500	72 22.70	136 47.10	70 03 29 20	500	?	X	X	BOTT
BEAUFORT SEA		72 22.60	136 47.10	70 03 29 23	500	?	X	X	BOTT
BEAUFORT SEA		72 27.50	136 47.20	70 03 29 23	500	?	X	X	BOTT
BEAUFORT SEA		72 23.30	136 54.20	70 03 30 17	500	?	X	X	BOTT
BEAUFORT SEA		72 27.50	136 53.30	70 03 30 17	500	?	X	X	BOTT
BEAUFORT SEA		72 23.50	136 57.00	70 03 30 20	500	?	X	X	BOTT
BEAUFORT SEA		72 24.20	137 04.20	70 03 30 20	500	?	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 70-0002  
 YEAR:1970 VESSEL/AGENCY: HUDSON

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA		70 08.40	139 15.90	70 08 28 19	?	210	X	X	BOTT
BEAUFORT SEA		70 37.00	139 29.00	70 08 30 19	?	1426	X	X	BOTT
BEAUFORT SEA		70 22.00	139 42.00	70 08 30 23	?	509	X	X	BOTT
BEAUFORT SEA		70 10.30	139 52.60	70 08 31 00	?	62	X	X	BOTT
BEAUFORT SEA		69 59.30	140 15.70	70 08 31 02	?	54	X	X	BOTT
BEAUFORT SEA		69 42.00	140 38.00	70 08 31 04	?	26	X	X	BOTT
BEAUFORT SEA		70 41.30	134 41.50	70 09 06 16	?	58	X	X	BOTT
BEAUFORT SEA		70 26.50	134 17.50	70 09 06 18	?	62	X	X	BOTT
BEAUFORT SEA		70 17.00	134 00.00	70 09 06 19	?	45	X	X	BOTT
BEAUFORT SEA		70 57.40	135 03.40	70 09 07 23	?	468	X	X	BOTT
BEAUFORT SEA		70 52.40	134 57.00	70 09 08 01	?	140	X	X	BOTT
BEAUFORT SEA		70 46.50	134 50.00	70 09 08 02	?	73	X	X	BOTT
BEAUFORT SEA		70 38.70	129 39.40	70 09 12 22	?	21	X	X	BOTT
BEAUFORT SEA		71 26.80	130 53.90	70 09 14 15	?	313	X	X	BOTT
BEAUFORT SEA		71 16.60	130 37.60	70 09 14 17	?	62	X	X	BOTT
BEAUFORT SEA		71 07.00	130 17.80	70 09 14 19	?	44	X	X	BOTT
BEAUFORT SEA		70 56.80	130 03.60	70 09 14 21	?	38	X	X	BOTT
BEAUFORT SEA		70 50.00	129 52.00	70 09 14 22	?	32	X	X	BOTT
BEAUFORT SEA		69 56.50	134 33.00	70 09 18 15	?	15	X	X	BOTT
BEAUFORT SEA		69 51.00	135 20.00	70 09 19 08	?	17	X	X	BOTT
BEAUFORT SEA		71 15.80	127 57.60	70 09 23 13	?	106	X	X	BOTT
BEAUFORT SEA		71 02.00	125 44.00	70 09 23 18	?	410	X	X	BOTT
PR. WALES STR.		70 49.80	123 30.50	70 09 24 05	?	523	X	X	BOTT
PR. WALES STR.		71 20.00	119 24.00	70 09 24 15	?	137	X	X	BOTT
BEAUFORT SEA		71 59.00	119 30.00	70 09 24 19	?	118	X	X	BOTT



BOTTLE/CTD DATA SET NUMBER: 70-0003  
YEAR:1970 VESSEL/AGENCY: RICHARDSON

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
KUGMALL IT BAY	69	30.50	133 05.30	70 07 15 21	?	?	X	X	BOTT
KUGMALL IT BAY	69	30.60	133 10.90	70 07 15 22	4	?	X	X	BOTT
KUGMALL IT BAY	69	30.80	133 16.20	70 07 15 22	4	?	X	X	BOTT
KUGMALL IT BAY	69	32.20	133 16.50	70 07 15 23	3	?	X	X	BOTT
KUGMALL IT BAY	69	33.50	133 11.10	70 07 16 00	3	?	X	X	BOTT
KUGMALL IT BAY	69	34.60	133 02.90	70 07 16 00	4	?	X	X	BOTT
KUGMALL IT BAY	69	36.00	133 08.50	70 07 16 01	3	?	X	X	BOTT
KUGMALL IT BAY	69	37.50	133 14.60	70 07 16 01	4	?	X	X	BOTT
KUGMALL IT BAY	69	38.60	133 07.10	70 07 16 02	4	?	X	X	BOTT
KUGMALL IT BAY	69	39.50	133 40.00	70 07 17 23	5	?	X	X	BOTT
KUGMALL IT BAY	69	44.20	133 03.20	70 07 19 17	6	?	X	X	BOTT
KUGMALL IT BAY	69	42.20	132 55.40	70 07 19 18	5	?	X	X	BOTT
KUGMALL IT BAY	69	44.40	132 41.50	70 07 19 18	6	?	X	X	BOTT
KUGMALL IT BAY	69	45.20	132 37.40	70 07 19 19	6	?	X	X	BOTT
KUGMALL IT BAY	69	48.60	132 34.90	70 07 19 20	9	?	X	X	BOTT
KUGMALL IT BAY	69	51.70	132 35.90	70 07 19 20	14	?	X	X	BOTT
KUGMALL IT BAY	69	52.70	132 54.70	70 07 19 21	12	?	X	X	BOTT
KUGMALL IT BAY	69	51.50	133 10.10	70 07 19 22	?	?	X	X	BOTT
KUGMALL IT BAY	69	47.70	133 05.20	70 07 19 23	10	?	X	X	BOTT
KUGMALL IT BAY	69	42.20	133 03.60	70 07 20 00	7	?	X	X	BOTT
KUGMALL IT BAY	69	45.00	133 03.60	70 07 20 00	9	?	X	X	BOTT
KUGMALL IT BAY	69	34.80	133 11.50	70 07 22 15	6	?	X	X	BOTT
KUGMALL IT BAY	69	31.90	133 07.20	70 07 23 15	3	?	X	X	BOTT
KUGMALL IT BAY	69	33.50	133 03.00	70 07 23 17	5	?	X	X	BOTT
KUGMALL IT BAY	69	47.30	133 44.50	70 07 24 17	7	?	X	X	BOTT
KUGMALL IT BAY	69	41.50	133 37.50	70 07 24 18	9	?	X	X	BOTT
KUGMALL IT BAY	69	44.70	133 34.50	70 07 24 18	?	?	X	X	BOTT
KUGMALL IT BAY	69	52.20	133 35.70	70 07 24 19	?	?	X	X	BOTT
KUGMALL IT BAY	69	43.00	134 02.00	70 07 24 20	?	?	X	X	BOTT
KUGMALL IT BAY	69	47.40	134 04.00	70 07 24 21	15	?	X	X	BOTT
KUGMALL IT BAY	69	51.20	134 06.40	70 07 24 22	10	?	X	X	BOTT
KUGMALL IT BAY	69	54.60	134 08.40	70 07 24 22	7	?	X	X	BOTT
KUGMALL IT BAY	69	58.50	134 10.60	70 07 24 23	4	?	X	X	BOTT
KUGMALL IT BAY	69	51.70	134 22.70	70 07 25 00	3	?	X	X	BOTT
KUGMALL IT BAY	69	49.60	134 20.10	70 07 27 16	?	?	X	X	BOTT
KUGMALL IT BAY	69	49.30	134 31.50	70 07 27 19	?	?	X	X	BOTT
KUGMALL IT BAY	69	51.40	134 42.00	70 07 27 23	5	?	X	X	BOTT
KUGMALL IT BAY	69	48.40	134 40.90	70 07 28 00	9	?	X	X	BOTT
KUGMALL IT BAY	69	48.40	134 40.90	70 08 23 20	?	?	X	X	BOTT
KUGMALL IT BAY	69	47.40	134 04.70	70 08 25 15	?	?	X	X	BOTT
KUGMALL IT BAY	69	50.00	134 09.90	70 08 25 16	?	?	X	X	BOTT
KUGMALL IT BAY	69	51.30	134 12.80	70 08 25 17	?	?	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 71-0001  
YEAR:1971 VESSEL/AGENCY: SALVELINUS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
KUGMALL IT BAY	501	69 24.40	132 58.90	71 07 18 03	24	24	X	X	BOTT
TUK. SHELF	502	69 49.30	132 41.50	71 07 19 00	8	10	X	X	BOTT
TUK. SHELF	503	69 58.40	132 57.00	71 07 19 06	17	19	X	X	BOTT
TUK. SHELF	504	70 16.00	131 40.00	71 07 19 14	36	38	X	X	BOTT
TUK. SHELF	505	70 13.20	131 06.00	71 07 19 20	15	17	X	X	BOTT
LIVERPOOL BAY	506	69 59.40	129 13.20	71 07 20 21	11	13	X	X	BOTT
MACKENZIE BAY	01	69 49.30	132 41.50	71 07 18 ?	0	?		X	BOTT
ESKIMO LAKES	01	69 33.00	131 07.30	71 07 23 ?	11	?	X	X	BOTT
ESKIMO LAKES	03	69 34.60	131 12.60	71 07 23 ?	3	?	X	X	BOTT
ESKIMO LAKES	01	69 33.50	131 29.00	71 07 24 ?	7	?	X	X	BOTT
ESKIMO LAKES	02	69 31.20	131 34.50	71 07 25 ?	75	?	X	X	BOTT
ESKIMO LAKES	02	69 31.40	131 10.40	71 07 26 ?	27	?	X	X	BOTT
ESKIMO LAKES	03	69 27.80	131 06.40	71 07 26 ?	28	?	X	X	BOTT
ESKIMO LAKES	01	69 19.50	130 54.50	71 07 29 ?	6	?	X	X	BOTT

LIVERPOOL BAY	01	69	49.20	130	20.00	71	07	30	?	15	?	X	X	BOTT
LIVERPOOL BAY	04	69	46.50	130	19.00	71	07	30	?	10	?	X	X	BOTT
ESKIMO LAKES	01	69	25.60	130	55.00	71	08	02	?	15	?	X	X	BOTT
ESKIMO LAKES	07	69	25.60	130	55.00	71	08	04	?	47	?	X	X	BOTT
LIVERPOOL BAY	04	69	43.70	130	22.00	71	08	06	?	10	?	X	X	BOTT
LIVERPOOL BAY	02	69	50.70	129	36.10	71	08	07	?	13	?	X	X	BOTT
LIVERPOOL BAY	05	69	56.70	129	42.30	71	08	07	?	6	?	X	X	BOTT
LIVERPOOL BAY	02	69	49.20	130	20.00	71	08	09	?	15	?	X	X	BOTT
LIVERPOOL BAY	03	69	40.80	130	35.00	71	08	09	?	1	?	X	X	BOTT
LIVERPOOL BAY	06	69	43.80	130	27.90	71	08	09	?	8	?	X	X	BOTT
LIVERPOOL BAY	04	69	24.42	130	55.42	71	08	16	?	23	?	X	X	BOTT
ESKIMO LAKES	04	69	25.60	130	55.00	71	09	01	?	50	?	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 71-0003  
YEAR:1971 VESSEL/AGENCY: AIDJEX

AREA	STN	LAT DEG MIN	LONG DEG MIN	YR	DATE MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR T	INT NO HR
BEAUFORT SEA	73	59.30	131 25.60	71	03 18 14	500	?	X	X	BOTT
BEAUFORT SEA	74	06.30	131 20.60	71	03 18 14	500	?	X	X	BOTT
BEAUFORT SEA	74	08.30	132 20.60	71	03 18 14	500	?	X	X	BOTT
BEAUFORT SEA	73	59.20	131 27.00	71	03 18 19	500	?	X	X	BOTT
BEAUFORT SEA	74	06.20	131 22.00	71	03 18 19	500	?	X	X	BOTT
BEAUFORT SEA	74	08.20	132 22.00	71	03 18 19	500	?	X	X	BOTT
BEAUFORT SEA	74	00.30	131 27.20	71	03 19 00	500	?	X	X	BOTT
BEAUFORT SEA	74	07.30	131 22.20	71	03 19 00	500	?	X	X	BOTT
BEAUFORT SEA	74	09.30	132 22.20	71	03 19 00	500	?	X	X	BOTT
BEAUFORT SEA	73	59.20	131 29.40	71	03 19 05	500	?	X	X	BOTT
BEAUFORT SEA	74	06.20	131 24.40	71	03 19 05	500	?	X	X	BOTT
BEAUFORT SEA	74	08.20	132 24.40	71	03 19 05	500	?	X	X	BOTT
BEAUFORT SEA	74	00.20	131 28.90	71	03 19 14	500	?	X	X	BOTT
BEAUFORT SEA	74	07.20	131 23.90	71	03 19 14	500	?	X	X	BOTT
BEAUFORT SEA	74	09.20	132 23.90	71	03 19 14	500	?	X	X	BOTT
BEAUFORT SEA	74	00.10	131 28.80	71	03 19 19	500	?	X	X	BOTT
BEAUFORT SEA	74	07.10	131 23.80	71	03 19 19	500	?	X	X	BOTT
BEAUFORT SEA	74	09.10	132 23.80	71	03 19 19	500	?	X	X	BOTT
BEAUFORT SEA	73	57.00	131 31.50	71	03 20 00	500	?	X	X	BOTT
BEAUFORT SEA	74	04.00	131 26.50	71	03 20 00	500	?	X	X	BOTT
BEAUFORT SEA	74	06.00	132 26.50	71	03 20 00	500	?	X	X	BOTT
BEAUFORT SEA	73	57.60	131 30.30	71	03 20 05	500	?	X	X	BOTT
BEAUFORT SEA	74	04.60	131 25.30	71	03 20 05	500	?	X	X	BOTT
BEAUFORT SEA	74	06.60	132 25.30	71	03 20 05	500	?	X	X	BOTT
BEAUFORT SEA	74	05.10	131 23.10	71	03 20 10	500	?	X	X	BOTT
BEAUFORT SEA	73	57.40	131 29.10	71	03 20 14	500	?	X	X	BOTT
BEAUFORT SEA	74	04.40	131 24.10	71	03 20 14	500	?	X	X	BOTT
BEAUFORT SEA	74	06.40	132 24.10	71	03 20 14	500	?	X	X	BOTT
BEAUFORT SEA	73	58.10	131 28.10	71	03 20 19	500	?	X	X	BOTT
BEAUFORT SEA	74	07.10	132 23.10	71	03 20 19	500	?	X	X	BOTT
BEAUFORT SEA	73	57.90	131 27.10	71	03 21 00	500	?	X	X	BOTT
BEAUFORT SEA	74	04.90	131 22.10	71	03 21 00	500	?	X	X	BOTT
BEAUFORT SEA	74	06.90	132 22.10	71	03 21 00	500	?	X	X	BOTT
BEAUFORT SEA	73	55.90	131 28.20	71	03 21 05	500	?	X	X	BOTT
BEAUFORT SEA	74	02.90	131 23.20	71	03 21 05	500	?	X	X	BOTT
BEAUFORT SEA	74	04.90	132 23.20	71	03 21 05	500	?	X	X	BOTT
BEAUFORT SEA	73	55.90	131 24.80	71	03 21 14	500	?	X	X	BOTT
BEAUFORT SEA	74	02.90	131 19.80	71	03 21 14	500	?	X	X	BOTT
BEAUFORT SEA	74	04.90	132 19.80	71	03 21 14	500	?	X	X	BOTT
BEAUFORT SEA	73	55.40	131 23.50	71	03 21 19	500	?	X	X	BOTT
BEAUFORT SEA	74	02.40	131 18.50	71	03 21 19	500	?	X	X	BOTT
BEAUFORT SEA	74	04.40	132 18.50	71	03 21 19	220	?	X	X	BOTT
BEAUFORT SEA	73	53.70	131 23.30	71	03 22 00	500	?	X	X	BOTT
BEAUFORT SEA	74	00.70	131 18.30	71	03 22 00	500	?	X	X	BOTT
BEAUFORT SEA	74	02.70	132 18.30	71	03 22 00	500	?	X	X	BOTT
BEAUFORT SEA	73	52.60	131 23.50	71	03 22 05	500	?	X	X	BOTT
BEAUFORT SEA	73	59.60	131 18.50	71	03 22 05	500	?	X	X	BOTT
BEAUFORT SEA	74	01.60	132 18.50	71	03 22 05	500	?	X	X	BOTT
BEAUFORT SEA	73	51.00	131 25.10	71	03 22 14	500	?	X	X	BOTT
BEAUFORT SEA	73	58.00	131 20.10	71	03 22 14	500	?	X	X	BOTT
BEAUFORT SEA	74	00.00	132 20.10	71	03 22 14	500	?	X	X	BOTT
BEAUFORT SEA	73	50.40	131 25.80	71	03 22 19	500	?	X	X	BOTT
BEAUFORT SEA	73	57.40	131 20.80	71	03 22 19	500	?	X	X	BOTT
BEAUFORT SEA	73	59.40	132 20.80	71	03 22 19	500	?	X	X	BOTT
BEAUFORT SEA	73	49.40	131 28.00	71	03 23 00	500	?	X	X	BOTT
BEAUFORT SEA	73	56.40	131 23.00	71	03 23 00	500	?	X	X	BOTT

BEAUFORT	SEA	73	58.40	132	23.00	71	03	23	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	46.80	131	31.60	71	03	23	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	53.80	131	26.60	71	03	23	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	55.80	132	26.60	71	03	23	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	46.00	131	31.90	71	03	23	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	53.00	131	26.90	71	03	23	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	55.00	132	26.90	71	03	23	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	44.90	131	32.00	71	03	23	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	51.90	131	27.00	71	03	23	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	53.90	132	27.00	71	03	23	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	45.70	131	30.00	71	03	24	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	52.70	131	25.00	71	03	24	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	54.70	132	25.00	71	03	24	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	43.40	131	31.80	71	03	24	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	50.40	131	26.80	71	03	24	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	52.40	132	26.80	71	03	24	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	43.40	131	28.00	71	03	24	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	50.40	131	23.00	71	03	24	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	52.40	132	23.00	71	03	24	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	42.70	131	25.10	71	03	24	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	49.70	131	20.10	71	03	24	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	51.70	132	20.10	71	03	24	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	41.70	131	21.30	71	03	25	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	48.70	131	16.30	71	03	25	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	50.70	132	16.30	71	03	25	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	41.30	131	20.70	71	03	25	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	48.30	131	15.70	71	03	25	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	50.30	132	15.70	71	03	25	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	41.20	131	20.80	71	03	25	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	48.20	131	15.80	71	03	25	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	50.20	132	15.80	71	03	25	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	41.70	131	20.30	71	03	25	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	48.70	131	15.30	71	03	25	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	50.70	132	15.30	71	03	25	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	42.20	131	19.70	71	03	26	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	49.20	131	14.70	71	03	26	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	51.20	132	14.70	71	03	26	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	41.70	131	20.50	71	03	26	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	48.70	131	15.50	71	03	26	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	50.70	132	15.50	71	03	26	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	41.30	131	20.90	71	03	26	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	48.30	131	15.90	71	03	26	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	50.30	132	15.90	71	03	26	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	42.00	131	20.20	71	03	26	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	49.00	131	15.20	71	03	26	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	51.00	132	15.20	71	03	26	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	41.20	131	20.90	71	03	27	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	48.20	131	15.90	71	03	27	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	50.20	132	15.90	71	03	27	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	40.50	131	21.60	71	03	27	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	47.50	131	16.60	71	03	27	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	49.50	132	16.60	71	03	27	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	41.00	131	21.00	71	03	27	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	48.00	131	16.00	71	03	27	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	50.00	132	16.00	71	03	27	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	40.60	131	21.60	71	03	27	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	47.60	131	16.60	71	03	27	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	49.60	132	16.60	71	03	27	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	40.60	131	21.60	71	03	27	20	500	?	X	X	BOTT
BEAUFORT	SEA	73	47.60	131	16.60	71	03	27	20	500	?	X	X	BOTT
BEAUFORT	SEA	73	47.30	131	17.00	71	03	27	21	500	?	X	X	BOTT
BEAUFORT	SEA	73	43.70	131	17.00	71	03	27	22	500	?	X	X	BOTT
BEAUFORT	SEA	73	47.30	131	17.00	71	03	27	23	500	?	X	X	BOTT
BEAUFORT	SEA	73	40.30	131	22.00	71	03	28	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	47.30	131	17.00	71	03	28	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	49.30	132	17.00	71	03	28	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	41.00	131	21.00	71	03	28	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	48.00	131	16.00	71	03	28	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	50.00	132	16.00	71	03	28	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	40.40	131	21.10	71	03	28	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	47.40	131	16.10	71	03	28	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	49.40	132	16.10	71	03	28	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	40.20	131	20.40	71	03	28	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	47.20	131	15.40	71	03	28	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	49.20	132	15.40	71	03	28	19	500	?	X	X	BOTT
BEAUFORT	SEA	73	39.60	131	20.20	71	03	29	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	46.60	131	15.20	71	03	29	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	48.60	132	15.20	71	03	29	00	500	?	X	X	BOTT
BEAUFORT	SEA	73	39.20	131	20.30	71	03	29	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	46.20	131	15.30	71	03	29	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	48.20	132	15.30	71	03	29	05	500	?	X	X	BOTT
BEAUFORT	SEA	73	39.80	131	19.80	71	03	29	14	500	?	X	X	BOTT
BEAUFORT	SEA	73	46.80	131	14.80	71	03	29	14	500	?	X	X	BOTT

BEAUFORT SEA	73	48.80	132	14.80	71	03	29	14	500	?	X	X	BOTT
BEAUFORT SEA	73	41.80	131	19.20	71	03	29	19	500	?	X	X	BOTT
BEAUFORT SEA	73	48.80	131	14.20	71	03	29	19	500	?	X	X	BOTT
BEAUFORT SEA	73	39.20	131	20.30	71	03	30	00	500	?	X	X	BOTT
BEAUFORT SEA	73	46.20	131	15.30	71	03	30	00	500	?	X	X	BOTT
BEAUFORT SEA	73	48.20	132	15.30	71	03	30	00	500	?	X	X	BOTT
BEAUFORT SEA	73	39.50	131	19.70	71	03	30	05	500	?	X	X	BOTT
BEAUFORT SEA	73	46.50	131	14.70	71	03	30	05	500	?	X	X	BOTT
BEAUFORT SEA	73	48.50	132	14.70	71	03	30	05	500	?	X	X	BOTT
BEAUFORT SEA	73	39.10	131	20.80	71	03	30	14	500	?	X	X	BOTT
BEAUFORT SEA	73	46.10	131	15.80	71	03	30	14	500	?	X	X	BOTT
BEAUFORT SEA	73	48.10	132	15.80	71	03	30	14	500	?	X	X	BOTT
BEAUFORT SEA	73	39.40	131	20.10	71	03	30	19	500	?	X	X	BOTT
BEAUFORT SEA	73	46.40	131	15.10	71	03	30	19	500	?	X	X	BOTT
BEAUFORT SEA	73	48.40	132	15.10	71	03	30	19	500	?	X	X	BOTT
BEAUFORT SEA	73	39.60	131	19.90	71	03	31	00	500	?	X	X	BOTT
BEAUFORT SEA	73	46.60	131	14.90	71	03	31	00	500	?	X	X	BOTT
BEAUFORT SEA	73	48.60	132	14.90	71	03	31	00	500	?	X	X	BOTT
BEAUFORT SEA	73	39.00	131	20.50	71	03	31	05	500	?	X	X	BOTT
BEAUFORT SEA	73	46.00	131	15.50	71	03	31	05	260	?	X	X	BOTT
BEAUFORT SEA	73	48.00	132	15.50	71	03	31	05	500	?	X	X	BOTT
BEAUFORT SEA	73	39.20	131	20.60	71	03	31	14	500	?	X	X	BOTT
BEAUFORT SEA	73	46.20	131	15.60	71	03	31	14	500	?	X	X	BOTT
BEAUFORT SEA	73	48.20	132	15.60	71	03	31	14	500	?	X	X	BOTT
BEAUFORT SEA	73	38.70	131	21.20	71	03	31	19	500	?	X	X	BOTT
BEAUFORT SEA	73	45.70	131	16.20	71	03	31	19	500	?	X	X	BOTT
BEAUFORT SEA	73	47.70	132	16.20	71	03	31	19	500	?	X	X	BOTT
BEAUFORT SEA	73	47.70	132	16.20	71	03	31	20	100	?	X	X	BOTT
BEAUFORT SEA	73	38.60	131	21.20	71	04	01	00	500	?	X	X	BOTT
BEAUFORT SEA	73	45.60	131	16.20	71	04	01	00	500	?	X	X	BOTT
BEAUFORT SEA	73	47.60	132	16.20	71	04	01	00	500	?	X	X	BOTT
BEAUFORT SEA	73	37.80	131	21.20	71	04	01	05	500	?	X	X	BOTT
BEAUFORT SEA	73	44.80	131	16.20	71	04	01	05	500	?	X	X	BOTT
BEAUFORT SEA	73	46.80	132	16.20	71	04	01	05	500	?	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 71-0004  
YEAR:1971 VESSEL/AGENCY: ARCTIC BIOL. STN.

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
ESKIMO LAKES	508	69 34.80	131 18.00	71 08 19 17	18	22	X	X	BOTT
ESKIMO LAKES	510	69 35.50	131 04.00	71 08 26 17	49	57	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	71 08 28 18	20	24	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	71 09 06 18	20	25	X	X	BOTT
ESKIMO LAKES	510	69 35.50	131 04.00	71 09 09 19	50	65	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	71 12 15 19	20	22	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 72-0001  
YEAR:1972 VESSEL/AGENCY: BEDFORD INST. OCEANOGRAPHY

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	70	44.70	129 53.80	72 03 21 20	?	26	X	X	BOTT
BEAUFORT SEA	70	52.70	130 04.10	72 03 21 22	?	30	X	X	BOTT
BEAUFORT SEA	71	00.90	130 24.00	72 03 22 17	?	45	X	X	BOTT
BEAUFORT SEA	71	33.20	131 20.10	72 03 24 19	?	300	X	X	BOTT
BEAUFORT SEA	71	05.80	130 53.50	72 03 25 00	?	50	X	X	BOTT
BEAUFORT SEA	71	20.90	130 58.50	72 03 25 16	?	260	X	X	BOTT
BEAUFORT SEA	70	58.30	135 12.30	72 03 27 17	?	300	X	X	BOTT
BEAUFORT SEA	70	50.90	135 00.20	72 03 27 20	?	114	X	X	BOTT
BEAUFORT SEA	70	44.80	134 50.80	72 03 27 22	?	68	X	X	BOTT
BEAUFORT SEA	70	40.90	134 44.80	72 03 27 23	?	49	X	X	BOTT
BEAUFORT SEA	69	45.30	140 29.50	72 03 31 17	?	30	X	X	BOTT
BEAUFORT SEA	69	59.90	140 10.40	72 03 31 19	?	75	X	X	BOTT
BEAUFORT SEA	70	11.90	139 59.00	72 03 31 21	?	150	X	X	BOTT

BEAUFORT SEA	70	22.70	139	46.30	72	04	01	16	?	300	X	X	BOTT
BEAUFORT SEA	70	37.30	139	20.60	72	04	01	19	?	300	X	X	BOTT
BEAUFORT SEA	71	00.40	138	23.10	72	04	01	21	?	300	X	X	BOTT
BEAUFORT SEA	70	37.40	138	27.20	72	04	02	00	?	300	X	X	BOTT
BEAUFORT SEA	70	24.00	138	33.40	72	04	02	16	?	300	X	X	BOTT
BEAUFORT SEA	70	09.00	138	31.30	72	04	02	18	?	300	X	X	BOTT
BEAUFORT SEA	70	00.10	138	29.70	72	04	02	20	?	270	X	X	BOTT
BEAUFORT SEA	69	48.50	138	26.40	72	04	02	22	?	186	X	X	BOTT
BEAUFORT SEA	69	36.40	138	12.90	72	04	03	00	?	142	X	X	BOTT
BEAUFORT SEA	70	41.40	137	29.10	72	04	03	16	?	300	X	X	BOTT
BEAUFORT SEA	71	05.80	137	47.70	72	04	03	18	?	300	X	X	BOTT
BEAUFORT SEA	70	28.50	136	30.60	72	04	03	21	?	300	X	X	BOTT
BEAUFORT SEA	70	26.40	137	27.70	72	04	03	23	?	300	X	X	BOTT
BEAUFORT SEA	70	26.00	134	20.80	72	04	05	21	?	52	X	X	BOTT
BEAUFORT SEA	70	25.10	133	28.60	72	04	05	22	?	40	X	X	BOTT
BEAUFORT SEA	71	19.70	139	59.00	72	04	07	17	?	230	X	X	BOTT
BEAUFORT SEA	71	27.20	132	05.00	72	04	07	19	?	300	X	X	BOTT
BEAUFORT SEA	71	17.20	133	03.60	72	04	07	21	?	300	X	X	BOTT
BEAUFORT SEA	71	07.50	132	54.90	72	04	07	23	?	100	X	X	BOTT
BEAUFORT SEA	71	03.00	133	58.80	72	04	09	16	?	300	X	X	BOTT
BEAUFORT SEA	71	12.20	134	16.50	72	04	09	18	?	300	X	X	BOTT
BEAUFORT SEA	70	52.40	135	53.50	72	04	09	20	?	300	X	X	BOTT
BEAUFORT SEA	70	40.70	135	43.60	72	04	09	22	?	200	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 72-0003  
 YEAR:1972 VESSEL/AGENCY: FF SLANEY SLANEY CO. LTD.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE DLTA	7	69 22.5	134 24.	72 08 08 ?	?	?	X	?	?
MACKENZIE DLTA	7	69 22.5	134 24.	72 08 26 ?	?	?	X	?	?
MACKENZIE DLTA	7	69 22.5	134 24.	72 09 09 ?	?	?	X	?	?
MACKENZIE DLTA	4	69 23.0	134 42.	72 09 09 ?	?	?	X	?	?
MACKENZIE BAY	8	69 31.5	135 09.	72 09 09 ?	?	?	X	?	?
MACKENZIE BAY	9	69 37.0	135 00.	72 09 10 ?	?	?	X	?	?

BOTTLE/CTD DATA SET NUMBER: 72-0004  
 YEAR:1972 VESSEL/AGENCY: SALVELINUS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
ESKIMO LAKES	508	69 34.80	131 18.00	72 03 17 23	20	20	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	72 05 18 22	20	23	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	72 07 09 18	20	21	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	72 07 22 03	20	22	X	X	BOTT
ESKIMO LAKES	510	69 36.50	131 04.00	72 07 23 19	50	61	X	X	BOTT
ESKIMO LAKES	510	69 36.50	131 04.00	72 07 28 21	50	61	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	72 07 29 03	18	19	X	X	BOTT
ESKIMO LAKES	510	69 36.50	131 04.00	72 08 04 01	50	51	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	72 08 04 18	18	20	X	X	BOTT
ESKIMO LAKES	510	69 36.50	131 04.00	72 08 10 15	50	60	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	72 08 11 16	20	21	X	X	BOTT
LIVERPOOL BAY	08	69 48.00	130 20.00	72 08 17 ?	0	?		X	BOTT
LIVERPOOL BAY	02	69 50.50	130 11.00	72 08 18 ?	0	?	X	X	BOTT
ESKIMO LAKES	510	69 36.50	131 04.00	72 08 17 15	50	60	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	72 08 18 16	20	20	X	X	BOTT
ESKIMO LAKES	513	69 22.00	131 08.00	72 08 21 18	28	30	X	X	BOTT
ESKIMO LAKES	514	69 27.00	131 06.00	72 08 21 20	30	35	X	X	BOTT
ESKIMO LAKES	515A	69 33.00	131 12.00	72 08 21 22	25	27	X	X	BOTT
ESKIMO LAKES	519	69 27.00	130 55.00	72 08 23 18	40	45	X	X	BOTT
ESKIMO LAKES	518	69 25.00	130 47.00	72 08 23 21	13	15	X	X	BOTT
ESKIMO LAKES	517	69 32.00	130 40.00	72 08 24 00	5	6	X	X	BOTT
ESKIMO LAKES	516	69 32.00	130 55.00	72 08 24 01	6	4	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	72 08 25 13	20	22	X	X	BOTT
ESKIMO LAKES		69 33.00	131 27.00	72 08 25 18	?	33	X	X	BOTT

ESKIMO LAKES	520	69	30.00	131	39.00	72	08	25	20	40	43	X	X	BOTT
ESKIMO LAKES	521	69	26.00	131	53.00	72	08	25	22	6	8	X	X	BOTT
ESKIMO LAKES	522	69	20.00	132	05.00	72	08	26	01	20	23	X	X	BOTT
ESKIMO LAKES	523	69	17.00	132	14.00	72	08	26	02	8	9	X	X	BOTT
ESKIMO LAKES	524	69	14.00	132	21.00	72	08	26	13	5	6	X	X	BOTT
ESKIMO LAKES	525	69	09.00	132	29.00	72	08	26	16	8	9	X	X	BOTT
ESKIMO LAKES	510	69	36.50	131	04.00	72	08	28	15	50	58	X	X	BOTT
ESKIMO LAKES	515	69	32.00	131	11.00	72	08	29	16	39	41	X	X	BOTT
ESKIMO LAKES	508	69	34.80	131	18.00	72	08	29	20	22	22	X	X	BOTT
ESKIMO LAKES	508	69	34.80	131	18.00	72	09	04	19	15	16	X	X	BOTT
ESKIMO LAKES	508	69	34.80	131	18.00	72	11	25	21	17	18	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 72-0006  
 YEAR:1972 VESSEL/AGENCY: FF SLANEY SLANEY CO. LTD.

AREA	STN	LAT DEG MIN	Lon DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE DLTA	A1	69 25.	135 01.	72 07 05 ?	0	?	X	X	?
MACKENZIE DLTA	A2	69 23.	134 59.	72 07 05 ?	0	?	X	X	?
MACKENZIE DLTA	A3	69 22.	134 57.	72 07 06 ?	0	?	X	X	?
MACKENZIE DLTA	A4	69 23.	134 52.	72 07 06 ?	0	?	X	X	?
MACKENZIE DLTA	A5	69 22.	134 55.	72 07 06 ?	0	?	X	X	?
MACKENZIE DLTA	A6	69 19.	134 56.	72 07 09 ?	0	?	X	X	?
MACKENZIE DLTA	A7	69 14.	134 59.	72 07 09 ?	0	?	X	X	?
MACKENZIE DLTA	A8	69 11.	135 00.	72 07 09 ?	0	?	X	X	?
MACKENZIE DLTA	A9	69 10.	135 06.	72 07 09 ?	0	?	X	X	?
MACKENZIE DLTA	B7	69 00.	134 37.	72 07 11 ?	0	?	X	X	?
MACKENZIE DLTA	BB	69 05.	134 21.	72 07 11 ?	0	?	X	X	?
MACKENZIE DLTA	B1	69 18.	134 05.	72 07 14 ?	0	?	X	X	?
MACKENZIE DLTA	B2	69 15.	134 11.	72 07 14 ?	0	?	X	X	?
MACKENZIE DLTA	B4	69 08.	134 21.	72 07 15 ?	0	?	X	X	?
MACKENZIE DLTA	BA	69 11.	134 10.	72 07 15 ?	0	?	X	X	?
MACKENZIE DLTA	B3	69 14.	134 12.	72 07 16 ?	0	?	X	X	?
MACKENZIE DLTA	B5	69 01.	134 37.	72 07 17 ?	0	?	X	X	?
MACKENZIE DLTA	B6	69 01.	134 42.	72 07 18 ?	0	?	X	X	?
MACKENZIE DLTA	A1	69 25.	135 01.	72 08 02 ?	0	?	X	X	?
MACKENZIE DLTA	A2	69 23.	134 59.	72 08 02 ?	0	?	X	X	?
MACKENZIE DLTA	A3	69 22.	134 57.	72 08 03 ?	0	?	X	X	?
MACKENZIE DLTA	A4	69 23.	134 52.	72 08 03 ?	0	?	X	X	?
MACKENZIE DLTA	A5	69 22.	134 55.	72 08 04 ?	0	?	X	X	?
MACKENZIE DLTA	A6	69 19.	134 56.	72 08 04 ?	0	?	X	X	?
MACKENZIE DLTA	A7	69 14.	134 59.	72 08 05 ?	0	?	X	X	?
MACKENZIE DLTA	A8	69 11.	135 00.	72 08 05 ?	0	?	X	X	?
MACKENZIE DLTA	A9	69 10.	135 06.	72 08 06 ?	0	?	X	X	?
MACKENZIE DLTA	B1	69 18.	134 05.	72 08 07 ?	0	?	X	X	?
MACKENZIE DLTA	B2	69 15.	134 11.	72 08 07 ?	0	?	X	X	?
MACKENZIE DLTA	B3	69 14.	134 12.	72 08 08 ?	0	?	X	X	?
MACKENZIE DLTA	B4	69 08.	134 21.	72 08 08 ?	0	?	X	X	?
MACKENZIE DLTA	B5	69 01.	134 37.	72 08 10 ?	0	?	X	X	?
MACKENZIE DLTA	B6	69 01.	134 42.	72 08 10 ?	0	?	X	X	?
MACKENZIE DLTA	B7	69 00.	134 37.	72 08 11 ?	0	?	X	X	?

BOTTLE/CTD DATA SET NUMBER: 72-0007  
 YEAR:1972 VESSEL/AGENCY: FF SLANEY SLANEY CO. LTD.

AREA	STN	LAT DEG MIN	Lon DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE BAY	A11	69 37.20	134 40.00	72 07 06 ?	2	2	X	X	MART
MACKENZIE BAY	A12	69 37.00	134 40.60	72 07 06 ?	1	1	X	X	MART
MACKENZIE BAY	5D	69 36.90	134 35.00	72 07 07 ?	3	3	X	X	MART
MACKENZIE BAY	SS	69 37.50	134 41.00	72 07 07 ?	3	3	X	X	MART
MACKENZIE BAY	A13	69 37.20	134 41.20	72 07 07 ?	3	3	X	X	MART
MACKENZIE BAY	A1	69 37.20	134 40.60	72 07 08 ?	3	3	X	X	MART
MACKENZIE BAY	A1	69 37.20	134 40.60	72 07 08 ?	3	3	X	X	MART
MACKENZIE BAY	SS	69 37.50	134 41.00	72 07 08 ?	3	3	X	X	MART

MACKENZIE BAY	7C	69	37.40	134	31.50	72	07	09	?	3	3	X	X	MART
MACKENZIE BAY	7D	69	39.00	134	00.30	72	07	09	?	3	3	X	X	MART
MACKENZIE BAY	7E	69	41.20	134	28.00	72	07	09	?	3	3	X	X	MART
MACKENZIE BAY	1B	69	30.40	134	34.80	72	07	10	?	1	1	X	X	MART
MACKENZIE BAY	2A	69	32.00	134	36.00	72	07	10	?	2	2	X	X	MART
MACKENZIE BAY	2B	69	31.70	134	37.90	72	07	10	?	1	1	X	X	MART
MACKENZIE BAY	5A	69	32.50	134	37.00	72	07	10	?	2	2	X	X	MART
MACKENZIE BAY	5B	69	33.90	134	39.50	72	07	10	?	2	2	X	X	MART
MACKENZIE BAY	5E					72	07	10	?	2	2	X	X	MART
MACKENZIE BAY	7A	69	34.00	134	34.50	72	07	10	?	2	2	X	X	MART
MACKENZIE BAY	7B	69	35.70	134	33.20	72	07	10	?	3	3	X	X	MART
MACKENZIE BAY	3C	69	30.70	134	53.40	72	07	11	?	3	3	X	X	MART
MACKENZIE BAY	6A	69	40.60	134	33.00	72	07	19	?	4	4	X	X	MART
MACKENZIE BAY	6B	69	40.00	134	38.90	72	07	19	?	4	4	X	X	MART
MACKENZIE BAY	10B	69	32.10	134	26.90	72	07	19	?	1	1	X	X	MART
MACKENZIE BAY	6C	69	39.50	134	43.50	72	07	20	?	4	4	X	X	MART
MACKENZIE BAY	6D	69	39.00	134	48.50	72	07	20	?	4	4	X	X	MART
MACKENZIE BAY	6E	69	38.40	134	53.20	72	07	20	?	3	3	X	X	MART
MACKENZIE BAY	3A	69	33.10	135	02.30	72	08	02	?	1	1	X	X	MART
MACKENZIE BAY	3B	69	31.90	134	57.70	72	08	02	?	2	2	X	X	MART
MACKENZIE BAY	4A	69	32.40	134	41.90	72	08	02	?	1	1	X	X	MART
MACKENZIE BAY	4C	69	32.80	134	51.90	72	08	02	?	2	2	X	X	MART
MACKENZIE BAY	A1	69	37.20	134	40.60	72	08	03	?	3	3	X	X	MART
MACKENZIE BAY	SS	69	37.50	134	41.00	72	08	03	?	3	3	X	X	MART
MACKENZIE BAY	5D	69	36.90	134	35.00	72	08	04	?	2	2	X	X	MART
MACKENZIE BAY	6C	69	39.50	134	43.50	72	08	05	?	4	4	X	X	MART
MACKENZIE BAY	5A	69	32.50	134	37.00	72	08	09	?	1	1	X	X	MART
MACKENZIE BAY	9D	69	36.70	134	20.60	72	08	09	?	2	2	X	X	MART
MACKENZIE BAY	10B	69	32.10	134	26.90	72	08	09	?	2	2	X	X	MART
MACKENZIE BAY	10E	69	31.60	134	12.10	72	08	09	?	2	2	X	X	MART
MACKENZIE BAY	7C	69	37.40	134	31.50	72	08	10	?	3	3	X	X	MART
MACKENZIE BAY	7E	69	41.20	134	28.00	72	08	10	?	4	4	X	X	MART
MACKENZIE BAY	3B	69	31.90	134	57.70	72	08	16	?	2	2	X	X	MART
MACKENZIE BAY	7C	69	37.40	134	31.50	72	08	16	?	3	3	X	X	MART
MACKENZIE BAY	7E	69	41.20	134	28.00	72	08	16	?	2	2	X	X	MART
MACKENZIE BAY	10B	69	32.10	134	26.90	72	08	16	?	1	1	X	X	MART
MACKENZIE BAY	1B	69	30.40	134	34.80	72	08	17	?	1	1	X	X	MART
MACKENZIE BAY	5A	69	32.50	134	37.00	72	08	17	?	1	1	X	X	MART
MACKENZIE BAY	6C	69	39.50	134	43.50	72	08	17	?	4	4	X	X	MART
MACKENZIE BAY	9B	69	34.60	134	28.50	72	08	17	?	2	2	X	X	MART
MACKENZIE BAY	4C	69	32.80	134	51.90	72	08	18	?	2	2	X	X	MART
MACKENZIE BAY	8A	69	41.30	134	10.50	72	08	18	?	3	3	X	X	MART
MACKENZIE BAY	9D	69	36.70	134	20.60	72	08	18	?	1	1	X	X	MART
MACKENZIE BAY	5D	69	36.90	134	35.00	72	08	19	?	2	2	X	X	MART
MACKENZIE BAY	A1	69	37.20	134	40.60	72	08	19	?	3	3	X	X	MART
MACKENZIE BAY	SS	69	37.50	134	41.00	72	08	19	?	3	3	X	X	MART
MACKENZIE BAY	3B	69	31.90	134	57.70	72	09	10	?	2	2	X	X	MART
MACKENZIE BAY	5A	69	32.50	134	37.00	72	09	10	?	1	1	X	X	MART
MACKENZIE BAY	5D	69	36.90	134	35.00	72	09	10	?	2	2	X	X	MART
MACKENZIE BAY	6C	69	39.50	134	43.50	72	09	10	?	4	4	X	X	MART
MACKENZIE BAY	7C	69	37.40	134	31.50	72	09	10	?	3	3	X	X	MART
MACKENZIE BAY	A1	69	37.20	134	40.60	72	09	10	?	3	3	X	X	MART
MACKENZIE BAY	E1	69	28.00	134	36.60	72	09	13	?	?	?	X	X	MART
MACKENZIE BAY	E2					72	09	13	?	?	?	X	X	MART
MACKENZIE BAY	E3	69	28.50	134	23.50	72	09	14	?	?	?	X	X	MART
MACKENZIE BAY	E4	69	28.80	134	21.00	72	09	14	?	?	?	X	X	MART
MACKENZIE BAY	E5A	69	28.80	134	18.50	72	09	15	?	?	?	X	X	MART
MACKENZIE BAY	E6A	69	28.30	134	18.00	72	09	15	?	?	?	X	X	MART
MACKENZIE BAY	E6	69	27.60	134	08.20	72	09	16	?	?	?	X	X	MART
MACKENZIE BAY	E7	69	26.80	134	06.00	72	09	16	?	?	?	X	X	MART
MACKENZIE BAY	E8	69	27.40	134	04.90	72	09	17	?	?	?	X	X	MART
MACKENZIE BAY	E9	69	30.00	134	06.90	72	09	17	?	?	?	X	X	MART
MACKENZIE BAY	E11	69	35.80	134	07.30	72	09	19	?	?	?	X	X	MART
MACKENZIE BAY	E12	69	38.00	134	05.50	72	09	19	?	?	?	X	X	MART

BOTTLE/CTD DATA SET NUMBER: 72-0118  
YEAR:1972 VESSEL/AGENCY: AQUATIC ENV.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
YUKON COASTAL	CLAR	69 38.	140 49.	72 07 03	?	2.0	2.0	X X	?
YUKON COASTAL	NANAL	69 33.	139 30.	72 07 13	?	4.0	4.0	X X	?
YUKON COASTAL	PHIL	69 15.	138 31.	72 07 18	?	1.5	1.5	X X	?
YUKON COASTAL	NANAL	69 33.	139 30.	72 08 06	?	1.5	1.5	X X	?

YUKON COASTAL BS 69 33.2 139 30. 72 08 06 ? 8.0 8.0 X X ?

BOTTLE/CTD DATA SET NUMBER: 73-0001  
YEAR:1973 VESSEL/AGENCY: FF SLANEY SLANEY CO. LTD.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE BAY	6C	69 39.50	134 43.50	73 03 20 ?	?	5	X	X	?
MACKENZIE BAY	A11	69 37.20	134 40.00	73 03 20 ?	?	3	X	X	?
MACKENZIE BAY	5D	69 36.90	134 35.00	73 03 21 ?	?	3	X	X	?
MACKENZIE BAY	7B	69 35.70	134 33.20	73 03 21 ?	?	3	X	X	?
MACKENZIE BAY	SS	69 37.50	134 41.00	73 03 21 ?	?	4	X	X	?
MACKENZIE BAY	A12	69 37.00	134 40.60	73 03 21 ?	?	3	X	X	?
MACKENZIE BAY	A13	69 37.20	134 41.20	73 03 21 ?	?	3	X	X	?

BOTTLE/CTD DATA SET NUMBER: 73-0002  
YEAR:1973 VESSEL/AGENCY: ARCTIC BIOL. STN.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
KUGMALLIT BAY	526	69 23.70	132 59.60	73 07 20 16	7	8	X	X YSI	
KUGMALLIT BAY	527	69 30.00	133 15.00	73 07 20 21	5	5	X	X YSI	
KUGMALLIT BAY	528	69 50.00	132 22.00	73 07 22 21	7	7	X	X YSI	
TUK. SHELF	529	70 01.00	131 26.00	73 07 23 01	10	12	X	X YSI	
TUK. SHELF	530	70 11.00	130 50.00	73 07 23 15	9	9	X	X YSI	
TUK. SHELF	531	70 23.00	130 01.00	73 07 23 19	14	15	X	X YSI	
TUK. SHELF	543A	70 31.00	130 07.00	73 07 23 23	15	?	X	X YSI	
TUK. SHELF	543B	70 31.00	130 07.00	73 07 23 23	15	?	X	X YSI	
TUK. SHELF	532	70 43.00	130 14.00	73 07 24 00	35	36	X	X YSI	
TUK. SHELF	533	70 56.00	130 14.00	73 07 24 04	40	42	X	X YSI	
KUGMALLIT BAY	534	69 43.00	133 06.00	73 07 24 23	6	7	X	X YSI	
KUGMALLIT BAY	535	69 40.00	133 53.00	73 07 25 23	5	6	X	X YSI	
MACKENZIE BAY	536	69 50.00	134 30.00	73 07 26 03	8	9	X	X YSI	
MACKENZIE BAY	537	69 48.00	135 17.00	73 07 26 06	9	9	X	X YSI	
MACKENZIE BAY	538	69 33.00	136 00.00	73 07 26 19	5	5	X	X YSI	
MACKENZIE BAY	539	69 17.00	136 34.00	73 07 26 22	3	3	X	X YSI	
MACKENZIE BAY	540	69 02.00	137 12.00	73 07 27 02	4	4	X	X YSI	
MACKENZIE BAY	541	69 14.00	137 54.00	73 07 27 18	30	34	X	X YSI	
MACKENZIE BAY	542	69 32.00	138 18.00	73 07 27 23	90	94	X	X YSI	

BOTTLE/CTD DATA SET NUMBER: 73-0003A  
YEAR:1973 VESSEL/AGENCY: ARCTIC BIOL. STN.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
ESKIMO LAKES	508	69 34.80	131 18.00	73 02 24 02	20	23	X	X BOTT	
ESKIMO LAKES	515	69 32.00	131 11.00	73 05 20 20	40	47	X	X BOTT	
ESKIMO LAKES	508	69 34.80	131 18.00	73 05 21 00	20	22	X	X BOTT	
ESKIMO LAKES	508	69 34.80	131 18.00	73 06 21 17	20	24	X	X BOTT	
ESKIMO LAKES	515	69 32.00	131 11.00	73 06 26 22	9	41	X	X BOTT	
ESKIMO LAKES	508	69 34.80	131 18.00	73 06 28 15	20	24	X	X BOTT	
ESKIMO LAKES	515	69 32.00	131 11.00	73 07 05 17	40	41	X	X BOTT	
ESKIMO LAKES	508	69 34.80	131 18.00	73 07 07 20	20	23	X	X BOTT	
ESKIMO LAKES	515	69 32.00	131 11.00	73 07 11 19	40	43	X	X BOTT	
ESKIMO LAKES	508	69 34.80	131 18.00	73 07 19 17	20	26	X	X BOTT	
ESKIMO LAKES	515	69 32.00	131 11.00	73 07 19 22	40	42	X	X BOTT	



ESKIMO LAKES	515	69	32.00	131	11.00	73	07	27	18	40	43	X	X	BOTT
ESKIMO LAKES	508	69	34.80	131	18.00	73	07	27	23	20	25	X	X	BOTT
ESKIMO LAKES	508	69	34.80	131	18.00	73	08	03	17	20	24	X	X	BOTT
ESKIMO LAKES	515	69	32.00	131	11.00	73	08	03	21	40	41	X	X	BOTT
ESKIMO LAKES	515	69	32.00	131	11.00	73	08	13	14	40	44	X	X	BOTT
ESKIMO LAKES	508	69	34.80	131	18.00	73	08	13	16	20	25	X	X	BOTT
ESKIMO LAKES	515	69	32.00	131	11.00	73	08	16	18	40	44	X	X	BOTT
ESKIMO LAKES	515	69	32.00	131	11.00	73	08	23	15	40	44	X	X	BOTT
ESKIMO LAKES	508	69	34.80	131	18.00	73	08	23	21	20	24	X	X	BOTT
ESKIMO LAKES	515	69	32.00	131	11.00	73	09	30	18	46	47	X	X	BOTT
ESKIMO LAKES	508	69	34.80	131	18.00	73	10	01	17	20	23	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 73-0003B  
YEAR:1973 VESSEL/AGENCY: ARCTIC BIOL. STN.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
ESKIMO LAKES	E1	69 31.00	131 24.00	73 07 04 17	60	62	X	X	YSI
ESKIMO LAKES	E2	69 31.00	131 35.00	73 07 04 20	40	48	X	X	YSI
ESKIMO LAKES	E3	69 24.50	131 57.00	73 07 04 22	5	7	X	X	YSI
ESKIMO LAKES	E4	69 21.00	132 05.00	73 07 04 23	12	14	X	X	YSI
ESKIMO LAKES	E6	69 14.00	132 19.00	73 07 05 02	10	18	X	X	YSI
ESKIMO LAKES	E5	69 17.50	132 12.00	73 07 05 11	15	18	X	X	YSI
ESKIMO LAKES	E6	69 14.00	132 19.00	73 07 10 00	10	12	X	X	YSI
ESKIMO LAKES	E1	69 31.00	131 24.00	73 07 10 15	60	62	X	X	YSI
ESKIMO LAKES	E2	69 31.00	131 35.00	73 07 10 18	50	56	X	X	YSI
ESKIMO LAKES	E3	69 24.50	131 57.00	73 07 10 20	7	9	X	X	YSI
ESKIMO LAKES	E4	69 21.00	132 05.00	73 07 10 22	15	17	X	X	YSI
ESKIMO LAKES	E5	69 17.50	132 12.00	73 07 10 23	15	18	X	X	YSI
ESKIMO LAKES	E5	69 17.50	132 12.00	73 07 24 00	15	18	X	X	YSI
ESKIMO LAKES	E1	69 31.00	131 24.00	73 07 24 15	50	56	X	X	YSI
ESKIMO LAKES	E2	69 31.00	131 35.00	73 07 24 17	50	53	X	X	YSI
ESKIMO LAKES	E4	69 21.00	132 05.00	73 07 24 21	15	17	X	X	YSI
ESKIMO LAKES	E3	69 24.50	131 57.00	73 07 24 23	7	9	X	X	YSI
ESKIMO LAKES	E6	69 14.00	132 19.00	73 07 25 00	15	19	X	X	YSI
ESKIMO LAKES	E5	69 17.50	132 12.00	73 08 01 22	20	23	X	X	YSI
ESKIMO LAKES	E1	69 31.00	131 24.00	73 08 02 15	50	53	X	X	YSI
ESKIMO LAKES	E2	69 31.00	131 35.00	73 08 02 17	60	62	X	X	YSI
ESKIMO LAKES	E3	69 24.50	131 57.00	73 08 02 19	7	8	X	X	YSI
ESKIMO LAKES	E4	69 21.00	132 05.00	73 08 02 21	7	10	X	X	YSI
ESKIMO LAKES	E6	69 14.00	132 19.00	73 08 03 00	15	17	X	X	YSI
ESKIMO LAKES	E5	69 17.50	132 12.00	73 08 12 00	15	19	X	X	YSI
ESKIMO LAKES	E1	69 31.00	131 24.00	73 08 12 17	50	58	X	X	YSI
ESKIMO LAKES	E2	69 31.00	131 35.00	73 08 12 18	55	60	X	X	YSI
ESKIMO LAKES	E3	69 24.50	131 57.00	73 08 12 20	7	8	X	X	YSI
ESKIMO LAKES	E4	69 21.00	132 05.00	73 08 12 22	6	12	X	X	YSI
ESKIMO LAKES	E6	69 14.00	132 19.00	73 08 13 00	15	20	X	X	YSI
ESKIMO LAKES	E8	69 05.00	132 50.00	73 08 18 00	73	3	X	X	YSI
ESKIMO LAKES	E7	69 13.50	132 31.00	73 08 18 01	73	4	X	X	YSI
ESKIMO LAKES	E1	69 31.00	131 24.00	73 08 24 15	55	58	X	X	YSI
ESKIMO LAKES	E2	69 31.00	131 35.00	73 08 24 17	55	59	X	X	YSI
ESKIMO LAKES	E3	69 24.50	131 57.00	73 08 24 22	7	9	X	X	YSI
ESKIMO LAKES	E4	69 21.00	132 05.00	73 08 25 00	7	18	X	X	YSI
ESKIMO LAKES	E6	69 14.00	132 19.00	73 08 25 02	10	14	X	X	YSI
ESKIMO LAKES	E5	69 17.50	132 12.00	73 08 25 11	15	18	X	X	YSI
ESKIMO LAKES	E1	69 31.00	131 24.00	73 08 29 18	50	54	X	X	YSI
ESKIMO LAKES	E3	69 24.50	131 57.00	73 08 29 21	5	7	X	X	YSI
ESKIMO LAKES	E4	69 21.00	132 05.00	73 08 29 22	7	9	X	X	YSI
ESKIMO LAKES	E5	69 17.50	132 12.00	73 08 29 23	20	25	X	X	YSI
ESKIMO LAKES	E6	69 14.00	132 19.00	73 08 30 00	20	22	X	X	YSI
KUGMALL IT BAY	020	69 24.20	132 59.70	73 07 20 ?	12	?	X	X	YSI
KUGMALL IT BAY	002	69 35.00	133 04.50	73 07 21 ?	1	?		X	YSI
KUGMALL IT BAY	003	69 36.00	133 09.50	73 07 23 ?	0	?		X	YSI
KUGMALL IT BAY	004	69 34.17	133 15.00	73 07 25 ?	1	?		X	YSI
KUGMALL IT BAY	018	69 33.40	133 04.40	73 07 25 ?	1	?	X	X	YSI
KUGMALL IT BAY	018	69 35.50	133 04.50	73 07 25 ?	1	?		X	YSI
KUGMALL IT BAY	005	69 31.40	133 22.67	73 07 26 ?	1	?		X	YSI
KUGMALL IT BAY	020	69 45.00	132 35.00	73 08 02 ?	9	?	X	X	YSI
TUK. SHELF	022	70 13.00	130 54.00	73 08 03 ?	14	?	X	X	YSI
TUK. SHELF	023	70 11.00	130 54.00	73 08 03 ?	8	?	X	X	YSI
KUGMALL IT BAY	007	69 40.83	132 54.00	73 08 08 ?	2	?	X	X	YSI
KUGMALL IT BAY	010	69 38.00	133 02.50	73 08 17 ?	0	?		X	YSI
LIVERPOOL BAY	024	69 27.00	130 55.00	73 08 18 ?	17	?	X	X	YSI
LIVERPOOL BAY	027	69 48.50	129 45.00	73 08 19 ?	15	?	X	X	YSI

LIVERPOOL BAY	028	69 49.00	130 09.00	73 08 19	?	7	?	X	X	YSI
KUGMALL IT BAY	008	69 42.50	132 57.00	73 08 20	?	0	?		X	YSI
KUGMALL IT BAY	019	69 47.00	132 40.00	73 08 20	?	9	?	X	X	YSI
LIVERPOOL BAY	030	69 40.00	130 38.00	73 08 23	?	9	?	X	X	YSI
LIVERPOOL BAY	031	69 37.00	130 34.00	73 08 23	?	6	?	X	X	YSI
LIVERPOOL BAY	033	69 35.00	130 29.00	73 08 23	?	8	?	X	X	YSI
LIVERPOOL BAY	035	69 41.00	130 36.00	73 08 23	?	2	?	X	X	YSI
KUGMALL IT BAY	002	69 35.00	133 04.50	73 08 25	?	0	?		X	YSI
KUGMALL IT BAY	009	69 44.25	132 05.90	73 09 01	?	0	?		X	YSI
KUGMALL IT BAY	003	69 36.00	133 09.70	73 09 02	?	2	?		X	YSI
KUGMALL IT BAY	011	69 40.00	133 07.00	73 09 09	?	2	?	X	X	YSI

BOTTLE/CTD DATA SET NUMBER: 73-0016  
 YEAR:1973 VESSEL/AGENCY: FF SLANEY SLANEY CO. LTD.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR	
TUK. HARBOUR	1	69 25.	133 00.	73 08 12	?	0	?	X	X	?
TUK. HARBOUR	2	69 25.	133 00.	73 08 16	?	0	?	X	X	?
TUK. HARBOUR	3	69 25.	133 00.	73 08 16	?	0	?	X	X	?

BOTTLE/CTD DATA SET NUMBER: 73-0023  
 YEAR:1973 VESSEL/AGENCY: AQUATIC ENV.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR	
YUKON COASTAL	PHIL	69 15.	138 31.	73 06 21	?	2.0	2.0	X	X	?
YUKON COASTAL	PHIL	69 15.	138 31.	73 07 20	?	2.0	2.0	X	X	?
YUKON COASTAL	STOK	69 20.	138 46.	73 07 23	?	2.5	2.5	X	X	?
YUKON COASTAL	BS	69 20.	138 46.	73 07 23	?	6.0	6.0	X	X	?
YUKON COASTAL	STOK	69 20.	138 46.	73 08 06	?	3.5	3.5	X	X	?
YUKON COASTAL	STOK	69 20.	138 46.	73 08 27	?	3.5	3.5	X	X	?
YUKON COASTAL	STOK	69 20.	138 46.	73 09 12	?	3.5	3.5	X	X	?

BOTTLE/CTD DATA SET NUMBER: 73-0125  
 YEAR:1973 VESSEL/AGENCY: ARCTIC BIOL. STN.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR	
KUGMALL IT BAY	2	69 35.	133 05.	73 07 21	?	2	?	X	X	YSI
KUGMALL IT BAY	3	69 36.	133 10.	73 07 23	?	2	?	X	X	YSI
KUGMALL IT BAY	4	69 34.	133 15.	73 07 25	?	2	?	X	X	YSI
KUGMALL IT BAY	5	69 32.	133 23.	73 07 26	?	2	?	X	X	YSI
KUGMALL IT BAY	19	69 47.	132 43.	73 08 02	?	2	?	X	X	YSI
KUGMALL IT BAY	20	69 45.	132 35.	73 08 02	?	2	?	X	X	YSI
KUGMALL IT BAY	7	69 41.	132 54.	73 08 06	?	2	?	X	X	YSI
KUGMALL IT BAY	10	69 38.	133 03.	73 08 17	?	2	?	X	X	YSI
KUGMALL IT BAY	8	69 42.	132 57.	73 08 20	?	2	?	X	X	YSI
KUGMALL IT BAY	2	69 35.	133 05.	73 08 25	?	2	?	X	X	YSI
KUGMALL IT BAY	9	69 44.	132 59.	73 09 01	?	2	?	X	X	YSI
KUGMALL IT BAY	3	69 36.	133 10.	73 09 02	?	2	?	X	X	YSI
KUGMALL IT BAY	11	69 39.	133 07.	73 09 09	?	2	?	X	X	YSI

BOTTLE/CTD DATA SET NUMBER: 74-0001  
 YEAR:1974 VESSEL/AGENCY: FF SLANEY & CO. LTD.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE BAY	101	69 27.80	135 22.20	74 03 11 ?	2	2	X	X YSI	
MACKENZIE BAY	104	69 28.30	135 19.80	74 03 13 ?	3	3	X	X YSI	
MACKENZIE BAY	105	69 28.70	135 23.20	74 03 13 ?	3	3	X	X YSI	
MACKENZIE BAY	107	69 29.90	135 22.00	74 03 14 ?	3	3	X	X YSI	
MACKENZIE BAY	111	69 31.50	135 17.50	74 03 14 ?	3	3	X	X YSI	
MACKENZIE BAY	116	69 31.20	135 13.00	74 03 15 ?	3	3	X	X YSI	
MACKENZIE BAY	117	69 32.80	135 12.80	74 03 15 ?	3	3	X	X YSI	
MACKENZIE BAY	113U	69 31.50	135 16.90	74 03 15 ?	2	2	X	X YSI	
MACKENZIE BAY	113G	69 30.80	135 18.30	74 03 16 ?	2	2	X	X YSI	
MACKENZIE BAY	118	69 31.60	135 10.10	74 03 17 ?	3	3	X	X YSI	
MACKENZIE BAY	120	69 31.80	135 04.00	74 03 17 ?	3	3	X	X YSI	
MACKENZIE BAY	122	69 30.60	135 02.00	74 03 17 ?	3	3	X	X YSI	
MACKENZIE BAY	113J	69 31.40	135 16.00	74 03 17 ?	3	3	X	X YSI	
MACKENZIE BAY	113M	69 31.00	135 17.60	74 03 19 ?	2	2	X	X YSI	
MACKENZIE BAY	113P	69 30.80	135 16.60	74 03 19 ?	2	2	X	X YSI	
MACKENZIE BAY	113Q	69 30.50	135 16.20	74 03 19 ?	2	2	X	X YSI	
MACKENZIE BAY	113S	69 31.00	135 16.20	74 03 19 ?	2	2	X	X YSI	
MACKENZIE BAY	401	69 32.80	135 05.50	74 03 20 ?	3	3	X	X YSI	
MACKENZIE BAY	402	69 33.50	135 08.60	74 03 20 ?	3	3	X	X YSI	
MACKENZIE BAY	403	69 33.90	135 11.00	74 03 20 ?	3	3	X	X YSI	
MACKENZIE BAY	201	69 32.20	135 22.70	74 03 21 ?	4	4	X	X YSI	
MACKENZIE BAY	203	69 32.90	135 24.70	74 03 22 ?	4	4	X	X YSI	
MACKENZIE BAY	204	69 32.60	135 25.20	74 03 22 ?	4	4	X	X YSI	
MACKENZIE BAY	206	69 33.70	135 25.10	74 03 24 ?	4	4	X	X YSI	
MACKENZIE BAY	207	69 34.00	135 24.70	74 03 24 ?	5	5	X	X YSI	
MACKENZIE BAY	209	69 36.40	135 24.10	74 03 26 ?	6	6	X	X YSI	
MACKENZIE BAY	210	69 39.10	135 22.70	74 03 26 ?	7	7	X	X YSI	
MACKENZIE BAY	212	69 39.30	135 21.70	74 03 27 ?	8	8	X	X YSI	
MACKENZIE BAY	301	69 42.50	135 25.00	74 03 28 ?	9	9	X	X YSI	
MACKENZIE BAY	302	69 35.80	135 26.60	74 03 31 ?	12	12	X	X YSI	
MACKENZIE BAY	404	69 48.80	133 59.90	74 04 09 ?	6	6	X	X YSI	
MACKENZIE BAY	502	69 51.50	134 06.40	74 04 09 ?	8	8	X	X YSI	
MACKENZIE BAY	413	69 50.90	133 57.90	74 04 11 ?	5	5	X	X YSI	
MACKENZIE BAY	416	69 50.00	133 41.70	74 04 12 ?	10	10	X	X YSI	
MACKENZIE BAY	419	69 50.00	133 42.50	74 04 12 ?	10	10	X	X YSI	
MACKENZIE BAY	801	69 36.50	134 39.90	74 04 14 ?	3	3	X	X YSI	
MACKENZIE BAY	802	69 36.50	134 41.90	74 04 14 ?	3	3	X	X YSI	
MACKENZIE BAY	803	69 36.30	134 41.00	74 04 14 ?	2	2	X	X YSI	
MACKENZIE BAY		69 44.60	132 49.00	74 04 18 ?	2	2	X	X YSI	

BOTTLE/CTD DATA SET NUMBER: 74-0002  
 YEAR:1974 VESSEL/AGENCY: THETA

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE BAY	S01	69 40.60	137 11.30	74 08 12 00	?	47	X	X BOTT	
MACKENZIE BAY	S02	70 07.20	134 37.10	74 08 13 00	?	33	X	X BOTT	
MACKENZIE BAY	S03	69 48.90	133 17.90	74 08 13 14	?	15	X	X BOTT	
MACKENZIE BAY	S04	69 52.80	133 43.30	74 08 13 22	?	15	X	X BOTT	
MACKENZIE BAY	S05	69 56.90	134 07.50	74 08 13 23	?	17	X	X BOTT	
MACKENZIE BAY	S06	70 07.70	134 20.00	74 08 14 03	?	35	X	X BOTT	
MACKENZIE BAY	S07	70 07.20	134 20.70	74 08 14 14	?	34	X	X BOTT	
MACKENZIE BAY	S08	70 08.20	134 15.00	74 08 15 02	?	35	X	X BOTT	
MACKENZIE BAY	S09	70 04.50	134 18.80	74 08 15 14	?	28	X	X BOTT	
MACKENZIE BAY	S10	69 40.40	137 08.80	74 08 15 23	?	17	X	X BOTT	
MACKENZIE BAY	S11	69 36.00	137 41.50	74 08 16 05	?	65	X	X BOTT	
MACKENZIE BAY	S11	69 36.00	137 41.50	74 08 16 06	?	65	X	X BOTT	
MACKENZIE BAY	S11	69 36.00	137 41.50	74 08 16 07	?	65	X	X BOTT	
MACKENZIE BAY	S11	69 36.00	137 41.50	74 08 16 08	?	65	X	X BOTT	
MACKENZIE BAY	S11	69 35.90	137 41.60	74 08 16 09	?	65	X	X BOTT	
MACKENZIE BAY	S11	69 35.90	137 41.60	74 08 16 10	?	65	X	X BOTT	
MACKENZIE BAY	S11	69 35.80	137 41.60	74 08 16 11	?	65	X	X BOTT	

MACKENZIE	BAY	S11	69	35.60	137	41.50	74	08	16	12	?	35	X	X	BOTT
MACKENZIE	BAY	S11	69	35.60	137	41.50	74	08	16	12	?	35	X	X	BOTT
MACKENZIE	BAY	S11	69	35.70	137	41.50	74	08	16	12	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.50	137	41.40	74	08	16	13	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.50	137	41.40	74	08	16	14	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.40	137	41.40	74	08	16	15	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.30	137	41.40	74	08	16	16	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.20	137	41.30	74	08	16	17	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.20	137	41.30	74	08	16	18	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.30	137	41.30	74	08	16	19	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.50	137	41.40	74	08	16	20	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.70	137	41.40	74	08	16	21	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.90	137	41.60	74	08	16	22	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.90	137	41.60	74	08	16	23	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.90	137	41.60	74	08	17	00	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.80	137	41.60	74	08	17	01	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.80	137	41.60	74	08	17	02	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.80	137	41.60	74	08	17	03	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.80	137	41.60	74	08	17	04	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.80	137	41.60	74	08	17	06	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.80	137	41.60	74	08	17	07	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.80	137	41.60	74	08	17	08	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.90	137	41.50	74	08	17	09	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.90	137	41.50	74	08	17	09	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	36.10	137	41.50	74	08	17	10	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	36.10	137	41.50	74	08	17	10	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	36.10	137	41.50	74	08	17	11	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	36.00	137	41.50	74	08	17	12	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.90	137	41.50	74	08	17	13	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.80	137	41.50	74	08	17	14	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.80	137	41.50	74	08	17	14	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	35.90	137	41.50	74	08	17	15	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	36.00	137	41.50	74	08	17	16	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	36.10	137	41.50	74	08	17	18	?	65	X	X	BOTT
MACKENZIE	BAY	S11	69	36.10	137	41.50	74	08	17	19	?	65	X	X	BOTT</

TUK. SHELF	S46	70	12.00	131	41.90	74	08	26	21	?	26	X	X	BOTT
TUK. SHELF	S47	70	19.70	131	41.60	74	08	26	23	?	35	X	X	BOTT
TUK. SHELF	S47	70	20.00	131	41.90	74	08	27	00	?	35	X	X	BOTT
TUK. SHELF	S48	70	26.90	131	41.80	74	08	27	02	?	37	X	X	BOTT
TUK. SHELF	S49	70	30.80	131	43.40	74	08	27	03	?	41	X	X	BOTT
TUK. SHELF	S50	70	33.40	131	42.80	74	08	27	15	?	41	X	X	BOTT
TUK. SHELF	S51	70	23.20	131	42.80	74	08	27	17	?	?	X	X	BOTT
TUK. SHELF	S52	69	56.60	133	27.10	74	08	28	02	?	21	X	X	BOTT
MACKENZIE BAY	S52	69	56.60	133	27.10	74	08	28	03	?	21	X	X	BOTT
MACKENZIE BAY	S53	70	04.40	135	01.40	74	08	28	23	?	24	X	X	BOTT
MACKENZIE BAY	S54	70	18.00	135	10.20	74	08	29	04	?	55	X	X	BOTT
MACKENZIE BAY	S54	70	18.00	135	10.20	74	08	29	05	?	55	X	X	BOTT
MACKENZIE BAY	S55	70	08.10	135	34.30	74	08	30	05	?	?	X	X	BOTT
MACKENZIE BAY	S56	69	56.20	135	47.80	74	08	30	13	?	24	X	X	BOTT
MACKENZIE BAY	S56	69	56.20	135	47.90	74	08	30	14	?	24	X	X	BOTT
MACKENZIE BAY	S57	70	21.10	136	36.30	74	08	30	22	?	?	X	X	BOTT
MACKENZIE BAY	S58	70	06.90	136	50.20	74	08	31	05	?	?	X	X	BOTT
MACKENZIE BAY	S59	69	56.20	137	04.70	74	08	31	13	?	44	X	X	BOTT
MACKENZIE BAY	S60	70	05.40	139	08.20	74	09	01	03	?	?	X	X	BOTT
MACKENZIE BAY	S60	70	05.50	139	08.00	74	09	01	04	?	?	X	X	BOTT
MACKENZIE BAY	S61	69	47.40	138	55.70	74	09	01	15	?	97	X	X	BOTT
MACKENZIE BAY	S62	69	44.90	139	36.70	74	09	01	19	?	?	X	X	BOTT
MACKENZIE BAY	S63	69	27.00	138	48.50	74	09	02	00	?	57	X	X	BOTT
MACKENZIE BAY	S64	69	36.30	138	21.00	74	09	02	15	?	128	X	X	BOTT
MACKENZIE BAY	S65	69	32.80	136	58.10	74	09	02	21	?	20	X	X	BOTT
MACKENZIE BAY	S66	69	59.70	135	21.00	74	09	03	02	?	31	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 74-0003  
YEAR:1974 VESSEL/AGENCY: ARCTICUS, FF SLANEY & CO. LTD.

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE BAY	23	69 18.60	135 37.60	74 07 07 ?	1	2	X	X	YSI
MACKENZIE BAY	23	69 18.60	135 37.60	74 07 08 ?	1	2	X	X	YSI
MACKENZIE BAY	23	69 18.60	135 37.60	74 07 09 ?	1	2	X	X	YSI
MACKENZIE BAY	23	69 18.60	135 37.60	74 07 10 ?	1	2	X	X	YSI
MACKENZIE BAY	20	69 24.10	135 31.50	74 07 11 ?	1	1	X	X	YSI
MACKENZIE BAY	23	69 18.60	135 37.60	74 07 11 ?	1	2	X	X	YSI
MACKENZIE BAY	25	69 26.50	135 33.40	74 07 11 ?	1	2	X	X	YSI
MACKENZIE BAY	20	69 24.10	135 31.50	74 07 12 ?	1	1	X	X	YSI
MACKENZIE BAY	21	69 27.20	135 51.60	74 07 12 ?	1	2	X	X	YSI
MACKENZIE BAY	23	69 18.60	135 37.60	74 07 12 ?	1	2	X	X	YSI
MACKENZIE BAY	10	69 32.20	135 44.30	74 07 13 ?	1	3	X	X	YSI
MACKENZIE BAY	19	69 30.60	135 37.40	74 07 13 ?	1	2	X	X	YSI
MACKENZIE BAY	23	69 18.60	135 37.60	74 07 13 ?	1	2	X	X	YSI
MACKENZIE BAY	28	69 30.90	135 44.70	74 07 13 ?	1	6	X	X	YSI
MACKENZIE BAY	8	69 32.90	135 56.90	74 07 14 ?	1	5	X	X	YSI
MACKENZIE BAY	21	69 27.20	135 51.60	74 07 14 ?	1	2	X	X	YSI
MACKENZIE BAY	23	69 18.60	135 37.60	74 07 14 ?	1	2	X	X	YSI
MACKENZIE BAY	3	69 32.90	135 56.90	74 07 15 ?	1	5	X	X	YSI
MACKENZIE BAY	14	69 34.10	134 37.70	74 07 15 ?	1	1	X	X	YSI
MACKENZIE BAY	15	69 31.20	134 56.30	74 07 15 ?	1	1	X	X	YSI
MACKENZIE BAY	16	69 37.00	135 10.40	74 07 15 ?	1	3	X	X	YSI
MACKENZIE BAY	18	69 33.80	135 23.50	74 07 15 ?	1	2	X	X	YSI
MACKENZIE BAY	21	69 27.20	135 51.60	74 07 15 ?	1	2	X	X	YSI
MACKENZIE BAY	23	69 18.60	135 37.60	74 07 15 ?	1	2	X	X	YSI
MACKENZIE BAY	27	69 30.20	135 43.30	74 07 15 ?	1	2	X	X	YSI
MACKENZIE BAY	28	69 30.90	135 44.70	74 07 15 ?	2	6	X	X	YSI
MACKENZIE BAY	22	69 25.00	135 52.30	74 07 17 ?	1	2	X	X	YSI
MACKENZIE BAY	27	69 30.20	135 43.30	74 07 17 ?	1	2	X	X	YSI
MACKENZIE BAY	28	69 30.90	135 44.70	74 07 17 ?	6	6	X	X	YSI
MACKENZIE BAY	29	69 28.80	135 47.80	74 07 17 ?	1	6	X	X	YSI
MACKENZIE BAY	20	69 24.10	135 31.50	74 07 18 ?	1	1	X	X	YSI
MACKENZIE BAY	23	69 18.60	135 37.60	74 07 18 ?	1	2	X	X	YSI
MACKENZIE BAY	25	69 26.50	135 33.40	74 07 18 ?	1	2	X	X	YSI
MACKENZIE BAY	27	69 30.20	135 43.30	74 07 19 ?	1	2	X	X	YSI
MACKENZIE BAY	28	69 30.90	135 44.70	74 07 19 ?	1	6	X	X	YSI
MACKENZIE BAY	10	69 32.20	135 44.30	74 07 20 ?	1	3	X	X	YSI
MACKENZIE BAY	19	69 30.60	135 37.40	74 07 20 ?	1	2	X	X	YSI
MACKENZIE BAY	21	69 27.20	135 51.60	74 07 20 ?	1	2	X	X	YSI
MACKENZIE BAY	23	69 18.60	135 37.60	74 07 20 ?	1	2	X	X	YSI
MACKENZIE BAY	27	69 30.20	135 43.30	74 07 20 ?	1	2	X	X	YSI
MACKENZIE BAY	8	69 32.90	135 56.90	74 07 21 ?	5	5	X	X	YSI
MACKENZIE BAY	10	69 32.20	135 44.30	74 07 21 ?	3	3	X	X	YSI

MACKENZIE	BAY	16	69	37.00	135	10.40	74	07	21	?	3	3	X	X	YSI
MACKENZIE	BAY	18	69	33.80	135	23.50	74	07	21	?	2	2	X	X	YSI
MACKENZIE	BAY	13	69	35.90	134	48.70	74	07	22	?	2	2	X	X	YSI
MACKENZIE	BAY	14	69	34.10	134	37.70	74	07	22	?	1	1	X	X	YSI
MACKENZIE	BAY	15	69	31.20	134	56.30	74	07	22	?	1	1	X	X	YSI
MACKENZIE	BAY	56	69	20.20	135	47.20	74	07	22	?	1	?	X	X	YSI
MACKENZIE	BAY	23	69	18.60	135	37.60	74	07	23	?	1	2	X	X	YSI
MACKENZIE	BAY	23	69	18.60	135	37.60	74	07	25	?	1	2	X	X	YSI
MACKENZIE	BAY	56	69	20.20	135	47.20	74	07	26	?	1	?	X	X	YSI
MACKENZIE	BAY	2	69	48.70	133	57.40	74	08	02	?	6	6	X	X	YSI
MACKENZIE	BAY	23	69	18.60	135	37.60	74	08	02	?	1	2	X	X	YSI
MACKENZIE	BAY	25	69	26.50	135	33.40	74	08	02	?	1	2	X	X	YSI
MACKENZIE	BAY	20	69	24.10	135	31.50	74	08	03	?	1	1	X	X	YSI
MACKENZIE	BAY	25	69	26.50	135	33.40	74	08	03	?	1	2	X	X	YSI
MACKENZIE	BAY	21	69	27.20	135	51.60	74	08	04	?	1	2	X	X	YSI
MACKENZIE	BAY	22	69	25.00	135	52.30	74	08	04	?	1	2	X	X	YSI
MACKENZIE	BAY	23	69	18.60	135	37.60	74	08	04	?	1	2	X	X	YSI
MACKENZIE	BAY	8	69	32.90	135	56.90	74	08	05	?	1	5	X	X	YSI
MACKENZIE	BAY	10	69	32.20	135	44.30	74	08	05	?	1	3	X	X	YSI
MACKENZIE	BAY	16	69	37.00	135	10.40	74	08	05	?	1	3	X	X	YSI
MACKENZIE	BAY	17	69	40.00	135	12.80	74	08	05	?	4	5	X	X	YSI
MACKENZIE	BAY	19	69	30.60	135	37.40	74	08	05	?	1	2	X	X	YSI
MACKENZIE	BAY	24	69	38.60	135	32.20	74	08	05	?	5	5	X	X	YSI
MACKENZIE	BAY	29	69	28.80	135	47.80	74	08	05	?	1	6	X	X	YSI
MACKENZIE	BAY	15	69	31.20	134	56.30	74	08	06	?	1	1	X	X	YSI
MACKENZIE	BAY	18	69	33.80	135	23.50	74	08	06	?	1	2	X	X	YSI
MACKENZIE	BAY	23	69	18.60	135	37.60	74	08	06	?	1	2	X	X	YSI
MACKENZIE	BAY	25	69	26.50	135	33.40	74	08	06	?	1	2	X	X	YSI
MACKENZIE	BAY	27	69	30.20	135	43.30	74	08	06	?	1	2	X	X	YSI
MACKENZIE	BAY	28	69	30.90	135	44.70	74	08	06	?	1	6	X	X	YSI
MACKENZIE	BAY	13	69	35.90	134	48.70	74	08	07	?	1	2	X	X	YSI
MACKENZIE	BAY	14	69	34.10	134	37.70	74	08	07	?	1	1	X	X	YSI
MACKENZIE	BAY	20	69	24.10	135	31.50	74	08	07	?	1	1	X	X	YSI
MACKENZIE	BAY	24	69	38.60	135	32.20	74	08	07	?	1	5	X	X	YSI
MACKENZIE	BAY	47	69	37.90	135	24.00	74	08	07	?	1	?	X	X	YSI
MACKENZIE	BAY	48	69	38.50	135	24.10	74	08	07	?	1	?	X	X	YSI
MACKENZIE	BAY	2	69	48.70	133	57.40	74	08	08	?	6	6	X	X	YSI
MACKENZIE	BAY	4	69	53.70	134	36.30	74	08	08	?	14	14	X	X	YSI
MACKENZIE	BAY	5	69	52.70	135	04.70	74	08	08	?	13	13	X	X	YSI
MACKENZIE	BAY	8	69	32.90	135	56.90	74	08	08	?	5	5	X	X	YSI
MACKENZIE	BAY	10	69	32.20	135	44.30	74	08	08	?	3	3	X	X	YSI
MACKENZIE	BAY	11	69	49.20	134	36.50	74	08	08	?	6	6	X	X	YSI
MACKENZIE	BAY	12	69	42.00	134	37.10	74	08	08	?	4	4	X	X	YSI
MACKENZIE	BAY	13	69	35.90	134	48.70	74	08	08	?	2	2	X	X	YSI
MACKENZIE	BAY	14	69	34.10	134	37.70	74	08	08	?	1	1	X	X	YSI
MACKENZIE	BAY	15	69	31.20	134	56.30	74	08	08	?	1	1	X	X	YSI
MACKENZIE	BAY	16	69	37.00	135	10.40	74	08	08	?	3	3	X	X	YSI
MACKENZIE	BAY	18	69	33.80	135	23.50	74	08	08	?	2	2	X	X	YSI
MACKENZIE	BAY	22	69	25.00	135	52.30	74	08	08	?	2	2	X	X	YSI
MACKENZIE	BAY	23	69	18.60	135	37.60	74	08	08	?	1	2	X	X	YSI
MACKENZIE	BAY	25	69	26.50	135	33.40	74	08	08	?	2	2	X	X	YSI
MACKENZIE	BAY	26	69	44.80	134	20.30	74	08	08	?	3	3	X	X	YSI
MACKENZIE	BAY	29	69	28.80	135	47.80	74	08	08	?	6	6	X	X	YSI
MACKENZIE	BAY	32	69	33.30	135	33.40	74	08	08	?	1	?	X	X	YSI
MACKENZIE	BAY	56	69	20.20	135	47.20	74	08	08	?	1	?	X	X	YSI
MACKENZIE	BAY	23	69	18.60	135	37.60	74	08	09	?	1	2	X	X	YSI
MACKENZIE	BAY	8	69	32.90	135	56.90	74	08	10	?	1	5	X	X	YSI
MACKENZIE	BAY	22	69	25.00	135	52.30	74	08	10	?	1	2	X	X	YSI
MACKENZIE	BAY	24	69	38.60	135	32.20	74	08	10	?	5	5	X	X	YSI
MACKENZIE	BAY	3	69	58.80	134	20.90	74	08	11	?	1	12	X	X	YSI
MACKENZIE	BAY	13	69	35.90	134	48.70	74	08	11	?	1	2	X	X	YSI
MACKENZIE	BAY	14	69	34.10	134	37.70	74	08	11	?	1	1	X	X	YSI
MACKENZIE	BAY	15	69	31.20	134	56.30	74	08	11	?	1	1	X	X	YSI
MACKENZIE	BAY	16	69	37.00	135	10.40	74	08	11	?	1	3	X	X	YSI
MACKENZIE	BAY	34	69	41.80	134	48.70	74	08	11	?	0	?	X	X	YSI
MACKENZIE	BAY	35	69	41.80	134	53.70	74	08	11	?	0	?	X	X	YSI
MACKENZIE	BAY	45	69	41.20	134	43.00	74	08	11	?	1	?	X	X	YSI
MACKENZIE	BAY	46	69	41.70	134	42.60	74	08	11	?	1	?	X	X	YSI
MACKENZIE	BAY	12	69	42.00	134	37.10	74	08	12	?	1	4	X	X	YSI
MACKENZIE	BAY	16	69	37.00	135	10.40	74	08	12	?	1	3	X	X	YSI
MACKENZIE	BAY	17	69	40.00	135	12.80	74	08	12	?	5	5	X	X	YSI
MACKENZIE	BAY	26	69	44.80	134	20.30	74	08	12	?	1	3	X	X	YSI
MACKENZIE	BAY	35	69	40.80	134	53.70	74	08	12	?	0	?	X	X	YSI
MACKENZIE	BAY	39	69	47.40	134	21.00	74	08	12	?	1	?	X	X	YSI
MACKENZIE	BAY	51	69	46.80	134	21.30	74	08	12	?	1	?	X	X	YSI
MACKENZIE	BAY	2	69	48.70	133	57.40	74	08	13	?	1	6	X	X	YSI
MACKENZIE	BAY	11	69	49.20	134	36.50	74	08	13	?	1	6	X	X	YSI
MACKENZIE	BAY	43	69	30.80	135	42.00	74	08	13	?	1	?	X	X	YSI
MACKENZIE	BAY	10	69	32.20	135	44.30	74	08	14	?	1	3	X	X	YSI
MACKENZIE	BAY	18	69	33.80	135	23.50	74	08	14	?	1	2	X	X	YSI
MACKENZIE	BAY	27	69	30.20	135	43.30	74	08	14	?	1	2	X	X	YSI
MACKENZIE	BAY	28	69	30.90	135	44.70	74	08	14	?	1	6	X	X	YSI
MACKENZIE	BAY	23	69	18.60	135	37.60	74	08	18	?	1	2	X	X	YSI

MACKENZIE BAY	23	69	18.60	135	37.60	74	08	21	?	1	2	X	X	YSI
MACKENZIE BAY	23	69	18.60	135	37.60	74	08	23	?	1	2	X	X	YSI
MACKENZIE BAY	10	69	32.20	135	44.30	74	08	24	?	3	3	X	X	YSI
MACKENZIE BAY	22	69	25.00	135	52.30	74	08	24	?	1	2	X	X	YSI
MACKENZIE BAY	2	69	48.70	133	57.40	74	08	26	?	6	6	X	X	YSI
MACKENZIE BAY	3	69	58.80	134	20.90	74	08	26	?	12	12	X	X	YSI
MACKENZIE BAY	4	69	53.70	134	36.30	74	08	26	?	14	14	X	X	YSI
MACKENZIE BAY	5	69	52.70	135	04.70	74	08	26	?	13	13	X	X	YSI
MACKENZIE BAY	6	69	50.10	135	35.00	74	08	26	?	14	14	X	X	YSI
MACKENZIE BAY	7	69	48.10	136	01.10	74	08	26	?	12	12	X	X	YSI
MACKENZIE BAY	8	69	32.90	135	56.90	74	08	26	?	5	5	X	X	YSI
MACKENZIE BAY	10	69	32.20	135	44.30	74	08	26	?	3	3	X	X	YSI
MACKENZIE BAY	11	69	49.20	134	36.50	74	08	26	?	6	6	X	X	YSI
MACKENZIE BAY	12	69	42.00	134	37.10	74	08	26	?	1	4	X	X	YSI
MACKENZIE BAY	13	69	35.90	134	48.70	74	08	26	?	2	2	X	X	YSI
MACKENZIE BAY	14	69	34.10	134	37.70	74	08	26	?	1	1	X	X	YSI
MACKENZIE BAY	15	69	31.20	134	56.30	74	08	26	?	1	1	X	X	YSI
MACKENZIE BAY	16	69	37.00	135	10.40	74	08	26	?	3	3	X	X	YSI
MACKENZIE BAY	17	69	40.00	135	12.80	74	08	26	?	5	5	X	X	YSI
MACKENZIE BAY	18	69	33.80	135	23.50	74	08	26	?	2	2	X	X	YSI
MACKENZIE BAY	19	69	30.60	135	37.40	74	08	26	?	2	2	X	X	YSI
MACKENZIE BAY	22	69	25.00	135	52.30	74	08	26	?	1	2	X	X	YSI
MACKENZIE BAY	26	69	44.80	134	20.30	74	08	26	?	3	3	X	X	YSI
MACKENZIE BAY	8	69	32.90	135	56.90	74	08	28	?	1	5	X	X	YSI
MACKENZIE BAY	25	69	26.50	135	33.40	74	08	28	?	1	2	X	X	YSI
MACKENZIE BAY	27	69	30.20	135	43.30	74	08	28	?	2	2	X	X	YSI
MACKENZIE BAY	28	69	30.90	135	44.70	74	08	28	?	1	6	X	X	YSI
MACKENZIE BAY	10	69	32.20	135	44.30	74	08	29	?	1	3	X	X	YSI
MACKENZIE BAY	19	69	30.60	135	37.40	74	08	29	?	1	2	X	X	YSI
MACKENZIE BAY	21	69	27.20	135	51.60	74	08	29	?	1	2	X	X	YSI
MACKENZIE BAY	20	69	24.10	135	31.50	74	08	30	?	1	1	X	X	YSI
MACKENZIE BAY	22	69	25.00	135	52.30	74	08	30	?	1	2	X	X	YSI
MACKENZIE BAY	5	69	52.70	135	04.70	74	09	01	?	1	13	X	X	YSI
MACKENZIE BAY	18	69	33.80	135	23.50	74	09	01	?	1	2	X	X	YSI
MACKENZIE BAY	23	69	18.60	135	37.60	74	09	03	?	1	2	X	X	YSI
MACKENZIE BAY	17	69	40.00	135	12.80	74	09	07	?	1	5	X	X	YSI
MACKENZIE BAY	23	69	18.60	135	37.60	74	09	07	?	1	2	X	X	YSI
MACKENZIE BAY	24	69	38.60	135	32.20	74	09	07	?	1	5	X	X	YSI
MACKENZIE BAY	16	69	37.00	135	10.40	74	09	08	?	1	3	X	X	YSI
MACKENZIE BAY	12	69	42.00	134	37.10	74	09	09	?	1	4	X	X	YSI
MACKENZIE BAY	26	69	44.80	134	20.30	74	09	09	?	3	3	X	X	YSI
MACKENZIE BAY	18	69	33.80	135	23.50	74	09	10	?	1	2	X	X	YSI
MACKENZIE BAY	21	69	27.20	135	51.60	74	09	10	?	1	2	X	X	YSI
MACKENZIE BAY	23	69	18.60	135	37.60	74	09	26	?	1	2	X	X	YSI
MACKENZIE BAY	23	69	18.60	135	37.60	74	09	27	?	1	2	X	X	YSI
MACKENZIE BAY	25	69	26.50	135	33.40	74	09	28	?	1	2	X	X	YSI
MACKENZIE BAY	27	69	30.20	135	43.30	74	09	28	?	1	2	X	X	YSI
MACKENZIE BAY	34	69	41.80	134	48.70	74	09	28	?	1	?	X	X	YSI
MACKENZIE BAY	38	69	45.30	134	22.90	74	09	28	?	1	?	X	X	YSI
MACKENZIE BAY	40	69	26.70	135	05.70	74	09	28	?	1	?	X	X	YSI
MACKENZIE BAY	43	69	30.80	135	42.00	74	09	28	?	1	?	X	X	YSI
MACKENZIE BAY	44	69	31.20	135	42.50	74	09	28	?	2	?	X	X	YSI
MACKENZIE BAY	49	69	37.00	135	19.10	74	09	28	?	1	?	X	X	YSI
MACKENZIE BAY	50	69	37.80	135	22.30	74	09	28	?	1	?	X	X	YSI
MACKENZIE BAY	52	69	46.30	134	17.40	74	09	28	?	1	?	X	X	YSI
MACKENZIE BAY	53	69	46.80	134	16.90	74	09	28	?	1	?	X	X	YSI
MACKENZIE BAY	54	69	47.40	134	23.00	74	09	28	?	1	?	X	X	YSI
MACKENZIE BAY	33	69	42.20	134	48.90	74	09	29	?	0	?	X	X	YSI
MACKENZIE BAY	33	69	42.20	134	48.90	74	09	29	?	1	?	X	X	YSI
MACKENZIE BAY	55	69	29.90	134	12.00	74	09	29	?	1	?	X	X	YSI
MACKENZIE BAY	60	69	36.60	135	18.80	74	09	29	?	1	?	X	X	YSI

BOTTLE/CTD DATA SET NUMBER: 74-0007A  
YEAR: 1974 VESSEL/AGENCY: ARCTIC BIOL. STN.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	14	70 09.00	133 24.00	74 07 14 19	32	34	X	X BOTT	
BEAUFORT SEA	9	71 22.00	130 24.00	74 07 25 20	110	111	X	X BOTT	
BEAUFORT SEA	12	71 02.00	133 56.00	74 07 29 19	260	267	X	X BOTT	
BEAUFORT SEA	29	70 17.00	136 26.00	74 08 02 19	50	52	X	X BOTT	
BEAUFORT SEA	30	69 55.00	136 12.00	74 08 02 23	24	25	X	X BOTT	
BEAUFORT SEA	22	69 46.00	138 52.00	74 08 12 19	75	79	X	X BOTT	
BEAUFORT SEA	23	70 01.00	138 56.00	74 08 16 19	220	226	X	X BOTT	

BEAUFORT SEA	544	70	33.40	131	42.80	74	08	27	15	35	41	X	X	BOTT
BEAUFORT SEA	545	70	23.20	131	42.00	74	08	27	17	35	37	X	X	BOTT
BEAUFORT SEA	546	69	56.60	133	27.10	74	08	28	03	18	21	X	X	BOTT
BEAUFORT SEA	547	70	18.00	134	10.20	74	08	29	05	50	55	X	X	BOTT
BEAUFORT SEA	548	70	08.10	135	34.30	74	08	30	05	40	44	X	X	BOTT
BEAUFORT SEA	549	69	56.20	135	47.80	74	08	30	13	20	20	X	X	BOTT
BEAUFORT SEA	550	70	21.20	136	36.30	74	08	30	22	35	58	X	X	BOTT
BEAUFORT SEA	551	70	06.10	136	50.20	74	08	31	05	35	40	X	X	BOTT
BEAUFORT SEA	552	69	56.20	137	04.70	74	08	31	14	40	43	X	X	BOTT
BEAUFORT SEA	553	70	05.40	139	08.20	74	09	01	03	200	202	X	X	BOTT
BEAUFORT SEA	554	69	47.40	138	55.70	74	09	01	15	90	97	X	X	BOTT
BEAUFORT SEA	555	69	44.90	139	36.70	74	09	01	19	26	30	X	X	BOTT
BEAUFORT SEA	556	69	27.00	138	48.50	74	09	02	00	50	55	X	X	BOTT
BEAUFORT SEA	559	69	59.70	135	21.00	74	09	02	02	29	31	X	X	BOTT
BEAUFORT SEA	557	69	36.30	138	21.00	74	09	02	15	120	126	X	X	BOTT
BEAUFORT SEA	558	69	32.80	136	58.10	74	09	02	19	18	20	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 74-0007B  
 YEAR: 1974 VESSEL/AGENCY: ARCTIC BIOL. STN.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE BAY	001	69 39.00	133 02.00	74 03 24 ?	4	?	X	X YSI	
MACKENZIE BAY	002	69 41.00	133 07.00	74 03 28 ?	4	?	X	X YSI	
MACKENZIE BAY	003	69 43.00	133 12.00	74 03 28 ?	5	?	X	X YSI	
MACKENZIE BAY	004	69 45.00	133 12.00	74 04 01 ?	6	?	X	X YSI	
KUGMALL IT BAY	001	69 33.95	133 06.33	74 07 17 ?	1	?	X	X YSI	
KUGMALL IT BAY	001	69 33.55	132 59.60	74 07 22 ?	0	?	X	X YSI	
KUGMALL IT BAY	002	69 34.13	133 11.65	74 07 27 ?	1	?	X	X YSI	
KUGMALL IT BAY	003	69 26.10	133 00.30	74 07 28 ?	10	?	X	X YSI	
KUGMALL IT BAY	004	69 34.55	133 00.35	74 07 29 ?	0	?	X	X YSI	
MACKENZIE BAY	005	69 36.10	132 59.10	74 07 29 ?	0	?	X	X YSI	
KUGMALL IT BAY	006	69 36.35	132 58.30	74 07 29 ?	0	?	X	X YSI	
KUGMALL IT BAY	003	69 41.00	132 48.67	74 07 31 ?	1	?	X	X YSI	
KUGMALL IT BAY	001	69 33.55	132 59.60	74 08 05 ?	0	?	X	X YSI	
MACKENZIE BAY	005	69 49.00	138 25.00	74 08 15 ?	0	?		X BOTT	
KUGMALL IT BAY	007	69 43.57	132 30.67	74 08 15 ?	0	?		X BOTT	
KUGMALL IT BAY	009	69 45.75	132 13.50	74 08 21 ?	0	?		X BOTT	
KUGMALL IT BAY	010	69 45.17	132 13.50	74 08 21 ?	0	?		X BOTT	
MACKENZIE BAY	010	69 30.00	138 40.00	74 08 22 ?	0	?		X BOTT	
MACKENZIE BAY	011	69 27.00	138 25.00	74 08 22 ?	0	?		X BOTT	
MACKENZIE BAY	012	69 27.00	138 00.00	74 08 22 ?	0	?		X BOTT	
MACKENZIE BAY	013	69 27.00	137 20.00	74 08 22 ?	0	?		X BOTT	
MACKENZIE BAY	014	69 29.00	137 29.00	74 08 22 ?	0	?		X BOTT	
MACKENZIE BAY	015	69 30.00	137 20.00	74 08 23 ?	0	?		X BOTT	
MACKENZIE BAY	016	69 30.00	136 45.00	74 08 23 ?	0	?		X BOTT	
MACKENZIE BAY	017	69 23.00	136 50.00	74 08 23 ?	0	?		X BOTT	
MACKENZIE BAY	018	69 17.00	137 10.00	74 08 23 ?	0	?		X BOTT	
MACKENZIE BAY	019	69 17.00	137 33.00	74 08 23 ?	0	?		X BOTT	
MACKENZIE BAY	020	69 16.00	138 52.00	74 08 23 ?	0	?		X BOTT	
MACKENZIE BAY	021	69 18.00	138 10.00	74 08 23 ?	0	?		X BOTT	
KUGMALL IT BAY	009	69 26.60	132 59.00	74 08 24 ?	2	?	X	X YSI	
MACKENZIE BAY	022	69 31.00	137 14.00	74 08 24 ?	0	?		X BOTT	
TUK. SHELF	023	69 49.00	135 00.00	74 08 25 ?	0	?		X BOTT	
TUK. SHELF	024	69 53.00	135 00.00	74 08 25 ?	0	?		X BOTT	
TUK. SHELF	025	69 48.00	133 29.00	74 08 25 ?	0	?		X BOTT	
TUK. SHELF	011	69 58.50	131 18.35	74 08 26 ?	0	?		X BOTT	
TUK. SHELF	026	70 01.00	133 00.00	74 08 26 ?	0	?		X BOTT	
TUK. SHELF	027	69 58.00	132 05.00	74 08 26 ?	0	?		X BOTT	
TUK. SHELF	028	69 57.00	132 00.00	74 08 26 ?	0	?		X BOTT	
TUK. SHELF	029	70 12.00	131 50.00	74 08 26 ?	0	?		X BOTT	
TUK. SHELF	030	70 27.00	131 51.00	74 08 26 ?	0	?		X BOTT	
TUK. SHELF	004	69 52.67	131 36.67	74 08 27 ?	1	?		X BOTT	
TUK. SHELF	031	69 45.00	138 39.00	74 08 31 ?	0	?		X BOTT	
TUK. SHELF	032	69 27.00	138 55.00	74 09 01 ?	0	?		X BOTT	
TUK. SHELF	033	69 36.00	138 14.00	74 09 02 ?	0	?		X BOTT	
TUK. SHELF	006	69 38.07	132 50.90	74 09 06 ?	0	?		X BOTT	
TUK. SHELF	013	69 38.48	132 50.93	74 09 07 ?	0	?		X BOTT	
KUGMALL IT BAY	001	69 33.95	133 06.33	74 12 01 ?	2	?	X	YSI	
KUGMALL IT BAY	562	69 35.00	133 05.00	74 12 01 00	2	5	X	X BOTT	



BOTTLE/CTD DATA SET NUMBER: 74-0008  
YEAR:1974 VESSEL/AGENCY: THETA,IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	1	69 40.60	137 11.30	74 08 12 01	40	48	X	X BOTT	
BEAUFORT SEA	2	70 07.30	134 37.10	74 08 13 00	25	30	X	X BOTT	
BEAUFORT SEA	7	70 07.20	134 20.70	74 08 14 15	25	30	X	X BOTT	
BEAUFORT SEA	11	69 36.00	137 41.00	74 08 17 00	55	64	X	X BOTT	
BEAUFORT SEA	11	69 36.00	137 41.00	74 08 17 06	55	64	X	X BOTT	
BEAUFORT SEA	11	69 36.00	137 41.00	74 08 17 12	55	64	X	X BOTT	
BEAUFORT SEA	11	69 36.00	137 41.00	74 08 17 18	55	64	X	X BOTT	
BEAUFORT SEA	11	69 36.00	137 41.00	74 08 17 19	55	64	X	X BOTT	
BEAUFORT SEA	13	69 48.60	138 23.10	74 08 18 20	175	191	X	X BOTT	
BEAUFORT SEA	19	69 18.50	138 05.40	74 08 19 03	35	42	X	X BOTT	
BEAUFORT SEA	20	69 26.70	138 48.90	74 08 21 20	65	70	X	X BOTT	
BEAUFORT SEA	23	69 30.90	138 38.00	74 08 22 18	12	15	X	X BOTT	
BEAUFORT SEA	25	69 28.60	138 00.20	74 08 23 02	60	65	X	X BOTT	
BEAUFORT SEA	28	69 29.50	137 10.30	74 08 23 15	30	43	X	X BOTT	
BEAUFORT SEA	36	69 18.10	137 10.60	74 08 23 22	9	9	X	X BOTT	
BEAUFORT SEA	38	69 18.00	137 53.50	74 08 24 02	30	35	X	X BOTT	
BEAUFORT SEA	41	69 49.20	135 00.10	74 08 25 14	9	11	X	X BOTT	
BEAUFORT SEA	42	69 57.20	134 59.50	74 08 25 19	15	19	X	X BOTT	
BEAUFORT SEA	43	70 00.30	134 55.00	74 08 26 06	24	24	X	X BOTT	
BEAUFORT SEA	44	69 58.20	132 01.60	74 08 26 17	13	13	X	X BOTT	
BEAUFORT SEA	46	70 12.00	131 41.80	74 08 26 22	20	22	X	X BOTT	
BEAUFORT SEA	48	70 26.50	131 41.50	74 08 27 02	30	33	X	X BOTT	
BEAUFORT SEA	51	70 24.50	131 40.90	74 08 27 19	35	35	X	X BOTT	
BEAUFORT SEA	54	70 09.10	134 51.40	74 08 29 05	50	51	X	X BOTT	
BEAUFORT SEA	55	70 06.70	135 29.30	74 08 30 06	35	42	X	X BOTT	
BEAUFORT SEA	56	69 56.20	135 47.80	74 08 30 16	20	20	X	X BOTT	
BEAUFORT SEA	57	70 31.50	137 35.70	74 08 30 23	55	57	X	X BOTT	
BEAUFORT SEA	60	70 05.50	139 08.00	74 09 01 05	200	205	X	X BOTT	

BOTTLE/CTD DATA SET NUMBER: 74-0010A  
YEAR:1974 VESSEL/AGENCY: ARCTIC BIOL. STN.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
ESKIMO LAKES	515	69 32.00	131 11.00	74 03 01 22	40	48	X	X BOTT	
ESKIMO LAKES	508	69 34.80	131 18.00	74 03 02 21	10	15	X	X BOTT	
ESKIMO LAKES	508	69 34.80	131 18.00	74 05 25 00	17	18	X	X BOTT	
ESKIMO LAKES	515	69 32.00	131 11.00	74 05 25 21	27	28	X	X BOTT	

BOTTLE/CTD DATA SET NUMBER: 74-0010B  
YEAR:1974 VESSEL/AGENCY: ARCTIC BIOL. STN.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
ESKIMO LAKES	515	69 32.00	131 11.00	74 06 20 22	37	38	X	X BOTT	

BOTTLE/CTD DATA SET NUMBER: 74-0010C  
 YEAR:1974 VESSEL/AGENCY: ARCTIC BIOL. STN.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
ESKIMO LAKES	508	69 34.80	131 18.00	74 07 02 23	23	24	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	74 07 12 01	20	24	X	X	BOTT
ESKIMO LAKES	515	69 32.00	131 11.00	74 07 12 19	30	34	X	X	BOTT
ESKIMO LAKES	510	69 36.50	131 04.00	74 07 16 17	40	57	X	X	BOTT
ESKIMO LAKES	515	69 32.00	131 11.00	74 07 17 16	25	29	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	74 07 17 21	19	20	X	X	BOTT
ESKIMO LAKES	515	69 32.00	131 11.00	74 07 22 16	40	47	X	X	BOTT
ESKIMO LAKES	507	69 34.50	131 15.00	74 07 27 ?	?	?	X	X	BOTT
ESKIMO LAKES	515	69 32.00	131 11.00	74 07 27 16	37	38	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	74 07 27 19	20	20	X	X	BOTT
ESKIMO LAKES	515	69 32.00	131 11.00	74 07 30 15	40	42	X	X	BOTT
ESKIMO LAKES	517	69 32.00	130 40.00	74 07 31 17	7	6	X	X	BOTT
ESKIMO LAKES	560	69 44.00	130 32.00	74 07 31 23	7	10	X	X	BOTT
ESKIMO LAKES	515	69 32.00	131 11.00	74 08 03 14	40	43	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	74 08 03 18	20	20	X	X	BOTT
ESKIMO LAKES	507	69 34.50	131 15.00	74 08 05 ?	2	?	X	X	BOTT
ESKIMO LAKES	520	69 30.00	131 39.00	74 08 07 18	60	61	X	X	BOTT
ESKIMO LAKES	523	69 17.00	132 14.00	74 08 07 22	20	22	X	X	BOTT
ESKIMO LAKES	561	69 37.00	131 02.00	74 08 08 ?	2	2	X	X	BOTT
ESKIMO LAKES	517	69 32.00	130 40.00	74 08 08 17	5	6	X	X	BOTT
ESKIMO LAKES	560	69 44.00	130 32.00	74 08 08 20	10	10	X	X	BOTT
ESKIMO LAKES	510	69 36.50	131 04.00	74 08 09 00	50	55	X	X	BOTT
ESKIMO LAKES	515	69 32.00	131 11.00	74 08 09 15	40	46	X	X	BOTT
ESKIMO LAKES	520	69 30.00	131 39.00	74 08 14 21	60	63	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	74 08 15 15	20	22	X	X	BOTT
ESKIMO LAKES	510	69 36.50	131 04.00	74 08 17 15	50	54	X	X	BOTT
ESKIMO LAKES	560	69 44.00	130 32.00	74 08 17 19	7	9	X	X	BOTT
ESKIMO LAKES	515	69 32.00	131 11.00	74 08 19 16	38	40	X	X	BOTT
ESKIMO LAKES	520	69 30.00	131 39.00	74 08 20 17	60	65	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	74 08 22 15	20	24	X	X	BOTT
ESKIMO LAKES	560	69 44.00	130 32.00	74 08 22 19	7	9	X	X	BOTT
ESKIMO LAKES	510	69 36.50	131 04.00	74 08 23 16	50	55	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 74-0011  
 YEAR:1974 VESSEL/AGENCY: AQ. ENV. LTD.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
YUKON SHELF	A	69 33.40	139 33.00	74 07 08 ?	0	?	X	X	YSI
YUKON SHELF	B	69 33.50	139 33.00	74 07 08 ?	1	?	X	X	YSI
YUKON SHELF	A	69 33.40	139 33.00	74 07 12 ?	0	?	X	X	YSI
YUKON SHELF	B	69 33.50	139 33.00	74 07 12 ?	0	?	X	X	YSI
YUKON SHELF	A	69 33.40	139 33.00	74 07 20 ?	0	?	X	X	YSI
YUKON SHELF	B	69 33.50	139 33.00	74 07 29 ?	0	?	X	X	YSI
YUKON SHELF	B	69 33.50	139 33.00	74 07 29 ?	0	?	X	X	YSI
YUKON SHELF	A	69 33.40	139 33.00	74 08 01 ?	0	?	X	X	YSI
YUKON SHELF	B	69 33.50	139 33.00	74 08 06 ?	0	?	X	X	YSI
YUKON SHELF	A	69 33.40	139 33.00	74 08 08 ?	0	?	X	X	YSI
YUKON SHELF	B	69 33.50	139 33.00	74 08 08 ?	0	?	X	X	YSI
YUKON SHELF	A	69 33.40	139 33.00	74 08 13 ?	0	?	X	X	YSI
YUKON SHELF	A	69 33.40	139 33.00	74 08 18 ?	0	?	X	X	YSI
YUKON SHELF	B	69 33.50	139 33.00	74 08 18 ?	0	?	X	X	YSI
YUKON SHELF	C	69 36.00	139 33.00	74 08 25 ?	5	?	X	X	YSI
YUKON SHELF	C	69 36.00	139 33.00	74 08 25 ?	12	?	X	X	YSI
YUKON SHELF	A	69 33.40	139 33.00	74 08 26 ?	0	?	X	X	YSI
YUKON SHELF	B	69 33.50	139 33.00	74 08 26 ?	0	?	X	X	YSI
YUKON SHELF	A	69 33.40	139 33.00	74 09 08 ?	0	?	X	X	YSI
YUKON SHELF	B	69 33.50	139 33.00	74 09 08 ?	0	?	X	X	YSI
YUKON SHELF	B	69 33.50	139 33.00	74 09 09 ?	0	?	X	X	YSI
YUKON SHELF	A	69 33.40	139 33.00	74 09 21 ?	0	?	X	X	YSI
YUKON SHELF	B	69 33.50	139 33.00	74 09 21 ?	0	?	X	X	YSI

BOTTLE/CTD DATA SET NUMBER: 74-0019  
 YEAR:1974 VESSEL/AGENCY: FF SLANEY & CO. LTD.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE BAY	P01	69 34.50	135 23.50	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	P02	69 34.30	135 23.50	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	P03	69 34.20	135 23.50	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	P04	69 34.10	135 23.50	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	P05	69 34.10	135 23.50	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	P06	69 34.00	135 23.50	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	P07	69 34.00	135 23.50	74 02 ? ?	0	0	X	X YSI	
MACKENZIE BAY	P08	69 33.80	135 23.50	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	P09	69 33.70	135 23.50	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	P10	69 34.10	135 25.00	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	P11	69 34.10	135 24.50	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	P12	69 34.10	135 24.00	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	P13	69 34.10	135 23.50	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	P14	69 34.10	135 23.50	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	P15	69 34.10	135 23.50	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	P16	69 34.10	135 23.00	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	P17	69 34.10	135 22.50	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	U11	69 35.00	134 39.00	74 02 ? ?	0	0	X	X YSI	
MACKENZIE BAY	U12	69 35.80	134 40.00	74 02 ? ?	0	0	X	X YSI	
MACKENZIE BAY	U13	69 36.50	134 41.00	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	U14	69 37.30	134 42.00	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	U15	69 38.20	134 43.00	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	U16	69 39.00	134 44.00	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	U17	69 39.80	134 45.00	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	U19	69 32.70	134 42.00	74 02 ? ?	1	1	X	X YSI	
MACKENZIE BAY	U20	69 32.20	134 44.00	74 02 ? ?	0	0	X	X YSI	
MACKENZIE BAY	U21	69 31.50	134 44.50	74 02 ? ?	0	0	X	X YSI	
MACKENZIE BAY	101	69 33.30	135 22.50	74 03 ? ?	1	1	X	X YSI	
MACKENZIE BAY	103	69 33.30	135 24.20	74 03 ? ?	1	1	X	X YSI	
MACKENZIE BAY	105	69 33.30	135 25.90	74 03 ? ?	1	1	X	X YSI	
MACKENZIE BAY	107	69 33.20	135 27.50	74 03 ? ?	1	1	X	X YSI	
MACKENZIE BAY	109	69 33.20	135 29.20	74 03 ? ?	1	1	X	X YSI	
MACKENZIE BAY	111	69 33.20	135 31.00	74 03 ? ?	0	0	X	X YSI	
MACKENZIE BAY	113	69 32.30	135 30.00	74 03 ? ?	1	1	X	X YSI	
MACKENZIE BAY	115	69 32.60	135 28.80	74 03 ? ?	1	1	X	X YSI	
MACKENZIE BAY	117	69 33.00	135 27.50	74 03 ? ?	1	1	X	X YSI	
MACKENZIE BAY	119	69 33.50	135 26.00	74 03 ? ?	1	1	X	X YSI	
MACKENZIE BAY	309	69 36.40	135 24.00	74 03 ? ?	3	3	X	X YSI	
MACKENZIE BAY	313	69 38.10	135 23.50	74 03 ? ?	1	1	X	X YSI	
MACKENZIE BAY	314	69 38.50	135 23.20	74 03 ? ?	4	4	X	X YSI	
MACKENZIE BAY	315	69 38.80	135 23.00	74 03 ? ?	3	4	X	X YSI	
MACKENZIE BAY	317	69 38.60	135 24.50	74 03 ? ?	2	2	X	X YSI	
MACKENZIE BAY	404	69 36.10	135 17.90	74 03 ? ?	9	0	X	X YSI	
MACKENZIE BAY	406	69 36.20	135 16.50	74 03 ? ?	9	0	X	X YSI	
MACKENZIE BAY	408	69 36.80	135 14.60	74 03 ? ?	2	2	X	X YSI	
MACKENZIE BAY	410	69 37.20	135 13.30	74 03 ? ?	2	2	X	X YSI	
MACKENZIE BAY	412	69 37.10	135 15.20	74 03 ? ?	2	2	X	X YSI	
MACKENZIE BAY	414	69 37.50	135 16.50	74 03 ? ?	1	1	X	X YSI	
MACKENZIE BAY	416	69 35.70	135 18.50	74 03 ? ?	1	1	X	X YSI	
MACKENZIE BAY	418	69 35.00	135 20.60	74 03 ? ?	0	0	X	X YSI	

BOTTLE/CTD DATA SET NUMBER: 74-0021  
 YEAR:1974 VESSEL/AGENCY: DEPT. ENV.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE BAY	I	69 07.00	137 37.00	74 04 ? ?	6	6	X	X YSI	
MACKENZIE BAY	V	69 02.00	137 26.00	74 04 ? ?	4	4	X	X YSI	
MACKENZIE BAY	II	69 23.00	138 43.00	74 04 ? ?	11	11	X	X YSI	
MACKENZIE BAY	VI	69 07.50	137 59.00	74 04 ? ?	15	18	X	X YSI	
MACKENZIE BAY	III	69 31.50	138 56.00	74 04 ? ?	15	50	X	X YSI	
MACKENZIE BAY	2	69 12.00	138 27.00	74 07 07 ?	0	?	X	X YSI	

MACKENZIE BAY	9	69	12.50	137	22.00	74	07	15	?	0	?	X	X	YSI
MACKENZIE BAY	6	69	06.50	137	37.00	74	07	16	?	0	?	X	X	YSI
MACKENZIE BAY	1	69	15.00	138	31.00	74	07	17	?	0	?	X	X	YSI
MACKENZIE BAY	8	69	07.00	137	41.00	74	07	18	?	0	?	X	X	YSI
MACKENZIE BAY	114	69	06.50	137	58.00	74	07	30	?	0	?	X	X	YSI
MACKENZIE BAY	30	69	20.50	138	56.00	74	07	31	?	0	?	X	X	YSI
MACKENZIE BAY	104	69	00.00	137	19.00	74	08	08	?	0	?	X	X	YSI
MACKENZIE BAY	112	69	04.50	137	46.00	74	08	15	?	0	?	X	X	YSI
MACKENZIE BAY	41	69	18.00	138	25.00	74	08	16	?	0	?	X	X	YSI
MACKENZIE BAY	31	69	34.00	138	55.00	74	08	24	?	0	?	X	X	YSI
MACKENZIE BAY	36	69	26.00	139	03.00	74	09	02	?	0	?	X	X	YSI
MACKENZIE BAY	45	69	29.00	138	52.00	74	09	04	?	0	?	X	X	YSI

BOTTLE/CTD DATA SET NUMBER: 74-0022  
 YEAR:1974 VESSEL/AGENCY: AQ.ENV.LTD.

AREA	STN	LAT DEG MIN	LOX DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE DLTA	2	68 47.00	136 32.00	74 10 01 ?	0	3	X	X	BOTT
MACKENZIE DLTA	7	68 49.00	136 06.00	74 10 01 ?	0	4	X	X	BOTT
MACKENZIE DLTA	21	69 02.00	135 00.00	74 10 04 ?	0	4	X	X	BOTT
MACKENZIE DLTA	28	69 01.00	134 40.00	74 10 04 ?	0	3	X	X	BOTT
MACKENZIE DLTA	16	68 58.00	135 22.00	74 11 04 ?	0	2	X	X	BOTT
MACKENZIE DLTA	30	68 57.00	134 48.00	74 11 05 ?	0	2	X	X	BOTT
MACKENZIE DLTA	18	69 00.50	135 09.00	74 11 06 ?	0	2	X	X	BOTT
MACKENZIE DLTA	22	69 02.00	134 58.00	74 11 06 ?	0	3	X	X	BOTT
MACKENZIE DLTA	14	68 57.00	135 30.00	74 11 07 ?	0	9	X	X	BOTT
MACKENZIE DLTA	8	68 49.00	136 03.00	74 11 08 ?	0	3	X	X	BOTT
MACKENZIE DLTA	2	68 47.00	136 32.00	74 11 09 ?	0	3	X	X	BOTT
MACKENZIE DLTA	27	69 05.00	134 46.00	74 11 11 ?	0	0	X	X	BOTT
MACKENZIE DLTA	28	69 01.00	134 40.00	74 11 11 ?	0	3	X	X	BOTT
MACKENZIE DLTA	20	69 03.00	135 05.00	75 04 02 ?	0	7	X	X	BOTT
MACKENZIE DLTA	25	69 06.00	134 54.00	75 04 02 ?	0	1	X	X	BOTT
MACKENZIE DLTA	26	69 04.00	134 47.00	75 04 02 ?	0	2	X	X	BOTT
MACKENZIE DLTA	29	69 05.50	134 26.00	75 04 02 ?	0	10	X	X	BOTT
MACKENZIE DLTA	19	69 02.00	135 10.00	75 04 03 ?	0	2	X	X	BOTT
MACKENZIE DLTA	14	68 57.00	135 30.00	75 04 04 ?	0	3	X	X	BOTT
MACKENZIE DLTA	15	68 58.50	135 23.00	75 04 04 ?	0	1	X	X	BOTT
MACKENZIE DLTA	17	68 58.00	135 19.00	75 04 04 ?	0	2	X	X	BOTT
MACKENZIE DLTA	18	69 00.50	135 09.00	75 04 04 ?	0	0	X	X	BOTT
MACKENZIE DLTA	1	68 47.00	136 42.00	75 04 05 ?	0	2	X	X	BOTT
MACKENZIE DLTA	2	68 47.00	136 32.00	75 04 05 ?	0	2	X	X	BOTT
MACKENZIE DLTA	4	68 49.00	136 11.00	75 04 05 ?	0	0	X	X	BOTT
MACKENZIE DLTA	7	68 49.00	136 06.00	75 04 05 ?	0	1	X	X	BOTT
MACKENZIE DLTA	8	69 49.00	136 03.00	75 04 05 ?	0	2	X	X	BOTT
MACKENZIE DLTA	9	68 51.00	135 58.00	75 04 05 ?	0	0	X	X	BOTT
MACKENZIE DLTA	10	68 52.00	135 55.00	75 04 05 ?	0	0	X	X	BOTT
MACKENZIE DLTA	24	69 04.50	134 54.00	75 04 05 ?	0	4	X	X	BOTT
MACKENZIE DLTA	30	68 57.00	134 48.00	75 04 05 ?	0	0	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 74-0027A  
 YEAR:1974 VESSEL/AGENCY: NORCOR

AREA	STN	LAT DEG MIN	LOX DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BALAENA BAY	70 02.	124 54.	74 08	? ?	?	?			?
BALAENA BAY	70 02.	124 54.	74 09	? ?	?	?			?
BALAENA BAY	70 02.	124 54.	74 10	? ?	?	?			?
BALAENA BAY	70 02.	124 54.	74 11	? ?	?	?			?
BALAENA BAY	70 02.	124 54.	74 12	? ?	?	?			?
BALAENA BAY	70 02.	124 54.	75 01	? ?	?	?			?
BALAENA BAY	70 02.	124 54.	75 02	? ?	?	?			?
BALAENA BAY	70 02.	124 54.	75 03	? ?	?	?			?
BALAENA BAY	70 02.	124 54.	75 04	? ?	?	?			?
BALAENA BAY	70 02.	124 54.	75 05	? ?	?	?			?

BALAENA BAY	70 02.	124 54.	75 06	?	?	?	?	?
BALAENA BAY	70 02.	124 54.	75 07	?	?	?	?	?

BOTTLE/CTD DATA SET NUMBER: 74-0027B  
 YEAR:1974 VESSEL/AGENCY: BEAUF.SEA PROJ.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
FRANKLIN BAY		70 02.	124 54.	74 09 10 ?	?	?	X	X HYDR	

BOTTLE/CTD DATA SET NUMBER: 75-0001  
 YEAR:1975 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	S01	73 43.00	124 56.00	75 03 16 21	28	28	X	X CTD	
BEAUFORT SEA	S02	73 43.00	124 56.00	75 03 17 19	25	28	X	X CTD	
BEAUFORT SEA	S04	73 43.00	126 35.00	75 03 17 20	90	110	X	X CTD	
BEAUFORT SEA	S03	73 43.00	125 49.00	75 03 17 21	68	68	X	X CTD	
BEAUFORT SEA	S05	73 43.00	127 29.00	75 03 17 21	90	110	X	X CTD	
BEAUFORT SEA	S0A	71 39.00	126 11.00	75 03 20 01	?	220	X	X CTD	
BEAUFORT SEA	S0A	71 39.00	126 11.00	75 03 20 04	90	220	X	X CTD	
BEAUFORT SEA	S0A	71 39.00	126 11.00	75 03 20 05	74	220	X	X CTD	
BEAUFORT SEA	S0A	71 39.00	126 11.00	75 03 20 06	86	220	X	X CTD	
BEAUFORT SEA	S0A	71 39.00	126 11.00	75 03 20 07	86	220	X	X CTD	
BEAUFORT SEA	S0A	71 39.00	126 11.00	75 03 20 08	83	220	X	X CTD	
BEAUFORT SEA	S0A	71 39.00	126 11.00	75 03 20 09	85	220	X	X CTD	
BEAUFORT SEA	S0A	71 39.00	126 11.00	75 03 20 10	90	220	X	X CTD	
BEAUFORT SEA	S0A	71 39.00	126 11.00	75 03 20 11	90	220	X	X CTD	
BEAUFORT SEA	S0A	71 39.00	126 11.00	75 03 20 12	90	220	X	X CTD	
BEAUFORT SEA	S0A	71 39.00	126 11.00	75 03 20 13	82	220	X	X CTD	
BEAUFORT SEA	S0A	71 39.00	126 11.00	75 03 20 13	78	220	X	X CTD	
BEAUFORT SEA	S0A	71 39.00	126 11.00	75 03 20 15	82	220	X	X CTD	
BEAUFORT SEA	S0A	71 39.00	126 11.00	75 03 20 19	?	220	X	X CTD	
BEAUFORT SEA	S06	71 46.00	126 34.00	75 03 21 23	90	?	X	X CTD	
BEAUFORT SEA	S07	71 17.00	127 34.00	75 03 22 00	90	?	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 00	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 00	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 02	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 03	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 04	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 05	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 06	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 07	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 08	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 09	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 10	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 11	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 12	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 13	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 14	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 15	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 16	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 17	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 18	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 18	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 20	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 21	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 22	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 26 23	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 27 00	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 27 01	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 27 02	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 27 03	?	21	X	X CTD	
BEAUFORT SEA	S0B	69 56.80	133 25.00	75 04 27 04	?	21	X	X CTD	

BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	27	05	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	27	06	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	27	07	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	27	15	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	27	16	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	27	17	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	27	18	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	27	19	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	27	20	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	27	21	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	27	21	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	27	23	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	28	00	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	28	01	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	28	02	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	28	03	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	28	04	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	28	05	?	21	X	X	CTD
BEAUFORT	SEA	SOB	69	56.80	133	25.00	75	04	28	14	?	21	X	X	CTD
BEAUFORT	SEA	SOC	69	36.70	137	58.10	75	05	01	05	?	76	X	X	CTD
BEAUFORT	SEA	SOC	69	36.70	137	58.10	75	05	01	06	?	76	X	X	CTD
BEAUFORT	SEA	SOC	69	36.70	137	58.10	75	05	01	07	?	76	X	X	CTD
BEAUFORT	SEA	SOC	69	36.70	137	58.10	75	05	01	08	?	76	X	X	CTD
BEAUFORT	SEA	SOC	69	35.00	133	58.00	75	05	01	09	?	76	X	X	CTD
BEAUFORT	SEA	SOC	69	36.70	137	58.10	75	05	01	10	?	76	X	X	CTD
BEAUFORT	SEA	SOC	69	36.70	137	58.10	75	05	01	11	?	76	X	X	CTD
BEAUFORT	SEA	SOC	69	36.70	137	58.10	75	05	01	12	?	76	X	X	CTD
BEAUFORT	SEA	SOC	69	36.70	137	58.10	75	05	01	13	?	76	X	X	CTD
BEAUFORT	SEA	SOC	69	36.70	137	58.10	75	05	01	14	?	76	X	X	CTD
BEAUFORT	SEA	SOC	69	36.70	137	58.10	75	05	01	15	?	76	X	X	CTD
BEAUFORT	SEA	SOC	69	36.70	137	58.10	75	05	01	16	?	76	X	X	CTD
BEAUFORT	SEA	SOC	69	36.70	137	58.10	75	05	01	17	?	76	X	X	CTD
BEAUFORT	SEA	SOC	69	36.70	137	58.10	75	05	01	18	?	76	X	X	CTD
BEAUFORT	SEA	SOC	69	36.70	137	58.10	75	05	01	19	?	76	X	X	CTD
BEAUFORT	SEA	SOC	69	36.70	137	58.10									

BEAUFORT SEA	S32	70	21.30	134	36.80	75	05	10	01	?	41	X	X	CTD
BEAUFORT SEA	S33	70	06.60	134	29.40	75	05	10	01	?	21	X	X	CTD
BEAUFORT SEA	S34	69	51.40	134	08.80	75	05	10	02	?	6	X	X	CTD
BEAUFORT SEA	S35	69	38.70	137	05.00	75	05	10	16	?	34	X	X	CTD
BEAUFORT SEA	S36	69	52.30	137	02.60	75	05	10	17	?	35	X	X	CTD

BOTTLE/CTD DATA SET NUMBER: 75-0002  
 YEAR: 1975 VESSEL/AGENCY: PANDORA II, IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR T	INT NO HR
TUK. SHELF	S02	70 40.90	134 45.20	75 08 05 19	?	50	X	X GLDL	
TUK. SHELF	S03	69 57.70	135 16.00	75 08 06 19	?	20	X	X GLDL	
TUK. SHELF	S04	70 53.20	132 28.00	75 08 07 17	?	50	X	X GLDL	
TUK. SHELF	S05	71 18.90	130 36.50	75 08 08 02	?	50	X	X GLDL	
TUK. SHELF	S06	70 09.20	132 14.60	75 08 08 15	?	20	X	X GLDL	
TUK. SHELF	S07	69 34.20	138 55.00	75 08 10 00	?	7	X	X GLDL	
TUK. SHELF	S07	69 34.20	138 55.00	75 08 10 00	?	7	X	X GLDL	
TUK. SHELF	S07	69 34.20	138 55.00	75 08 10 00	?	10	X	X GLDL	
TUK. SHELF	S07	69 34.20	138 55.00	75 08 10 21	?	7	X	X GLDL	
TUK. SHELF	S07	69 34.20	138 55.00	75 08 10 21	?	7	X	X GLDL	
TUK. SHELF	S08	69 22.00	137 30.00	75 08 11 15	?	15	X	X GLDL	
TUK. SHELF	S08	69 22.00	137 30.00	75 08 11 15	?	15	X	X GLDL	
TUK. SHELF	S09	70 03.90	137 41.50	75 08 13 00	?	75	X	X GLDL	
TUK. SHELF	S10	70 07.30	137 20.50	75 08 13 06	?	30	X	X GLDL	
TUK. SHELF	S11	69 51.90	136 00.00	75 08 13 13	?	15	X	X GLDL	
TUK. SHELF	S11	69 51.90	136 00.00	75 08 13 13	?	15	X	X GLDL	
TUK. SHELF	S12	70 08.00	136 03.00	75 08 13 20	?	30	X	X GLDL	
TUK. SHELF	S13	70 26.50	134 58.90	75 08 14 00	?	50	X	X GLDL	
TUK. SHELF	S14	70 20.10	134 45.10	75 08 14 05	?	30	X	X GLDL	
TUK. SHELF	S15	70 00.90	133 59.90	75 08 14 14	?	15	X	X GLDL	
TUK. SHELF	CNM	70 10.60	132 58.90	75 08 14 16	27	27	X	X GLDL	
TUK. SHELF	CNM	70 10.60	132 58.90	75 08 14 17	27	27	X	X GLDL	
TUK. SHELF	S16	70 19.80	134 00.20	75 08 14 21	?	30	X	X GLDL	
TUK. SHELF	CNM	70 10.60	132 58.90	75 08 14 21	27	27	X	X GLDL	
TUK. SHELF	S17	70 41.00	133 53.70	75 08 15 00	?	50	X	X GLDL	
TUK. SHELF	CNM	70 10.60	132 58.90	75 08 15 00	27	27	X	X GLDL	
TUK. SHELF	CNM	70 10.60	132 58.90	75 08 15 03	27	27	X	X GLDL	
TUK. SHELF	S18	70 31.10	133 40.10	75 08 15 07	?	50	X	X GLDL	
TUK. SHELF	S19	70 09.99	133 19.99	75 08 15 10	?	20	X	X GLDL	
TUK. SHELF	S20	70 00.20	132 59.60	75 08 15 14	?	10	X	X GLDL	
TUK. SHELF	CNM	70 10.60	132 58.90	75 08 15 15	27	27	X	X GLDL	
TUK. SHELF	CNM	70 10.60	132 58.90	75 08 15 18	27	27	X	X GLDL	
TUK. SHELF	S21	70 30.00	133 00.50	75 08 15 21	?	30	X	X GLDL	
TUK. SHELF	CNM	70 10.60	132 58.90	75 08 16 00	27	27	X	X GLDL	
TUK. SHELF	S22	70 55.20	133 22.70	75 08 16 02	?	50	X	X GLDL	
TUK. SHELF	CNM	70 10.60	132 58.90	75 08 16 02	27	27	X	X GLDL	
TUK. SHELF	CNM	70 10.60	132 58.90	75 08 16 06	27	27	X	X GLDL	
TUK. SHELF	CNM	70 10.60	132 58.90	75 08 16 08	24	27	X	X GLDL	
TUK. SHELF	S23	70 31.90	132 49.20	75 08 16 09	?	30	X	X GLDL	
TUK. SHELF	S24	70 19.90	132 20.30	75 08 16 11	?	20	X	X GLDL	
TUK. SHELF	CNM	70 10.60	132 58.90	75 08 16 12	15	27	X	X GLDL	
TUK. SHELF	S25	70 00.80	132 00.70	75 08 16 14	?	10	X	X GLDL	
TUK. SHELF	S25	70 00.80	132 00.70	75 08 16 14	?	10	X	X GLDL	
TUK. SHELF	CNM	70 10.60	132 58.90	75 08 16 17	27	27	X	X GLDL	
TUK. SHELF	CNM	70 10.60	132 58.90	75 08 16 19	27	27	X	X GLDL	
TUK. SHELF	CNM	70 10.60	132 58.90	75 08 16 21	27	27	X	X GLDL	
TUK. SHELF	S26	70 29.40	132 02.20	75 08 16 22	?	30	X	X GLDL	
TUK. SHELF	CNM	70 10.60	132 58.90	75 08 17 00	27	27	X	X GLDL	
TUK. SHELF	S27	70 59.90	132 02.70	75 08 17 02	?	50	X	X GLDL	
TUK. SHELF	S28	70 45.30	131 28.40	75 08 17 09	?	30	X	X GLDL	
TUK. SHELF	S29	70 30.90	131 30.90	75 08 17 11	?	30	X	X GLDL	
TUK. SHELF	S30	70 19.30	131 01.80	75 08 17 14	?	15	X	X GLDL	
TUK. SHELF	S31	70 50.30	131 09.40	75 08 17 21	?	30	X	X GLDL	
TUK. SHELF	S32	71 10.80	131 11.20	75 08 18 01	?	50	X	X GLDL	
TUK. SHELF	S33	71 00.70	130 36.30	75 08 18 06	?	30	X	X GLDL	
TUK. SHELF	S34	70 23.80	130 13.00	75 08 18 16	?	15	X	X GLDL	
TUK. SHELF	S35	70 56.50	129 59.50	75 08 18 21	?	30	X	X GLDL	
TUK. SHELF	S36	71 23.30	130 00.80	75 08 19 01	?	50	X	X GLDL	
TUK. SHELF	S38	69 53.80	134 58.10	75 08 20 04	?	10	X	X GLDL	
TUK. SHELF	S39	70 14.40	134 58.20	75 08 20 10	?	30	X	X GLDL	
TUK. SHELF	S40	70 27.60	136 00.10	75 08 20 14	?	50	X	X GLDL	
TUK. SHELF	S41	70 18.70	136 38.20	75 08 20 18	?	50	X	X GLDL	
TUK. SHELF	S42	70 00.60	136 33.40	75 08 20 23	?	20	X	X GLDL	

TUK. SHELF	S43	69	43.80	136	36.00	75	08	21	04	?	10	X	X	GLDL
TUK. SHELF	S44	69	38.00	137	19.20	75	08	21	08	?	30	X	X	GLDL
TUK. SHELF	S45	69	44.80	138	07.00	75	08	21	14	?	124	X	X	GLDL
TUK. SHELF	S46	69	25.00	138	04.00	75	08	21	20	?	50	X	X	GLDL
TUK. SHELF	S47	69	13.50	137	55.00	75	08	22	00	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	23	10	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	23	11	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	23	12	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	23	13	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	23	14	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	23	15	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	23	16	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	23	17	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	23	18	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	23	19	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	23	19	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	23	21	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	23	22	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	24	00	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	24	00	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	24	02	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	24	03	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	24	04	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	24	05	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	24	06	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	24	07	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	24	08	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	24	09	?	20	X	X	GLDL
TUK. SHELF	S48	70	09.99	133	25.00	75	08	24	10	?	20	X	X	GLDL

BOTTLE/CTD DATA SET NUMBER: 75-0004  
YEAR: 1975 VESSEL/AGENCY: FF SLANEY & CO. LTD.

AREA	STN	LAT DEG MIN	LONG DEG MIN	YR	DATE MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE BAY	29	69 28.80	135 47.90	75	07 08 ?	1	6	X	X	YSI
MACKENZIE BAY	30	69 29.90	135 45.20	75	07 08 ?	1	3	X	X	YSI
MACKENZIE BAY	57	69 30.60	135 44.70	75	07 08 ?	1	1	X	X	YSI
MACKENZIE BAY	33	69 42.10	134 49.70	75	07 09 ?	1	3	X	X	YSI
MACKENZIE BAY	34	69 41.70	134 49.50	75	07 09 ?	1	1	X	X	YSI
MACKENZIE BAY	16	69 37.10	135 10.50	75	07 10 ?	3	3	X	X	YSI
MACKENZIE BAY	12	69 42.20	134 35.80	75	07 11 ?	3	4	X	X	YSI
MACKENZIE BAY	11	69 49.10	134 36.30	75	07 13 ?	7	7	X	X	YSI
MACKENZIE BAY	69	69 32.90	134 01.30	75	07 13 ?	1	1	X	X	YSI
KUGMALL IT BAY	70	69 28.90	133 07.40	75	07 14 ?	1	1	X	X	YSI
KUGMALL IT BAY	83	69 25.60	132 57.80	75	07 14 ?	1	2	X	X	YSI
KUGMALL IT BAY	73	69 40.40	133 20.30	75	07 15 ?	5	5	X	X	YSI
KUGMALL IT BAY	74	69 35.70	133 09.50	75	07 15 ?	5	5	X	X	YSI
KUGMALL IT BAY	75	69 31.50	133 06.50	75	07 15 ?	5	5	X	X	YSI
KUGMALL IT BAY	77	69 33.90	133 30.30	75	07 15 ?	4	4	X	X	YSI
KUGMALL IT BAY	78	69 36.90	133 25.60	75	07 15 ?	5	5	X	X	YSI
KUGMALL IT BAY	67	69 35.10	134 08.90	75	07 16 ?	5	5	X	X	YSI
KUGMALL IT BAY	2	69 48.80	133 58.20	75	07 17 ?	5	5	X	X	YSI
MACKENZIE BAY	58	69 30.30	135 21.80	75	07 17 ?	2	2	X	X	YSI
MACKENZIE BAY	26	69 44.70	134 21.30	75	07 18 ?	2	4	X	X	YSI
MACKENZIE BAY	62	69 24.30	135 49.30	75	07 26 ?	1	1	X	X	YSI
MACKENZIE BAY	7	69 46.00	135 57.80	75	07 28 ?	9	11	X	X	YSI
MACKENZIE BAY	8	69 32.70	135 57.00	75	07 28 ?	3	5	X	X	YSI
MACKENZIE BAY	12	69 42.20	134 35.80	75	07 30 ?	4	4	X	X	YSI
MACKENZIE BAY	16	69 37.10	135 10.50	75	07 30 ?	3	3	X	X	YSI
MACKENZIE BAY	1	69 54.90	134 17.00	75	07 31 ?	10	10	X	X	YSI
MACKENZIE BAY	11	69 49.10	134 36.30	75	07 31 ?	5	7	X	X	YSI
MACKENZIE BAY	2	69 48.80	133 58.20	75	08 02 ?	5	5	X	X	YSI
KUGMALL IT BAY	26	69 44.70	134 21.30	75	08 02 ?	4	4	X	X	YSI
MACKENZIE BAY	59	69 37.50	135 18.60	75	08 02 ?	5	5	X	X	YSI
KUGMALL IT BAY	60	69 44.90	133 40.20	75	08 02 ?	6	5	X	X	YSI
KUGMALL IT BAY	73	69 40.40	133 20.30	75	08 02 ?	5	5	X	X	YSI
KUGMALL IT BAY	74	69 35.70	133 09.50	75	08 02 ?	5	5	X	X	YSI
KUGMALL IT BAY	78	69 36.90	133 25.60	75	08 02 ?	5	5	X	X	YSI
KUGMALL IT BAY	79	69 40.30	133 51.00	75	08 02 ?	6	4	X	X	YSI
MACKENZIE BAY	1	69 54.90	134 17.00	75	08 03 ?	1	10	X	X	YSI
MACKENZIE BAY	10	69 32.30	135 44.40	75	08 03 ?	1	3	X	X	YSI
MACKENZIE BAY	11	69 49.10	134 36.30	75	08 03 ?	1	7	X	X	YSI
MACKENZIE BAY	12	69 42.20	134 35.80	75	08 03 ?	1	4	X	X	YSI



MACKENZIE BAY	14	69	33.70	134	36.30	75	08	03	?	0	2	X	X	YSI
MACKENZIE BAY	16	69	37.10	135	10.50	75	08	03	?	1	3	X	X	YSI
MACKENZIE BAY	17	69	40.00	135	13.00	75	08	03	?	1	5	X	X	YSI
MACKENZIE BAY	19	69	30.50	135	37.50	75	08	03	?	1	2	X	X	YSI
MACKENZIE BAY	26	69	44.70	134	21.30	75	08	03	?	4	4	X	X	YSI
MACKENZIE BAY	81	69	45.20	134	36.60	75	08	03	?	1	5	X	X	YSI
MACKENZIE BAY	8	69	32.70	135	57.00	75	08	04	?	1	5	X	X	YSI
MACKENZIE BAY	21	69	27.50	135	49.60	75	08	04	?	1	2	X	X	YSI
MACKENZIE BAY	22	69	25.00	135	49.70	75	08	04	?	1	2	X	X	YSI
MACKENZIE BAY	29	69	28.80	135	47.90	75	08	07	?	1	6	X	X	YSI
MACKENZIE BAY	31	69	37.10	135	18.20	75	08	10	?	1	3	X	X	YSI
MACKENZIE BAY	30	69	29.90	135	45.20	75	08	11	?	3	3	X	X	YSI
MACKENZIE BAY	32	69	33.30	135	33.50	75	08	11	?	3	3	X	X	YSI
MACKENZIE BAY	31	69	37.10	135	18.20	75	08	12	?	3	3	X	X	YSI
MACKENZIE BAY	58	69	30.30	135	21.80	75	08	12	?	2	2	X	X	YSI
MACKENZIE BAY	62	69	24.30	135	49.30	75	08	13	?	1	1	X	X	YSI
MACKENZIE BAY	14	69	33.70	134	36.30	75	08	15	?	2	2	X	X	YSI
MACKENZIE BAY	8	69	32.70	135	57.00	75	08	16	?	5	5	X	X	YSI
MACKENZIE BAY	9	69	37.40	135	54.20	75	08	16	?	7	8	X	X	YSI
MACKENZIE BAY	21	69	27.50	135	49.60	75	08	16	?	2	2	X	X	YSI
MACKENZIE BAY	71	69	18.50	136	09.00	75	08	18	?	2	2	X	X	YSI
MACKENZIE BAY	2	69	48.80	133	58.20	75	08	20	?	3	5	X	X	YSI
MACKENZIE BAY	26	69	44.70	134	21.30	75	08	20	?	4	4	X	X	YSI
MACKENZIE BAY	60	69	44.90	133	40.20	75	08	20	?	5	5	X	X	YSI
MACKENZIE BAY	73	69	40.40	133	20.30	75	08	20	?	5	5	X	X	YSI
MACKENZIE BAY	74	69	35.70	133	09.50	75	08	20	?	5	5	X	X	YSI
MACKENZIE BAY	75	69	31.50	133	06.50	75	08	20	?	5	5	X	X	YSI
MACKENZIE BAY	76	69	27.80	133	18.40	75	08	20	?	4	4	X	X	YSI
MACKENZIE BAY	77	69	33.90	133	30.30	75	08	20	?	4	4	X	X	YSI
MACKENZIE BAY	79	69	40.30	133	51.00	75	08	20	?	4	4	X	X	YSI
KUGMALLIT BAY	80	69	42.70	134	08.30	75	08	20	?	4	4	X	X	YSI

BOTTLE/CTD DATA SET NUMBER: 75-0006  
YEAR: 1975 VESSEL/AGENCY: PANDORA II, IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	1	70 15.00	139 04.30	75 08 05 07	405	453	X	X	BOTT
TUK. SHELF	3	70 00.40	135 28.20	75 08 05 19	30	33	X	X	BOTT
TUK. SHELF	2	70 40.70	134 42.90	75 08 05 20	50	55	X	X	BOTT
TUK. SHELF	4	70 54.00	132 28.20	75 08 07 17	60	64	X	X	BOTT
TUK. SHELF	5	71 18.90	130 36.50	75 08 08 03	70	72	X	X	BOTT
TUK. SHELF	6	70 09.20	132 14.60	75 08 08 16	25	30	X	X	BOTT
TUK. SHELF	7	69 33.50	138 55.50	75 08 09 19	7	9	X	X	BOTT
TUK. SHELF	8	69 34.70	137 29.40	75 08 12 17	15	20	X	X	BOTT
TUK. SHELF	9	70 05.40	137 36.60	75 08 13 02	75	83	X	X	BOTT
TUK. SHELF	11	69 51.80	136 00.30	75 08 13 14	15	17	X	X	BOTT
TUK. SHELF	13	70 27.50	134 53.10	75 08 14 01	50	50	X	X	BOTT
TUK. SHELF	15	70 01.70	134 03.10	75 08 14 15	17	20	X	X	BOTT
TUK. SHELF	16	70 20.90	133 56.50	75 08 14 21	40	48	X	X	BOTT
TUK. SHELF	17	70 39.50	134 00.50	75 08 15 02	55	64	X	X	BOTT
TUK. SHELF	20	70 00.30	133 01.20	75 08 15 13	10	14	X	X	BOTT
TUK. SHELF	21	70 30.00	133 00.50	75 08 15 22	40	38	X	X	BOTT
TUK. SHELF	22	70 54.80	133 22.00	75 08 16 03	65	70	X	X	BOTT
TUK. SHELF	25	70 00.70	132 00.30	75 08 16 15	10	15	X	X	BOTT
TUK. SHELF	26	70 29.40	132 02.20	75 08 16 22	30	35	X	X	BOTT
TUK. SHELF	27	70 59.60	132 03.30	75 08 17 03	60	65	X	X	BOTT
TUK. SHELF	30	70 19.60	131 02.30	75 08 17 14	15	18	X	X	BOTT
TUK. SHELF	31	70 50.30	131 09.40	75 08 17 22	40	50	X	X	BOTT
TUK. SHELF	32	71 10.50	131 15.40	75 08 18 02	68	80	X	X	BOTT
TUK. SHELF	34	70 22.90	130 19.40	75 08 18 16	13	18	X	X	BOTT
TUK. SHELF	35	70 56.50	129 59.50	75 08 18 22	29	35	X	X	BOTT
TUK. SHELF	36	71 22.70	130 12.30	75 08 19 02	42	73	X	X	BOTT
TUK. SHELF	37	69 49.00	133 20.80	75 08 19 15	7	10	X	X	BOTT
TUK. SHELF	38	69 53.70	134 57.80	75 08 20 04	11	14	X	X	BOTT
TUK. SHELF	39	70 14.40	134 58.20	75 08 20 10	40	45	X	X	BOTT
TUK. SHELF	40	70 26.30	136 08.50	75 08 20 15	50	58	X	X	BOTT
TUK. SHELF	41	70 19.30	136 40.10	75 08 20 19	50	60	X	X	BOTT
TUK. SHELF	42	70 00.60	136 33.40	75 08 21 00	25	30	X	X	BOTT
TUK. SHELF	43	69 42.70	136 33.60	75 08 21 05	12	15	X	X	BOTT
TUK. SHELF	44	69 37.80	137 19.50	75 08 21 08	39	48	X	X	BOTT
TUK. SHELF	45	69 44.70	138 07.10	75 08 21 16	140	155	X	X	BOTT
TUK. SHELF	46	69 25.00	138 02.00	75 08 21 16	60	65	X	X	BOTT
TUK. SHELF	47	69 13.50	137 54.00	75 08 22 00	25	27	X	X	BOTT

TUK. SHELF	48	70	09.99	133	25.00	75	08	23	10	23	28	X	X	BOTT
TUK. SHELF	48	70	09.99	133	25.00	75	08	23	11	23	28	X	X	BOTT
TUK. SHELF	48	70	09.99	133	25.00	75	08	23	12	25	28	X	X	BOTT
TUK. SHELF	48	70	09.99	133	25.00	75	08	23	13	25	28	X	X	BOTT
TUK. SHELF	48	70	09.99	133	25.00	75	08	23	14	25	28	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 75-0009  
 YEAR:1975 VESSEL/AGENCY: THETA, ARCTIC BIOL. STN.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	101	69 54.00	134 09.00	75 08 20 18	10	13	X	X	BOTT
TUK. SHELF	102	70 05.00	134 26.00	75 08 20 23	23	26	X	X	BOTT
TUK. SHELF	104	70 15.50	134 41.60	75 08 21 02	40	40	X	X	BOTT
TUK. SHELF	105	70 22.50	134 58.30	75 08 21 05	50	57	X	X	BOTT
TUK. SHELF	106	70 34.00	135 26.00	75 08 21 07	62	66	X	X	BOTT
TUK. SHELF	107	70 39.00	135 39.00	75 08 21 10	153	155	X	X	BOTT
HERSCHEL IS.	109	69 36.80	139 32.80	75 08 23 20	12	14	X	X	BOTT
HERSCHEL IS.	110	69 48.50	139 39.30	75 08 23 23	34	36	X	X	BOTT
HERSCHEL IS.	111	69 57.60	139 31.20	75 08 24 01	50	53	X	X	BOTT
HERSCHEL IS.	112	70 08.20	139 25.40	75 08 24 03	150	187	X	X	BOTT
HERSCHEL IS.	153	69 29.90	138 47.80	75 09 02 21	72	76	X	X	BOTT
TUK. SHELF	168	69 50.50	136 18.90	75 09 05 18	17	19	X	X	BOTT
TUK. SHELF	172	70 13.00	132 43.60	75 09 07 01	30	35	X	X	BOTT
TUK. SHELF	173	70 24.30	132 55.00	75 09 07 02	40	42	X	X	BOTT
TUK. SHELF	174	70 08.20	133 01.00	75 09 07 05	50	53	X	X	BOTT
TUK. SHELF	175	70 47.50	133 23.00	75 09 07 16	60	65	X	X	BOTT
TUK. SHELF	179	70 02.80	132 30.80	75 09 08 15	20	21	X	X	BOTT
TUK. SHELF	180	69 53.10	132 21.30	75 09 08 17	8	11	X	X	BOTT
TUK. SHELF	183	69 56.70	133 03.00	75 09 08 19	0	17	X	X	BOTT
TUK. SHELF	184	69 58.30	133 49.99	75 09 08 21	0	21	X	X	BOTT
TUK. SHELF	188	69 59.50	134 24.50	75 09 08 23	0	17	X	X	BOTT
TUK. SHELF	189	70 09.30	133 58.00	75 09 09 01	0	36	X	X	BOTT
TUK. SHELF	189	70 16.40	133 34.80	75 09 09 17	0	53	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 75-0010A  
 YEAR:1975 VESSEL/AGENCY: ARCTIC BIOL. STN.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
ESKIMO LAKES	515	69 32.00	131 11.00	75 02 28 03	40	48	X	X	BOTT
ESKIMO LAKES	508	69 34.80	131 18.00	75 02 28 05	20	24	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 75-0010B  
 YEAR:1975 VESSEL/AGENCY: ARCTIC BIOL. STN.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
ESKIMO LAKES	515	69 32.00	131 11.00	75 06 15 22	40	48	X	X	BOTT
ESKIMO LAKES	515	69 32.00	131 11.00	75 06 27 01	35	37	X	X	BOTT
ESKIMO LAKES	515	69 32.00	131 11.00	75 07 03 02	40	49	X	X	BOTT
ESKIMO LAKES	515	69 32.00	131 11.00	75 07 09 18	40	43	X	X	BOTT
ESKIMO LAKES	515	69 32.00	131 11.00	75 07 15 15	40	48	X	X	BOTT
ESKIMO LAKES	515	69 32.00	131 11.00	75 07 21 19	20	40	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 75-0011  
 YEAR:1975 VESSEL/AGENCY: FF SLANEY & CO. LTD.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE	DLTA	12	69 21.40	134 56.60	75 04 09 ?	0	? X	X	BOTT
MACKENZIE	DLTA	1	69 22.40	134 53.10	75 04 11 ?	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 04 11 ?	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 05 31 11	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 05 31 15	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 05 31 20	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 01 08	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 01 14	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 01 20	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 02 08	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 02 14	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 02 20	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 03 08	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 03 15	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 03 20	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 04 08	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 04 14	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 04 20	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 05 08	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 05 14	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 05 20	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 06 08	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 06 14	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 06 20	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 07 08	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 07 15	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 07 20	0	? X	X	BOTT
MACKENZIE	DLTA	19	69 22.50	134 58.80	75 06 08 ?	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 08 08	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 08 14	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 08 20	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 09 08	0	? X	X	BOTT
MACKENZIE	DLTA	1	69 22.40	134 53.10	75 06 10 ?	0	? X	X	BOTT
MACKENZIE	DLTA	12	69 21.40	134 56.60	75 06 10 ?	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 10 ?	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 10 08	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 10 20	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 11 08	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 11 14	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 11 20	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 12 08	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 12 20	0	? X	X	BOTT
MACKENZIE	DLTA	7	69 24.60	134 49.50	75 06 12 21	0	? X	X	BOTT
MACKENZIE	DLTA	6	69 24.70	134 50.70	75 06 12 22	0	? X	X	BOTT
MACKENZIE	DLTA	10	69 23.40	134 50.10	75 06 12 22	0	? X	X	BOTT
MACKENZIE	DLTA	9	69 23.00	134 51.10	75 06 12 22	0	? X	X	BOTT
MACKENZIE	DLTA	1	69 22.40	134 53.10	75 06 12 23	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 13 08	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 13 20	0	? X	X	BOTT
MACKENZIE	DLTA	11	69 23.80	134 50.90	75 06 13 23	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 14 08	0	? X	X	BOTT
MACKENZIE	DLTA	11	69 23.80	134 50.90	75 06 14 12	0	? X	X	BOTT
MACKENZIE	DLTA	7	69 24.60	134 49.50	75 06 14 12	0	? X	X	BOTT
MACKENZIE	DLTA	6	69 24.70	134 50.70	75 06 14 12	0	? X	X	BOTT
MACKENZIE	DLTA	10	69 23.40	134 50.10	75 06 14 14	0	? X	X	BOTT
MACKENZIE	DLTA	9	69 23.00	134 51.10	75 06 14 15	0	? X	X	BOTT
MACKENZIE	DLTA	1	69 22.40	134 53.10	75 06 14 15	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 14 17	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 14 20	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 15 09	0	? X	X	BOTT
MACKENZIE	DLTA	11	69 23.80	134 50.90	75 06 15 12	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 15 16	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 15 20	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 16 08	0	? X	X	BOTT
MACKENZIE	DLTA	7	69 24.60	134 49.50	75 06 16 13	0	? X	X	BOTT
MACKENZIE	DLTA	6	69 24.70	134 50.70	75 06 16 13	0	? X	X	BOTT
MACKENZIE	DLTA	11	69 23.80	134 50.90	75 06 16 13	0	? X	X	BOTT
MACKENZIE	DLTA	10	69 23.40	134 50.10	75 06 16 16	0	? X	X	BOTT
MACKENZIE	DLTA	9	69 23.00	134 51.10	75 06 16 16	0	? X	X	BOTT
MACKENZIE	DLTA	1	69 22.40	134 53.10	75 06 16 17	0	? X	X	BOTT
MACKENZIE	DLTA	18	69 22.00	134 57.20	75 06 16 20	0	? X	X	BOTT

MACKENZIE	DLTA	18	69	22.00	134	57.20	75	06	17	08	0	?	X	X	BOTT
MACKENZIE	DLTA	7	69	24.60	134	49.50	75	06	17	12	0	?	X	X	BOTT
MACKENZIE	DLTA	6	69	24.70	134	50.70	75	06	17	12	0	?	X	X	BOTT
MACKENZIE	DLTA	11	69	23.80	134	50.90	75	06	17	15	0	?	X	X	BOTT
MACKENZIE	DLTA	10	69	23.40	134	50.10	75	06	17	15	0	?	X	X	BOTT
MACKENZIE	DLTA	9	69	23.00	134	51.10	75	06	17	15	0	?	X	X	BOTT
MACKENZIE	DLTA	1	69	22.40	134	53.10	75	06	17	15	0	?	X	X	BOTT
MACKENZIE	DLTA	18	69	22.00	134	57.20	75	06	17	20	0	?	X	X	BOTT
MACKENZIE	DLTA	18	69	22.00	134	57.20	75	06	18	08	0	?	X	X	BOTT
MACKENZIE	DLTA	6	69	24.70	134	50.70	75	06	18	13	0	?	X	X	BOTT
MACKENZIE	DLTA	11	69	23.80	134	50.90	75	06	18	16	0	?	X	X	BOTT
MACKENZIE	DLTA	10	69	23.40	134	50.10	75	06	18	16	0	?	X	X	BOTT
MACKENZIE	DLTA	9	69	23.00	134	51.10	75	06	18	17	0	?	X	X	BOTT
MACKENZIE	DLTA	1	69	22.40	134	53.10	75	06	18	17	0	?	X	X	BOTT
MACKENZIE	DLTA	18	69	22.00	134	57.20	75	06	18	20	0	?	X	X	BOTT
MACKENZIE	DLTA	18	69	22.00	134	57.20	75	06	19	08	0	?	X	X	BOTT
MACKENZIE	DLTA	7	69	24.60	134	49.50	75	06	19	13	0	?	X	X	BOTT
MACKENZIE	DLTA	6	69	24.70	134	50.70	75	06	19	14	0	?	X	X	BOTT
MACKENZIE	DLTA	11	69	23.80	134	50.90	75	06	19	14	0	?	X	X	BOTT
MACKENZIE	DLTA	10	69	23.40	134	50.10	75	06	19	14	0	?	X	X	BOTT
MACKENZIE	DLTA	9	69	23.00	134	51.10	75	06	19	15	0	?	X	X	BOTT
MACKENZIE	DLTA	1	69	22.40	134	53.10	75	06	19	15	0	?	X	X	BOTT
MACKENZIE	DLTA	18	69	22.00	134	57.20	75	06	19	20	0	?	X	X	BOTT
MACKENZIE	DLTA	18	69	22.00	134	57.20	75	06	20	20	0	?	X	X	BOTT
MACKENZIE	DLTA	1	69	22.40	134	53.10	75	06	21	?	0	?	X	X	BOTT
MACKENZIE	DLTA	6	69	24.70	134	50.70	75	06	21	?	0	?	X	X	BOTT
MACKENZIE	DLTA	7	69	24.60	134	49.50	75	06	21	?	0	?	X	X	BOTT
MACKENZIE	DLTA	9	69	23.00	134	51.10	75	06	21	?	0	?	X	X	BOTT
MACKENZIE	DLTA	10	69	23.40	134	50.10	75	06	21	?	0	?	X	X	BOTT
MACKENZIE	DLTA	18	69	22.00	134	57.20	75	06	21	08	0	?	X	X	BOTT
MACKENZIE	DLTA	7	69	24.60	134	49.50	75	06	21	13	0	?	X	X	BOTT
MACKENZIE	DLTA	6	69	24.70	134	50.70	75	06	21	13	0	?	X	X	BOTT
MACKENZIE	DLTA	11	69	23.80	134	50.90	75	06	21	14	0	?	X	X	BOTT
MACKENZIE	DLTA	10	69	23.40	134	50.10	75	06	21	17	0	?	X	X	BOTT
MACKENZIE	DLTA	9	69	23.00	134	51.10	75	06	21	17	0	?	X	X	BOTT
MACKENZIE	DLTA	1													

MACKENZIE DLTA	18	69	22.00	134	57.20	75	09	27	21	0	?	X	X	BOTT
MACKENZIE DLTA	18	69	22.00	134	57.20	75	09	28	21	0	?	X	X	BOTT
MACKENZIE DLTA	18	69	22.00	134	57.20	75	09	29	09	0	?	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 75-0012A  
 YEAR: 1975 VESSEL/AGENCY: ARCTIC BIOL. STN.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	BD4	69 56.80	133 25.00	75 04 26 ?	20	21	X	X	BOTT
TUK. SHELF	BD4	69 56.80	133 25.00	75 04 27 ?	20	21	X	X	BOTT
MACKENZIE BAY	CD4	69 36.70	137 58.00	75 05 02 ?	75	76	X	X	BOTT
TUK. SHELF	562	69 35.00	133 05.00	75 05 05 22	1	1	X	X	BOTT
TUK. SHELF	1D4	69 39.00	133 19.00	75 05 09 ?	0	0	X	X	BOTT
TUK. SHELF	2D4	69 59.00	133 10.00	75 05 09 ?	23	21	X	X	BOTT
TUK. SHELF	3D4	70 22.80	133 24.30	75 05 09 ?	30	49	X	X	BOTT
TUK. SHELF	5D4	70 13.20	132 44.20	75 05 09 ?	30	31	X	X	BOTT
TUK. SHELF	563	69 27.00	133 01.00	75 05 09 19	1	1	X	X	BOTT
TUK. SHELF	564	69 40.00	132 40.00	75 05 09 22	1	1	X	X	BOTT
MACKENZIE BAY	12D4	69 52.30	137 02.60	75 05 10 ?	30	35	X	X	BOTT
TUK. SHELF	565	70 08.00	132 37.00	75 06 17 14	30	31	X	X	BOTT
MACKENZIE BAY	566	70 06.00	138 56.00	75 07 05 22	315	318	X	X	BOTT
TUK. SHELF	601	69 23.30	133 47.00	75 07 11 14	2	2	X	X	BOTT
TUK. SHELF	602	69 18.60	133 54.50	75 07 12 00	9	10	X	X	BOTT
TUK. SHELF	603	69 15.60	134 10.00	75 07 12 02	7	8	X	X	BOTT
MACKENZIE BAY	567	70 49.00	136 22.00	75 07 13 00	719	720	X	X	BOTT
TUK. SHELF	604	69 32.30	133 52.50	75 07 13 16	3	4	X	X	BOTT
TUK. SHELF	605	69 30.30	133 55.00	75 07 13 20	14	15	X	X	BOTT
TUK. SHELF	606	69 31.80	133 57.00	75 07 14 00	15	15	X	X	BOTT
TUK. SHELF	607	69 34.30	134 09.00	75 07 14 16	25	26	X	X	BOTT
TUK. SHELF	608	69 32.30	134 09.40	75 07 14 21	3	4	X	X	BOTT
TUK. SHELF	609	69 32.90	134 07.50	75 07 14 23	11	11	X	X	BOTT
TUK. SHELF	610	69 33.50	134 05.00	75 07 15 00	18	18	X	X	BOTT
TUK. SHELF	611	69 34.30	134 03.00	75 07 15 18	2	3	X	X	BOTT
TUK. SHELF	606	69 31.80	133 57.00	75 07 16 18	14	14	X	X	BOTT
TUK. SHELF	607	69 34.30	134 09.00	75 07 16 20	25	26	X	X	BOTT
TUK. SHELF	608	69 32.30	134 09.30	75 07 17 05	3	3	X	X	BOTT
TUK. SHELF	612	69 35.90	133 58.50	75 07 17 18	6	7	X	X	BOTT
TUK. SHELF	613	69 38.50	133 55.00	75 07 17 19	3	4	X	X	BOTT
MACKENZIE BAY	568	70 14.00	139 04.00	75 07 18 13	403	408	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 75-0012B  
 YEAR: 1975 VESSEL/AGENCY: ARCTIC BIOL. STN.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
KUGMALLIT BAY	003	69 38.10	132 45.00	75 05 10 ?	1	?	X	X	BOTT
KUGMALLIT BAY	005	69 22.70	133 12.50	75 07 07 ?	2	?	X	X	BOTT
KUGMALLIT BAY	006	69 22.00	133 13.70	75 07 07 ?	1	?	X	X	BOTT
KUGMALLIT BAY	007	69 23.80	133 09.70	75 07 08 ?	1	?	X	X	BOTT
KUGMALLIT BAY	008	69 22.90	133 14.60	75 07 10 ?	1	?	X	X	BOTT
KUGMALLIT BAY	009	69 23.80	133 07.10	75 07 11 ?	1	?	X	X	BOTT
KUGMALLIT BAY	012	69 21.70	133 39.20	75 07 19 ?	3	?	X	X	BOTT
KUGMALLIT BAY	013	69 20.20	133 40.80	75 07 19 ?	3	?	X	X	BOTT
KUGMALLIT BAY	014	69 19.50	133 44.40	75 07 20 ?	2	?	X	X	BOTT
KUGMALLIT BAY	015	69 19.90	133 43.20	75 07 20 ?	2	?	X	X	BOTT
TUK. SHELF	016	69 39.30	132 23.90	75 07 26 ?	2	?	X	X	BOTT
TUK. SHELF	017	69 38.20	132 27.80	75 07 26 ?	2	?	X	X	BOTT
TUK. SHELF	018	69 38.80	132 32.80	75 07 26 ?	1	?	X	X	BOTT
TUK. SHELF	019	69 40.20	132 42.20	75 07 29 ?	1	?	X	X	BOTT
TUK. SHELF	020	69 41.60	132 24.10	75 07 29 ?	1	?	X	X	BOTT
TUK. SHELF	023	69 42.40	132 09.20	75 08 04 ?	2	?	X	X	BOTT
KUGMALLIT BAY	104	69 24.10	133 00.00	75 08 04 ?	4	?	X	X	BOTT
TUK. SHELF	025	69 45.20	132 14.50	75 08 05 ?	2	?	X	X	BOTT
TUK. SHELF	026	69 43.80	132 12.10	75 08 05 ?	2	?	X	X	BOTT

TUK. SHELF	028	69	40.90	132	08.30	75	08	08	?	2	?	X	X	BOTT
TUK. SHELF	029	69	43.20	132	14.00	75	08	08	?	1	?	X	X	BOTT
KUGMALL IT BAY	105	69	25.15	132	58.60	75	08	08	?	23	?	X	X	BOTT
KUGMALL IT BAY	107	69	41.20	132	57.50	75	08	13	?	8	?	X	X	BOTT
KUGMALL IT BAY	108	69	44.70	133	08.50	75	08	13	?	8	?	X	X	BOTT
KUGMALL IT BAY	109	69	48.20	133	18.67	75	08	13	?	10	?	X	X	BOTT
TUK. SHELF	030	69	54.10	131	07.90	75	08	15	?	2	?	X	X	BOTT
TUK. SHELF	031	69	56.50	131	09.90	75	08	15	?	2	?	X	X	BOTT
TUK. SHELF	032	70	00.70	131	09.60	75	08	16	?	2	?	X	X	BOTT
TUK. SHELF	033	69	58.20	131	17.40	75	08	16	?	2	?	X	X	BOTT
TUK. SHELF	034	69	59.90	131	04.80	75	08	17	?	2	?	X	X	BOTT
KUGMALL IT BAY	110	69	24.40	132	59.80	75	08	17	?	7	?	X	X	BOTT
KUGMALL IT BAY	111	69	24.50	132	59.60	75	08	17	?	9	?	X	X	BOTT
KUGMALL IT BAY	112	69	26.50	132	59.10	75	08	18	?	5	?	X	X	BOTT
KUGMALL IT BAY	113	69	27.00	132	59.70	75	08	18	?	9	?	X	X	BOTT
KUGMALL IT BAY	114	69	27.35	133	01.60	75	08	18	?	5	?	X	X	BOTT
KUGMALL IT BAY	115	69	31.50	133	08.00	75	08	20	?	5	?	X	X	BOTT
KUGMALL IT BAY	116	69	38.50	133	03.50	75	08	24	?	6	?	X	X	BOTT
KUGMALL IT BAY	117	69	35.50	133	09.50	75	08	24	?	5	?	X	X	BOTT
KUGMALL IT BAY	118	69	33.70	133	09.50	75	08	24	?	5	?	X	X	BOTT
KUGMALL IT BAY	119	69	46.60	132	47.00	75	08	25	?	8	?	X	X	BOTT
KUGMALL IT BAY	120	69	44.00	132	51.00	75	08	25	?	7	?	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 75-0025  
 YEAR:1975 VESSEL/AGENCY: DEPT. ENV.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
YUKON COAST	B	69 34.00	138 56.00	75 05 ? ?	5	5	X	X	YSI
YUKON COAST	C	69 22.00	138 45.00	75 05 ? ?	7	7	X	X	YSI
YUKON COAST	D	69 17.00	138 35.00	75 05 ? ?	7	7	X	X	YSI
YUKON COAST	E	69 08.00	137 58.00	75 05 ? ?	15	16	X	X	YSI
YUKON COAST	F	69 05.00	137 44.00	75 05 ? ?	12	12	X	X	YSI
YUKON COAST	G	69 02.00	137 10.00	75 05 ? ?	4	4	X	X	YSI
YUKON COAST	104	69 00.00	137 19.00	75 07 16 ?	3	3	X	X	YSI
YUKON COAST	107	68 58.00	137 05.00	75 07 16 ?	3	3	X	X	YSI
YUKON COAST	100	69 07.00	137 58.00	75 07 17 ?	0	13	X	X	YSI
YUKON COAST	100	69 07.00	137 58.00	75 07 17 ?	13	13	X	X	YSI
YUKON COAST	100	69 07.00	137 58.00	75 07 17 ?	15	20	X	X	YSI
YUKON COAST	114	69 06.50	137 58.00	75 07 17 ?	0	0	X	X	YSI
YUKON COAST	114	69 06.50	137 58.00	75 07 17 ?	3	3	X	X	YSI
YUKON COAST	26B	69 21.00	138 46.00	75 07 18 ?	2	2	X	X	YSI
YUKON COAST	31	69 34.00	138 54.00	75 07 20 ?	4	4	X	X	YSI
YUKON COAST	45	69 29.00	138 52.00	75 07 20 ?	0	3	X	X	YSI
YUKON COAST	34	69 34.00	138 52.00	75 07 21 ?	3	3	X	X	YSI
YUKON COAST	25	69 21.00	138 44.00	75 07 23 ?	2	2	X	X	YSI
YUKON COAST	25	69 21.00	138 44.00	75 07 23 ?	12	12	X	X	YSI
YUKON COAST	1	69 15.00	138 31.00	75 07 24 ?	1	1	X	X	YSI
YUKON COAST	40	69 19.50	138 34.00	75 07 24 ?	2	2	X	X	YSI
YUKON COAST	100A	69 09.50	137 55.00	75 07 29 ?	15	26	X	X	YSI
YUKON COAST	26B	69 21.00	138 46.00	75 08 04 ?	3	3	X	X	YSI
YUKON COAST	26C	69 21.00	138 47.00	75 08 04 ?	2	2	X	X	YSI
YUKON COAST	26C	69 21.00	138 47.00	75 08 04 ?	3	3	X	X	YSI
YUKON COAST	31B	69 34.00	138 55.00	75 08 05 ?	5	5	X	X	YSI
YUKON COAST	25	69 21.00	138 44.00	75 08 07 ?	6	6	X	X	YSI

BOTTLE/CTD DATA SET NUMBER: 75-0026  
 YEAR:1975 VESSEL/AGENCY: NORCOR

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
FRANKLIN BAY	CC1	70 00.00	125 00.00	75 04 12 18	180	?	X	X	YSI
FRANKLIN BAY	CC1	70 00.00	125 00.00	75 04 12 22	180	?	X	X	YSI
FRANKLIN BAY	CC1	70 00.00	125 00.00	75 04 13 02	180	?	X	X	YSI
FRANKLIN BAY	CC1	70 00.00	125 00.00	75 04 13 06	180	?	X	X	YSI

FRANKLIN BAY	CC1	70	00.00	125	00.00	75	04	13	15	180	?	X	X	YSI
FRANKLIN BAY	CC1	70	00.00	125	00.00	75	04	13	17	180	?	X	X	YSI
FRANKLIN BAY	CC1	70	00.00	125	00.00	75	12	10	01	180	?	X	X	YSI
FRANKLIN BAY	CC1	70	00.00	125	00.00	75	12	10	06	180	?	X	X	YSI
FRANKLIN BAY	CC1	70	00.00	125	00.00	75	12	10	10	180	?	X	X	YSI
FRANKLIN BAY	CC1	70	00.00	125	00.00	75	12	10	13	180	?	X	X	YSI
FRANKLIN BAY	CC1	70	00.00	125	00.00	75	12	10	20	180	?	X	X	YSI

BOTTLE/CTD DATA SET NUMBER: 75-0028  
 YEAR:1975 VESSEL/AGENCY: DEPT. ENV.

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT NO HR
		DEG	MIN	DEG	MIN	YR	MO	DAY	HR			C	S	T		
FRANKLIN BAY	BH1	70	00.00	125	00.00	75	05	24	?	3	?	X	X	TC-2		
FRANKLIN BAY	BH2	70	00.00	125	00.00	75	05	24	?	5	?	X	X	TC-2		
FRANKLIN BAY	BH3	70	00.00	125	00.00	75	05	24	?	7	?	X	X	TC-2		
FRANKLIN BAY	BH4	70	00.00	125	00.00	75	05	24	?	8	?	X	X	TC-2		
FRANKLIN BAY	BH5	70	00.00	125	00.00	75	05	24	?	10	?	X	X	TC-2		
FRANKLIN BAY	BH6	70	00.00	125	00.00	75	05	24	?	10	?	X	X	TC-2		
FRANKLIN BAY	BH7	70	00.00	125	00.00	75	05	24	?	8	?	X	X	TC-2		
FRANKLIN BAY	BH7	70	00.00	125	00.00	75	05	26	?	9	?	X	X	TC-2		
FRANKLIN BAY	BH6	70	00.00	125	00.00	75	05	27	?	10	?	X	X	TC-2		
FRANKLIN BAY	BH7	70	00.00	125	00.00	75	05	27	?	8	?	X	X	TC-2		
FRANKLIN BAY	BH6	70	00.00	125	00.00	75	06	01	?	9	?	X	X	TC-2		
FRANKLIN BAY	BH7	70	00.00	125	00.00	75	06	01	?	8	?	X	X	TC-2		
FRANKLIN BAY	BH6	70	00.00	125	00.00	75	06	03	?	10	?	X	X	TC-2		
FRANKLIN BAY	BH7	70	00.00	125	00.00	75	06	03	?	9	?	X	X	TC-2		
FRANKLIN BAY	BH7	70	00.00	125	00.00	75	06	05	?	9	?	X	X	TC-2		
FRANKLIN BAY	BH7	70	00.00	125	00.00	75	06	06	?	9	?	X	X	TC-2		
FRANKLIN BAY	BH7	70	00.00	125	00.00	75	06	06	16	4	?	X	X	TC-2		
FRANKLIN BAY	BH7	70	00.00	125	00.00	75	06	07	?	9	?	X	X	TC-2		
FRANKLIN BAY	BH7	70	00.00	125	00.00	75	06	07	19	5	?	X	X	TC-2		
FRANKLIN BAY	BH7	70	00.00	125	00.00	75	06	09	?	8	?	X	X	TC-2		
FRANKLIN BAY	BH7	70	00.00	125	00.00	75	06	10	?	8	?	X	X	TC-2		
FRANKLIN BAY	BH7	70	00.00	125	00.00	75	06	10	20	3	?	X	X	TC-2		
FRANKLIN BAY	BH2	70	00.00	125	00.00	75	06	11	?	5	?	X	X	TC-2		
FRANKLIN BAY	BH4	70	00.00	125	00.00	75	06	11	?	8	?	X	X	TC-2		
FRANKLIN BAY	BH6	70	00.00	125	00.00	75	06	11	?	10	?	X	X	TC-2		
FRANKLIN BAY	BH8	70	00.00	125	00.00	75	06	11	?	7	?	X	X	TC-2		
FRANKLIN BAY	FH1	70	00.00	125	00.00	75	06	11	?	6	?	X	X	TC-2		
FRANKLIN BAY	BH7A	70	00.00	125	00.00	75	06	11	?	9	?	X	X	TC-2		
FRANKLIN BAY	BH7	70	00.00	125	00.00	75	06	11	18	2	?	X	X	TC-2		
FRANKLIN BAY	BH7	70	00.00	125	00.00	75	06	13	?	2	?	X	X	TC-2		
FRANKLIN BAY	BH2	70	00.00	125	00.00	75	06	16	?	5	?	X	X	TC-2		
FRANKLIN BAY	BH3	70	00.00	125	00.00	75	06	16	?	8	?	X	X	TC-2		
FRANKLIN BAY	BH4	70	00.00	125	00.00	75	06	16	?	8	?	X	X	TC-2		
FRANKLIN BAY	BH6	70	00.00	125	00.00	75	06	16	?	9	?	X	X	TC-2		
FRANKLIN BAY	BH8	70	00.00	125	00.00	75	06	16	?	7	?	X	X	TC-2		
FRANKLIN BAY	BH7B	70	00.00	125	00.00	75	06	16	?	8	?	X	X	TC-2		
FRANKLIN BAY	BH7B	70	00.00	125	00.00	75	06	16	?	9	?	X	X	TC-2		
FRANKLIN BAY	BH2	70	00.00	125	00.00	75	06	18	?	6	?	X	X	TC-2		
FRANKLIN BAY	BH3	70	00.00	125	00.00	75	06	18	?	7	?	X	X	TC-2		
FRANKLIN BAY	BH4	70	00.00	125	00.00	75	06	18	?	8	?	X	X	TC-2		
FRANKLIN BAY	BH6	70	00.00	125	00.00	75	06	18	?	9	?	X	X	TC-2		
FRANKLIN BAY	BH8	70	00.00	125	00.00	75	06	18	?	7	?	X	X	TC-2		
FRANKLIN BAY	FH1	70	00.00	125	00.00	75	06	18	?	6	?	X	X	TC-2		
FRANKLIN BAY	FH2	70	00.00	125	00.00	75	06	18	?	7	?	X	X	TC-2		
FRANKLIN BAY	BH7B	70	00.00	125	00.00	75	06	18	?	9	?	X	X	TC-2		
FRANKLIN BAY	BH3	70	00.00	125	00.00	75	06	22	?	7	?	X	X	TC-2		
FRANKLIN BAY	BH4	70	00.00	125	00.00	75	06	22	?	8	?	X	X	TC-2		
FRANKLIN BAY	BH6	70	00.00	125	00.00	75	06	22	?	10	?	X	X	TC-2		
FRANKLIN BAY	BH8	70	00.00	125	00.00	75	06	22	?	7	?	X	X	TC-2		
FRANKLIN BAY	FH1	70	00.00	125	00.00	75	06	22	?	6	?	X	X	TC-2		
FRANKLIN BAY	BH7B	70	00.00	125	00.00	75	06	22	?	9	?	X	X	TC-2		
FRANKLIN BAY	I	70	00.00	125	00.00	75	06	24	?	10	?	X	X	TC-2		
FRANKLIN BAY	II	70	00.00	125	00.00	75	06	24	?	18	?	X	X	TC-2		
FRANKLIN BAY	IV	70	00.00	125	00.00	75	06	24	?	20	?	X	X	TC-2		
FRANKLIN BAY	III	70	00.00	125	00.00	75	06	24	?	13	?	X	X	TC-2		
FRANKLIN BAY	II	70	00.00	125	00.00	75	06	25	?	11	?	X	X	TC-2		
FRANKLIN BAY	BH7B	70	00.00	125	00.00	75	06	25	?	9	?	X	X	TC-2		

BOTTLE/CTD DATA SET NUMBER: 75-0042  
YEAR:1975 VESSEL/AGENCY: AQ.ENV.LTD.

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR	INT NO HR
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T		
MACKENZIE DELT CAMP1		68	46.8	136	00.0	75	07	02	?	0	?	X		X	BOTT	
MACKENZIE DELT CAMP2		69	04.9	134	49.5	75	07	06	?	0	?	X		X	BOTT	



BOTTLE/CTD DATA SET NUMBER: 76-0001  
 YEAR:1976 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	1	70 10.60	132 58.90	76 08 09 02	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 08 25 04	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 08 25 04	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 08 26 05	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 08 27 05	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 08 28 04	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 08 29 04	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 08 30 02	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 08 31 02	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 09 01 03	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 09 02 04	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 09 03 02	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 09 04 04	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 09 06 04	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 09 08 03	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 09 09 00	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 09 11 02	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 09 13 06	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 09 14 03	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 09 19 01	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 09 21 02	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 09 23 03	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 09 24 02	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 09 25 03	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 09 28 04	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 10 03 04	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 10 04 05	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 10 05 05	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 10 06 04	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 10 07 05	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 10 10 05	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 10 10 05	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 10 11 03	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 10 12 04	30	30	X	X	BOTT
TUK. SHELF	1	70 10.60	132 58.90	76 10 13 00	30	30	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 08 15 03	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 08 16 02	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 08 17 06	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 08 18 06	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 08 19 04	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 08 25 03	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 08 28 02	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 08 30 03	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 09 01 03	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 09 02 00	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 09 03 05	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 09 04 02	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 09 07 22	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 09 11 03	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 09 18 02	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 09 21 03	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 09 24 02	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 09 27 02	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 10 03 03	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 10 06 20	50	59	X	X	BOTT
TUK. SHELF	3	70 22.90	135 05.60	76 10 09 23	50	59	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 76-0003  
 YEAR: 1976 VESSEL/AGENCY: FF SLANEY SLANEY CO. LTD.

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
KUGMALL IT BAY	BW	69 43.30	132 37.70	76 07 17 ?	6	6	X	X YSI	
KUGMALL IT BAY	E03	69 42.30	132 34.80	76 07 18 ?	6	6	X	X YSI	
KUGMALL IT BAY	E05	69 42.30	132 34.50	76 07 18 ?	6	6	X	X YSI	
KUGMALL IT BAY	E10	69 42.30	132 33.80	76 07 18 ?	5	5	X	X YSI	
KUGMALL IT BAY	S03	69 42.20	132 35.30	76 07 18 ?	5	5	X	X YSI	
KUGMALL IT BAY	W03	69 42.30	132 35.80	76 07 19 ?	6	7	X	X YSI	
KUGMALL IT BAY	W05	69 42.30	132 36.10	76 07 19 ?	7	7	X	X YSI	
KUGMALL IT BAY	W10	69 42.30	132 36.80	76 07 19 ?	7	7	X	X YSI	
KUGMALL IT BAY	N03	69 42.40	132 35.30	76 07 20 ?	6	6	X	X YSI	
KUGMALL IT BAY	N05	69 42.60	132 35.30	76 07 20 ?	7	7	X	X YSI	
KUGMALL IT BAY	N10	69 42.80	132 35.30	76 07 20 ?	6	6	X	X YSI	
KUGMALL IT BAY	NW1	56 42.80	132 36.60	76 07 20 ?	6	6	X	X YSI	
KUGMALL IT BAY	S05	69 42.00	132 35.30	76 07 20 ?	5	5	X	X YSI	
KUGMALL IT BAY	S10	69 41.80	132 35.30	76 07 20 ?	5	5	X	X YSI	
KUGMALL IT BAY	N02	56 48.80	133 45.10	76 07 28 ?	8	9	X	X YSI	
KUGMALL IT BAY	N05	69 48.80	133 45.10	76 07 28 ?	8	9	X	X YSI	
KUGMALL IT BAY	N10	69 49.00	133 45.10	76 07 28 ?	8	9	X	X YSI	
KUGMALL IT BAY	N02	56 48.70	133 45.10	76 07 29 ?	8	9	X	X YSI	
KUGMALL IT BAY	N05	69 48.80	133 45.10	76 07 29 ?	8	9	X	X YSI	
KUGMALL IT BAY	N10	69 49.00	133 45.10	76 07 29 ?	9	9	X	X YSI	
KUGMALL IT BAY	N15	69 49.30	133 45.10	76 07 29 ?	10	10	X	X YSI	
KUGMALL IT BAY	S05	69 48.20	133 45.10	76 07 29 ?	9	8	X	X YSI	
KUGMALL IT BAY	S25	69 48.40	133 45.10	76 07 29 ?	8	8	X	X YSI	
KUGMALL IT BAY	W02	56 48.50	133 45.50	76 07 29 ?	8	8	X	X YSI	
KUGMALL IT BAY	W05	69 48.50	133 45.90	76 07 29 ?	8	8	X	X YSI	
KUGMALL IT BAY	W10	69 48.50	133 46.60	76 07 29 ?	9	9	X	X YSI	
KUGMALL IT BAY	S10	69 48.00	133 45.10	76 07 30 ?	7	7	X	X YSI	
KUGMALL IT BAY	N15	69 49.30	133 45.10	76 07 31 ?	8	9	X	X YSI	
KUGMALL IT BAY	STN	69 48.50	133 45.10	76 07 31 ?	8	8	X	X YSI	
KUGMALL IT BAY	E03	69 48.50	133 44.60	76 08 05 ?	8	9	X	X YSI	
KUGMALL IT BAY	N15	69 49.30	133 45.10	76 08 05 ?	8	10	X	X YSI	
KUGMALL IT BAY	N15	69 49.30	133 45.10	76 08 05 ?	9	10	X	X YSI	
KUGMALL IT BAY	E13	69 48.50	133 44.90	76 08 06 ?	8	8	X	X YSI	
KUGMALL IT BAY	N15	69 49.30	133 45.10	76 08 06 ?	8	10	X	X YSI	
KUGMALL IT BAY	E10	69 48.50	133 43.60	76 08 10 ?	9	10	X	X YSI	
KUGMALL IT BAY	N10	69 49.00	133 45.10	76 08 10 ?	9	9	X	X YSI	
KUGMALL IT BAY	S05	69 48.20	133 45.10	76 08 10 ?	7	8	X	X YSI	
KUGMALL IT BAY	S10	69 48.00	133 45.10	76 08 10 ?	7	7	X	X YSI	
KUGMALL IT BAY	S25	69 48.40	133 45.10	76 08 10 ?	8	8	X	X YSI	
KUGMALL IT BAY	W10	69 48.50	133 46.60	76 08 10 ?	8	8	X	X YSI	
KUGMALL IT BAY	N15	69 49.30	133 45.10	76 08 11 ?	8	9	X	X YSI	
KUGMALL IT BAY	SW1	36 48.50	133 45.20	76 08 11 ?	8	8	X	X YSI	
KUGMALL IT BAY	N15	69 49.30	133 45.10	76 08 20 ?	10	10	X	X YSI	
KUGMALL IT BAY	W05	69 48.50	133 45.90	76 08 22 ?	7	8	X	X YSI	
KUGMALL IT BAY	E05	69 48.50	133 44.30	76 08 24 ?	8	8	X	X YSI	
KUGMALL IT BAY	N05	69 48.80	133 45.10	76 08 24 ?	8	9	X	X YSI	
KUGMALL IT BAY	N15	69 49.30	133 45.10	76 08 24 ?	10	10	X	X YSI	
KUGMALL IT BAY	S05	69 48.20	133 45.10	76 08 24 ?	7	8	X	X YSI	
KUGMALL IT BAY	W05	69 48.50	133 45.90	76 08 24 ?	7	8	X	X YSI	
KUGMALL IT BAY	NW5	69 48.60	133 45.60	76 08 27 ?	1	8	X	X YSI	
KUGMALL IT BAY	SW2	56 48.40	133 45.20	76 08 27 ?	0	8	X	X YSI	
KUGMALL IT BAY	BW	69 43.30	132 37.70	76 09 02 ?	6	6	X	X YSI	
KUGMALL IT BAY	NE0	36 42.40	132 35.10	76 09 02 ?	6	6	X	X YSI	
KUGMALL IT BAY	NE0	56 42.50	132 34.90	76 09 02 ?	6	6	X	X YSI	
KUGMALL IT BAY	NE1	69 42.60	132 34.30	76 09 02 ?	7	7	X	X YSI	
KUGMALL IT BAY	NW0	36 42.40	132 35.50	76 09 02 ?	6	6	X	X YSI	
KUGMALL IT BAY	NW0	56 42.50	132 35.70	76 09 02 ?	6	6	X	X YSI	
KUGMALL IT BAY	NW1	56 42.80	132 36.60	76 09 02 ?	8	8	X	X YSI	
KUGMALL IT BAY	NW1	69 42.60	132 36.30	76 09 02 ?	8	8	X	X YSI	
KUGMALL IT BAY	SE0	36 42.20	132 35.10	76 09 02 ?	5	5	X	X YSI	
KUGMALL IT BAY	SE0	56 42.10	132 34.90	76 09 02 ?	4	4	X	X YSI	
KUGMALL IT BAY	SE1	69 42.00	132 34.30	76 09 02 ?	5	5	X	X YSI	
KUGMALL IT BAY	SW0	36 42.20	132 35.50	76 09 03 ?	6	6	X	X YSI	
KUGMALL IT BAY	SW0	56 42.10	132 35.70	76 09 03 ?	6	6	X	X YSI	
KUGMALL IT BAY	SW1	69 42.00	132 36.30	76 09 03 ?	6	6	X	X YSI	
KUGMALL IT BAY	E05	69 48.50	133 44.30	76 09 04 ?	9	9	X	X YSI	
KUGMALL IT BAY	N03	69 48.80	133 45.10	76 09 04 ?	8	9	X	X YSI	
KUGMALL IT BAY	N05	69 48.80	133 45.10	76 09 04 ?	8	9	X	X YSI	
KUGMALL IT BAY	N10	69 49.00	133 45.10	76 09 04 ?	8	9	X	X YSI	
KUGMALL IT BAY	N15	69 49.30	133 45.10	76 09 04 ?	9	10	X	X YSI	
KUGMALL IT BAY	S03	69 48.30	133 45.10	76 09 04 ?	8	8	X	X YSI	

KUGMALL IT BAY	S05	69	48.20	133	45.10	76	09	04	?	8	8	X	X	YSI
KUGMALL IT BAY	S10	69	48.00	133	45.10	76	09	04	?	7	8	X	X	YSI
KUGMALL IT BAY	E03	69	48.50	133	44.60	76	09	05	?	9	9	X	X	YSI
KUGMALL IT BAY	E10	69	48.50	133	43.60	76	09	05	?	9	9	X	X	YSI
KUGMALL IT BAY	W03	69	48.50	133	45.60	76	09	05	?	9	9	X	X	YSI
KUGMALL IT BAY	W10	69	48.50	133	46.60	76	09	06	?	8	9	X	X	YSI

BOTTLE/CTD DATA SET NUMBER: 76-0004  
 YEAR:1976 VESSEL/AGENCY: FF SLANEY SLANEY CO. LTD.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	E10	69 56.00	134 25.00	76 04 14 ?	?	?	X	X	YSI
TUK. SHELF	H47	69 56.00	134 25.00	76 08 14 ?	12	12	X	X	YSI
TUK. SHELF	H47	69 56.00	134 25.00	76 08 15 ?	12	12	X	X	YSI
TUK. SHELF	G42	70 00.00	131 12.00	76 08 16 ?	11	11	X	X	YSI
TUK. SHELF	W15	70 00.00	131 12.00	76 08 16 ?	9	9	X	X	YSI
TUK. SHELF	NN	69 59.00	134 23.00	76 08 30 ?	?	?	X	X	YSI
MACKENZIE BAY	NNE	69 59.00	134 23.00	76 08 30 ?	?	?	X	X	YSI
MACKENZIE BAY	IGK	69 44.00	135 13.00	76 09 01 ?	?	?	X	X	YSI
MACKENZIE BAY	NPK	69 46.00	135 28.00	76 09 01 ?	?	?	X	X	YSI
MACKENZIE BAY	PKQ	69 39.00	136 25.00	76 09 02 ?	?	?	X	X	YSI
MACKENZIE BAY		69 47.00	136 45.00	76 09 03 ?	?	?	X	X	YSI
MACKENZIE BAY	MNK	69 43.00	136 28.00	76 09 05 ?	?	?	X	X	YSI
TUK. SHELF	ERN	69 49.00	133 03.00	76 09 07 ?	?	?	X	X	YSI
MACKENZIE BAY	KDK	69 49.00	136 10.00	76 09 07 ?	?	?	X	X	YSI

BOTTLE/CTD DATA SET NUMBER: 76-0020  
 YEAR:1976 VESSEL/AGENCY: SALVELINUS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE BAY	009	69 37.00	136 06.50	76 07 19 ?	6	?	X	X	BOTT
KUGMALL IT BAY	010	69 38.50	133 23.20	76 07 19 ?	6	?	X	X	BOTT
KUGMALL IT BAY	011	69 35.35	133 16.60	76 07 19 ?	5	?	X		BOTT
KUGMALL IT BAY	012	69 32.20	133 11.00	76 07 19 ?	5	?	X		BOTT
KUGMALL IT BAY	013	69 29.90	133 05.50	76 07 20 ?	5	?	X	X	BOTT
KUGMALL IT BAY	014	69 28.20	133 15.50	76 07 20 ?	3	?	X		BOTT
KUGMALL IT BAY	015	69 26.70	133 24.30	76 07 20 ?	3	?	X	X	BOTT
KUGMALL IT BAY	016	69 27.00	133 02.00	76 07 23 ?	12	?	X	X	BOTT
LIVERPOOL BAY	017	69 27.67	130 57.00	76 07 31 ?	24	?	X		BOTT
LIVERPOOL BAY	018	69 42.75	130 12.00	76 08 03 ?	12	?	X	X	BOTT
LIVERPOOL BAY	019	69 45.05	130 16.00	76 08 03 ?	14	?	X	X	BOTT
LIVERPOOL BAY	020	69 47.20	130 19.50	76 08 04 ?	11	?	X	X	BOTT
LIVERPOOL BAY	021	69 51.00	129 19.50	76 08 06 ?	15	?	X	X	BOTT
LIVERPOOL BAY	022	69 53.00	129 23.42	76 08 06 ?	18	?	X	X	BOTT
LIVERPOOL BAY	023	69 55.00	129 27.20	76 08 06 ?	16	?	X	X	BOTT
LIVERPOOL BAY	024	69 57.55	129 32.20	76 08 06 ?	14	?	X	X	BOTT
LIVERPOOL BAY	025	70 06.08	129 14.50	76 08 10 ?	9	?	X	X	BOTT
LIVERPOOL BAY	026	70 06.08	128 59.55	76 08 10 ?	14	?	X	X	BOTT
LIVERPOOL BAY	027	70 06.08	128 45.75	76 08 10 ?	11	?	X	X	BOTT
LIVERPOOL BAY	028	70 06.08	128 30.62	76 08 10 ?	9	?	X	X	BOTT
LIVERPOOL BAY	029	70 17.50	129 34.33	76 08 16 ?	5	?	X	X	BOTT
LIVERPOOL BAY	030	69 39.37	130 35.17	76 08 19 ?	7	?	X	X	BOTT
LIVERPOOL BAY	031	69 35.07	130 30.00	76 08 19 ?	6	?	X	X	BOTT
LIVERPOOL BAY	032	70 30.75	128 25.00	76 08 24 ?	15	?	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 76-0036  
 YEAR:1976 VESSEL/AGENCY: FF SLANEY SLANEY CO. LTD.

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
ESKIMO LAKES	HB	68 52.	133 26.	76 06 24 ?	2.0	7.5	X	X	YSI
ESKIMO LAKES	HB	68 52.	133 26.	76 07 01 ?	2.0	7.5	X	X	YSI
ESKIMO LAKES	HB	68 52.	133 26.	76 07 02 ?	2.0	7.5	X	X	YSI
ESKIMO LAKES	HB	68 52.	133 26.	76 07 19 ?	2.0	7.5	X	X	YSI
ESKIMO LAKES	HB	68 52.	133 26.	76 07 31 ?	2.0	7.5	X	X	YSI
ESKIMO LAKES	HB	68 52.	133 26.	76 08 10 ?	2.0	7.5	X	X	YSI
ESKIMO LAKES	HB	68 52.	133 26.	76 09 11 ?	2.0	7.5	X	X	YSI
ESKIMO LAKES	HB	68 52.	133 26.	76 09 19 ?	2.0	7.5	X	X	YSI

BOTTLE/CTD DATA SET NUMBER: 77-0001  
 YEAR:1977 VESSEL/AGENCY: FF SLANEY SLANEY CO. LTD.

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE BAY	1	68 42.90	135 26.30	77 07 04 ?	1	1	X	X	TC-2
MACKENZIE BAY	2	68 51.20	135 42.50	77 07 04 ?	4	4	X	X	TC-2
MACKENZIE BAY	3	68 56.10	136 17.90	77 07 04 ?	2	2	X	X	TC-2
MACKENZIE BAY	5	68 56.60	137 01.00	77 07 04 ?	2	2	X	X	TC-2
MACKENZIE BAY	6	69 04.50	136 19.00	77 07 04 ?	2	2	X	X	TC-2
MACKENZIE BAY	7	69 04.20	136 39.20	77 07 04 ?	1	1	X	X	TC-2
MACKENZIE BAY	9	69 02.90	137 28.30	77 07 04 ?	7	7	X	X	TC-2
MACKENZIE BAY	10	69 12.00	136 07.50	77 07 04 ?	1	1	X	X	TC-2
MACKENZIE BAY	11	69 11.70	136 40.20	77 07 04 ?	2	2	X	X	TC-2
MACKENZIE BAY	12	69 11.40	137 02.80	77 07 04 ?	4	4	X	X	TC-2
MACKENZIE BAY	13	69 11.00	137 30.00	77 07 04 ?	18	18	X	X	TC-2
MACKENZIE BAY	14	69 20.70	135 53.10	77 07 04 ?	1	1	X	X	TC-2
MACKENZIE BAY	16	69 20.10	136 41.50	77 07 04 ?	3	3	X	X	TC-2
MACKENZIE BAY	17	69 19.00	137 02.20	77 07 04 ?	7	7	X	X	TC-2
MACKENZIE BAY	18	69 17.90	137 31.30	77 07 04 ?	34	34	X	X	TC-2
MACKENZIE BAY	22	69 26.60	137 05.00	77 07 04 ?	16	16	X	X	TC-2
MACKENZIE BAY	23	69 26.00	137 32.50	77 07 04 ?	44	44	X	X	TC-2
MACKENZIE BAY	1	68 42.90	135 26.30	77 07 19 ?	0	1	X	X	TC-2
MACKENZIE BAY	2	68 51.20	135 42.50	77 07 19 ?	4	4	X	X	TC-2
MACKENZIE BAY	3	68 56.10	136 17.90	77 07 19 ?	0	2	X	X	TC-2
MACKENZIE BAY	4	68 55.70	136 38.80	77 07 19 ?	0	2	X	X	TC-2
MACKENZIE BAY	5	68 56.60	137 01.00	77 07 19 ?	0	2	X	X	TC-2
MACKENZIE BAY	6	69 04.50	136 19.00	77 07 19 ?	0	2	X	X	TC-2
MACKENZIE BAY	7	69 04.20	136 39.20	77 07 19 ?	0	1	X	X	TC-2
MACKENZIE BAY	8	69 04.00	136 01.10	77 07 19 ?	0	2	X	X	TC-2
MACKENZIE BAY	9	69 02.90	137 28.30	77 07 19 ?	0	7	X	X	TC-2
MACKENZIE BAY	10	69 12.00	136 07.50	77 07 19 ?	0	1	X	X	TC-2
MACKENZIE BAY	11	69 11.70	136 40.20	77 07 19 ?	0	2	X	X	TC-2
MACKENZIE BAY	12	69 11.40	137 02.80	77 07 19 ?	0	4	X	X	TC-2
MACKENZIE BAY	13	69 11.00	137 30.00	77 07 19 ?	0	18	X	X	TC-2
MACKENZIE BAY	14	69 20.70	135 53.10	77 07 19 ?	0	1	X	X	TC-2
MACKENZIE BAY	15	69 20.50	136 10.00	77 07 19 ?	0	1	X	X	TC-2
MACKENZIE BAY	16	69 20.10	136 41.50	77 07 19 ?	0	3	X	X	TC-2
MACKENZIE BAY	17	69 19.00	137 02.20	77 07 19 ?	0	7	X	X	TC-2
MACKENZIE BAY	18	69 17.90	137 31.30	77 07 19 ?	34	34	X	X	TC-2
MACKENZIE BAY	19	69 27.30	135 47.10	77 07 19 ?	0	2	X	X	TC-2
MACKENZIE BAY	20	69 26.90	136 12.20	77 07 19 ?	0	3	X	X	TC-2
MACKENZIE BAY	21	69 26.80	136 42.00	77 07 19 ?	0	6	X	X	TC-2
MACKENZIE BAY	22	69 26.60	137 05.00	77 07 19 ?	0	16	X	X	TC-2
MACKENZIE BAY	23	69 26.00	137 32.50	77 07 19 ?	44	44	X	X	TC-2
MACKENZIE BAY	24	69 33.20	137 33.40	77 07 19 ?	11	11	X	X	TC-2
MACKENZIE BAY	25	69 33.60	136 42.00	77 07 19 ?	52	52	X	X	TC-2
MACKENZIE BAY	26	69 32.60	135 40.80	77 07 19 ?	0	1	X	X	TC-2
MACKENZIE BAY	1	68 42.90	135 25.30	77 07 25 ?	1	1	X	X	TC-2
MACKENZIE BAY	2	68 51.20	135 42.50	77 07 25 ?	4	4	X	X	TC-2
MACKENZIE BAY	3	68 56.10	136 17.90	77 07 25 ?	2	2	X	X	TC-2
MACKENZIE BAY	4	68 55.70	136 38.80	77 07 25 ?	0	2	X	X	TC-2
MACKENZIE BAY	5	68 56.60	137 01.00	77 07 25 ?	0	2	X	X	TC-2

MACKENZIE BAY	6	69	04.50	136	19.00	77	07	25	?	0	2	X	X	TC-2
MACKENZIE BAY	7	69	04.20	136	39.20	77	07	25	?	0	1	X	X	TC-2
MACKENZIE BAY	8	69	04.00	136	01.10	77	07	25	?	0	2	X	X	TC-2
MACKENZIE BAY	9	69	02.90	137	28.30	77	07	25	?	7	7	X	X	TC-2
MACKENZIE BAY	10	69	12.00	136	07.50	77	07	25	?	1	1	X	X	TC-2
MACKENZIE BAY	11	69	11.70	136	40.20	77	07	25	?	0	2	X	X	TC-2
MACKENZIE BAY	12	69	11.40	137	02.80	77	07	25	?	0	4	X	X	TC-2
MACKENZIE BAY	13	69	11.00	137	30.00	77	07	25	?	0	18	X	X	TC-2
MACKENZIE BAY	14	69	20.70	135	53.10	77	07	25	?	1	1	X	X	TC-2
MACKENZIE BAY	15	69	20.50	136	10.00	77	07	25	?	1	1	X	X	TC-2
MACKENZIE BAY	16	69	20.10	136	41.50	77	07	25	?	0	3	X	X	TC-2
MACKENZIE BAY	17	69	19.00	137	02.20	77	07	25	?	7	7	X	X	TC-2
MACKENZIE BAY	18	69	17.90	137	31.30	77	07	25	?	34	34	X	X	TC-2
MACKENZIE BAY	19	69	27.30	135	47.10	77	07	25	?	2	2	X	X	TC-2
MACKENZIE BAY	20	69	26.90	136	12.20	77	07	25	?	3	3	X	X	TC-2
MACKENZIE BAY	21	69	26.80	136	42.00	77	07	25	?	6	6	X	X	TC-2
MACKENZIE BAY	22	69	26.60	137	05.00	77	07	25	?	16	16	X	X	TC-2
MACKENZIE BAY	23	69	26.00	137	32.50	77	07	25	?	44	44	X	X	TC-2
MACKENZIE BAY	24	69	33.20	137	33.40	77	07	25	?	0	11	X	X	TC-2
MACKENZIE BAY	25	69	33.60	136	42.00	77	07	25	?	52	52	X	X	TC-2
MACKENZIE BAY	26	69	32.60	135	40.80	77	07	25	?	1	1	X	X	TC-2
MACKENZIE BAY	1	68	42.90	135	25.30	77	08	04	?	4	1	X	X	TC-2
MACKENZIE BAY	2	68	51.20	135	42.50	77	08	04	?	4	4	X	X	TC-2
MACKENZIE BAY	3	68	56.10	136	17.90	77	08	04	?	2	2	X	X	TC-2
MACKENZIE BAY	4	68	55.70	136	38.80	77	08	04	?	0	2	X	X	TC-2
MACKENZIE BAY	5	68	56.60	137	01.00	77	08	04	?	0	2	X	X	TC-2
MACKENZIE BAY	6	69	04.50	136	19.00	77	08	04	?	0	2	X	X	TC-2
MACKENZIE BAY	7	69	04.20	136	39.20	77	08	04	?	0	1	X	X	TC-2
MACKENZIE BAY	8	69	04.00	136	01.10	77	08	04	?	0	2	X	X	TC-2
MACKENZIE BAY	9	69	02.90	137	28.30	77	08	04	?	0	7	X	X	TC-2
MACKENZIE BAY	10	69	12.00	136	07.50	77	08	04	?	0	1	X	X	TC-2
MACKENZIE BAY	11	69	11.70	136	40.20	77	08	04	?	0	2	X	X	TC-2
MACKENZIE BAY	12	69	11.40	137	02.80	77	08	04	?	0	4	X	X	TC-2
MACKENZIE BAY	13	69	11.00	137	30.00	77	08	04	?	0	18	X	X	TC-2
MACKENZIE BAY	14	69	20.70	135	53.10	77	08	04	?	0	1	X	X	TC-2
MACKENZIE BAY	15	69	20.50	136	10.00	77	08	04	?	0	1	X	X	TC-2
MACKENZIE BAY	16	69	20.10	136	41.50	77	08	04	?	0	3	X	X	TC-2
MACKENZIE BAY	17	69	19.00	137	02.20	77	08	04	?	0	7	X	X	TC-2
MACKENZIE BAY	18	69	17.90	137	31.30	77	08	04	?	0	34	X	X	TC-2
MACKENZIE BAY	19	69	27.30	135	47.10	77	08	04	?	0	2	X	X	TC-2
MACKENZIE BAY	20	69	26.90	136	12.20	77	08	04	?	0	3	X	X	TC-2
MACKENZIE BAY	21	69	26.80	136	42.00	77	08	04	?	0	6	X	X	TC-2
MACKENZIE BAY	22	69	26.60	137	05.00	77	08	04	?	0	16	X	X	TC-2
MACKENZIE BAY	23	69	26.00	137	32.50	77	08	04	?	0	44	X	X	TC-2
MACKENZIE BAY	25	69	33.60	136	42.00	77	08	04	?	0	52	X	X	TC-2
MACKENZIE BAY	26	69	32.60	135	40.80	77	08	04	?	0	1	X	X	TC-2
MACKENZIE BAY	1	68	42.90	135	25.30	77	08	11	?	0	1	X	X	TC-2
MACKENZIE BAY	2	68	51.20	135	42.50	77	08	11	?	0	4	X	X	TC-2
MACKENZIE BAY	3	68	56.10	136	17.90	77	08	11	?	0	2	X	X	TC-2
MACKENZIE BAY	4	68	55.70	136	38.80	77	08	11	?	0	2	X	X	TC-2
MACKENZIE BAY	5	68	56.60	137	01.00	77	08	11	?	0	2	X	X	TC-2
MACKENZIE BAY	6	69	04.50	136	19.00	77	08	11	?	0	2	X	X	TC-2
MACKENZIE BAY	7	69	04.20	136	39.20	77	08	11	?	0	1	X	X	TC-2
MACKENZIE BAY	8	69	04.00	136	01.10	77	08	11	?	0	2	X	X	TC-2
MACKENZIE BAY	9	69	02.90	137	28.30	77	08	11	?	0	7	X	X	TC-2
MACKENZIE BAY	10	69	12.00	136	07.50	77	08	11	?	0	1	X	X	TC-2
MACKENZIE BAY	11	69	11.70	136	40.20	77	08	11	?	0	2	X	X	TC-2
MACKENZIE BAY	12	69	11.40	137	02.80	77	08	11	?	0	4	X	X	TC-2
MACKENZIE BAY	13	69	11.00	137	30.00	77	08	11	?	0	18	X	X	TC-2
MACKENZIE BAY	14	69	20.70	135	53.10	77	08	11	?	0	1	X	X	TC-2
MACKENZIE BAY	15	69	20.50	136	10.00	77	08	11	?	0	1	X	X	TC-2
MACKENZIE BAY	16	69	20.10	136	41.50	77	08	11	?	0	3	X	X	TC-2
MACKENZIE BAY	17	69	19.00	137	02.20	77	08	11	?	0	7	X	X	TC-2
MACKENZIE BAY	18	69	17.90	137	31.30	77	08	11	?	0	34	X	X	TC-2

BOTTLE/CTD DATA SET NUMBER: 77-0002  
YEAR:1977 VESSEL/AGENCY: AQ. ENV. LTD.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	6	69 43.20	132 33.70	77 07 16 ?	0	?	X	X	BOTT
TUK. SHELF	8	69 42.10	132 34.80	77 07 16 ?	0	?	X	X	BOTT
TUK. SHELF	5	69 43.30	132 36.50	77 07 17 ?	0	?	X	X	BOTT
TUK. SHELF	7	69 43.10	132 38.20	77 07 17 ?	0	?	X	X	BOTT

TUK. SHELF	9	69	39.00	132	40.50	77	07	18	?	0	?	X	X	BOTT
TUK. SHELF	10	69	38.90	132	37.40	77	07	18	?	0	?	X	X	BOTT
TUK. SHELF	11	69	40.00	132	28.40	77	07	19	?	0	?	X	X	BOTT
TUK. SHELF	12	69	39.20	132	27.60	77	07	19	?	0	?	X	X	BOTT
TUK. SHELF	3	69	44.50	132	21.10	77	07	21	?	0	?	X	X	BOTT
TUK. SHELF	4	69	46.30	132	14.00	77	07	21	?	0	?	X	X	BOTT
TUK. SHELF	2	69	42.00	132	16.20	77	07	22	?	0	?	X	X	BOTT
TUK. SHELF	1	69	44.30	132	30.60	77	07	23	?	0	?	X	X	BOTT
TUK. SHELF	5	69	43.30	132	36.50	77	08	27	?	0	?	X	X	BOTT
TUK. SHELF	7	69	43.10	132	38.20	77	08	27	?	0	?	X	X	BOTT
TUK. SHELF	6	69	43.20	132	33.70	77	08	28	?	0	?	X	X	BOTT
TUK. SHELF	8	69	42.10	132	34.80	77	08	28	?	0	?	X	X	BOTT
TUK. SHELF	1	69	44.30	132	30.60	77	08	30	?	0	?	X	X	BOTT
TUK. SHELF	2	69	42.00	132	16.20	77	08	30	?	0	?	X	X	BOTT
TUK. SHELF	3	69	44.50	132	21.10	77	08	30	?	0	?	X	X	BOTT
TUK. SHELF	4	69	46.30	132	14.00	77	08	30	?	0	?	X	X	BOTT
TUK. SHELF	9	69	39.00	132	40.50	77	08	31	?	0	?	X	X	BOTT
TUK. SHELF	10	69	38.90	132	37.40	77	08	31	?	0	?	X	X	BOTT
TUK. SHELF	11	69	40.00	132	28.40	77	09	02	?	0	?	X	X	BOTT
TUK. SHELF	12	69	39.20	132	27.60	77	09	02	?	0	?	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 77-0003  
 YEAR:1977 VESSEL/AGENCY: PANDORA II,IOS

AREA	STN	LAT DEG MIN	Lon DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
AMUNDSEN GULF	14	71 14.10	124 32.50	77 08 11 15	300	330	X	X	BOTT
AMUNDSEN GULF	15	71 02.70	124 44.80	77 08 11 10	330	345	X	X	BOTT
AMUNDSEN GULF	16	70 48.40	125 02.60	77 08 11 06	300	310	X	X	BOTT
AMUNDSEN GULF	17	70 35.50	125 15.90	77 08 11 02	240	250	X	X	BOTT
AMUNDSEN GULF	19	70 16.50	126 59.70	77 08 14 08	100	120	X	X	BOTT
AMUNDSEN GULF	20	70 36.50	126 37.40	77 08 14 12	300	346	X	X	BOTT
AMUNDSEN GULF	21	70 55.30	126 27.50	77 08 14 16	320	343	X	X	BOTT
AMUNDSEN GULF	22	71 17.20	126 25.70	77 08 14 22	450	460	X	X	BOTT
AMUNDSEN GULF	23	71 37.40	126 28.90	77 08 15 02	450	470	X	X	BOTT
AMUNDSEN GULF	24	70 36.00	121 46.90	77 08 21 13	500	538	X	X	BOTT
AMUNDSEN GULF	25	70 12.40	121 19.10	77 08 21 19	370	398	X	X	BOTT
AMUNDSEN GULF	26	69 59.50	121 09.20	77 08 21 23	350	370	X	X	BOTT
AMUNDSEN GULF	27	70 34.30	119 19.00	77 08 29 16	320	337	X	X	BOTT
AMUNDSEN GULF	28	71 01.70	119 12.00	77 08 29 22	150	168	X	X	BOTT
AMUNDSEN GULF	29	71 22.40	119 04.30	77 08 30 02	100	120	X	X	BOTT
AMUNDSEN GULF	30	70 34.50	120 26.00	77 09 06 17	300	321	X	X	BOTT
AMUNDSEN GULF	31	70 49.10	120 34.20	77 09 06 20	250	270	X	X	BOTT
AMUNDSEN GULF	32	71 01.80	120 40.60	77 09 06 23	170	188	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 77-0004  
 YEAR:1977 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	Lon DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	6	69 45.40	139 44.60	77 10 06 ?	30	34	X	X	BOTT
TUK. SHELF	6	69 45.40	139 44.60	77 10 06 ?	30	34	X	X	BOTT
TUK. SHELF	6	69 45.40	139 44.60	77 10 08 ?	30	34	X	X	BOTT
TUK. SHELF	6	69 45.40	139 44.60	77 10 09 ?	20	34	X	X	BOTT
TUK. SHELF	6	69 45.40	139 44.60	77 10 10 ?	30	34	X	X	BOTT
TUK. SHELF	6	69 45.40	139 44.60	77 10 11 ?	30	34	X	X	BOTT
TUK. SHELF	6	69 45.40	139 44.60	77 10 12 ?	30	34	X	X	BOTT
TUK. SHELF	6	69 45.40	139 44.60	77 10 13 ?	30	34	X	X	BOTT
TUK. SHELF	6	69 45.40	139 44.60	77 10 14 ?	30	34	X	X	BOTT
TUK. SHELF	6	69 45.40	139 44.60	77 10 15 ?	30	34	X	X	BOTT
TUK. SHELF	6	69 45.40	139 44.60	77 10 17 ?	0	34	X	X	BOTT
TUK. SHELF	6	69 45.40	139 44.60	77 10 18 ?	30	34	X	X	BOTT
TUK. SHELF	3	70 09.10	132 44.10	77 07 21 ?	30	30	X	X	BOTT
TUK. SHELF	3	70 09.10	132 44.10	77 07 22 ?	30	30	X	X	BOTT
TUK. SHELF	3	70 09.10	132 44.10	77 07 23 ?	30	30	X	X	BOTT

[illegible]

[illegible]



[illegible]

BOTTLE/CTD DATA SET NUMBER: 77-0009  
 YEAR:1977 VESSEL/AGENCY: ENVIROCON

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	1123	69 56.00	133 18.50	77 07 26 17	12	13	X	X YSI	
TUK. SHELF	1124	69 54.80	133 09.70	77 07 27 15	12	12	X	X YSI	
TUK. SHELF	1122	69 56.30	133 20.70	77 07 27 19	12	12	X	X YSI	
TUK. SHELF	0223	69 57.40	133 20.20	77 07 27 21	12	12	X	X YSI	
TUK. SHELF	2923	69 56.80	133 24.30	77 07 28 ?	12	13	X	X YSI	
TUK. SHELF	1121	69 56.30	133 21.00	77 07 28 12	12	12	X	X YSI	
TUK. SHELF	0221	69 56.60	133 21.20	77 07 28 14	12	12	X	X YSI	
TUK. SHELF	2023	69 55.40	133 22.60	77 07 28 18	12	12	X	X YSI	
TUK. SHELF	2923	69 56.80	133 24.30	77 07 29 14	12	13	X	X YSI	
TUK. SHELF	2024	69 52.40	133 26.10	77 07 30 10	10	10	X	X YSI	
TUK. SHELF	2022	69 56.20	133 21.70	77 07 30 13	12	12	X	X YSI	
TUK. SHELF	2924	69 58.00	133 33.10	77 07 30 15	13	14	X	X YSI	
TUK. SHELF	2922	69 56.50	133 22.10	77 07 30 21	12	12	X	X YSI	
TUK. SHELF	2921	69 56.50	133 21.80	77 07 30 23	12	13	X	X YSI	
TUK. SHELF	0222	69 56.60	133 21.10	77 07 31 08	12	13	X	X YSI	
TUK. SHELF	0224	70 00.40	133 16.70	77 07 31 12	14	16	X	X YSI	
TUK. SHELF	2021	69 56.30	133 21.60	77 07 31 13	12	12	X	X YSI	
TUK. SHELF	2021	69 56.30	133 21.60	77 08 25 14	12	12	X	X YSI	
TUK. SHELF	0221	69 56.60	133 21.20	77 08 25 17	12	12	X	X YSI	
TUK. SHELF	1123	69 56.00	133 18.50	77 08 26 10	12	13	X	X YSI	
TUK. SHELF	2923	69 56.80	133 24.30	77 08 26 11	12	13	X	X YSI	
TUK. SHELF	2922	69 56.50	133 22.10	77 08 26 15	12	12	X	X YSI	
TUK. SHELF	2024	69 52.40	133 26.10	77 08 26 16	10	10	X	X YSI	
TUK. SHELF	2924	69 58.00	133 33.10	77 08 28 21	13	14	X	X YSI	
TUK. SHELF	1122	69 56.30	133 20.70	77 08 29 07	12	12	X	X YSI	
TUK. SHELF	0222	69 56.60	133 21.10	77 08 29 08	12	13	X	X YSI	
TUK. SHELF	1124	69 54.80	133 09.70	77 08 29 14	12	12	X	X YSI	
TUK. SHELF	0223	69 57.40	133 20.20	77 08 29 15	12	12	X	X YSI	
TUK. SHELF	1121	69 56.30	133 21.00	77 08 29 16	12	12	X	X YSI	
TUK. SHELF	0224	70 00.40	133 16.70	77 08 29 16	14	16	X	X YSI	
TUK. SHELF	2023	69 55.40	133 22.60	77 08 29 19	12	12	X	X YSI	
TUK. SHELF	2022	69 56.20	133 21.70	77 08 29 21	12	12	X	X YSI	

BOTTLE/CTD DATA SET NUMBER: 77-0010  
 YEAR:1977 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF		70 14.0	132 50.0	77 09 ? ?	?	?	X	BOTT	
TUK. SHELF		70 10.0	132 30.0	77 09 ? ?	?	?	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 77-0035  
 YEAR:1977 VESSEL/AGENCY: SALVELINUS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
LIVERPOOL BAY	002	70 21.00	128 02.00	77 07 21 ?	0	?	X	BOTT	
LIVERPOOL BAY	002	70 21.00	128 02.00	77 07 22 ?	3	?	X	X BOTT	
LIVERPOOL BAY	003	70 19.70	128 08.00	77 07 22 ?	5	?	X	X BOTT	
LIVERPOOL BAY	004	70 18.80	128 16.70	77 07 22 ?	6	?	X	X BOTT	
LIVERPOOL BAY	005	70 19.30	128 29.50	77 07 22 ?	9	?	X	X BOTT	
LIVERPOOL BAY	007	69 26.50	130 55.50	77 07 26 ?	0	?	X	X BOTT	
LIVERPOOL BAY	008	69 47.80	130 21.80	77 07 26 ?	4	?	X	X BOTT	

LIVERPOOL BAY	010	69	45.10	130	15.00	77	07	26	?	6	?	X	X	BOTT
LIVERPOOL BAY	011	69	42.20	130	11.80	77	07	26	?	5	?	X	X	BOTT
LIVERPOOL BAY	012	69	56.50	128	53.90	77	07	27	?	0	?	X	X	BOTT
LIVERPOOL BAY	013	69	55.10	128	36.20	77	07	27	?	5	?	X	X	BOTT
LIVERPOOL BAY	014	70	00.60	128	28.50	77	07	27	?	5	?	X	X	BOTT
AMUNDSEN GULF	016	70	37.70	127	20.00	77	07	28	?	240	?	X	X	BOTT
AMUNDSEN GULF	021	70	33.80	126	53.00	77	07	29	?	335	?	X	X	BOTT
LIVERPOOL BAY	102	70	21.90	128	12.50	77	07	31	?	4	?	X	X	BOTT
LIVERPOOL BAY	024	70	32.40	127	24.20	77	08	04	?	16	?	X	X	BOTT
LIVERPOOL BAY	030	70	29.50	128	16.50	77	08	05	?	6	?	X	X	BOTT
LIVERPOOL BAY	031	70	11.70	127	55.80	77	08	08	?	0	?	X	X	BOTT
LIVERPOOL BAY	032	69	59.70	129	26.70	77	08	08	?	7	?	X	X	BOTT
LIVERPOOL BAY	032	69	59.70	129	26.70	77	08	10	?	7	?	X	X	BOTT
LIVERPOOL BAY	115	69	48.80	130	20.20	77	08	09	?	0	?	X	X	BOTT
LIVERPOOL BAY	033	70	12.60	129	20.00	77	08	10	?	6	?	X	X	BOTT
TUK. SHELF	034	70	14.80	130	09.30	77	08	10	?	8	?	X	X	BOTT
TUK. SHELF	035	70	09.50	130	51.30	77	08	10	?	5	?	X	X	BOTT
TUK. SHELF	036	69	53.80	131	11.20	77	08	12	?	0	?	X	X	BOTT
TUK. SHELF	037	69	58.70	131	08.00	77	08	12	?	5	?	X	X	BOTT
TUK. SHELF	122	69	45.80	132	10.70	77	08	13	?	0	?	X	X	BOTT
TUK. SHELF	038	69	45.40	132	10.70	77	08	13	?	0	?	X	X	BOTT
TUK. SHELF	123	69	45.60	132	12.80	77	08	13	?	0	?	X	X	BOTT
TUK. SHELF	124	69	44.60	131	59.40	77	08	13	?	0	?	X	X	BOTT
TUK. SHELF	125	69	44.20	131	58.40	77	08	13	?	0	?	X	X	BOTT
TUK. SHELF	039	69	44.30	132	06.70	77	08	14	?	0	?	X	X	BOTT
TUK. SHELF	041	69	47.10	132	21.80	77	08	14	?	0	?	X	X	BOTT
TUK. SHELF	042	69	45.30	132	29.50	77	08	14	?	8	?	X	X	BOTT
TUK. SHELF	043	69	46.50	132	32.30	77	08	14	?	0	?	X	X	BOTT
TUK. SHELF	044	69	47.50	132	35.90	77	08	14	?	8	?	X	X	BOTT
TUK. SHELF	045	69	48.20	132	38.00	77	08	14	?	0	?	X	X	BOTT
TUK. SHELF	046	69	49.00	132	39.80	77	08	14	?	9	?	X	X	BOTT
TUK. SHELF	047	69	49.80	132	41.50	77	08	14	?	0	?	X	X	BOTT
TUK. SHELF	048	69	43.50	132	35.00	77	08	16	?	0	?	X	X	BOTT
KUGMALL IT BAY	049	69	31.90	133	01.10	77	08	20	?	4	?	X	X	BOTT
KUGMALL IT BAY	050	69	31.80	133	05.00	77	08	20	?	0	?	X	X	BOTT
KUGMALL IT BAY	051	69	31.70	133	11.00	77	08	20	?	4	?	X	X	BOTT
KUGMALL IT BAY	052	69	31.60	133	16.70	77	08	20	?	0	?	X	X	BOTT
KUGMALL IT BAY	053	69	31.20	133	22.50	77	08	20	?	3	?	X	X	BOTT
KUGMALL IT BAY	054	69	30.60	133	27.00	77	08	20	?	0	?	X	X	BOTT
KUGMALL IT BAY	127	69	35.80	133	01.60	77	08	21	?	0	?	X	X	BOTT
KUGMALL IT BAY	128	69	36.00	133	11.10	77	08	21	?	0	?	X	X	BOTT
KUGMALL IT BAY	129	69	36.00	133	20.40	77	08	21	?	0	?	X	X	BOTT
KUGMALL IT BAY	131	69	32.70	134	02.60	77	08	23	?	0	?	X	X	BOTT
KUGMALL IT BAY	132	69	32.00	134	00.30	77	08	23	?	0	?	X	X	BOTT
KUGMALL IT BAY	055	69	37.30	133	00.50	77	08	23	?	6	?	X	X	BOTT
KUGMALL IT BAY	056	69	37.30	133	09.00	77	08	23	?	0	?	X	X	BOTT
KUGMALL IT BAY	057	69	37.30	133	17.00	77	08	23	?	5	?	X	X	BOTT
KUGMALL IT BAY	058	69	37.30	133	25.70	77	08	23	?	0	?	X	X	BOTT
KUGMALL IT BAY	059	69	37.30	133	34.40	77	08	23	?	5	?	X	X	BOTT
KUGMALL IT BAY	060	69	37.30	133	46.00	77	08	23	?	0	?	X	X	BOTT
KUGMALL IT BAY	133	69	32.80	134	06.50	77	08	25	?	2	?	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 78-0001  
YEAR: 1978 VESSEL/AGENCY: CANMAR

AREA		STN	LAT		LON		DATE				CAST	WATER	PARAM			INSTR	INT NO
			DEG	MIN	DEG	MIN	YR	MO	DY	HR	TO	DEPTH	MEAS	C	S	T	HR
											(M)	(M)					
TUK.	SHELF		70	27.60	133	25.10	78	08	09	?	50	63	X			X	HYDR
TUK.	SHELF		70	27.60	133	25.10	78	08	09	?	50	63	X			X	HYDR
TUK.	SHELF	4	70	09.10	132	43.80	78	07	18	?	30	30	X			X	HYDR
TUK.	SHELF	4	70	09.10	132	43.80	78	07	22	?	30	30	X			X	HYDR
TUK.	SHELF	4	70	09.10	132	43.80	78	07	20	?	30	30	X			X	HYDR
TUK.	SHELF	4	70	09.10	132	43.80	78	07	26	?	30	30	X			X	HYDR
TUK.	SHELF	4	70	09.10	132	43.80	78	07	27	?	30	30	X			X	HYDR
TUK.	SHELF	4	70	09.10	132	43.80	78	07	27	?	30	30	X			X	HYDR
TUK.	SHELF	4	70	09.10	132	43.80	78	07	30	?	30	30	X			X	HYDR
TUK.	SHELF	4	70	09.10	132	43.80	78	07	31	?	30	30	X			X	HYDR
TUK.	SHELF	4	70	09.10	132	43.80	78	08	01	?	30	30	X			X	HYDR
TUK.	SHELF	4	70	09.10	132	43.80	78	08	03	?	30	30	X			X	HYDR
TUK.	SHELF	4	70	09.10	132	43.80	78	08	05	?	30	30	X			X	HYDR
TUK.	SHELF	4	70	09.10	132	43.80	78	08	10	?	30	30	X			X	HYDR
TUK.	SHELF	4	70	09.10	132	43.80	78	08	15	?	30	30	X			X	HYDR
TUK.	SHELF	4	70	09.10	132	43.80	78	08	17	?	30	30	X			X	HYDR
TUK.	SHELF	4	70	09.10	132	43.80	78	08	20	?	30	30	X			X	HYDR

TUK. SHELF	4	70	09.10	132	43.80	78	08	25	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	08	27	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	08	28	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	08	30	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	01	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	03	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	04	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	05	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	08	07	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	09	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	11	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	13	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	15	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	17	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	19	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	23	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	24	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	25	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	26	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	27	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	28	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	29	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	09	30	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	10	01	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	10	04	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	10	05	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	10	07	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	10	08	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	10	09	?	30	30	X	X	HYDR
TUK. SHELF	4	70	09.10	132	43.80	78	10	10	?	30	30	X	X	HYDR
HERSCHEL IS.	4	69	45.40	139	44.60	78	07	15	?	30	?	X	X	HYDR
HERSCHEL IS.	4	69	45.40	139	44.60	78	07	18	?	30	?	X	X	HYDR
HERSCHEL IS.	4	69	45.40	139	44.60	78	07	20	?	30	?	X	X	HYDR
HERSCHEL IS.	4	69	45.40	139	44.60	78	07	22	?	30	?	X	X	HYDR
HERSCHEL IS.	4	69	45.40	139	44.60	78	07	27	?	40	?	X	X	HYDR
HERSCHEL IS.	4	69	45.40	139	44.60	78	09	07	?	30	?	X	X	HYDR
HERSCHEL IS.	4	69	45.40	139	44.60	78	09	09	?	30	?	X	X	HYDR

TUK. SHELF	2	70	22.90	135	05.60	78	10	07	?	50	57	X	X	HYDR
TUK. SHELF	2	70	22.90	135	05.60	78	10	08	?	50	57	X	X	HYDR
TUK. SHELF	2	70	22.90	135	05.60	78	10	09	?	30	57	X	X	HYDR

BOTTLE/CTD DATA SET NUMBER: 78-0002  
 YEAR:1978 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	2NE	70 10.60	130 58.90	78 07 15 10	32	33	X	X	CT12
TUK. SHELF	0	70 10.60	130 58.90	78 07 15 11	29	31	X	X	CT12
TUK. SHELF	1NE	70 10.60	130 58.90	78 07 15 13	36	34	X	X	CT12
TUK. SHELF	3NE	70 10.60	130 58.90	78 07 15 22	32	33	X	X	CT12
TUK. SHELF	4NE	70 10.60	130 58.90	78 07 16 02	29	30	X	X	CT12
TUK. SHELF	4NW	70 10.60	130 58.90	78 07 16 02	20	30	X	X	CT12
TUK. SHELF	6SW	70 10.50	130 59.10	78 07 16 07	26	27	X	X	CT12
TUK. SHELF	5SW	70 10.60	130 59.00	78 07 16 10	26	27	X	X	CT12
TUK. SHELF	4SW	70 10.60	130 58.90	78 07 16 12	26	27	X	X	CT12
TUK. SHELF	3SW	70 10.60	130 58.90	78 07 16 15	31	?	X	X	CT12
TUK. SHELF	5SE	70 10.60	130 58.80	78 07 16 17	26	27	X	X	CT12
TUK. SHELF	2SW	70 10.60	130 58.90	78 07 16 18	34	34	X	X	CT12
TUK. SHELF	2SW	70 10.60	130 58.90	78 07 16 18	35	34	X	X	CT12
TUK. SHELF	5NE	70 10.60	130 58.90	78 07 16 22	26	27	X	X	CT12
TUK. SHELF	6NE	70 10.70	130 58.70	78 07 17 01	26	28	X	X	CT12
TUK. SHELF	4SE	70 10.60	130 58.90	78 07 17 07	26	27	X	X	CT12
TUK. SHELF	3SE	70 10.60	130 58.90	78 07 17 10	31	33	X	X	CT12
TUK. SHELF	2SE	70 10.60	130 58.90	78 07 17 13	32	31	X	X	CT12
TUK. SHELF	2NW	70 10.60	130 58.90	78 07 17 15	30	31	X	X	CT12
TUK. SHELF	2NW	70 10.60	130 58.90	78 07 17 15	31	31	X	X	CT12
TUK. SHELF	3NW	70 10.60	130 58.90	78 07 17 19	28	30	X	X	CT12
TUK. SHELF	4NW	70 10.60	130 58.90	78 07 17 21	26	29	X	X	CT12
TUK. SHELF	5NW	70 10.60	130 59.00	78 07 17 23	26	27	X	X	CT12
TUK. SHELF	1NW	70 10.60	130 58.90	78 07 18 04	30	34	X	X	CT12
TUK. SHELF	1NW	70 10.60	130 58.90	78 07 18 04	33	34	X	X	CT12
TUK. SHELF	8NE	70 12.10	130 54.40	78 07 18 11	29	30	X	X	CT12
TUK. SHELF	7SE	70 10.20	130 57.80	78 07 18 21	26	27	X	X	CT12
TUK. SHELF	1	70 23.40	135 49.90	78 07 19 ?	52	55	X	X	CT12
TUK. SHELF	2	70 23.40	135 49.90	78 07 19 ?	52	55	X	X	CT12
TUK. SHELF	3	70 23.40	135 49.90	78 07 19 22	50	55	X	X	CT12
TUK. SHELF	1	70 10.60	130 58.90	78 09 23 20	32	?	X	X	CT12
TUK. SHELF	2	70 10.60	130 58.90	78 09 24 00	32	?	X	X	CT12
TUK. SHELF	1	70 23.40	135 49.90	78 09 24 16	37	?	X	X	CT12

BOTTLE/CTD DATA SET NUMBER: 78-0018  
 YEAR:1978 VESSEL/AGENCY: SEAKEM

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE BAY	1	69 32.50	136 12.10	78 07 20 ?	18	20	X	X	CT12
MACKENZIE BAY	2	69 32.50	136 12.10	78 07 20 ?	18	20	X	X	CT12
MACKENZIE BAY	3	69 32.50	136 12.10	78 07 20 ?	18	20	X	X	CT12
MACKENZIE BAY	4	69 32.50	136 12.10	78 07 20 ?	18	20	X	X	CT12

BOTTLE/CTD DATA SET NUMBER: 78-0019  
YEAR:1978 VESSEL/AGENCY: SEAKEM

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR T	INT NO HR
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T		
TUK. SHELF	1	70	20.4	130	30.7	78	07	29	14	31	32	X		X	CT12	
TUK. SHELF	1	70	20.4	130	30.7	78	07	29	21	32	32	X		X	CT12	
TUK. SHELF	1	70	20.4	130	30.7	78	07	30	?	30	31	X		X	CT12	

BOTTLE/CTD DATA SET NUMBER: 78-0031  
YEAR:1978 VESSEL/AGENCY: DFO

AREA	STN	LAT		LON		DATE				CAST TO (M)	WATER DEPTH (M)	PARAM MEAS			INSTR T	INT NO HR
		DEG	MIN	DEG	MIN	YR	MO	DY	HR			C	S	T		
TUK.COASTLINE	1	69	23.	133	23.	78	06	26	?	0	?				CTD	
TUK.COASTLINE	2	69	23.	133	21.	78	06	26	?	0	?				CTD	
TUK.COASTLINE	3	69	23.	133	18.	78	06	26	?	0	?				CTD	
TUK.COASTLINE	4	69	23.	133	13.	78	06	26	?	0	?				CTD	
TUK.COASTLINE	5	69	23.	133	09.	78	06	26	?	0	?				CTD	
TUK.COASTLINE	17	69	41.	132	36.	78	06	28	?	0	?				CTD	
TUK.COASTLINE	20	69	44.	132	27.	78	06	28	?	0	?				CTD	
TUK.COASTLINE	26	69	50.	131	40.	78	06	28	?	0	?				CTD	
TUK.COASTLINE	31	69	53.5	131	12.	78	06	28	?	0	?				CTD	
TUK.COASTLINE	31A	69	53.5	131	07.	78	06	28	?	0	?				CTD	
TUK.COASTLINE	8	69	30.5	132	59.	78	06	29	?	0	2				CTD	
TUK.COASTLINE	10	69	37.	132	57.	78	06	29	?	0	2				CTD	
TUK.COASTLINE	13	69	38.	132	46.	78	06	29	?	0	1				CTD	
TUK.COASTLINE	14	69	37.5	132	43.	78	06	29	?	0	1				CTD	
TUK.COASTLINE	10	69	37.	132	57.	78	09	01	?	0	1				CTD	
TUK.COASTLINE	11	69	39.	132	52.	78	09	01	?	0	3				CTD	
TUK.COASTLINE	12	69	39.	132	50.	78	09	01	?	0	2				CTD	
TUK.COASTLINE	13	69	38.	132	46.	78	09	01	?	0	1				CTD	
TUK.COASTLINE	15	69	39.	132	40.	78	09	01	?	0	1				CTD	
TUK.COASTLINE	16	69	40.	132	38.	78	09	01	?	0	1				CTD	
TUK.COASTLINE	17	69	41.	132	36.	78	09	01	?	0	1				CTD	
TUK.COASTLINE	18	69	43.	132	34.	78	09	01	?	0	4				CTD	
TUK.COASTLINE	20	69	44.	132	27.	78	09	01	?	0	5				CTD	
TUK.COASTLINE	21	69	42.5	132	16.	78	09	02	?	0	1				CTD	
TUK.COASTLINE	22	69	41.5	132	10.	78	09	02	?	0	1				CTD	
TUK.COASTLINE	23	69	43.	132	00.	78	09	02	?	0	1				CTD	
TUK.COASTLINE	24	69	47.	131	53.	78	09	02	?	0	2				CTD	
TUK.COASTLINE	25	69	49.	131	46.	78	09	02	?	0	2				CTD	
TUK.COASTLINE	26	69	50.5	131	40.	78	09	02	?	0	1				CTD	
TUK.COASTLINE	27	69	52.	131	36.	78	09	02	?	0	1				CTD	
TUK.COASTLINE	28	69	53.5	131	27.	78	09	02	?	0	1				CTD	
TUK.COASTLINE	29	69	56.	131	26.	78	09	02	?	0	1				CTD	
TUK.COASTLINE	30	69	57.	131	24.	78	09	02	?	0	3				CTD	
TUK.COASTLINE	31	69	54.	131	12.5	78	09	03	?	0	3				CTD	
TUK.COASTLINE	31A	69	54.	131	07.	78	09	03	?	0	3				CTD	
TUK.COASTLINE	33	70	03.	131	00.	78	09	03	?	0	3				CTD	
TUK.COASTLINE	34	70	05.	130	56.	78	09	03	?	0	2				CTD	
TUK.COASTLINE	35	70	05.	130	48.	78	09	03	?	0	2				CTD	
TUK.COASTLINE	37	70	08.	130	38.	78	09	03	?	0	2				CTD	
TUK.COASTLINE	38	70	08.	130	28.	78	09	03	?	0	2				CTD	
TUK.COASTLINE	41	70	05.	130	12.5	78	09	03	?	0	2				CTD	
TUK.COASTLINE	43	70	05.	130	03.	78	09	03	?	0	2				CTD	
TUK.COASTLINE	45	70	05.	129	55.	78	09	03	?	0	2				CTD	
TUK.COASTLINE	1	69	23.	133	23.	78	09	04	?	0	1				CTD	
TUK.COASTLINE	2	69	23.	133	21.	78	09	04	?	0	1				CTD	
TUK.COASTLINE	3	69	23.	133	18.	78	09	04	?	0	1				CTD	
TUK.COASTLINE	4	69	23.	133	13.	78	09	04	?	0	1				CTD	
TUK.COASTLINE	5	69	23.	133	09.	78	09	04	?	0	1				CTD	
TUK.COASTLINE	7	69	27.5	133	00.	78	09	04	?	0	1				CTD	
TUK.COASTLINE	8	69	30.5	132	59.	78	09	04	?	0	3				CTD	
TUK.COASTLINE	9	69	34.5	133	00.	78	09	04	?	0	2				CTD	

BOTTLE/CTD DATA SET NUMBER: 79-0001  
 YEAR:1979 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
CANADA BASIN	12	70 25.00	139 00.00	79 11 24 22	405	?	X	X GLDL	
CANADA BASIN	10	73 01.00	134 52.00	79 11 25 22	408	?	X	X GLDL	
CANADA BASIN	4	71 50.00	137 15.00	79 11 26 19	408	?	X	X GLDL	
CANADA BASIN	11	71 00.00	136 30.00	79 11 26 20	407	?	X	X GLDL	
CANADA BASIN	1	70 50.00	131 00.00	79 11 27 03	47	?	X	X GLDL	
CANADA BASIN	8	71 25.00	133 30.00	79 11 27 04	412	?	X	X GLDL	
CANADA BASIN	2	72 54.00	128 53.00	79 11 27 21	411	?	X	X GLDL	
CANADA BASIN	3	72 10.00	132 30.00	79 11 28 20	407	?	X	X GLDL	
CANADA BASIN	6	71 07.00	126 41.00	79 11 29 05	288	?	X	X GLDL	
CANADA BASIN	7	72 00.00	127 20.00	79 11 29 07	372	?	X	X GLDL	
CANADA BASIN	9	71 37.00	130 22.00	79 11 29 08	408	?	X	X GLDL	
CANADA BASIN	5	70 08.00	135 38.00	79 11 30 00	44	?	X	X GLDL	
CANADA BASIN	3	72 14.00	132 45.00	79 11 30 21	414	?	X	X GLDL	

BOTTLE/CTD DATA SET NUMBER: 79-0003  
 YEAR:1979 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
HERSCHEL IS.	6	69 45.40	139 44.60	79 08 15 22	30	34	X	X 4021	
HERSCHEL IS.	6	69 45.40	139 44.60	79 08 17 22	30	34	X	X 4021	
HERSCHEL IS.	6	69 45.40	139 44.60	79 08 22 01	15	34	X	X 4021	
HERSCHEL IS.	6	69 45.40	139 44.60	79 08 23 23	30	34	X	X TC-2	
HERSCHEL IS.	6	69 45.40	139 44.60	79 08 23 23	15	34	X	X 4021	
HERSCHEL IS.	6	69 45.40	139 44.60	79 08 24 01	14	34	X	X 4021	
HERSCHEL IS.	6	69 45.40	139 44.60	79 08 24 01	30	34	X	X CT12	
HERSCHEL IS.	6	69 45.40	139 44.60	79 08 28 21	6	34	X	X TC-2	
HERSCHEL IS.	6	69 45.40	139 44.60	79 09 07 01	30	34	X	X TC-2	
HERSCHEL IS.	6	69 45.40	139 44.60	79 09 07 01	30	34	X	X CT12	
HERSCHEL IS.	6	69 45.40	139 44.60	79 09 08 16	30	34	X	X TC-2	
HERSCHEL IS.	6	69 45.40	139 44.60	79 09 08 16	15	34	X	X CT12	
HERSCHEL IS.	6	69 45.40	139 44.60	79 09 09 16	30	34	X	X TC-2	
HERSCHEL IS.	6	69 45.40	139 44.60	79 09 10 16	30	34	X	X CT12	
HERSCHEL IS.	6	69 45.40	139 44.60	79 09 16 16	30	34	X	X TC-2	
HERSCHEL IS.	6	69 45.40	139 44.60	79 09 17 22	30	34	X	X TC-2	
HERSCHEL IS.	6	69 45.40	139 44.60	79 09 18 21	30	34	X	X TC-2	
HERSCHEL IS.	6	69 45.40	139 44.60	79 09 19 19	30	34	X	X TC-2	
HERSCHEL IS.	6	69 45.40	139 44.60	79 09 21 18	30	34	X	X TC-2	
HERSCHEL IS.	6	69 45.40	139 44.60	79 09 22 16	20	34	X	X TC-2	
HERSCHEL IS.	6	69 45.40	139 44.60	79 09 25 18	30	34	X	X TC-2	
HERSCHEL IS.	6	69 45.40	139 44.60	79 09 27 20	30	34	X	X TC-2	
HERSCHEL IS.	6	69 45.40	139 44.60	79 10 02 20	30	34	X	X TC-2	
HERSCHEL IS.	6	69 45.40	139 44.60	79 10 06 20	20	34	X	X TC-2	
HERSCHEL IS.	6	69 45.40	139 44.60	79 10 06 23	30	34	X	X CT12	
HERSCHEL IS.	6	69 45.40	139 44.60	79 10 07 06	30	34	X	X TC-2	
HERSCHEL IS.	6	69 45.40	139 44.60	79 10 07 22	30	34	X	X CT12	
TUK. SHELF	10	69 54.20	136 20.30	79 07 14 19	22	34	X	X TC-2	
TUK. SHELF	10	69 54.20	136 20.30	79 07 14 21	22	34	X	X TC-2	
TUK. SHELF	10	69 54.20	136 20.30	79 07 17 21	22	34	X	X TC-2	
TUK. SHELF	10	69 54.20	136 20.30	79 07 19 19	22	23	X	X TC-2	
TUK. SHELF	10	69 54.20	136 20.30	79 07 21 17	22	23	X	X TC-2	
TUK. SHELF	10	69 54.20	136 20.30	79 07 23 19	22	23	X	X TC-2	
TUK. SHELF	10	69 54.20	136 20.30	79 07 26 19	22	23	X	X TC-2	
TUK. SHELF	10	69 54.20	136 20.30	79 07 28 19	20	23	X	X TC-2	
TUK. SHELF	10	69 54.20	136 20.30	79 07 30 19	22	23	X	X TC-2	
TUK. SHELF	10	69 54.20	136 20.30	79 08 01 22	20	23	X	X TC-2	
TUK. SHELF	10	69 54.20	136 20.30	79 08 02 22	22	23	X	X TC-2	
TUK. SHELF	10	69 54.20	136 20.30	79 08 03 19	22	23	X	X TC-2	
TUK. SHELF	10	69 54.20	136 20.30	79 08 05 19	20	23	X	X TC-2	
TUK. SHELF	10	69 54.20	136 20.30	79 08 07 19	22	23	X	X TC-2	
TUK. SHELF	10	69 54.20	136 20.30	79 08 09 19	22	23	X	X TC-2	
TUK. SHELF	10	69 54.20	136 20.30	79 08 11 19	20	23	X	X TC-2	

TUK.	SHELF	10	69	54.20	136	20.30	79	08	14	20	20	23	X	X	TC-2
TUK.	SHELF	10	69	54.20	136	20.30	79	08	17	14	22	23	X	X	TC-2
TUK.	SHELF	10	69	54.20	136	20.30	79	08	17	20	20	23	X	X	TC-2
TUK.	SHELF	10	69	54.20	136	20.30	79	08	19	16	22	23	X	X	TC-2
TUK.	SHELF	10	69	54.20	136	20.30	79	08	21	19	22	23	X	X	TC-2
TUK.	SHELF	10	69	54.20	136	20.30	79	08	23	18	22	23	X	X	TC-2
TUK.	SHELF	10	69	54.20	136	20.30	79	08	26	19	22	23	X	X	TC-2
TUK.	SHELF	10	69	54.20	136	20.30	79	08	28	19	20	23	X	X	TC-2
TUK.	SHELF	10	69	54.20	136	20.30	79	08	31	01	22	23	X	X	TC-2
TUK.	SHELF	10	69	54.20	136	20.30	79	08	31	23	22	23	X	X	CT12
TUK.	SHELF	10	69	54.20	136	20.30	79	09	01	00	15	23	X	X	CT12
TUK.	SHELF	10	69	54.20	136	20.30	79	09	01	01	21	23	X	X	CT12
TUK.	SHELF	10	69	54.20	136	20.30	79	09	03	01	21	23	X	X	CT12
TUK.	SHELF	10	69	54.20	136	20.30	79	09	03	01	22	23	X	X	TC-2
TUK.	SHELF	10	69	54.20	136	20.30	79	09	04	19	20	23	X	X	CT12
TUK.	SHELF	10	69	54.20	136	20.30	79	09	04	19	20	23	X	X	TC-2
TUK.	SHELF	10	69	54.20	136	20.30	79	09	12	19	22	23	X	X	TC-2
TUK.	SHELF	10	69	54.20	136	20.30	79	09	13	20	20	23	X	X	TC-2
TUK.	SHELF	10	69	54.20	136	20.30	79	09	15	20	20	23	X	X	TC-2
TUK.	SHELF	10	69	54.20	136	20.30	79	09	16	20	22	23	X	X	TC-2
TUK.	SHELF	10	69	54.20	136	20.30	79	09	17	20	22	23	X	X	TC-2
TUK.	SHELF	10	69	54.20	136	20.30	79	09	18	20	22	23	X	X	TC-2
TUK.	SHELF	10	69	54.20	136	20.30	79	09	21	21	20	23	X	X	4021
TUK.	SHELF	10	69	54.20	136	20.30	79	09	22	20	20	23	X	X	4021
TUK.	SHELF	10	69	54.20	136	20.30	79	09	23	22	22	23	X	X	4021
TUK.	SHELF	10	69	54.20	136	20.30	79	09	24	21	22	23	X	X	4021
TUK.	SHELF	10	69	54.20	136	20.30	79	09	26	07	22	23	X	X	4021
TUK.	SHELF	10	69	54.20	136	20.30	79	09	26	21	22	23	X	X	4021
TUK.	SHELF	10	69	54.20	136	20.30	79	09	27	22	20	23	X	X	4021
TUK.	SHELF	10	69	54.20	136	20.30	79	09	28	20	22	23	X	X	4021
TUK.	SHELF	10	69	54.20	136	20.30	79	09	29	20	22	23	X	X	4021
TUK.	SHELF	10	69	54.20	136	20.30	79	09	30	20	20	23	X	X	4021
TUK.	SHELF	10	69	54.20	136	20.30	79	10	01	22	20	23	X	X	4021
TUK.	SHELF	10	69	54.20	136	20.30	79	10	02	22	22	23	X	X	4021



TUK.	SHELF	9	70	43.61	133	58.12	79	09	26	21	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	09	27	20	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	09	28	19	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	09	29	19	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	09	30	20	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	10	01	20	30	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	10	02	20	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	10	03	20	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	10	04	20	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	10	05	20	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	10	06	20	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	10	07	20	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	10	08	20	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	10	10	21	20	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	10	11	20	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	10	12	20	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	10	13	20	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	10	14	21	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	10	15	20	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	10	16	20	50	55	X	X	TC-2
TUK.	SHELF	9	70	43.61	133	58.12	79	10	20	20	50	55	X	X	TC-2
TUK.	SHELF	13	70	27.60	133	25.10	79	07	17	03	50	52	X	X	TC-2
TUK.	SHELF	13	70	27.60	133	25.10	79	07	18	14	50	52	X	X	TC-2
TUK.	SHELF	13	70	27.60	133	25.10	79	07	20	20	50	52	X	X	TC-2
TUK.	SHELF	13	70	27.60	133	25.10	79	07	25	21	50	52	X	X	TC-2
TUK.	SHELF	13	70	27.60	133	25.10	79	07	28	21	50	52	X	X	TC-2
TUK.	SHELF	13	70	27.60	133	25.10	79	08	02	20	50	52	X	X	TC-2
TUK.	SHELF	13	70	27.60	133	25.10	79	08	04	20	50	52	X	X	TC-2
TUK.	SHELF	13	70	27.60	133	25.10	79	08	05	20	50	52	X	X	TC-2
TUK.	SHELF	13	70	27.60	133	25.10	79	08	08	20	50	52	X	X	TC-2
TUK.	SHELF	13	70	27.60	133	25.10	79	08	12	20	50	52	X	X	TC-2
TUK.	SHELF	13	70	27.60	133	25.10	79	08	15	22	30	52	X	X	TC-2
TUK.	SHELF	13	70	27.60	133	25.10	79	08	18	18	50	52	X	X	TC-2
TUK.	SHELF	13	70	27.60	133	25.10	79	08	20	21	20	52	X	X	TC-2
TUK.	SHELF	13	70												

BOTTLE/CTD DATA SET NUMBER: 79-0005  
 YEAR:1979 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
AMUNDSEN GULF	1	70 06.50	125 02.00	79 05 21 ?	14	?	X	X	CT12
AMUNDSEN GULF	2	70 06.30	125 02.50	79 05 22 ?	14	?	X	X	CT12
AMUNDSEN GULF	3	70 06.70	125 04.10	79 05 23 ?	14	?	X	X	CT12
AMUNDSEN GULF	4	70 07.10	125 04.20	79 05 24 ?	15	?	X	X	CT12
AMUNDSEN GULF	5	70 04.50	125 00.00	79 05 24 ?	14	?	X	X	CT12
AMUNDSEN GULF	6	70 06.00	124 59.00	79 05 24 ?	25	?	X	X	CT12
AMUNDSEN GULF	1	70 05.20	125 01.20	79 06 18 ?	41	?	X	X	CT12
AMUNDSEN GULF	2	70 06.60	125 02.50	79 06 18 ?	15	?	X	X	CT12
AMUNDSEN GULF	3	70 07.00	125 03.00	79 06 18 ?	14	?	X	X	CT12
AMUNDSEN GULF	4	70 05.90	125 01.50	79 06 19 ?	29	?	X	X	CT12
AMUNDSEN GULF	5	70 06.40	124 58.40	79 06 19 ?	37	?	X	X	CT12
AMUNDSEN GULF	6	70 09.10	124 53.20	79 06 19 ?	18	?	X	X	CT12
AMUNDSEN GULF	1	70 06.70	125 03.50	79 09 19 ?	13	?	X	X	CT12
AMUNDSEN GULF	2	70 06.60	125 02.20	79 09 19 ?	11	?	X	X	CT12
AMUNDSEN GULF	3	70 06.00	125 00.50	79 09 19 ?	25	?	X	X	CT12
AMUNDSEN GULF	4	70 05.40	125 00.70	79 09 19 ?	22	?	X	X	CT12
AMUNDSEN GULF	5	70 06.40	124 57.60	79 09 19 ?	23	?	X	X	CT12
AMUNDSEN GULF	6	70 07.30	124 55.70	79 09 19 ?	22	?	X	X	CT12
AMUNDSEN GULF	7	70 08.60	124 54.00	79 09 19 ?	22	?	X	X	CT12

BOTTLE/CTD DATA SET NUMBER: 79-0007  
 YEAR:1979 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	1	70 46.20	129 21.40	79 07 22 08	25	25	X	X	CT12

BOTTLE/CTD DATA SET NUMBER: 79-0009  
 YEAR:1979 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF		70 30.0	133 30.0	79 09 09 04	50	?			CT12
TUK. SHELF		70 30.0	133 30.0	79 09 09 21	48	?			CT12

BOTTLE/CTD DATA SET NUMBER: 79-0010  
 YEAR:1979 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MCKINLEY BAY	1	69 58.60	131 07.50	79 09 25 ?	4	?	X	X	CT12
MCKINLEY BAY	2	69 58.60	131 07.50	79 09 25 ?	6	?	X	X	CT12
MCKINLEY BAY	3	69 58.60	131 07.50	79 09 25 ?	6	?	X	X	CT12
MCKINLEY BAY	4	69 58.60	131 07.50	79 09 25 ?	6	?	X	X	CT12

MCKINLEY BAY	5	69	58.60	131	07.50	79	09	25	?	6	?	X	X	CT12
MCKINLEY BAY	6	69	58.60	131	07.50	79	09	25	?	6	?	X	X	CT12
MCKINLEY BAY	7	69	58.60	131	07.50	79	09	25	?	8	?	X	X	CT12
MCKINLEY BAY	8	69	58.60	131	07.50	79	09	25	?	11	?	X	X	CT12
MCKINLEY BAY	9	69	58.60	131	07.50	79	09	25	?	6	?	X	X	CT12
MCKINLEY BAY	10	69	58.60	131	07.50	79	09	25	?	7	?	X	X	CT12
MCKINLEY BAY	11	69	58.60	131	07.50	79	09	25	?	6	?	X	X	CT12
MCKINLEY BAY	12	69	58.60	131	07.50	79	09	25	?	7	?	X	X	CT12
MCKINLEY BAY	13	69	58.60	131	07.50	79	09	25	?	8	?	X	X	CT12
MCKINLEY BAY	14	69	58.60	131	07.50	79	09	25	?	8	?	X	X	CT12
MCKINLEY BAY	15	69	58.60	131	07.50	79	09	25	?	7	?	X	X	CT12
MCKINLEY BAY	16	69	56.80	131	07.50	79	09	25	?	7	?	X	X	CT12
MCKINLEY BAY	17	69	56.80	131	07.50	79	09	25	?	8	?	X	X	CT12
MCKINLEY BAY	18	69	56.80	131	07.50	79	09	25	?	8	?	X	X	CT12
MCKINLEY BAY	19	69	56.80	131	07.50	79	09	25	?	8	?	X	X	CT12
MCKINLEY BAY	20	69	56.80	131	07.50	79	09	25	?	6	?	X	X	CT12
MCKINLEY BAY	21	69	56.80	131	07.50	79	09	25	?	2	?	X	X	CT12
MCKINLEY BAY	22	69	56.80	131	07.50	79	09	25	?	7	?	X	X	CT12
MCKINLEY BAY	23	69	56.80	131	07.50	79	09	25	?	7	?	X	X	CT12
MCKINLEY BAY	24	69	56.80	131	07.50	79	09	25	?	6	?	X	X	CT12
MCKINLEY BAY	25	69	56.80	131	07.50	79	09	25	?	4	?	X	X	CT12
MCKINLEY BAY	26	69	56.80	131	07.50	79	09	25	?	3	?	X	X	CT12
MCKINLEY BAY	27	69	56.80	131	07.50	79	09	25	?	5	?	X	X	CT12
MCKINLEY BAY	28	69	56.80	131	07.50	79	09	25	?	7	?	X	X	CT12
MCKINLEY BAY	29	69	56.80	131	07.50	79	09	25	?	7	?	X	X	CT12
MCKINLEY BAY	30	69	56.80	131	07.50	79	09	25	?	6	?	X	X	CT12
MCKINLEY BAY	EP	69	56.80	131	07.50	79	09	25	10	4	?	X	X	CT12
MCKINLEY BAY	31	69	56.80	131	07.50	79	09	26	?	5	?	X	X	CT12
MCKINLEY BAY	32	69	56.80	131	07.50	79	09	26	?	7	?	X	X	CT12
MCKINLEY BAY	33	69	56.80	131	07.50	79	09	26	?	8	?	X	X	CT12
MCKINLEY BAY	34	69	56.80	131	07.50	79	09	26	?	11	?	X	X	CT12
MCKINLEY BAY	35	69	56.80	131	07.50	79	09	26	?	7	?	X	X	CT12
MCKINLEY BAY	EP	69	56.80	131	07.50	79	09	26	16	2	?	X	X	CT12
MCKINLEY BAY	EP	69	56.80	131	07.50	79	09	26	16	3	?	X	X	CT12
MCKINLEY BAY	A	70	02.30	131	05.10	79	09	27	?	10	?	X	X	CT12
MCKINLEY BAY	B	70	00.50	131	06.50	79	09	27	?	9	?	X	X	CT12
MCKINLEY BAY	C	69	57.80	131	08.00	79	09	27	?	7	?	X	X	CT12
MCKINLEY BAY	D	69	56.00	131	07.30	79	09	27	?	5	?	X	X	CT12

BOTTLE/CTD DATA SET NUMBER: 79-0026  
YEAR:1979 VESSEL/AGENCY: DOME

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MCKINLEY BAY		70 02.5	131 13.4	79 12 13 ?	?	?	X	X	YSI

BOTTLE/CTD DATA SET NUMBER: 79-0037  
YEAR:1979 VESSEL/AGENCY: DFO

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. COASTLINE	2	.	.	79 06 28 ?	?	?		RS53	
TUK. COASTLINE	4	.	.	79 06 28 ?	?	?		RS53	
TUK. COASTLINE	22A	.	.	79 07 18 ?	?	?		RS53	
TUK. COASTLINE	23	.	.	79 07 18 ?	?	?		RS53	
TUK. COASTLINE	30	.	.	79 07 19 ?	?	?		RS53	
TUK. COASTLINE	31	.	.	79 07 19 ?	?	?		RS53	
TUK. COASTLINE	31A	.	.	79 07 19 ?	?	?		RS53	
TUK. COASTLINE	32	.	.	79 07 19 ?	?	?		RS53	
TUK. COASTLINE	1	.	.	79 08 01 ?	?	?		RS53	
TUK. COASTLINE	4	.	.	79 08 01 ?	?	?		RS53	
TUK. COASTLINE	22A	.	.	79 08 04 ?	?	?		RS53	
TUK. COASTLINE	23	.	.	79 08 04 ?	?	?		RS53	
TUK. COASTLINE	31	.	.	79 08 07 ?	?	?		RS53	
TUK. COASTLINE	31A	.	.	79 08 07 ?	?	?		RS53	

320

TUK. COASTLINE  
TUK. COASTLINE

1  
4

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79 09 16 ? ? ?  
79 09 16 ? ? ?

RS53  
RS53

BOTTLE/CTD DATA SET NUMBER: 80-0002  
YEAR:1980 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	12	70 43.60	133 58.10	80 08 01 23	20	? X	X	HYDR	
TUK. SHELF	12	70 43.60	133 58.10	80 08 02 14	48	? X	X	HYDR	
TUK. SHELF	12	70 43.60	133 58.10	80 08 02 15	48	? X	X	HYDR	
TUK. SHELF	12	70 43.60	133 58.10	80 08 05 16	50	? X	X	HYDR	
TUK. SHELF	12	70 43.60	133 58.10	80 08 07 23	50	? X	X	HYDR	
TUK. SHELF	12	70 43.60	133 58.10	80 08 10 09	50	? X	X	HYDR	
TUK. SHELF	12	70 43.60	133 58.10	80 08 12 13	43	? X	X	HYDR	
TUK. SHELF	12	70 43.60	133 58.10	80 08 12 14	50	? X	X	HYDR	
TUK. SHELF	12	70 43.60	133 58.10	80 08 15 14	20	? X	X	HYDR	
TUK. SHELF	12	70 43.60	133 58.10	80 08 20 13	40	? X	X	HYDR	
TUK. SHELF	12	70 43.60	133 58.10	80 08 23 11	40	? X	X	HYDR	
TUK. SHELF	12	70 43.60	133 58.10	80 08 23 14	40	? X	X	HYDR	
TUK. SHELF	12	70 43.60	133 58.10	80 08 25 19	30	? X	X	HYDR	
TUK. SHELF	12	70 43.60	133 58.10	80 08 27 19	40	? X	X	HYDR	
TUK. SHELF	12	70 43.60	133 58.10	80 08 29 17	30	? X	X	HYDR	
TUK. SHELF	12	70 43.60	133 58.10	80 08 31 15	30	? X	X	HYDR	
TUK. SHELF	14	70 51.60	129 16.80	80 09 19 17	20	? X	X	HYDR	
TUK. SHELF	14	70 51.60	129 16.80	80 09 17 14	30	? X	X	HYDR	
TUK. SHELF	14	70 51.60	129 16.80	80 09 15 09	30	? X	X	HYDR	
TUK. SHELF	14	70 51.60	129 16.80	80 07 02 14	17	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 07 14 14	48	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 07 14 15	45	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 07 15 17	48	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 07 16 19	47	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 07 19 19	47	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 07 20 19	48	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 07 22 19	48	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 07 24 19	47	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 07 24 19	47	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 07 25 19	47	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 07 27 19	47	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 07 29 19	47	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 07 30 19	47	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 08 01 19	47	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 08 02 19	47	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 08 03 22	47	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 08 06 13	40	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 08 09 12	40	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 08 09 16	40	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 08 09 16	40	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 08 13 15	40	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 08 15 14	40	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 08 17 14	40	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 08 19 15	40	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 08 21 15	40	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 08 22 13	40	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 08 22 12	50	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 08 27 20	49	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 08 28 17	48	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 09 03 21	47	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 09 11 16	50	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 09 14 11	47	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 09 14 11	47	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 09 20 11	30	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 09 22 16	30	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 09 22 15	45	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 09 30 20	30	? X	X	HYDR	
TUK. SHELF	15	70 20.40	134 10.80	80 10 03 15	15	? X	X	HYDR	
TUK. SHELF	10	70 22.90	135 05.60	80 07 14 17	50	? X	X	HYDR	
TUK. SHELF	10	70 22.90	135 05.60	80 07 15 13	50	? X	X	HYDR	
TUK. SHELF	10	70 22.90	135 05.60	80 07 15 14	50	? X	X	HYDR	
TUK. SHELF	10	70 22.90	135 05.60	80 07 17 14	50	? X	X	HYDR	
TUK. SHELF	10	70 22.90	135 05.60	80 07 18 03	50	? X	X	HYDR	
TUK. SHELF	10	70 22.90	135 05.60	80 07 19 13	50	? X	X	HYDR	
TUK. SHELF	10	70 22.90	135 05.60	80 07 20 04	50	? X	X	HYDR	
TUK. SHELF	10	70 22.90	135 05.60	80 07 23 18	50	? X	X	HYDR	
TUK. SHELF	10	70 22.90	135 05.60	80 07 25 17	50	? X	X	HYDR	
TUK. SHELF	10	70 22.90	135 05.60	80 07 28 15	50	? X	X	HYDR	
TUK. SHELF	10	70 22.90	135 05.60	80 08 01 16	50	? X	X	HYDR	
TUK. SHELF	10	70 22.90	135 05.60	80 08 02 17	50	? X	X	HYDR	
TUK. SHELF	10	70 22.90	135 05.60	80 08 03 12	50	? X	X	HYDR	

TUK. SHELF	10	70	22.90	135	05.60	80	08	03	12	50	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	08	05	15	50	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	08	07	15	50	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	08	09	12	50	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	08	12	13	50	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	08	14	11	50	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	08	19	12	50	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	08	21	12	50	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	08	23	14	50	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	08	25	13	50	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	08	27	15	50	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	08	27	14	49	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	08	29	09	49	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	08	31	12	50	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	09	03	14	50	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	09	04	20	75	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	09	04	20	50	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	09	05	13	50	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	09	14	10	33	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	09	15	11	48	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	09	15	19	49	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	09	16	18	46	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	09	18	10	50	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	09	21	17	44	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	09	24	18	40	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	09	27	19	40	?	X	X	HYDR
TUK. SHELF	10	70	22.90	135	05.60	80	09	28	20	20	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	07	17	14	50	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	07	18	10	50	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	07	21	18	60	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	07	23	14	60	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	07	28	21	50	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	07	31	20	56	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	08	02	13	55	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	08	03	15	55	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	08	05	13	55	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	08	07	23	40	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	08	07	23	53	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	08	09	11	50	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	08	09	10	50	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	08	14	15	20	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	08	17	17	50	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	08	19	16	50	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	08	21	17	50	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	08	23	18	50	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	08	26	23	50	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	08	29	14	50	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	08	31	08	50	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	09	01	23	29	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	09	04	14	50	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	09	04	13	50	?	X	X	HYDR
TUK. SHELF	16	70	20.40	136	39.00	80	09	07	19	50	?	X	X	HYDR
TUK. SHELF	11	69	54.10	136	20.30	80	07	23	21	20	?	X	X	HYDR
TUK. SHELF	11	69	54.10	136	20.30	80	07	25	14	20	?	X	X	HYDR
TUK. SHELF	11	69	54.10	136	20.30	80	07	28	03	20	?	X	X	HYDR
TUK. SHELF	11	69	54.10	136	20.30	80	07	29	07	20	?	X	X	HYDR
TUK. SHELF	11	69	54.10	136	20.30	80	07	11	16	15	?	X	X	HYDR
TUK. SHELF	11	69	54.10	136	20.30	80	07	15	14	20	?	X	X	HYDR
TUK. SHELF	11	69	54.10	136	20.30	80	07	18	04	20	?	X	X	HYDR
TUK. SHELF	11	69	54.10	136	20.30	80	07	21	08	20	?	X	X	HYDR

BOTTLE/CTD DATA SET NUMBER: 80-0003  
 YEAR:1980 VESSEL/AGENCY: ARCTIC LAB

AREA	STN	LAT DEG MIN	LON DEG MIN	YR	DATE MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR T	INT HR	NO
MCKINLEY BAY	C	69 58.	131 10.	80	07 04 00	11	11	X	X	CT12	
MCKINLEY BAY	E	69 57.	131 14.	80	07 04 02	3	4	X	X	CT12	
MCKINLEY BAY	B	70 00.	131 06.	80	07 05 00	8	10	X	X	CT12	
MCKINLEY BAY	A	70 03.	131 05.	80	07 05 02	9	10	X	X	CT12	
MCKINLEY BAY	D	69 56.	131 11.	80	07 05 04	5	5	X	X	CT12	
MCKINLEY BAY	E	69 57.	131 14.	80	08 10 21	9	10	X	X	CT12	
MCKINLEY BAY	D	69 56.	131 11.	80	08 10 22	4	4	X	X	CT12	
MCKINLEY BAY	C	69 58.	131 10.	80	08 10 23	10	10	X	X	CT12	

MCKINLEY BAY	B	70 00.	131 06.	80 08 11 00	8	11	X	X	CT12
MCKINLEY BAY	A	70 03.	131 05.	80 08 11 01	9	10	X	X	CT12
MCKINLEY BAY	B	70 00.	131 06.	80 09 09 21	8	10	X	X	CT12
MCKINLEY BAY	A	70 03.	131 05.	80 09 09 23	8	10	X	X	CT12
MCKINLEY BAY	C	69 58.	131 10.	80 09 10 01	10	10	X	X	CT12
MCKINLEY BAY	D	69 56.	131 11.	80 09 10 02	4	4	X	X	CT12
MCKINLEY BAY	E	69 57.	131 14.	80 09 10 03	11	17	X	X	CT12
MCKINLEY BAY	B	70 00.	131 06.	80 09 26 10	9	10	X	X	CT12
MCKINLEY BAY	D	69 56.	131 11.	80 09 26 16	5	5	X	X	CT12
MCKINLEY BAY	E	69 57.	131 14.	80 09 26 17	20	20	X	X	CT12
MCKINLEY BAY	C	69 58.	131 10.	80 09 26 18	9	10	X	X	CT12
MCKINLEY BAY	A	70 03.	131 05.	80 09 26 21	8	10	X	X	CT12

BOTTLE/CTD DATA SET NUMBER: 80-0004  
 YEAR:1980 VESSEL/AGENCY: ARCTIC LAB

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR T	INT NO HR
TUK. HARBOUR	7	69 24.40	132 59.10	80 07 10 10	10	10	X	X	CT12
TUK. HARBOUR	5	69 26.20	132 58.29	80 07 10 11	20	21	X	X	CT12
TUK. HARBOUR	6	69 25.30	132 58.10	80 07 10 11	18	25	X	X	CT12
TUK. HARBOUR	1	69 31.39	133 08.09	80 07 10 12	4	5	X	X	CT12
TUK. HARBOUR	5	69 26.20	132 58.29	80 07 10 14	20	21	X	X	CT12
TUK. HARBOUR	4	69 26.79	132 58.69	80 07 10 15	10	12	X	X	CT12
TUK. HARBOUR	4.5	69 26.79	132 57.89	80 07 10 15	8	7	X	X	CT12
TUK. HARBOUR	3.5	69 26.79	132 59.69	80 07 10 15	7	11	X	X	CT12
TUK. HARBOUR	3	69 26.79	133 01.09	80 07 10 16	11	10	X	X	CT12
TUK. HARBOUR	2	69 27.69	132 59.59	80 07 10 20	6	9	X	X	CT12
TUK. HARBOUR	7	69 24.40	132 59.10	80 08 12 16	10	10	X	X	CT12
TUK. HARBOUR	6.5	69 24.90	132 58.49	80 08 12 20	10	15	X	X	CT12
TUK. HARBOUR	6.5	69 24.90	132 58.49	80 08 13 16	13	15	X	X	CT12
TUK. HARBOUR	5	69 26.20	132 58.29	80 08 13 18	22	21	X	X	CT12
TUK. HARBOUR	5.5	69 25.69	132 58.39	80 08 13 19	20	22	X	X	CT12
TUK. HARBOUR	6	69 25.30	132 58.10	80 08 13 20	25	25	X	X	CT12
TUK. HARBOUR	6.5	69 24.90	132 58.49	80 08 13 21	15	15	X	X	CT12
TUK. HARBOUR	2.5	69 27.30	132 58.69	80 08 13 22	7	7	X	X	CT12
TUK. HARBOUR	4	69 26.79	132 58.69	80 08 14 16	12	12	X	X	CT12
TUK. HARBOUR	3.5	69 26.79	132 59.69	80 08 14 19	7	11	X	X	CT12
TUK. HARBOUR	3	69 26.79	133 01.09	80 08 14 20	10	10	X	X	CT12
TUK. HARBOUR	2.75	69 27.10	132 58.69	80 08 14 20	10	12	X	X	CT12
TUK. HARBOUR	2	69 27.69	132 59.59	80 08 14 21	7	9	X	X	CT12
TUK. HARBOUR	1	69 31.39	133 08.09	80 08 15 09	4	5	X	X	CT12
TUK. HARBOUR	1	69 31.39	133 08.09	80 08 15 20	5	5	X	X	CT12
TUK. HARBOUR	5	69 26.20	132 58.29	80 09 05 11	18	21	X	X	CT12
TUK. HARBOUR	7	69 24.40	132 59.10	80 09 05 14	10	10	X	X	CT12
TUK. HARBOUR	6.5	69 24.90	132 58.49	80 09 05 15	16	15	X	X	CT12
TUK. HARBOUR	6	69 25.30	132 58.10	80 09 05 17	22	25	X	X	CT12
TUK. HARBOUR	5.5	69 25.69	132 58.39	80 09 05 20	29	22	X	X	CT12
TUK. HARBOUR	2.75	69 27.10	132 58.69	80 09 05 22	10	12	X	X	CT12
TUK. HARBOUR	1	69 31.39	133 08.09	80 09 06 07	5	5	X	X	CT12
TUK. HARBOUR	2	69 27.69	132 59.59	80 09 06 09	7	9	X	X	CT12
TUK. HARBOUR	3	69 26.79	133 01.09	80 09 06 09	9	10	X	X	CT12
TUK. HARBOUR	3.5	69 26.79	132 59.69	80 09 06 10	12	11	X	X	CT12
TUK. HARBOUR	4.5	69 26.79	132 57.89	80 09 06 11	8	7	X	X	CT12
TUK. HARBOUR	4	69 26.79	132 58.69	80 09 06 11	11	12	X	X	CT12
TUK. HARBOUR	7	69 24.40	132 59.10	80 09 24 16	9	10	X	X	CT12
TUK. HARBOUR	6.5	69 24.90	132 58.49	80 09 24 17	15	15	X	X	CT12
TUK. HARBOUR	6	69 25.30	132 58.10	80 09 24 20	24	25	X	X	CT12
TUK. HARBOUR	5.5	69 25.69	132 58.39	80 09 24 20	21	22	X	X	CT12
TUK. HARBOUR	5	69 26.20	132 58.29	80 09 24 21	20	21	X	X	CT12
TUK. HARBOUR	1	69 31.39	133 08.09	80 09 25 14	5	5	X	X	CT12
TUK. HARBOUR	2	69 27.69	132 59.59	80 09 25 16	7	9	X	X	CT12
TUK. HARBOUR	2.75	69 27.10	132 58.69	80 09 25 17	13	12	X	X	CT12
TUK. HARBOUR	3	69 26.79	133 01.09	80 09 25 17	10	10	X	X	CT12
TUK. HARBOUR	3.5	69 26.79	132 59.69	80 09 25 19	11	11	X	X	CT12
TUK. HARBOUR	4	69 26.79	132 58.69	80 09 25 20	11	12	X	X	CT12
TUK. HARBOUR	4.5	69 26.79	132 57.89	80 09 25 21	6	7	X	X	CT12

BOTTLE/CTD DATA SET NUMBER: 80-0016  
 YEAR:1980 VESSEL/AGENCY: DOME

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 03 11	12	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 04 00	?	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 05 00	?	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 06 00	?	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 06 22	13	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 07 00	?	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 07 00	10	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 07 21	14	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 08 00	?	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 09 00	?	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 10 00	?	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 11 00	?	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 12 00	?	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 13 00	?	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 26 00	?	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 29 00	?	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 29 00	13	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 04 30 18	13	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 05 02 00	?	?	X	X YSI	
MCKINLEY BAY	SC	70 02.00	131 10.50	80 05 03 00	?	?	X	X YSI	

BOTTLE/CTD DATA SET NUMBER: 80-0025  
 YEAR:1980 VESSEL/AGENCY: LGL

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	1	69 56.	134 23.	80 08 14 13	?	12	X	X HYDR	
TUK. SHELF	2	70 00.	134 16.	80 08 14 14	?	17	X	X HYDR	
TUK. SHELF	3	70 01.	134 04.	80 08 14 15	?	20	X	X HYDR	
YUKON COAST	9	69 07.	138 00.	80 08 20 18	?	6	X	X HYDR	
YUKON COAST	10	69 09.	138 00.	80 08 20 20	?	20	X	X HYDR	
YUKON COAST	9	69 07.	138 00.	80 08 21 19	?	7	X	X HYDR	
YUKON COAST	10	69 09.	138 00.	80 08 21 21	?	17	X	X HYDR	
TUK. SHELF	4	69 56.	134 55.	80 08 24 17	?	17	X	X HYDR	
TUK. SHELF	5	70 04.	134 19.	80 08 26 17	?	26	X	X HYDR	
TUK. SHELF	6	69 59.	133 56.	80 08 27 03	?	19	X	X HYDR	
TUK. SHELF	7	69 59.	134 18.	80 08 27 04	?	14	X	X HYDR	
TUK. SHELF	8	69 56.	134 18.	80 08 27 05	?	10	X	X HYDR	
YUKON COAST	9	69 07.	138 00.	80 09 06 20	?	8	X	X HYDR	
YUKON COAST	10	69 09.	138 00.	80 09 06 22	?	16	X	X HYDR	

BOTTLE/CTD DATA SET NUMBER: 80-0028  
 YEAR:1980 VESSEL/AGENCY: DOME

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MCKINLEY BAY		70 02.5	131 13.4	80 06 19 ?	?	15	X	X YSI	



BOTTLE/CTD DATA SET NUMBER: 80-0041  
 YEAR:1980 VESSEL/AGENCY: SEATECH

AREA	STN	LAT DEG MIN	LOH DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR T	NT NO HR
KUGMALL IT BAY	0	69 27.*	133 05.*	80 09 20 20	5.5	?	X	X	YSI
KUGMALL IT BAY	1	69 27.	133 05.	80 09 20 20	4.0	?	X	X	YSI
KUGMALL IT BAY	2	69 27.	133 05.	80 09 20 20	4.0	?	X	X	YSI
KUGMALL IT BAY	3	69 27.	133 05.	80 09 20 21	3.2	?	X	X	YSI
KUGMALL IT BAY	4	69 27.	133 05.	80 09 20 21	3.2	?	X	X	YSI
KUGMALL IT BAY	5	69 27.	133 05.	80 09 20 21	2.7	?	X	X	YSI
KUGMALL IT BAY	6	69 27.	133 05.	80 09 20 21	3.2	?	X	X	YSI
KUGMALL IT BAY		69 27.	133 05.	80 09 20 22	6.7	?	X	X	YSI
KUGMALL IT BAY		69 27.	133 05.	80 09 20 22	6.0	?	X	X	YSI
KUGMALL IT BAY		69 27.	133 05.	80 09 20 22	8.0	?	X	X	YSI
KUGMALL IT BAY		69 27.	133 05.	80 09 20 22	12.0	?	X	X	YSI
KUGMALL IT BAY		69 27.	133 05.	80 09 20 22	12.0	?	X	X	YSI
KUGMALL IT BAY	0	69 27.	133 05.	80 09 21 17	9.6	?	X	X	YSI
KUGMALL IT BAY	1	69 27.	133 05.	80 09 21 20	6.2	?	X	X	YSI
KUGMALL IT BAY	2	69 27.	133 05.	80 09 21 21	4.6	?	X	X	YSI
KUGMALL IT BAY	3	69 27.	133 05.	80 09 21 22	5.0	?	X	X	YSI
KUGMALL IT BAY	4	69 27.	133 05.	80 09 21 23	4.0	?	X	X	YSI
KUGMALL IT BAY	5	69 27.	133 05.	80 09 21 23	4.0	?	X	X	YSI
KUGMALL IT BAY	6	69 27.	133 05.	80 09 22 00	4.0	?	X	X	YSI
KUGMALL IT BAY	0	69 27.	133 05.	80 09 23 19	10.0	?	X	X	YSI
KUGMALL IT BAY	1	69 27.	133 05.	80 09 23 19	4.3	?	X	X	YSI
KUGMALL IT BAY	2	69 27.	133 05.	80 09 23 20	4.0	?	X	X	YSI
KUGMALL IT BAY	3	69 27.	133 05.	80 09 23 20	4.0	?	X	X	YSI
KUGMALL IT BAY	4	69 27.	133 05.	80 09 23 20	4.0	?	X	X	YSI
KUGMALL IT BAY	5	69 27.	133 05.	80 09 23 20	4.0	?	X	X	YSI
KUGMALL IT BAY	6	69 27.	133 05.	80 09 23 21	4.0	?	X	X	YSI
KUGMALL IT BAY	0	69 27.	133 05.	80 09 24 16	8.0	?	X	X	YSI
KUGMALL IT BAY	1	69 27.	133 05.	80 09 24 20	6.0	?	X	X	YSI
KUGMALL IT BAY	2	69 27.	133 05.	80 09 24 20	5.0	?	X	X	YSI
KUGMALL IT BAY		69 27.	133 05.	80 09 24 20	6.0	?	X	X	YSI

\*NOMINAL LOCATION

BOTTLE/CTD DATA SET NUMBER: 81-0001  
 YEAR:1981 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LOH DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR T	INT NO HR
BEAUFORT SEA	22	71 42.39	136 02.79	81 03 18 19	1030	1960	X	X	GLDL
BEAUFORT SEA	21	72 24.79	137 29.19	81 03 18 21	1020	2465	X	X	GLDL
BEAUFORT SEA	31	73 01.19	134 50.20	81 03 20 19	1040	2623	X	X	GLDL
BEAUFORT SEA	32	72 25.89	133 11.30	81 03 20 21	1030	1943	X	X	GLDL
BEAUFORT SEA	33	71 44.00	131 29.90	81 03 21 18	980	980	X	X	GLDL
BEAUFORT SEA	34	71 34.89	131 05.49	81 03 21 19	585	585	X	X	GLDL
BEAUFORT SEA	35	71 23.89	130 42.49	81 03 21 21	187	187	X	X	GLDL
BEAUFORT SEA	36	71 14.00	130 20.00	81 03 21 22	55	57	X	X	GLDL
BEAUFORT SEA	51	71 25.80	129 48.40	81 03 21 23	57	57	X	X	GLDL
BEAUFORT SEA	86	71 03.50	131 04.00	81 03 22 00	55	56	X	X	GLDL
BEAUFORT SEA	11	71 54.79	140 47.00	81 03 24 19	1040	2718	X	X	GLDL
BEAUFORT SEA	12	71 06.00	139 46.30	81 03 24 21	1040	2123	X	X	GLDL
BEAUFORT SEA	13	70 32.89	139 03.80	81 03 24 22	1045	1096	X	X	GLDL
BEAUFORT SEA	23	71 13.09	135 04.30	81 03 25 00	910	910	X	X	GLDL
BEAUFORT SEA	26	70 45.00	134 13.20	81 03 25 01	64	64	X	X	GLDL
BEAUFORT SEA	75	70 22.00	137 06.79	81 03 26 17	330	330	X	X	GLDL
BEAUFORT SEA	14	70 13.80	138 44.00	81 03 26 18	415	415	X	X	GLDL
MACKENZIE BAY	18	69 22.20	137 45.00	81 03 26 20	41	42	X	X	GLDL
BEAUFORT SEA	78	69 53.00	135 54.50	81 03 26 21	18	19	X	X	GLDL
BEAUFORT SEA	28	69 54.09	133 01.79	81 03 26 22	14	15	X	X	GLDL
BEAUFORT SEA	24	71 04.49	134 48.00	81 03 27 18	500	500	X	X	GLDL
BEAUFORT SEA	25	70 54.29	134 31.39	81 03 27 19	85	85	X	X	GLDL
BEAUFORT SEA	204	71 08.00	133 44.50	81 03 27 20	463	463	X	X	GLDL
BEAUFORT SEA	205	70 58.20	133 33.80	81 03 27 21	86	86	X	X	GLDL
BEAUFORT SEA	206	71 04.80	133 15.19	81 03 27 22	63	63	X	X	GLDL
BEAUFORT SEA	27	70 35.39	133 59.50	81 03 27 22	58	58	X	X	GLDL

AREA		STN	LAT		LON		DATE				CAST	WATER	PARAM			INSTR	INT	NO
			DEG	MIN	DEG	MIN	YR	MO	DY	HR	TO	DEPTH	MEAS				HR	
											(M)	(M)	C	S	T			
BEAUFORT	SEA	KOPAN	70	23.72	135	12.20	81	07	25	?	?	?	X		X	CTD		
BEAUFORT	SEA	KOAKO	70	21.88	134	06.82	81	07	26	?	?	?	X		X	CTD		
BEAUFORT	SEA	ISSUN	70	05.53	134	26.75	81	07	27	?	?	?	X		X	CTD		
BEAUFORT	SEA	KENAL	70	43.73	133	58.47	81	09	23	?	?	?	X		X	CTD		
BEAUFORT	SEA	KENAL	70	43.73	133	58.47	81	09	25	?	?	?	X		X	CTD		
BEAUFORT	SEA	IRKAL	70	34.13	134	10.58	81	10	03	?	?	?	X		X	CTD		

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK.	SHELF	70 01.*	134 19.*	81 03 08 ?	? ?	X X	BOTT		
TUK.	SHELF	70 01.	134 19.	81 05 16 ?	? ?	X CT12			
TUK.	SHELF	70 01.	134 19.	81 07 25 ?	? ?	X CT12			
TUK.	SHELF	70 01.	134 19.	81 09 25 ?	? ?	X CT12			
TUK.	SHELF	70 01.	134 19.	81 10 10 ?	? ?	X CT12			
TUK.	SHELF	70 01.	134 19.	82 02 21 ?	? ?	X CT12			
TUK.	SHELF	70 01.	134 19.	82 04 16 ?	? ?	X CT12			
INAL LOCATION									

BOTTLE/CTD DATA SET NUMBER: 81-0013  
 YEAR: 1981 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR T	INT NO HR
TUK. HARBOUR	1	69 27.10	132 59.50	81 06 21 21	10	?	X	X	CT12
TUK. HARBOUR	1	69 27.10	132 59.50	81 06 21 23	10	?	X	X	CT12
TUK. HARBOUR	1	69 27.10	132 59.50	81 06 22 02	10	?	X	X	CT12
TUK. HARBOUR	2	69 27.50	132 59.69	81 06 22 04	10	?	X	X	CT12
TUK. HARBOUR	5	69 27.59	133 01.70	81 06 22 04	10	?	X	X	CT12
TUK. HARBOUR	1	69 27.10	132 59.50	81 06 22 05	10	?	X	X	CT12
TUK. HARBOUR	1	69 27.10	132 59.50	81 06 22 05	11	?	X	X	CT12
TUK. HARBOUR	7	69 27.10	132 58.79	81 06 22 06	12	?	X	X	CT12
TUK. HARBOUR	3	69 27.00	133 00.49	81 06 22 06	8	?	X	X	CT12
TUK. HARBOUR	6	69 26.79	133 00.49	81 06 22 07	1	?	X	X	CT12
TUK. HARBOUR	1	69 27.10	132 59.50	81 06 22 08	10	?	X	X	CT12
TUK. HARBOUR	4	69 27.10	133 01.20	81 07 03 23	11	?	X	X	CT12
TUK. HARBOUR	3	69 27.00	133 00.49	81 07 04 00	6	?	X	X	CT12
TUK. HARBOUR	3A	69 27.19	133 00.59	81 07 04 01	10	?	X	X	CT12
TUK. HARBOUR	6	69 26.79	133 00.49	81 07 04 01	11	?	X	X	CT12
TUK. HARBOUR	6A	69 27.00	133 00.00	81 07 04 01	10	?	X	X	CT12
TUK. HARBOUR	1	69 27.10	132 59.50	81 07 04 03	9	?	X	X	CT12
TUK. HARBOUR	8	69 26.69	132 59.29	81 07 04 03	9	?	X	X	CT12
TUK. HARBOUR	7	69 27.10	132 58.79	81 07 04 04	11	?	X	X	CT12
TUK. HARBOUR	2	69 27.50	132 59.69	81 07 04 05	9	?	X	X	CT12
TUK. HARBOUR	4	69 27.10	133 01.20	81 07 04 06	11	?	X	X	CT12
TUK. HARBOUR	3	69 27.00	133 00.49	81 07 04 07	6	?	X	X	CT12
TUK. HARBOUR	6A	69 27.00	133 00.00	81 07 04 09	8	?	X	X	CT12
TUK. HARBOUR	1	69 27.10	132 59.50	81 07 04 10	9	?	X	X	CT12
TUK. HARBOUR	7	69 27.10	132 58.79	81 07 04 11	11	?	X	X	CT12
TUK. HARBOUR	2	69 27.50	132 59.69	81 07 04 12	9	?	X	X	CT12
TUK. HARBOUR	5	69 27.59	133 01.70	81 07 04 13	10	?	X	X	CT12
TUK. HARBOUR	5	69 27.59	133 01.70	81 07 07 01	10	?	X	X	CT12
TUK. HARBOUR	4	69 27.10	133 01.20	81 07 07 02	10	?	X	X	CT12
TUK. HARBOUR	4B	69 27.30	133 01.89	81 07 07 02	7	?	X	X	CT12
TUK. HARBOUR	4A	69 27.19	133 01.49	81 07 07 02	13	?	X	X	CT12
TUK. HARBOUR	6	69 26.79	133 00.49	81 07 07 03	2	?	X	X	CT12
TUK. HARBOUR	3	69 27.00	133 00.49	81 07 07 03	6	?	X	X	CT12
TUK. HARBOUR	3A	69 27.19	133 00.59	81 07 07 04	13	?	X	X	CT12
TUK. HARBOUR	6A	69 27.00	133 00.00	81 07 07 04	6	?	X	X	CT12
TUK. HARBOUR	6B	69 27.30	132 59.90	81 07 07 05	3	?	X	X	CT12
TUK. HARBOUR	2	69 27.50	132 59.69	81 07 07 05	10	?	X	X	CT12
TUK. HARBOUR	1	69 27.10	132 59.50	81 07 07 06	9	?	X	X	CT12
TUK. HARBOUR	7	69 27.10	132 58.79	81 07 07 06	11	?	X	X	CT12
TUK. HARBOUR	4	69 27.10	133 01.20	81 07 07 14	11	?	X	X	CT12
TUK. HARBOUR	3A	69 27.19	133 00.59	81 07 07 15	13	?	X	X	CT12
TUK. HARBOUR	7	69 27.10	132 58.79	81 07 07 16	10	?	X	X	CT12
TUK. HARBOUR	4	69 27.10	133 01.20	81 07 07 17	11	?	X	X	CT12
TUK. HARBOUR	3A	69 27.19	133 00.59	81 07 07 17	12	?	X	X	CT12
TUK. HARBOUR	1	69 27.10	132 59.50	81 07 07 18	10	?	X	X	CT12
TUK. HARBOUR	7	69 27.10	132 58.79	81 07 07 18	11	?	X	X	CT12
TUK. HARBOUR	3A	69 27.19	133 00.59	81 07 07 21	13	?	X	X	CT12
TUK. HARBOUR	1	69 27.10	132 59.50	81 07 07 22	10	?	X	X	CT12
TUK. HARBOUR	7	69 27.10	132 58.79	81 07 07 22	12	?	X	X	CT12
TUK. HARBOUR	3A	69 27.19	133 00.59	81 07 07 23	15	?	X	X	CT12
TUK. HARBOUR	1	69 27.10	132 59.50	81 07 08 00	11	?	X	X	CT12
TUK. HARBOUR	7	69 27.10	132 58.79	81 07 08 00	10	?	X	X	CT12
TUK. HARBOUR	3A	69 27.19	133 00.59	81 07 08 01	14	?	X	X	CT12
TUK. HARBOUR	1	69 27.10	132 59.50	81 07 08 01	11	?	X	X	CT12
TUK. HARBOUR	7	69 27.10	132 58.79	81 07 08 02	14	?	X	X	CT12

BOTTLE/CTD DATA SET NUMBER: 81-0015  
 YEAR: 1981 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR T	INT NO HR
MCKINLEY BAY		70 01.6	131 13.0	81 04 21 ?	12	18		CT12	

TUK. SHELF	1	70 00.9	134 19.3	81 05 16	?	2	18	CT12
MCKINLEY BAY		70 01.6	131 13.0	81 05 17	?	2	18	CT12
MCKINLEY BAY		70 01.6	131 13.0	81 05 17	?	15	18	CT12
TUK. SHELF	1	70 00.9	134 19.3	81 05 29	?	2	18	CT12
TUK. SHELF	1	70 00.9	134 19.3	81 05 29	?	17	18	CT12
TUK. SHELF	1	70 00.9	134 19.3	81 06 16	?	2	18	CT12
TUK. SHELF	1	70 00.9	134 19.3	81 06 16	?	17	18	CT12
TUK. SHELF	1	70 00.9	134 19.3	81 06 16	06	15	18	CT12
TUK. SHELF	1	70 00.9	134 19.3	81 06 16	11	15	18	CT12
TUK. SHELF	1	70 00.9	134 19.3	81 06 16	15	15	18	CT12
TUK. SHELF	1	70 00.9	134 19.3	81 06 16	20	15	18	CT12
MCKINLEY BAY		70 01.6	131 13.0	81 06 20	?	18	18	CT12
TUK. SHELF	1	70 00.9	134 19.3	81 07 25	20	18	18	CT12
TUK. SHELF	1	70 00.9	134 19.3	81 07 26	02	18	18	CT12
TUK. SHELF	1	70 00.9	134 19.3	81 07 26	14	18	18	CT12
TUK. SHELF	1	70 00.9	134 19.3	81 09 26	?	17	18	CT12

BOTTLE/CTD DATA SET NUMBER: 81-0018  
 YEAR:1981 VESSEL/AGENCY: SEQUEL

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	TBN-1	69 46.30	135 55.50	81 09 11	?	?	X	?	?
TUK. SHELF	TBN-2	69 47.80	135 58.20	81 09 11	?	?	X	?	?
TUK. SHELF	TBSC1	69 44.10	135 53.50	81 09 11	?	?	X	?	?
TUK. SHELF	TBSC2	69 42.60	136 02.60	81 09 11	?	?	X	?	?
HERSCHEL IS.	CS2	69 33.30	138 48.40	81 09 12	?	12 13	X	X BOTT	?
HERSCHEL IS.	DS2	69 32.70	138 47.60	81 09 13	?	12 13	X	X BOTT	?
HERSCHEL IS.	DS3	69 27.10	138 36.00	81 09 13	?	11 12	X	X BOTT	?
HERSCHEL IS.	DS4	69 32.15	138 46.30	81 09 13	?	14 15	X	X BOTT	?
HERSCHEL IS.	DS5	69 32.05	138 44.80	81 09 14	?	13 14	X	X BOTT	?
HERSCHEL IS.	DS8	69 27.10	138 35.20	81 09 14	?	11 12	X	X BOTT	?
HERSCHEL IS.	DS9	69 27.30	138 35.65	81 09 14	?	15 16	X	X BOTT	?
HERSCHEL IS.	DS10	69 31.80	138 44.80	81 09 14	?	13 14	X	X BOTT	?
TUK. SHELF	TN-1	69 53.87	136 11.65	81 09 22	?	?	X	?	?
TUK. SHELF	TN-2	69 54.12	136 11.67	81 09 22	?	?	X	?	?
TUK. SHELF	TN-3	69 55.45	136 11.73	81 09 22	?	?	X	?	?
TUK. SHELF	TE-1	69 53.82	136 11.48	81 09 22	?	?	X	?	?
TUK. SHELF	TE-2	69 53.82	136 10.78	81 09 22	?	?	X	?	?
TUK. SHELF	TE-3	69 53.85	136 06.87	81 09 22	?	?	X	?	?
TUK. SHELF	TS-1	69 53.77	136 11.65	81 09 22	?	?	X	?	?
TUK. SHELF	TS-2	69 53.52	136 11.63	81 09 22	?	?	X	?	?
TUK. SHELF	TS-3	69 52.17	136 11.55	81 09 22	?	?	X	?	?
TUK. SHELF	TW-1	69 53.82	136 11.67	81 09 22	?	?	X	?	?
TUK. SHELF	TW-2	69 53.82	136 12.42	81 09 22	?	?	X	?	?
TUK. SHELF	TW-3	69 53.78	136 16.33	81 09 22	?	?	X	?	?

BOTTLE/CTD DATA SET NUMBER: 81-0027  
 YEAR:1981 VESSEL/AGENCY: SEQUEL,LGL

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	N-1	69 50.7	133 20.0	81 08 01 01	?	14	X	X HYDR	
TUK. SHELF	L-1	69 55.6	133 22.8	81 08 01 15	?	20	X	X HYDR	
TUK. SHELF	N-2	70 02.0	133 55.0	81 08 05 17	?	23	X	X HYDR	
TUK. SHELF	N-3	70 09.5	134 29.5	81 08 06 16	?	35	X	X HYDR	
TUK. SHELF	N-2	70 02.0	133 55.0	81 08 06 19	?	23	X	X HYDR	
TUK. SHELF	N-4	69 36.4	133 04.8	81 08 10 18	?	5	X	X HYDR	
TUK. SHELF	N-5	70 10.0	133 28.5	81 08 11 18	?	40	X	X HYDR	
TUK. SHELF	N-6	70 05.2	133 25.6	81 08 11 21	?	32	X	X HYDR	
TUK. SHELF	N-7	70 00.5	133 23.3	81 08 12 01	?	27	X	X HYDR	
TUK. SHELF	L-1	69 55.6	133 22.8	81 08 12 04	?	20	X	X HYDR	
TUK. SHELF	N-1	69 50.7	133 20.0	81 08 12 06	?	14	X	X HYDR	
TUK. SHELF	N-8	70 02.8	134 30.0	81 08 14 22	?	20	X	X HYDR	
TUK. SHELF	N-9	70 00.3	134 43.0	81 08 18 06	?	26	X	X HYDR	

TUK. SHELF	N-10	70 02.6	134 48.5	81 08 19 21	?	27	X	X	HYDR
TUK. SHELF	N-11	70 08.3	134 38.3	81 08 24 22	?	30	X	X	HYDR
TUK. SHELF	N-12	69 57.3	133 52.0	81 08 25 03	?	17	X	X	HYDR
TUK. SHELF	N-13	69 52.0	134 49.0	81 08 25 20	?	11	X	X	HYDR
TUK. SHELF	L-1	69 55.6	133 22.8	81 09 06 18	?	20	X	X	HYDR

BOTTLE/CTD DATA SET NUMBER: 81-0029  
 YEAR:1981 VESSEL/AGENCY: DFO

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
KUGMALLIT BAY		69 26.*	132 58.*	81 06 01*	?	?		X	?
LIVERPOOL BAY		69 22.	131 00.	81 06 01	?	?		X	?

\*NOMINAL LOCATIONS, DATES

BOTTLE/CTD DATA SET NUMBER: 82-0003  
 YEAR:1982 VESSEL/AGENCY: ASL

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
AMUNDSEN GULF	4128	70 16.08	124 20.50	82 03 29 18	58	62	X	X	GLDL
AMUNDSEN GULF	4129	70 23.28	124 14.70	82 03 29 19	185	187	X	X	GLDL
AMUNDSEN GULF	4130	70 37.90	123 49.18	82 03 29 20	467	467	X	X	GLDL
AMUNDSEN GULF	4131	70 51.30	123 29.90	82 03 29 21	454	454	X	X	GLDL
AMUNDSEN GULF	4132	71 03.50	123 09.38	82 03 29 22	263	264	X	X	GLDL
AMUNDSEN GULF	4133	70 36.58	122 54.68	82 03 30 18	432	433	X	X	GLDL
AMUNDSEN GULF	4134	69 45.08	120 47.58	82 03 30 20	236	239	X	X	GLDL
AMUNDSEN GULF	4135	70 07.38	120 25.08	82 03 30 21	394	394	X	X	GLDL
AMUNDSEN GULF	4136	70 32.58	120 03.80	82 03 30 22	313	313	X	X	GLDL
AMUNDSEN GULF	4137	71 22.08	119 03.68	82 03 30 23	119	123	X	X	GLDL
AMUNDSEN GULF	4138	71 00.30	121 44.00	82 03 31 17	315	316	X	X	GLDL
AMUNDSEN GULF	4139	70 33.40	121 52.08	82 03 31 19	472	472	X	X	GLDL
AMUNDSEN GULF	4140	69 51.68	122 11.88	82 03 31 20	90	94	X	X	GLDL
AMUNDSEN GULF	4141	69 37.58	119 26.28	82 03 31 21	308	310	X	X	GLDL
AMUNDSEN GULF	4142	70 01.50	118 48.08	82 03 31 22	437	438	X	X	GLDL
AMUNDSEN GULF	4143	70 26.90	118 09.28	82 03 31 23	390	391	X	X	GLDL
AMUNDSEN GULF	4144	70 47.58	118 36.50	82 04 01 00	278	280	X	X	GLDL
DOLPHIN-UNION	4145	69 14.78	118 32.00	82 04 01 17	47	52	X	X	GLDL
DOLPHIN-UNION	4146	69 19.28	118 13.50	82 04 01 18	182	184	X	X	GLDL
DOLPHIN-UNION	4147	69 26.58	117 49.58	82 04 01 19	334	335	X	X	GLDL
DOLPHIN-UNION	4148	69 32.90	117 27.50	82 04 01 20	226	229	X	X	GLDL
DOLPHIN-UNION	4149	69 38.00	117 08.78	82 04 01 21	174	177	X	X	GLDL
PR. WALES STR.	4150	71 33.40	120 17.20	82 04 02 17	91	95	X	X	GLDL
PR. WALES STR.	4151	71 34.18	119 57.58	82 04 02 18	148	152	X	X	GLDL
PR. WALES STR.	4152	71 35.08	119 25.20	82 04 02 20	104	108	X	X	GLDL

BOTTLE/CTD DATA SET NUMBER: 82-0032  
 YEAR:1982 VESSEL/AGENCY: DFO

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. HARBOUR		69 26.	132 58.	82 07 27 ?	21	?	X	X	CT12
TUK. HARBOUR		69 26.	132 58.	82 07 29 ?	21	?	X	X	CT12
TUK. HARBOUR		69 26.	132 58.	82 08 06 ?	21	?	X	X	CT12
TUK. HARBOUR		69 26.	132 58.	82 08 11 ?	21	?	X	X	CT12

BOTTLE/CTD DATA SET NUMBER: 82-0093  
 YEAR:1982 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF		70 01.	134 19.	82 02 ? ?	?	?	X	X CT12	
TUK. SHELF		70 01.	134 19.	82 04 ? ?	?	?	X	X CT12	

BOTTLE/CTD DATA SET NUMBER: 82-0094  
 YEAR:1982 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
HERSCHEL IS.	C-2	69 33.23	138 48.70	82 09 03 ?	12	13	X	X BOTT	
HERSCHEL IS.	D-2	69 32.60	138 47.70	82 09 03 ?	11	12	X	X BOTT	
HERSCHEL IS.	D-7	69 27.08	138 35.50	82 09 04 ?	10	11	X	X BOTT	
HERSCHEL IS.	D-8	69 26.95	138 34.20	82 09 05 ?	11	12	X	X BOTT	

BOTTLE/CTD DATA SET NUMBER: 82-0095  
 YEAR:1982 VESSEL/AGENCY: EPS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
YUKON COASTAL	S6	69 19.8	138 42.2	82 08 05 00	4.5	?	X	X YSI	
YUKON COASTAL	S5	69 20.0	138 42.2	82 08 05 01	4.5	?	X	X YSI	
YUKON COASTAL	S4	69 20.8	138 43.0	82 08 05 02	4.5	?	X	X YSI	
YUKON COASTAL	S3	69 21.5	138 44.1	82 08 05 04	4.5	?	X	X YSI	
YUKON COASTAL	S8	69 22.1	138 46.3	82 08 05 04	6.2	?	X	X YSI	
YUKON COASTAL	S2	69 20.9	138 46.2	82 08 05 20	3.0	?	X	X YSI	
YUKON COASTAL	S1	69 20.4	138 44.2	82 08 05 22	2.5	?	X	X YSI	
YUKON COASTAL	K4	69 06.	137 57.	82 08 06 20	4.5	?	X	X YSI	
YUKON COASTAL	K8	69 06.	137 57.	82 08 06 21	4.5	?	X	X YSI	
YUKON COASTAL	K7	69 06.	137 57.	82 08 06 22	4.5	?	X	X YSI	
YUKON COASTAL	K6	69 06.	137 57.	82 08 07 00	4.5	?	X	X YSI	
YUKON COASTAL	K5	69 06.	137 57.	82 08 07 01	4.5	?	X	X YSI	
YUKON COASTAL	K1	69 06.	137 57.	82 08 07 18	2.8	?	X	X YSI	
YUKON COASTAL	K3	69 06.	137 57.	82 08 07 19	2.5	?	X	X YSI	
YUKON COASTAL	K2	69 06.	137 57.	82 08 07 22	3.3	?	X	X YSI	

BOTTLE/CTD DATA SET NUMBER: 82-0097A  
 YEAR:1982 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	TE1	69 53.82	136 11.48	82 07 24 ?	11	12	X	BOTT	
TUK. SHELF	TE2	69 53.82	136 10.78	82 07 24 ?	21	22	X	BOTT	
TUK. SHELF	TE3	69 53.82	136 06.87	82 07 24 ?	21	22	X	BOTT	
TUK. SHELF	TS1	69 53.77	136 11.65	82 07 24 ?	9	10	X	BOTT	
TUK. SHELF	TS2	69 53.52	136 11.65	82 07 24 ?	22	23	X	BOTT	

TUK. SHELF	TS3	69	52.17	136	11.65	82	07	24	?	20	21	X	BOTT
TUK. SHELF	TW1	69	53.82	136	11.82	82	07	24	?	9	10	X	BOTT
TUK. SHELF	TW2	69	53.82	136	12.42	82	07	24	?	23	24	X	BOTT
TUK. SHELF	TW3	69	53.82	136	16.33	82	07	24	?	24	25	X	BOTT
TUK. SHELF	TN3	69	55.45	136	11.65	82	07	28	?	23	24	X	BOTT
TUK. SHELF	TN1	69	53.87	136	11.65	82	07	29	?	9	10	X	BOTT
TUK. SHELF	TN2	69	54.12	136	11.65	82	07	29	?	22	23	X	BOTT
TUK. SHELF	TBC1	69	44.90	135	54.80	82	07	31	?	6	7	X	BOTT
TUK. SHELF	TBC2	69	45.25	135	56.40	82	07	31	?	7	8	X	BOTT
TUK. SHELF	TBC3	69	45.25	135	53.20	82	07	31	?	7	8	X	BOTT
TUK. SHELF	TBE1	69	45.80	135	51.20	82	07	31	?	10	11	X	BOTT
TUK. SHELF	TBE2	69	42.80	135	48.00	82	07	31	?	10	11	X	BOTT
TUK. SHELF	TBN1	69	45.90	135	55.30	82	07	31	?	11	12	X	BOTT
TUK. SHELF	TBS1	69	44.10	135	59.00	82	07	31	?	7	8	X	BOTT
TUK. SHELF	TBSC	69	44.10	135	53.50	82	07	31	?	7	8	X	BOTT
TUK. SHELF	TBW1	69	45.25	135	59.00	82	07	31	?	10	11	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 82-0111  
 YEAR:1982 VESSEL/AGENCY: DFO

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
KUGMALL IT BAY		69 26.*	132 58.*	82 06 01*	?	?		X	?
LIVERPOOL BAY		69 22.	131 00.	82 06 01	?	?		X	?

\*NOMINAL DATES, LOCATION

BOTTLE/CTD DATA SET NUMBER: 82-0118  
 YEAR:1982 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	NERLK	70 27.80	133 29.73	82 07 04	?	?	X	X	CTD
BEAUFORT SEA	IRKAL	70 34.08	134 10.22	82 07 26	?	?	X	X	CTD
BEAUFORT SEA	KENAL	70 43.73	133 58.47	82 07 27	?	?	X	X	CTD
BEAUFORT SEA	KIGGA	69 52.30	133 55.30	82 08 23	?	?	X	X	CTD
BEAUFORT SEA	ORVIL	70 22.82	136 30.90	82 08 29	?	?	X	X	CTD
BEAUFORT SEA	AIVER	70 24.67	133 42.00	82 10 05	?	?	X	X	CTD

BOTTLE/CTD DATA SET NUMBER: 82-0119  
 YEAR:1982 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	1	70 10.6	130 58.9	82 09 18 05	32	32		CT12	
TUK. SHELF	2	70 10.6	130 58.9	82 09 18 05	29	29		CT12	
TUK. SHELF	3	70 10.6	130 58.9	82 09 18 05	32	32		CT12	
TUK. SHELF	4	70 10.6	130 58.9	82 09 18 06	29	29		CT12	
TUK. SHELF	5	70 10.6	130 58.9	82 09 18 14	28	28		CT12	
TUK. SHELF	6	70 10.6	130 58.9	82 09 18 15	28	28		CT12	
TUK. SHELF	7	70 10.6	130 58.9	82 09 18 15	28	28		CT12	
TUK. SHELF	8	70 10.6	130 58.9	82 09 18 16	29	29		CT12	
TUK. SHELF	9	70 10.6	130 58.9	82 09 18 16	30	30		CT12	
TUK. SHELF	10	70 10.6	130 58.9	82 09 18 16	28	28		CT12	
TUK. SHELF	11	70 10.6	130 58.9	82 09 18 18	30	30		CT12	
TUK. SHELF	12	70 10.6	130 58.9	82 09 18 18	31	31		CT12	
TUK. SHELF	13	70 10.6	130 58.9	82 09 18 20	28	28		CT12	
TUK. SHELF	14	70 10.6	130 58.9	82 09 18 22	33	?		CT12	

TUK. SHELF

15 70 10.6 130 58.9 82 09 18 23 28 28

CT12

BOTTLE/CTD DATA SET NUMBER: 83-0047  
 YEAR: 1983 VESSEL/AGENCY: EPS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
YUKON COASTAL	S6	69 19.8	138 42.2	83 08 02 16	4.5	5.0	X	X YSI	
YUKON COASTAL	S5	69 20.0	138 42.2	83 08 03 01	4.5	5.0	X	X YSI	
YUKON COASTAL	S4	69 20.8	138 43.0	83 08 03 02	4.5	5.0	X	X YSI	
YUKON COASTAL	S3	69 21.5	138 44.1	83 08 04 13	4.5	5.0	X	X YSI	
YUKON COASTAL	S8	69 22.1	138 46.3	83 08 04 15	4.5	5.0	X	X YSI	
YUKON COASTAL	S2	69 20.9	138 46.2	83 08 04 16	3.0	3.5	X	X YSI	
YUKON COASTAL	S1	69 20.4	138 44.2	83 08 04 18	2.5	3.0	X	X YSI	

BOTTLE/CTD DATA SET NUMBER: 83-0058  
 YEAR: 1983 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	1	70 05.	134 31.	83 08 21 ?	0	?	X	X BOTT	
TUK. SHELF	2	70 06.	134 31.	83 08 21 ?	0	?	X	X BOTT	
TUK. SHELF	3	70 04.	134 25.	83 08 21 ?	0	?	X	X BOTT	
TUK. SHELF	4	70 06.	134 27.	83 08 21 ?	0	?	X	X BOTT	
TUK. SHELF	5	70 04.	134 21.	83 08 21 ?	0	?	X	X BOTT	
TUK. SHELF	6	70 05.	134 10.	83 08 21 ?	0	?	X	X BOTT	
TUK. SHELF	7	70 04.	134 05.	83 08 21 ?	0	?	X	X BOTT	
TUK. SHELF	8	69 56.	134 17.	83 08 21 ?	0	?	X	X BOTT	
TUK. SHELF	9	69 47.	134 07.	83 08 21 ?	0	?	X	X BOTT	
TUK. SHELF	10	69 36.	133 37.	83 08 21 ?	0	?	X	X BOTT	
TUK. SHELF	1	70 33.	133 14.	83 08 23 ?	0	?	X	X BOTT	
TUK. SHELF	2	70 30.	133 13.	83 08 23 ?	0	?	X	X BOTT	
TUK. SHELF	3	70 25.	133 13.	83 08 23 ?	0	?	X	X BOTT	
TUK. SHELF	4	70 20.	133 12.	83 08 23 ?	0	?	X	X BOTT	
TUK. SHELF	5	70 13.	133 11.	83 08 23 ?	0	?	X	X BOTT	
TUK. SHELF	6	70 08.	133 09.	83 08 23 ?	0	?	X	X BOTT	
TUK. SHELF	7	70 03.	133 05.	83 08 23 ?	0	?	X	X BOTT	
TUK. SHELF	8	69 56.	133 03.	83 08 23 ?	0	?	X	X BOTT	
TUK. SHELF	9	69 54.	133 03.	83 08 23 ?	0	?	X	X BOTT	
TUK. SHELF	10	69 46.	133 09.	83 08 23 ?	0	?	X	X BOTT	
TUK. SHELF	11	69 39.	133 10.	83 08 23 ?	0	?	X	X BOTT	
TUK. SHELF	12	69 34.	133 08.	83 08 23 ?	0	?	X	X BOTT	
TUK. SHELF	13	69 27.	133 04.	83 08 23 ?	0	?	X	X BOTT	
TUK. SHELF	14	69 27.	133 03.	83 08 23 ?	0	?	X	X BOTT	
ESKIMO LAKES	1	68 58.	133 10.	83 10 09 ?	0	?	X	X BOTT	
ESKIMO LAKES	2	69 00.	133 04.	83 10 09 ?	0	?	X	X BOTT	
ESKIMO LAKES	3	69 06.	132 46.	83 10 09 ?	0	?	X	X BOTT	
ESKIMO LAKES	4	69 09.	132 33.	83 10 09 ?	0	?	X	X BOTT	
ESKIMO LAKES	5	69 16.	132 16.	83 10 09 ?	0	?	X	X BOTT	
ESKIMO LAKES	6	69 24.	131 57.	83 10 09 ?	0	?	X	X BOTT	
ESKIMO LAKES	7	69 27.	131 48.	83 10 09 ?	0	?	X	X BOTT	
ESKIMO LAKES	8	69 30.	131 33.	83 10 09 ?	0	?	X	X BOTT	
ESKIMO LAKES	9	69 33.	131 23.	83 10 09 ?	0	?	X	X BOTT	
ESKIMO LAKES	10	69 32.	130 55.	83 10 09 ?	0	?	X	X BOTT	
LIVERPOOL BAY	11	69 45.	130 14.	83 10 09 ?	0	?	X	X BOTT	
LIVERPOOL BAY	12	69 48.	130 10.	83 10 09 ?	0	?	X	X BOTT	
LIVERPOOL BAY	13	69 51.	129 53.	83 10 09 ?	0	?	X	X BOTT	
LIVERPOOL BAY	14	69 54.	129 42.	83 10 09 ?	0	?	X	X BOTT	
LIVERPOOL BAY	15	69 55.	129 27.	83 10 09 ?	0	?	X	X BOTT	



BOTTLE/CTD DATA SET NUMBER: 83-0065  
 YEAR:1983 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	8	69 43.36	133 51.18	83 07 19 ?	?	3.5	X	X CT12	
TUK. SHELF	6	69 54.77	133 25.46	83 07 20 ?	?	20	X	X CT12	
TUK. SHELF	5	69 51.96	133 22.08	83 07 20 ?	?	12	X	X CT12	
TUK. SHELF	4	69 47.82	133 19.33	83 07 20 ?	?	10	X	X CT12	
TUK. SHELF	3	69 42.58	133 14.91	83 07 20 ?	?	7	X	X CT12	
TUK. SHELF	2A	69 40.78	133 14.88	83 07 20 ?	?	5.5	X	X CT12	
TUK. SHELF	2	69 38.27	133 14.25	83 07 20 ?	?	5.5	X	X CT12	
TUK. SHELF	1	69 30.95	133 11.76	83 07 20 ?	?	4.3	X	X CT12	
TUK. SHELF	2B	69 38.88	133 17.41	83 07 21 ?	?	5.5	X	X CT12	
TUK. SHELF	12	69 55.00	134 48.14	83 07 23 ?	?	16	X	X CT12	
TUK. SHELF	11	69 53.35	134 33.42	83 07 23 ?	?	11	X	X CT12	
TUK. SHELF	10	69 48.5	134 18.6	83 07 23 ?	?	5	X	X CT12	
TUK. SHELF	9	69 46.66	134 05.64	83 07 23 ?	?	3.5	X	X CT12	
TUK. SHELF	8	69 43.30	133 51.81	83 07 23 ?	?	3.5	X	X CT12	
TUK. SHELF	7A	69 38.1	133 36.5	83 07 23 ?	?	3.5	X	X CT12	
TUK. SHELF	7	69 34.8	133 22.6	83 07 23 ?	?	?	X	X CT12	
TUK. SHELF	6	69 55.84	133 27.90	83 07 25 ?	?	20	X	X CT12	
TUK. SHELF	5	69 51.98	133 20.01	83 07 25 ?	?	12	X	X CT12	
TUK. SHELF	4	69 48.03	133 18.93	83 07 25 ?	?	10	X	X CT12	
TUK. SHELF	3	69 42.62	133 17.52	83 07 25 ?	?	7	X	X CT12	
TUK. SHELF	2A	69 43.25	133 16.96	83 07 25 ?	?	5.5	X	X CT12	
TUK. SHELF	2	69 38.60	133 13.03	83 07 25 ?	?	5.6	X	X CT12	
TUK. SHELF	1	69 31.31	330 80.0	83 07 25 ?	?	4.3	X	X CT12	
TUK. SHELF	11	69 53.82	134 36.10	83 07 26 ?	?	11	X	X CT12	
TUK. SHELF	10	69 48.45	134 18.60	83 07 26 ?	?	5	X	X CT12	
TUK. SHELF	9	69 45.91	134 04.94	83 07 26 ?	?	3.5	X	X CT12	
TUK. SHELF	8	69 43.51	133 51.75	83 07 26 ?	?	3.5	X	X CT12	
TUK. SHELF	7A	69 38.16	133 36.66	83 07 26 ?	?	3.5	X	X CT12	
TUK. SHELF	7	69 33.33	133 23.92	83 07 26 ?	?	3.5	X	X CT12	
TUK. SHELF	6	69 54.64	133 22.55	83 07 28 ?	?	20	X	X CT12	
TUK. SHELF	5	69 52.19	133 24.08	83 07 28 ?	?	12	X	X CT12	
TUK. SHELF	4	69 47.34	133 20.75	83 07 28 ?	?	10	X	X CT12	
TUK. SHELF	3	69 44.66	133 16.70	83 07 28 ?	?	7	X	X CT12	
TUK. SHELF	2	69 38.10	133 14.78	83 07 28 ?	?	6	X	X CT12	
TUK. SHELF	1	69 31.18	133 08.39	83 07 28 ?	?	4	X	X CT12	
TUK. SHELF	3	69 42.7	133 14.8	83 07 29 ?	?	7	X	X CT12	12 4
TUK. SHELF	15	69 45.0	132 05.0	83 08 10 ?	?	5.5	X	X CT12	
TUK. SHELF	14	69 44.4	132 36.0	83 08 10 ?	?	6.5	X	X CT12	
TUK. SHELF	13	69 40.8	132 53.8	83 08 10 ?	?	6.0	X	X CT12	
TUK. SHELF	1	69 31.5	133 08.2	83 08 10 ?	?	4.3	X	X CT12	

BOTTLE/CTD DATA SET NUMBER: 83-0068  
 YEAR:1983 VESSEL/AGENCY: DFO

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
LIVERPOOL BAY		69 22.	131 00.	83 06 11 ?	?	?		X	?
LIVERPOOL BAY		69 22.	131 00.	83 09 12 ?	?	?		X	?

BOTTLE/CTD DATA SET NUMBER: 83-0069  
YEAR:1983 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	NATIA	70 03.95	137 13.12	83 07 19 ?	?	?	X	X CTD	
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	83 07 26 ?	?	?	X	X CTD	
BEAUFORT SEA	SIULK	70 24.63	134 30.67	83 07 27 ?	?	?	X	X CTD	
BEAUFORT SEA	ARLUK	70 19.38	135 26.53	83 07 31 ?	?	?	X	X CTD	
BEAUFORT SEA	AIVRK	70 24.73	133 42.35	83 08 03 ?	?	?	X	X CT12	

BOTTLE/CTD DATA SET NUMBER: 84-0043  
YEAR:1984 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
KUGMALLIT BAY	X	69 46.0*	134 32.0*	84 04 01 ?	?	?	X	X BOTT	11 2

\*NOMINAL LOCATION

BOTTLE/CTD DATA SET NUMBER: 84-0044  
YEAR:1984 VESSEL/AGENCY: SEQUEL

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	1	69 34.60	133 12.75	84 07 10 ?	?	?	X	X GLDL	
TUK. SHELF	2	69 35.64	133 10.89	84 07 10 ?	?	5	X	X GLDL	
TUK. SHELF	3	69 39.46	133 13.31	84 07 10 ?	?	6	X	X GLDL	
TUK. SHELF	4	69 46.89	133 19.54	84 07 10 ?	?	11	X	X GLDL	
TUK. SHELF	1A	69 32.50	133 08.70	84 07 18 ?	?	?	X	X GLDL	
TUK. SHELF	2A	69 33.11	133 17.72	84 07 18 ?	?	?	X	X GLDL	
TUK. SHELF	3A	69 38.01	133 31.31	84 07 18 ?	?	?	X	X GLDL	
TUK. SHELF	27	69 49.73	132 56.90	84 07 19 ?	?	?	X	X GLDL	
TUK. SHELF	28	69 53.25	132 55.60	84 07 20 ?	?	?	X	X GLDL	
TUK. SHELF	29	69 54.05	132 50.96	84 07 20 ?	?	?	X	X GLDL	
TUK. SHELF	30	69 53.95	132 45.61	84 07 20 ?	?	?	X	X GLDL	
TUK. SHELF	31	69 49.71	132 24.48	84 07 20 ?	?	?	X	X GLDL	
TUK. SHELF	32	69 53.75	132 11.45	84 07 20 ?	?	?	X	X GLDL	
TUK. SHELF	33	69 52.80	131 48.00	84 07 20 ?	?	?	X	X GLDL	
TUK. SHELF	34	69 56.80	131 31.50	84 07 20 ?	?	?	X	X GLDL	
TUK. SHELF	35	70 01.60	131 16.95	84 07 20 ?	?	?	X	X GLDL	
TUK. SHELF	36	70 05.80	131 01.00	84 07 20 ?	?	?	X	X GLDL	
TUK. SHELF	37	70 11.85	130 50.80	84 07 20 ?	?	?	X	X GLDL	
TUK. SHELF	38	70 15.85	130 34.70	84 07 20 ?	?	?	X	X GLDL	
TUK. SHELF	39	70 20.02	130 18.40	84 07 20 ?	?	?	X	X GLDL	
TUK. SHELF	40	70 16.70	130 00.00	84 07 20 ?	?	?	X	X GLDL	
TUK. SHELF	41	70 06.25	130 02.00	84 07 20 ?	?	?	X	X GLDL	
TUK. SHELF	42	70 08.68	130 04.55	84 07 20 ?	?	?	X	X GLDL	
TUK. SHELF	43	70 09.50	130 13.60	84 07 20 ?	?	?	X	X GLDL	
MACKINLEY BAY	ME1	70 03.90	131 01.50	84 07 21 ?	?	?	X	X GLDL	
MACKINLEY BAY	ME2	70 02.18	131 02.52	84 07 21 ?	?	?	X	X GLDL	
MACKINLEY BAY	ME3	70 00.60	131 03.60	84 07 21 ?	?	?	X	X GLDL	
MACKINLEY BAY	ME5	69 59.20	131 07.00	84 07 21 ?	?	?	X	X GLDL	
MACKINLEY BAY	ME6	69 57.45	131 08.50	84 07 21 ?	?	?	X	X GLDL	
MACKINLEY BAY	ME7	69 56.20	131 06.20	84 07 21 ?	?	?	X	X GLDL	
MACKINLEY BAY	ME8	69 54.40	131 09.50	84 07 21 ?	?	?	X	X GLDL	

BOTTLE/CTD DATA SET NUMBER: 84-0045  
 YEAR: 1984 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	PITSI	69 54.23	136 45.58	84 07 05 ?	?	?	X	X CTD	
TUK. SHELF	PITSI	69 54.23	136 45.58	84 07 06 ?	?	?	X	X CTD	
TUK. SHELF	PITSI	69 54.23	136 45.58	84 07 07 ?	?	?	X	X CTD	
TUK. SHELF	PITSI	69 54.23	136 45.58	84 07 08 ?	?	?	X	X CTD	
TUK. SHELF	PITSI	69 54.23	136 45.58	84 07 09 ?	?	?	X	X CTD	
TUK. SHELF	PITSI	69 54.23	136 45.58	84 07 10 ?	?	?	X	X CTD	
TUK. SHELF	PITSI	69 54.23	136 45.58	84 07 11 ?	?	?	X	X CTD	
TUK. SHELF	PITSI	69 54.23	136 45.58	84 07 12 ?	?	?	X	X CTD	
TUK. SHELF	PITSI	69 54.23	136 45.58	84 07 13 ?	?	?	X	X CTD	
TUK. SHELF	PITSI	69 54.23	136 45.58	84 07 14 ?	?	?	X	X CTD	
TUK. SHELF	PITSI	69 54.23	136 45.58	84 07 15 ?	?	?	X	X CTD	
TUK. SHELF	PITSI	69 54.23	136 45.58	84 07 16 ?	?	?	X	X CTD	
TUK. SHELF	PITSI	69 54.23	136 45.58	84 07 17 ?	?	?	X	X CTD	
TUK. SHELF	PITSI	69 54.23	136 45.58	84 07 18 ?	?	?	X	X CTD	
TUK. SHELF	AMAUL	70 03.52	133 42.75	84 08 ? ?	?	?	X	X CTD	
TUK. SHELF	AMAUL	70 03.52	133 42.75	84 09 13 ?	?	?	X	X CTD	
TUK. SHELF	AMAUL	70 03.52	133 42.75	84 09 14 ?	?	?	X	X CTD	
TUK. SHELF	AMAUL	70 03.52	133 42.75	84 09 15 ?	?	?	X	X CTD	
TUK. SHELF	AMAUL	70 03.52	133 42.75	84 09 16 ?	?	?	X	X CTD	
TUK. SHELF	AMAUL	70 03.52	133 42.75	84 09 17 ?	?	?	X	X CTD	
TUK. SHELF	AMAUL	70 03.52	133 42.75	84 09 18 ?	?	?	X	X CTD	
TUK. SHELF	AMAUL	70 03.52	133 42.75	84 09 19 ?	?	?	X	X CTD	
TUK. SHELF	AMAUL	70 03.52	133 42.75	84 09 20 ?	?	?	X	X CTD	
TUK. SHELF	AMAUL	70 03.52	133 42.75	84 09 21 ?	?	?	X	X CTD	
TUK. SHELF	AMAUL	70 03.52	133 42.75	84 09 22 ?	?	?	X	X CTD	
TUK. SHELF	AMAUL	70 03.52	133 42.75	84 09 23 ?	?	?	X	X CTD	

BOTTLE/CTD DATA SET NUMBER: 84-0047  
 YEAR: 1984 VESSEL/AGENCY: EPS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
YUKON COASTAL	K1	69 06.	137 57.	84 08 01 ?	?	?	X	X YSI	
YUKON COASTAL	K2	69 06.	137 57.	84 08 01 ?	?	?	X	X YSI	
YUKON COASTAL	K3	69 06.	137 57.	84 08 01 ?	?	?	X	X YSI	
YUKON COASTAL	K4	69 06.	137 57.	84 08 01 ?	?	?	X	X YSI	
YUKON COASTAL	K5	69 06.	137 57.	84 08 01 ?	?	?	X	X YSI	
YUKON COASTAL	K6	69 06.	137 57.	84 08 01 ?	?	?	X	X YSI	
YUKON COASTAL	K7	69 06.	137 57.	84 08 01 ?	?	?	X	X YSI	
YUKON COASTAL	K8	69 06.	137 57.	84 08 01 ?	?	?	X	X YSI	
YUKON COASTAL	S1	69 20.4	138 44.2	84 08 06 ?	?	?	X	X YSI	
YUKON COASTAL	S2	69 20.9	138 46.2	84 08 06 ?	?	?	X	X YSI	
YUKON COASTAL	S3	69 21.5	138 44.1	84 08 06 ?	?	?	X	X YSI	
YUKON COASTAL	S4	69 20.8	138 43.0	84 08 06 ?	?	?	X	X YSI	
YUKON COASTAL	S5	69 20.0	138 42.2	84 08 06 ?	?	?	X	X YSI	
YUKON COASTAL	S6	69 19.8	138 42.2	84 08 06 ?	?	?	X	X YSI	
YUKON COASTAL	S8	69 22.1	138 46.3	84 08 06 ?	?	?	X	X YSI	

BOTTLE/CTD DATA SET NUMBER: 84-0048  
 YEAR:1984 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	84 07 04 ?	?	?	X	X CT12	
BEAUFORT SEA	AIVRK	70 24.73	133 42.33	84 07 29 ?	?	?	X	X CTD	
BEAUFORT SEA	NATIA	70 03.95	137 13.12	84 09 02 ?	?	?	X	X CTD	
BEAUFORT SEA	ARLUK	90 19.38	135 26.52	84 09 09 ?	?	?	X	X CTD	
BEAUFORT SEA	SIULK	70 24.63	134 30.67	84 09 12 ?	?	?	X	X CTD	

BOTTLE/CTD DATA SET NUMBER: 84-0049  
 YEAR:1984 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
HERSCHEL CANYON	I08	70 50.0	139 30.2	84 04 01 20	?	1506	X	X CTD	
HERSCHEL CANYON	J04	70 26.4	137 40.7	84 04 01 22	505	506	X	X CTD	
HERSCHEL CANYON	J01	70 15.4	137 45.4	84 04 02 20	70	74	X	X CTD	
HERSCHEL CANYON	H11	70 00.2	137 45.3	84 04 02 22	83	87	X	X CTD	
HERSCHEL CANYON	H07	69 58.6	138 14.4	84 04 02 22	204	208	X	X CTD	
HERSCHEL CANYON	H05	70 01.1	138 35.2	84 04 02 23	263	268	X	X CTD	
HERSCHEL CANYON	J02	70 16.8	137 25.0	84 04 04 18	67	70	X	X CTD	
HERSCHEL CANYON	J03	70 19.6	137 26.7	84 04 04 18	143	148	X	X CTD	
HERSCHEL CANYON	I06	70 15.0	138 47.1	84 04 04 21	456	457	X	X CTD	
HERSCHEL CANYON	I05	70 02.9	138 35.1	84 04 04 22	285	288	X	X CTD	
HERSCHEL CANYON	K00	69 23.3	138 43.8	84 04 04 23	11	16	X	X CTD	
HERSCHEL CANYON	H02	69 56.4	139 06.0	84 04 06 18	108	110	X	X CTD	
HERSCHEL CANYON	K01	69 27.2	138 46.8	84 04 06 19	54	56	X	X CTD	
HERSCHEL CANYON	I01	69 26.3	138 01.3	84 04 06 20	51	56	X	X CTD	
M'CLURE STRAIT	B07	74 24.5	123 58.0	84 04 20 19	263	265	X	X CTD	
M'CLURE STRAIT	B08	74 30.7	123 42.0	84 04 20 20	370	372	X	X CTD	

BOTTLE/CTD DATA SET NUMBER: 85-0007  
 YEAR:1985 VESSEL/AGENCY: LGL

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE BAY	G25	69 47.1	138 24.7	85 08 23 18	50	170	X	X 4021	
MACKENZIE BAY	G24	69 43.2	138 33.1	85 08 23 19	50	?	X	X 4021	
MACKENZIE BAY	G23	69 39.2	138 41.5	85 08 23 21	50	80	X	X 4021	
MACKENZIE BAY	G22	69 36.0	138 49.9	85 08 23 22	7	11	X	X 4021	
MACKENZIE BAY	G21	69 34.7	138 50.4	85 08 23 23	5	6	X	X 4021	
MACKENZIE BAY	G20	69 36.2	138 27.1	85 08 25 19	35	130	X	X 4021	
MACKENZIE BAY	G19	69 32.0	138 35.0	85 08 25 21	30	38	X	X 4021	
MACKENZIE BAY	G18	69 28.2	138 43.6	85 08 25 23	15	16	X	X 4021	
MACKENZIE BAY	G17	69 24.1	138 51.9	85 08 26 00	7	10	X	X 4021	
MACKENZIE BAY	G16	69 23.4	138 53.2	85 08 26 00	5	7	X	X 4021	
MACKENZIE BAY	G12	69 18.6	138 21.2	85 08 26 15	9	10	X	X 4021	
MACKENZIE BAY	G11	69 17.7	138 20.9	85 08 26 16	5	6	X	X 4021	
MACKENZIE BAY	G13	69 22.5	138 12.4	85 08 27 01	50	51	X	X 4021	
MACKENZIE BAY	G15	69 30.5	137 55.7	85 08 27 19	50	56	X	X 4021	
MACKENZIE BAY	G14	69 26.5	138 04.1	85 08 27 21	50	63	X	X 4021	
MACKENZIE BAY	G6	69 06.9	138 01.2	85 08 28 19	6	7	X	X 4021	
MACKENZIE BAY	G7A	69 07.3	137 59.8	85 08 28 21	10	11	X	X 4021	
MACKENZIE BAY	G1	69 01.6	137 38.0	85 08 28 23	5	6	X	X 4021	
MACKENZIE BAY	G2	69 04.5	137 46.9	85 08 29 01	10	11	X	X 4021	
MACKENZIE BAY	F1N	69 16.3	138 16.2	85 08 29 17	20	24	X	X 4021	
MACKENZIE BAY	F15	69 16.3	138 16.2	85 08 29 17	15	18	X	X 4021	
MACKENZIE BAY	F2	69 16.5	138 11.5	85 08 29 18	30	33	X	X 4021	

MACKENZIE BAY	G7B	69 07.3	137 59.8	85 08 29 21	9	10	X	X	4021
MACKENZIE BAY	G8	69 10.8	137 49.5	85 08 29 23	25	30	X	X	4021
MACKENZIE BAY	G3	69 08.0	137 37.5	85 08 30 01	18	20	X	X	4021
MACKENZIE BAY	G4	69 12.3	137 28.7	85 08 30 14	18	20	X	X	4021
MACKENZIE BAY	G9	69 15.7	137 42.5	85 08 30 17	30	33	X	X	4021
MACKENZIE BAY	G5	69 16.1	137 20.4	85 08 30 19	20	20	X	X	4021
MACKENZIE BAY	G10	69 18.8	137 32.4	85 08 30 21	35	39	X	X	4021

BOTTLE/CTD DATA SET NUMBER: 85-0017  
 YEAR: 1985 VESSEL/AGENCY: DFO

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR T	INT NO HR
TUK. SHELF	50	69 51.0	132 31.0	85 03 24 23	?	10	X	X	?
TUK. SHELF	51	69 30.0	133 06.0	85 03 25 18	?	4	X	X	?
TUK. SHELF	52	69 40.0	132 44.0	85 03 25 20	?	4	X	X	?
TUK. SHELF	53	69 56.5	132 36.5	85 03 27 00	?	15	X	X	?
TUK. SHELF	54	69 47.5	132 30.4	85 03 27 18	?	8	X	X	?
TUK. SHELF	55	69 54.2	133 30.5	85 03 27 19	?	15	X	X	?
TUK. SHELF	56	69 48.2	133 27.2	85 03 27 20	?	9	X	X	?
TUK. SHELF	57	69 38.2	133 23.5	85 03 27 21	?	5	X	X	?
BEAUFORT SEA	01	69 46.8	133 57.5	85 05 17 ?	?	5	X	X	?
BEAUFORT SEA	02	69 49.8	134 01.2	85 05 17 ?	?	7	X	X	?
BEAUFORT SEA	03	69 59.9	134 02.3	85 05 17 ?	?	19	X	X	?
BEAUFORT SEA	04	70 00.6	132 31.7	85 05 17 ?	?	18	X	X	?
BEAUFORT SEA	05	69 49.3	132 29.3	85 05 17 ?	?	10	X	X	?
BEAUFORT SEA	06	69 45.6	132 28.8	85 05 17 ?	?	7	X	X	?
BEAUFORT SEA	07	69 29.5	136 29.8	85 05 18 ?	?	11	X	X	?
BEAUFORT SEA	08	69 29.8	137 02.3	85 05 18 ?	?	29	X	X	?
BEAUFORT SEA	09	69 16.8	137 34.5	85 05 18 ?	?	39	X	X	?
BEAUFORT SEA	10	69 10.1	137 39.9	85 05 18 ?	?	28	X	X	?
BEAUFORT SEA	11	69 06.7	137 27.9	85 05 18 ?	?	8	X	X	?
BEAUFORT SEA	12	69 08.0	137 40.6	85 05 18 20	?	17	X	X	?
BEAUFORT SEA	13	69 31.5	136 30.3	85 05 18 21	?	8	X	X	?
BEAUFORT SEA	14	69 55.1	134 00.2	85 05 18 22	?	11	X	X	?
BEAUFORT SEA	15	70 05.8	131 01.0	85 05 19 15	?	12	X	X	?
BEAUFORT SEA	16	70 00.1	131 32.4	85 05 19 16	?	15	X	X	?
BEAUFORT SEA	17	70 04.7	131 31.0	85 05 19 16	?	18	X	X	?
BEAUFORT SEA	18	69 56.9	131 30.6	85 05 19 17	?	12	X	X	?
BEAUFORT SEA	19	70 00.5	132 00.3	85 05 19 18	?	19	X	X	?
BEAUFORT SEA	20	69 53.6	132 00.1	85 05 19 18	?	10	X	X	?
BEAUFORT SEA	21	69 45.7	131 58.3	85 05 19 19	?	7	X	X	?
BEAUFORT SEA	22	69 53.4	132 29.3	85 05 19 19	?	13	X	X	?
BEAUFORT SEA	100	69 30.8	133 09.5	85 07 18 18	?	4	X	X	?
BEAUFORT SEA	103	69 37.8	133 11.2	85 07 21 16	?	6	X	X	?
BEAUFORT SEA	104	69 37.1	133 02.3	85 07 22 17	?	6	X	X	?
BEAUFORT SEA	105	69 36.5	132 59.8	85 07 22 20	?	2	X	X	?
BEAUFORT SEA	106	69 20.7	138 43.2	85 07 24 14	4	4	X	X	?
BEAUFORT SEA	108	69 25.0	138 47.9	85 07 24 20	49	53	X	X	?
BEAUFORT SEA	109	69 27.7	138 47.9	85 07 24 22	67	69	X	X	?
BEAUFORT SEA	111	69 31.6	138 59.8	85 07 25 18	14	15	X	X	?
BEAUFORT SEA	112	69 31.1	138 55.5	85 07 15 20	46	52	X	X	?
BEAUFORT SEA	113	69 28.5	138 48.8	85 07 25 23	57	64	X	X	?
BEAUFORT SEA	114	69 16.9	138 20.2	85 07 26 16	5	6	X	X	?
BEAUFORT SEA	115	69 16.2	138 16.6	85 07 26 18	14	15	X	X	?
BEAUFORT SEA	116	69 12.0	137 41.5	85 07 26 21	28	29	X	X	?
BEAUFORT SEA	117	69 18.2	137 11.9	85 07 26 00	13	15	X	X	?
BEAUFORT SEA	102	69 28.0	133 02.0	85 08 04 21	?	5	X	X	BOTT
BEAUFORT SEA	120	69 39.7	138 42.5	85 08 05 17	?	100	X	X	BOTT
BEAUFORT SEA	121	69 40.5	138 52.5	85 08 05 21	?	50	X	X	BOTT
BEAUFORT SEA	122	69 38.3	138 54.7	85 08 05 01	?	30	X	X	BOTT
BEAUFORT SEA	125	69 39.0	132 54.6	85 08 09 21	?	3	X	X	?
BEAUFORT SEA	126	69 40.3	132 56.5	85 08 10 00	?	6	X	X	?
BEAUFORT SEA	127	69 37.3	132 59.9	85 08 10 02	?	2	X	X	?
BEAUFORT SEA	128	69 37.3	133 02.0	85 08 10 04	?	6	X	X	?
BEAUFORT SEA	129	69 37.0	133 52.5	85 08 10 16	?	3	X	X	?
BEAUFORT SEA	130	69 41.9	133 41.0	85 08 10 19	?	7	X	X	?
BEAUFORT SEA	131	69 46.2	133 32.0	85 08 10 21	?	9	X	X	?
BEAUFORT SEA	132	69 46.8	134 24.2	85 08 11 00	?	4	X	X	?
BEAUFORT SEA	133	69 52.6	134 35.6	85 08 11 16	?	11	X	X	?
BEAUFORT SEA	134	69 58.1	134 36.3	85 08 11 19	?	15	X	X	?
BEAUFORT SEA	135	69 39.2	135 30.1	85 08 12 01	6	6	X	X	?
BEAUFORT SEA	136	69 37.0	135 56.4	85 08 12 17	7	7	X	X	?
BEAUFORT SEA	137	69 39.7	136 37.4	85 08 12 21	16	16	X	X	?

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BEAUFORT SEA	138	69 38.9	137 03.3	85 08 13 00	30	30	X	X	?
BEAUFORT SEA	102	69 28.1	133 01.2	85 09 02 21	?	4	X	X	?
BEAUFORT SEA	200	69 33.2	139 01.6	85 09 07 15	4	5	X	X	?
BEAUFORT SEA	201	69 31.6	138 59.8	85 09 07 17	13	14	X	X	?
BEAUFORT SEA	202	69 31.0	138 55.5	85 09 07 20	40	40	X	X	?
BEAUFORT SEA	203	69 29.5	138 49.1	85 09 07 22	57	57	X	X	?
BEAUFORT SEA	204	69 35.0	138 50.0	85 09 08 15	5	6	X	X	?
BEAUFORT SEA	205	69 35.5	138 47.4	85 09 08 19	15	16	X	X	?
BEAUFORT SEA	206	69 37.3	138 44.8	85 09 08 21	44	50	X	X	?
BEAUFORT SEA	207	69 27.8	138 47.8	85 09 09 17	54	65	X	X	?
BEAUFORT SEA	208	69 25.2	138 45.8	85 09 09 21	23	25	X	X	?
BEAUFORT SEA	209	69 22.8	138 43.4	85 09 09 22	12	12	X	X	?
BEAUFORT SEA	210	69 20.3	138 42.1	85 09 09 00	5	5	X	X	?
BEAUFORT SEA	211	69 38.1	138 35.0	85 09 10 15	123	130	X	X	?
BEAUFORT SEA	212	69 59.5	131 10.2	85 09 12 14	?	6	X	X	?
BEAUFORT SEA	213	70 04.6	131 27.2	85 09 12 16	?	15	X	X	?
BEAUFORT SEA	214	69 59.2	132 00.9	85 09 12 19	?	15	X	X	?
BEAUFORT SEA	215	69 47.4	132 01.8	85 09 12 23	?	6	X	X	?
BEAUFORT SEA	216	69 51.6	132 30.5	85 09 13 01	?	11	X	X	?
BEAUFORT SEA	217	69 39.2	132 56.2	85 09 13 05	?	6	X	X	?

BOTTLE/CTD DATA SET NUMBER: 85-0031  
 YEAR:1985 VESSEL/AGENCY: LGL

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
HERSCHEL	13	69 52.8	140 55.2	85 09 18 23	38	?	X	X CT12	

BOTTLE/CTD DATA SET NUMBER: 85-0032  
 YEAR:1985 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	71	31.3	133 21.5	85 03 ? ?	1100	1107	X	X CTD	
BEAUFORT SEA	70	42.3	136 17.1	85 03 ? ?	710	710	X	X CTD	
BEAUFORT SEA	70	37.6	136 06.5	85 03 ? ?	370	370	X	X CTD	
BEAUFORT SEA	70	27.2	135 55.4	85 03 ? ?	56	58	X	X CTD	
BEAUFORT SEA	70	13.0	135 38.0	85 03 ? ?	46	48	X	X CTD	
BEAUFORT SEA	70	30.2	140 15.0	85 03 ? ?	563	566	X	X CTD	
BEAUFORT SEA	70	16.4	140 35.4	85 03 ? ?	53	56	X	X CTD	
BEAUFORT SEA	70	10.2	140 44.4	85 03 ? ?	45	48	X	X CTD	
BEAUFORT SEA	70	03.5	140 49.7	85 03 ? ?	47	51	X	X CTD	
BEAUFORT SEA	71	25.4	131 01.4	85 03 ? ?	332	335	X	X CTD	
BEAUFORT SEA	71	22.1	130 55.0	85 03 ? ?	221	226	X	X CTD	
BEAUFORT SEA	71	17.8	130 42.0	85 03 ? ?	74	78	X	X CTD	
BEAUFORT SEA	71	10.5	130 23.4	85 03 ? ?	48	50	X	X CTD	
BEAUFORT SEA	71	02.2	130 02.8	85 03 ? ?	38	41	X	X CTD	
BEAUFORT SEA	70	42.5	133 16.5	85 03 ? ?	56	58	X	X CTD	
BEAUFORT SEA	71	41.1	134 22.4	85 03 ? ?	1397	1397	X	X CTD	
BEAUFORT SEA	70	58.9	133 22.6	85 03 ? ?	71	75	X	X CTD	
BEAUFORT SEA	71	09.7	133 41.9	85 03 ? ?	553	555	X	X CTD	

BOTTLE/CTD DATA SET NUMBER: 85-0033  
 YEAR: 1985 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	ARLUK	70 19.39	135 26.53	85 09 29 15	?	?	X	X CTD	
BEAUFORT SEA	ARLUK	70 19.39	135 26.53	85 10 02 16	?	?	X	X CTD	
BEAUFORT SEA	ARLUK	70 19.39	135 26.53	85 10 03 14	?	?	X	X CTD	
BEAUFORT SEA	ARLUK	70 19.39	135 26.53	85 10 04 15	?	?	X	X CTD	
BEAUFORT SEA	ARLUK	70 19.39	135 26.53	85 10 09 15	?	?	X	X CTD	
BEAUFORT SEA	ARLUK	70 19.39	135 26.53	85 10 10 14	?	?	X	X CTD	
BEAUFORT SEA	ADLAR	69 38.87	137 45.47	85 08 10 02	?	?	X	X CTD	
BEAUFORT SEA	ADLAR	69 38.87	137 45.47	85 08 12 02	?	?	X	X CTD	
BEAUFORT SEA	ADLAR	69 38.87	137 45.47	85 08 14 02	?	?	X	X CTD	
BEAUFORT SEA	ADLAR	69 38.87	137 45.47	85 08 17 00	?	?	X	X CTD	
BEAUFORT SEA	ADLAR	69 38.87	137 45.47	85 08 19 03	?	?	X	X CTD	
BEAUFORT SEA	ADLAR	69 38.87	137 45.47	85 08 27 17	?	?	X	X CTD	
BEAUFORT SEA	ADLAR	69 38.87	137 45.47	85 08 29 14	?	?	X	X CTD	
BEAUFORT SEA	ADLAR	69 38.87	137 45.47	85 08 31 17	?	?	X	X CTD	
BEAUFORT SEA	ADLAR	69 38.87	137 45.47	85 09 02 17	?	?	X	X CTD	
BEAUFORT SEA	ADLAR	69 38.87	137 45.47	85 09 04 16	?	?	X	X CTD	
BEAUFORT SEA	ADLAR	69 38.87	137 45.47	85 09 06 16	?	?	X	X CTD	
BEAUFORT SEA	ADLAR	69 38.87	137 45.47	85 09 23 15	?	?	X	X CTD	
BEAUFORT SEA	ADLAR	69 38.87	137 45.47	85 10 01 17	?	?	X	X CTD	
BEAUFORT SEA	ADLAR	69 38.87	137 45.47	85 10 06 02	?	?	X	X CTD	
BEAUFORT SEA	EDLOK	69 45.83	140 14.37	85 08 16 17	?	?	X	X CTD	
BEAUFORT SEA	EDLOK	69 45.83	140 14.37	85 08 18 14	?	?	X	X CTD	
BEAUFORT SEA	EDLOK	69 45.83	140 14.37	85 08 20 15	?	?	X	X CTD	
BEAUFORT SEA	EDLOK	69 45.83	140 14.37	85 08 22 17	?	?	X	X CTD	
BEAUFORT SEA	EDLOK	69 45.83	140 14.37	85 08 24 15	?	?	X	X CTD	
BEAUFORT SEA	EDLOK	69 45.83	140 14.37	85 09 19 14	?	?	X	X CTD	
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	85 08 13 05	?	?	X	X CTD	
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	85 08 29 04	?	?	X	X CTD	
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	85 08 30 03	?	?	X	X CTD	
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	85 09 03 21	?	?	X	X CTD	
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	85 09 06 01	?	?	X	X CTD	
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	85 09 07 01	?	?	X	X CTD	
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	85 09 08 01	?	?	X	X CTD	
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	85 09 09 07	?	?	X	X CTD	
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	85 09 10 21	?	?	X	X CTD	
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	85 09 12 01	?	?	X	X CTD	
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	85 09 13 18	?	?	X	X CTD	
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	85 09 15 03	?	?	X	X CTD	
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	85 09 23 22	?	?	X	X CTD	
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	85 09 26 00	?	?	X	X CTD	
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	85 09 30 14	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 08 22 17	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 08 28 17	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 08 29 08	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 08 30 13	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 08 31 20	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 02 11	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 09 15	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 10 02	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 11 04	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 12 04	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 13 02	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 13 04	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 14 02	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 14 22	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 21 02	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 22 04	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 23 01	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 24 09	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 25 21	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 26 02	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 27 19	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 28 19	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 09 29 16	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 10 01 15	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 10 02 23	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 10 03 20	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 10 04 22	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 10 05 17	?	?	X	X CTD	
BEAUFORT SEA	NERLK	70 26.68	133 19.47	85 10 07 16	?	?	X	X CTD	

BOTTLE/CTD DATA SET NUMBER: 85-0036  
 YEAR:1985 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
OFF BANKS IS.	B10	74 16.7	125 18.5	85 04 23 21	?	61	X	X CTD	
OFF BANKS IS.	B10	74 16.7	125 18.5	85 04 23 21	?	63	X	X CTD	
OFF BANKS IS.	B11	74 19.4	128 39.9	85 05 03 16	?	297	X	X CTD	
OFF BANKS IS.	B12	74 10.1	125 41.0	85 05 03 19	?	47	X	X CTD	
OFF BANKS IS.	B13	74 11.8	126 08.8	85 05 03 21	?	228	X	X CTD	
OFF BANKS IS.	B13	74 11.8	126 08.8	85 05 03 22	?	229	X	X CTD	

BOTTLE/CTD DATA SET NUMBER: 85-0037  
 YEAR:1985 VESSEL/AGENCY: GULF

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
TUK. SHELF	AKPAK	70 14.87	134 09.38	85 07 ? ?	?	?	X	X CTD	
TUK. SHELF	AKPAK	70 14.87	134 09.38	85 08 ? ?	?	?	X	X CTD	

BOTTLE/CTD DATA SET NUMBER: 86-0003  
 YEAR:1986 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	1	69 38.2	133 17.5	86 09 10 14	?	6	X	X GLDL	
BEAUFORT SEA	2	69 44.0	133 18.8	86 09 10 17	?	?	X	X AML	
BEAUFORT SEA	3	69 50.1	133 21.0	86 09 10 19	?	?	X	X GLDL	
BEAUFORT SEA	4	69 55.2	133 23.2	86 09 11 00	?	21	X	X AML	
BEAUFORT SEA	4B	69 55.2	133 23.2	86 09 11 01	?	21	X	X AML	
BEAUFORT SEA	7	70 12.8	133 33.6	86 09 11 19	?	51	X	X AML	
BEAUFORT SEA	9	70 23.2	133 46.0	86 09 11 00	?	?	X	X AML	
BEAUFORT SEA	10	70 28.9	133 52.8	86 09 12 02	?	62	X	X GLDL	
BEAUFORT SEA	11	70 33.5	133 59.6	86 09 12 05	?	60	X	X GLDL	
BEAUFORT SEA	12	70 39.0	134 06.0	86 09 12 07	?	?	X	X GLDL	
BEAUFORT SEA	13	70 44.2	134 12.0	86 09 12 08	?	?	X	X GLDL	
BEAUFORT SEA	14	70 49.2	134 18.0	86 09 12 10	?	?	X	X GLDL	
BEAUFORT SEA	15	70 54.6	134 24.8	86 09 12 11	?	?	X	X GLDL	
BEAUFORT SEA	16	70 59.6	134 31.2	86 09 12 12	?	280	X	X GLDL	
BEAUFORT SEA	17	71 04.6	134 38.0	86 09 13 03	?	1200	X	X GLDL	
BEAUFORT SEA	18	70 37.4	136 43.0	86 09 13 05	?	?	X	X GLDL	
BEAUFORT SEA	19	70 32.2	136 36.8	86 09 13 07	?	?	X	X GLDL	
BEAUFORT SEA	20	70 27.0	136 30.8	86 09 13 08	?	69	X	X GLDL	
BEAUFORT SEA	21	70 21.5	136 25.5	86 09 13 10	?	?	X	X GLDL	
BEAUFORT SEA	22	70 16.4	136 19.2	86 09 13 11	?	?	X	X GLDL	
BEAUFORT SEA	23	70 11.2	136 13.6	86 09 13 13	?	48	X	X GLDL	
BEAUFORT SEA	24	70 05.8	136 08.0	86 09 13 14	?	39	X	X GLDL	
BEAUFORT SEA	25	70 00.2	136 02.0	86 09 13 15	?	?	X	X GLDL	
BEAUFORT SEA	26	69 54.8	135 55.2	86 09 13 19	?	20	X	X GLDL	
BEAUFORT SEA	27	69 49.4	135 49.2	86 09 13 20	?	12	X	X GLDL	
BEAUFORT SEA	28	69 44.4	135 43.2	86 09 14 00	?	?	X	X GLDL	
BEAUFORT SEA	29	69 04.8	137 42.8	86 09 14 06	?	12	X	X GLDL	
BEAUFORT SEA	30	69 10.8	137 48.0	86 09 14 08	?	27	X	X GLDL	
BEAUFORT SEA	31	69 16.6	137 54.2	86 09 14 09	?	?	X	X GLDL	
BEAUFORT SEA	32	69 22.5	137 59.2	86 09 14 11	?	?	X	X GLDL	
BEAUFORT SEA	33	69 27.5	138 05.0	86 09 14 12	?	72	X	X GLDL	
BEAUFORT SEA	34	69 33.3	138 10.4	86 09 14 13	?	108	X	X GLDL	
BEAUFORT SEA	35	69 39.1	138 16.5	86 09 14 14	?	140	X	X GLDL	



BEAUFORT SEA	36	69	44.7	138	21.8	86	09	14	15	?	165	X	X	GLDL
BEAUFORT SEA	37	69	50.0	138	27.0	86	09	14	16	?	205	X	X	GLDL
BEAUFORT SEA	38	69	55.2	138	32.6	86	09	14	17	?	238	X	X	GLDL
BEAUFORT SEA	39	70	01.0	138	38.0	86	09	14	19	?	280	X	X	GLDL
BEAUFORT SEA	40	70	06.8	138	43.9	86	09	14	20	?	330	X	X	GLDL
BEAUFORT SEA	41	70	11.6	138	49.0	86	09	14	23	?	400	X	X	GLDL
BEAUFORT SEA	42	69	35.5	138	24.5	86	09	14	23	?	?	X	X	GLDL
BEAUFORT SEA	43	69	32.1	138	33.7	86	09	14	23	?	?	X	X	GLDL
BEAUFORT SEA	44	69	29.0	138	41.9	86	09	14	23	?	?	X	X	GLDL
BEAUFORT SEA	45	69	27.2	138	47.0	86	09	14	23	?	?	X	X	GLDL
BEAUFORT SEA	S1	69	46.5	133	19.7	86	09	16	00	?	10	X	X	GLDL
BEAUFORT SEA	S2	69	47.0	133	20.0	86	09	16	00	?	?	X	X	GLDL
BEAUFORT SEA	S3	69	48.0	133	20.1	86	09	16	01	?	?	X	X	GLDL
BEAUFORT SEA	S4	69	48.8	133	20.4	86	09	16	01	?	?	X	X	GLDL
BEAUFORT SEA	S5	69	49.2	133	20.5	86	09	16	01	?	12	X	X	GLDL
BEAUFORT SEA	S6	69	49.8	133	20.6	86	09	16	01	?	12	X	X	GLDL
BEAUFORT SEA	S7	69	50.5	133	21.0	86	09	16	01	?	13	X	X	GLDL
BEAUFORT SEA	S8	69	51.3	133	21.1	86	09	16	02	?	14	X	X	GLDL
BEAUFORT SEA	S9	69	51.9	133	21.2	86	09	16	02	?	15	X	X	GLDL
BEAUFORT SEA	S10	69	52.6	133	21.4	86	09	16	02	?	16	X	X	GLDL
BEAUFORT SEA	S11	69	53.3	133	21.6	86	09	16	02	?	17	X	X	GLDL
BEAUFORT SEA	S12	69	54.2	133	21.8	86	09	16	02	?	18	X	X	GLDL
BEAUFORT SEA	S13	69	54.9	133	21.9	86	09	16	03	?	21	X	X	GLDL
BEAUFORT SEA	S14	69	55.6	133	22.0	86	09	16	03	?	22	X	X	GLDL
BEAUFORT SEA	S15	69	56.4	133	22.4	86	09	16	03	?	22	X	X	GLDL
BEAUFORT SEA	S16	69	56.9	133	22.8	86	09	16	03	?	24	X	X	GLDL
BEAUFORT SEA	S17	69	57.4	133	23.0	86	09	16	03	?	26	X	X	GLDL
BEAUFORT SEA	S18	69	58.5	133	23.5	86	09	16	04	?	28	X	X	GLDL
BEAUFORT SEA	S19	69	59.8	133	24.0	86	09	16	04	?	29	X	X	GLDL
BEAUFORT SEA	S20	70	01.3	133	24.8	86	09	16	04	?	29	X	X	GLDL
BEAUFORT SEA	S21	70	07.5	132	25.0	86	09	16	07	?	28	X	X	GLDL
BEAUFORT SEA	S22	70	06.8	132	22.1	86	09	16	07	?	29	X	X	GLDL
BEAUFORT SEA	S23	70	05.6	132	24.4	86	09	16	07	?	27	X	X	GLDL
BEAUFORT SEA	S24	70	04.5	132	23.5	86	09	16	08	?	25	X	X	GLDL
BEAUFORT SEA	S25	70	02.8	132	23.0	86	09	16	08	?	23	X	X	GLDL
BEAUFORT SEA	S26	70	01.3	132	22.7	86	09	16	08	?	20	X	X	GLDL
BEAUFORT SEA	S27	69	59.7	132	23.3	86	09	16	09	?	19	X	X	GLDL
BEAUFORT SEA	S28	69	58.6	132	22.6	86	09	16	09	?	17	X	X	GLDL
BEAUFORT SEA	S29	69	56.8	132	22.0	86	09	16	09	?	16	X	X	GLDL
BEAUFORT SEA	S30	69	55.4	132	21.4	86	09	16	09	?	14	X	X	GLDL
BEAUFORT SEA	S31	69	53.9	132	21.0	86	09	16	10	?	12	X	X	GLDL
BEAUFORT SEA	S32	69	52.8	132	21.0	86	09	16	10	?	16	X	X	GLDL

BOTTLE/CTD DATA SET NUMBER: 86-0004  
YEAR: 1986 VESSEL/AGENCY: LGL

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
MACKENZIE BAY	51	69 59.0	131 26.6	86 08 28 14	9	10		ST12	
MACKENZIE BAY	51A	70 02.0	131 26.6	86 08 29 14	13	?		ST12	
MACKENZIE BAY	51B	70 05.0	131 26.6	86 08 29 15	15	?		ST12	
MACKENZIE BAY	52	70 09.0	131 26.6	86 08 29 16	19	?		ST12	
MACKENZIE BAY	52A	70 12.0	131 26.6	86 08 29 18	22	?		ST12	
MACKENZIE BAY	52B	70 15.0	131 26.6	86 08 29 18	26	?		ST12	
MACKENZIE BAY	53A	70 22.0	131 26.6	86 08 29 22	37	?		ST12	
MACKENZIE BAY	53B	70 25.0	131 26.6	86 08 29 23	37	?		ST12	
MACKENZIE BAY	53	70 19.0	131 26.6	86 08 29 23	28	?		ST12	
MACKENZIE BAY	54	70 29.0	131 26.6	86 08 29 23	34	?		ST12	
MACKENZIE BAY	54A	70 32.0	131 26.6	86 08 30 01	35	?		ST12	
MACKENZIE BAY	54B	70 35.0	131 26.6	86 08 30 02	38	?		ST12	
MACKENZIE BAY	54C	70 38.0	131 26.6	86 08 30 03	42	?		ST12	
MACKENZIE BAY	54D	70 41.0	131 26.6	86 08 30 03	42	?		ST12	
MACKENZIE BAY	54E	70 44.0	131 26.6	86 08 30 03	43	?		ST12	
MACKENZIE BAY	55	70 49.0	131 26.6	86 08 30 04	49	49		ST12	
MACKENZIE BAY	60	70 42.3	132 52.5	86 08 30 12	49	?		ST12	
MACKENZIE BAY	59E	70 37.0	132 52.5	86 08 30 14	39	?		ST12	
MACKENZIE BAY	59D	70 34.0	132 52.5	86 08 30 14	36	?		ST12	
MACKENZIE BAY	59C	70 31.0	132 52.5	86 08 30 15	36	?		ST12	
MACKENZIE BAY	59B	70 28.0	132 52.5	86 08 30 17	39	?		ST12	
MACKENZIE BAY	59A	70 25.0	132 52.5	86 08 30 17	37	?		ST12	
MACKENZIE BAY	59	70 22.3	132 52.5	86 08 30 18	30	?		ST12	
MACKENZIE BAY	58B	70 19.0	132 52.5	86 08 30 18	36	?		ST12	
MACKENZIE BAY	58A	70 15.6	132 52.5	86 08 30 21	33	?	X	X	ST12
MACKENZIE BAY	58	70 12.3	132 52.5	86 08 30 21	28	?	X	X	ST12

MACKENZIE	BAY	57B	70	08.3	132	52.5	86	08	30	22	25	?	X	X	ST12
MACKENZIE	BAY	57A	70	05.3	132	52.5	86	08	31	00	27	?	X	X	ST12
MACKENZIE	BAY	57	70	02.3	132	52.5	86	08	31	01	23	?	X	X	ST12
MACKENZIE	BAY	56B	69	58.3	132	52.5	86	08	31	01	16	?	X	X	ST12
MACKENZIE	BAY	56A	69	55.3	132	52.5	86	08	31	03	10	?	X	X	ST12
MACKENZIE	BAY	56	69	52.3	132	52.5	86	08	31	03	11	11	X	X	ST12
MACKENZIE	BAY	61	69	53.4	133	58.0	86	08	31	18	9	10	X	X	ST12
MACKENZIE	BAY	61A	69	56.4	133	58.0	86	08	31	19	15	?	X	X	ST12
MACKENZIE	BAY	62	70	03.4	133	58.0	86	08	31	20	23	?	X	X	ST12
MACKENZIE	BAY	61B	69	59.4	133	58.0	86	08	31	20	19	?	X	X	ST12
MACKENZIE	BAY	62A	70	06.4	133	58.0	86	08	31	22	23	?	X	X	ST12
MACKENZIE	BAY	62B	70	09.4	133	58.0	86	08	31	22	28	?	X	X	ST12
MACKENZIE	BAY	63	70	13.4	133	58.0	86	08	31	23	35	?	X	X	ST12
MACKENZIE	BAY	63A	70	16.4	133	58.0	86	09	01	00	38	?	X	X	ST12
MACKENZIE	BAY	63B	70	19.4	133	58.0	86	09	01	01	43	?	X	X	ST12
MACKENZIE	BAY	64	70	23.4	133	58.0	86	09	01	01	51	?	X	X	ST12
MACKENZIE	BAY	64A	70	26.4	133	58.0	86	09	01	02	55	?	X	X	ST12
MACKENZIE	BAY	64B	70	29.4	133	58.0	86	09	01	04	58	?	X	X	ST12
MACKENZIE	BAY	64C	70	32.4	133	58.0	86	09	01	04	52	?	X	X	ST12
MACKENZIE	BAY	64D	70	35.4	133	58.0	86	09	01	05	61	?	X	X	ST12
MACKENZIE	BAY	64E	70	38.4	133	58.0	86	09	01	05	64	?	X	X	ST12
MACKENZIE	BAY	65	70	43.4	133	58.0	86	09	01	06	55	62	X	X	ST12
MACKENZIE	BAY	70	70	40.3	134	50.0	86	09	01	15	55	58	X	X	ST12
MACKENZIE	BAY	69E	70	35.3	134	50.0	86	09	01	15	58	?	X	X	ST12
MACKENZIE	BAY	69D	70	32.3	134	50.0	86	09	01	17	58	?	X	X	ST12
MACKENZIE	BAY	69C	70	29.3	134	50.0	86	09	01	18	52	?	X	X	ST12
MACKENZIE	BAY	69B	70	26.3	134	50.0	86	09	01	19	54	?	X	X	ST12
MACKENZIE	BAY	69A	70	23.3	134	50.0	86	09	01	20	50	?	X	X	ST12
MACKENZIE	BAY	69	70	20.3	134	50.0	86	09	01	20	41	?	X	X	ST12
MACKENZIE	BAY	68B	70	16.3	134	50.0	86	09	01	21	39	?	X	X	ST12
MACKENZIE	BAY	68A	70	13.3	134	50.0	86	09	01	22	38	?	X	X	ST12
MACKENZIE	BAY	68	70	10.3	134	50.0	86	09	01	23	36	?	X	X	ST12
MACKENZIE	BAY	67B	70	06.3	134	50.0	86	09	01	23	30	?	X	X	ST12
MACKENZIE	BAY	67A	70	03.3	134	50.0	86	09	02	01	28	?	X	X	ST12
MACKENZIE	BAY	67	70	00.3	134	50.0	86	09	02	02	21	?	X	X	ST12
MACKENZIE	BAY	66B	69	56.3	134	50.0	86	09	02	03	14	?	X	X	ST12
MACKENZIE	BAY	66A	69	53.3	134	50.0	86	09	02	03	5	?	X	X	ST12
MACKENZIE	BAY	66	69	50.3	134	50.0	86	09	02	04	7	10	X	X	ST12
MACKENZIE	BAY	76	70	13.7	130	46.1	86	09	03	01	11	11	X	X	ST12
MACKENZIE	BAY	76A	70	16.7	130	46.1	86	09	03	01	19	?	X	X	ST12
MACKENZIE	BAY	76B	70	19.7	130	46.1	86	09	03	05	13	?	X	X	ST12
MACKENZIE	BAY	77	70	23.7	130	46.1	86	09	03	05	19	?	X	X	ST12
MACKENZIE	BAY	772	70	23.7	130	46.1	86	09	03	12	19	?	X	X	ST12
MACKENZIE	BAY	77A1	70	26.7	130	46.1	86	09	03	13	22	?	X	X	ST12
MACKENZIE	BAY	77B	70	29.7	130	46.1	86	09	03	14	22	?	X	X	ST12
MACKENZIE	BAY	78	70	33.7	130	46.1	86	09	03	14	25	?	X	X	ST12
MACKENZIE	BAY	78A	70	36.7	130	46.1	86	09	03	15	30	?	X	X	ST12
MACKENZIE	BAY	78B	70	39.7	130	46.1	86	09	03	17	33	?	X	X	ST12
MACKENZIE	BAY	79	70	43.7	130	46.1	86	09	03	18	34	?	X	X	ST12
MACKENZIE	BAY	79A	70	47.0	130	46.1	86	09	03	18	37	?	X	X	ST12
MACKENZIE	BAY	79B	70	50.5	130	46.1	86	09	03	21	37	?	X	X	ST12
MACKENZIE	BAY	79C	70	53.8	130	46.1	86	09	03	22	44	?	X	X	ST12
MACKENZIE	BAY	79D	70	57.3	130	46.1	86	09	03	22	41	46	X	X	ST12
MACKENZIE	BAY	81	70	53.3	130	56.0	86	09	04	02	41	44	X	X	ST12
MACKENZIE	BAY	82	70	52.8	131	06.5	86	09	04	03	49	?	X	X	ST12
MACKENZIE	BAY	83	70	52.0	131	18.5	86	09	04	04	49	?	X	X	ST12
MACKENZIE	BAY	84	70	51.3	131	30.0	86	09	04	04	51	?	X	X	ST12
MACKENZIE	BAY	85	70	50.6	131	43.0	86	09	04	05	51	?	X	X	ST12
MACKENZIE	BAY	86	70	50.0	131	54.5	86	09	04	06	54	?	X	X	ST12
MACKENZIE	BAY	87	70	49.5	132	06.2	86	09	04	06	54	?	X	X	ST12
MACKENZIE	BAY	88	70	49.4	132	16.2	86	09	04	07	57	?	X	X	ST12
MACKENZIE	BAY	89	70	48.9	132	31.0	86	09	04	08	57	?	X	X	ST12
MACKENZIE	BAY	90	70	48.3	132	42.5	86	09	04	09	57	?	X	X	ST12
MACKENZIE	BAY	91	70	47.4	132	54.3	86	09	04	09	54	?	X	X	ST12
MACKENZIE	BAY	92	70	47.1	133	04.0	86	09	04	10	54	?	X	X	ST12
MACKENZIE	BAY	93	70	46.1	133	16.3	86	09	04	11	59	?	X	X	ST12
MACKENZIE	BAY	94	70	45.5	133	28.1	86	09	04	12	67	?	X	X	ST12
MACKENZIE	BAY	95	70	44.3	133	46.1	86	09	04	13	69	?	X	X	ST12
MACKENZIE	BAY	96	70	43.7	133	53.0	86	09	04	14	67	67	X	X	ST12
MACKENZIE	BAY	65-2	70	43.4	133	58.0	86	09	04	14	67	67	X	X	ST12
MACKENZIE	BAY	64E-2	70	38.4	133	58.0	86	09	04	18	61	?	X	X	ST12
MACKENZIE	BAY	64D-2	70	35.4	133	58.0	86	09	04	19	60	?	X	X	ST12
MACKENZIE	BAY	64C-2	70	32.4	133	58.0	86	09	04	19	55	?	X	X	ST12
MACKENZIE	BAY	64B-2	70	29.4	133	58.0	86	09	04	19	54	?	X	X	ST12
MACKENZIE	BAY	64A-2	70	26.4	133	58.0	86	09	04	20	52	?	X	X	ST12
MACKENZIE	BAY	64-2	70	23.4	133	58.0	86	09	04	20	50	?	X	X	ST12
MACKENZIE	BAY	63B-2	70	19.4	133	58.0	86	09	04	21	31	?	X	X	ST12
MACKENZIE	BAY	63A-2	70	16.4	133	58.0	86	09	05	00	43	?	X	X	ST12
MACKENZIE	BAY	63-2	70	13.4	133	58.0	86	09	05	00	40	?	X	X	ST12
MACKENZIE	BAY	62B-2	70	09.4	133	58.0	86	09	05	01	32	?	X	X	ST12
MACKENZIE	BAY	62A-2	70	06.4	133	58.0	86	09	05	03	27	?	X	X	ST12
MACKENZIE	BAY	62-2	70	03.4	133	58.0	86	09	05	03	23	?	X	X	ST12
MACKENZIE	BAY	61B-2	69	59.4	133	58.0	86	09	05	04	18	?	X	X	ST12

MACKENZIE BAY	61A-2	69	56.4	133	58.0	86	09	05	06	12	?	X	X	ST12
MACKENZIE BAY	61-2	69	53.4	133	58.0	86	09	05	06	10	11	X	X	ST12
MACKENZIE BAY	97	69	51.4	134	25.9	86	09	05	07	11	?	X	X	ST12
MACKENZIE BAY	30	69	31.8	136	46.1	86	09	05	15	13	13	X	X	ST12
MACKENZIE BAY	5C	69	27.9	136	54.6	86	09	05	18	13	?	X	X	ST12
MACKENZIE BAY	5B	69	24.0	137	03.2	86	09	05	18	16	?	X	X	ST12
MACKENZIE BAY	5A	69	20.1	137	11.8	86	09	05	19	17	?	X	X	ST12
MACKENZIE BAY	5	69	16.1	137	20.4	86	09	05	19	22	?	X	X	ST12
MACKENZIE BAY	4A	69	14.2	137	24.6	86	09	05	20	22	?	X	X	ST12
MACKENZIE BAY	4	69	12.3	137	28.7	86	09	05	21	19	?	X	X	ST12
MACKENZIE BAY	3A	69	10.1	137	33.1	86	09	05	22	21	?	X	X	ST12
MACKENZIE BAY	3	69	08.0	137	37.5	86	09	06	00	20	?	X	X	ST12
MACKENZIE BAY	2A	69	06.3	137	42.2	86	09	06	00	19	?	X	X	ST12
MACKENZIE BAY	2	69	04.5	137	46.9	86	09	06	02	11	14	X	X	ST12
MACKENZIE BAY	7	69	07.9	137	58.3	86	09	06	06	20	22	X	X	ST12
MACKENZIE BAY	7A	69	09.1	137	55.2	86	09	06	07	30	?	X	X	ST12
MACKENZIE BAY	8	69	10.8	137	49.5	86	09	06	07	31	?	X	X	ST12
MACKENZIE BAY	8A	69	13.2	137	46.0	86	09	06	07	32	?	X	X	ST12
MACKENZIE BAY	9	69	15.7	137	42.5	86	09	06	08	31	?	X	X	ST12
MACKENZIE BAY	9A	69	17.2	137	37.4	86	09	06	08	34	?	X	X	ST12
MACKENZIE BAY	10	69	18.8	137	32.4	86	09	06	09	34	?	X	X	ST12
MACKENZIE BAY	10A	69	22.6	137	24.6	86	09	06	09	39	?	X	X	ST12
MACKENZIE BAY	10B	69	26.5	137	16.9	86	09	06	10	33	?	X	X	ST12
MACKENZIE BAY	10C	69	30.4	137	09.1	86	09	06	10	26	?	X	X	ST12
MACKENZIE BAY	31	69	34.3	136	58.6	86	09	06	11	22	22	X	X	ST12
MACKENZIE BAY	103	69	37.2	137	04.2	86	09	06	12	29	?	X	X	ST12
MACKENZIE BAY	104	69	40.1	137	09.8	86	09	06	12	41	?	X	X	ST12
MACKENZIE BAY	105	69	43.0	137	15.4	86	09	06	13	47	?	X	X	ST12
MACKENZIE BAY	32	69	46.0	137	21.0	86	09	06	13	51	70	X	X	ST12
MACKENZIE BAY	15C	69	47.1	137	29.6	86	09	06	16	56	?	X	X	ST12
MACKENZIE BAY	15B	69	34.3	137	47.0	86	09	06	17	58	?	X	X	ST12
MACKENZIE BAY	15	69	30.5	137	55.7	86	09	06	18	51	?	X	X	ST12
MACKENZIE BAY	14A	69	28.5	137	59.9	86	09	06	19	63	?	X	X	ST12
MACKENZIE BAY	14	69	26.5	138	04.1	86	09	06	21	63	?	X	X	ST12
MACKENZIE BAY	13A	69	24.5	138	08.2	86	09	07	00	58	?	X	X	ST12
MACKENZIE BAY	13	69	22.5	138	12.4	86	09	07	00	48	?	X	X	ST12
MACKENZIE BAY	12A	69	20.3	138	17.0	86	09	07	00	36	?	X	X	ST12
MACKENZIE BAY	12	69	19.2	138	20.0	86	09	07	03	22	22	X	X	ST12
MACKENZIE BAY	106	69	23.5	138	26.2	86	09	07	03	24	?	X	X	ST12
MACKENZIE BAY	108	69	24.8	138	44.0	86	09	07	07	22	?	X	X	ST12
MACKENZIE BAY	17	69	24.1	138	51.9	86	09	07	08	10	20	X	X	ST12
MACKENZIE BAY	17A	69	26.1	138	47.4	86	09	07	08	35	?	X	X	ST12
MACKENZIE BAY	18	69	28.2	138	43.6	86	09	07	09	16	?	X	X	ST12
MACKENZIE BAY	18A	69	30.1	138	39.3	86	09	07	09	16	?	X	X	ST12
MACKENZIE BAY	19	69	32.0	138	35.0	86	09	07	09	47	?	X	X	ST12
MACKENZIE BAY	19A	69	34.1	138	31.0	86	09	07	10	74	?	X	X	ST12
MACKENZIE BAY	20	69	36.2	138	27.1	86	09	07	10	103	?	X	X	ST12
MACKENZIE BAY	20A	69	40.0	138	18.3	86	09	07	10	109	?	X	X	ST12
MACKENZIE BAY	20B	69	43.7	138	09.6	86	09	07	11	106	?	X	X	ST12
MACKENZIE BAY	20C	69	47.4	138	00.8	86	09	07	12	106	?	X	X	ST12
MACKENZIE BAY	33	69	51.2	137	52.0	86	09	07	13	105	112	X	X	ST12
MACKENZIE BAY	109	69	56.7	137	51.0	86	09	07	13	103	118	X	X	ST12
MACKENZIE BAY	34	70	02.3	137	50.0	86	09	07	15	104	140	X	X	ST12
MACKENZIE BAY	25C	69	58.5	137	58.6	86	09	07	16	97	?	X	X	ST12
MACKENZIE BAY	25B	69	54.7	138	07.3	86	09	07	17	101	?	X	X	ST12
MACKENZIE BAY	25A	69	50.9	138	16.0	86	09	07	18	101	?	X	X	ST12
MACKENZIE BAY	25	69	47.1	138	24.7	86	09	07	18	102	?	X	X	ST12
MACKENZIE BAY	24A	69	45.1	138	28.9	86	09	07	19	104	?	X	X	ST12
MACKENZIE BAY	24	69	43.2	138	33.1	86	09	07	23	105	?	X	X	ST12
MACKENZIE BAY	23A	69	41.0	138	37.3	86	09	07	23	101	?	X	X	ST12
MACKENZIE BAY	23	69	39.2	138	41.5	86	09	08	01	103	?	X	X	ST12
MACKENZIE BAY	22A	69	37.6	138	45.7	86	09	08	04	47	?	X	X	ST12
MACKENZIE BAY	22	69	36.0	138	49.9	86	09	08	04	13	13	X	X	ST12
MACKENZIE BAY	201	69	25.1	136	40.3	86	09	08	19	14	?	X	X	ST12
MACKENZIE BAY	202	69	25.1	136	26.4	86	09	08	20	11	?	X	X	ST12
MACKENZIE BAY	203	69	37.7	136	34.4	86	09	08	20	13	13	X	X	ST12
MACKENZIE BAY	204	69	36.3	136	30.0	86	09	08	21	11	11	X	X	ST12

BOTTLE/CTD DATA SET NUMBER: 86-0008  
YEAR: 1986 VESSEL/AGENCY: LGL

AREA	STN	LAT DEG MIN	LOX DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
HERSCHEL	1	69 35.7	139 31.6	86 09 04 17	15	17	X	X	CT12

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HERSCHEL	2A	69 35.2	139 27.9	86 09 04 20	13	15	X	X	CT12
HERSCHEL	3B	69 37.7	139 27.3	86 09 04 21	11	24	X	X	CT12
HERSCHEL	4C	69 38.9	139 28.5	86 09 04 21	8	25	X	X	CT12
HERSCHEL	2	69 40.3	139 28.4	86 09 04 22	7	25	X	X	CT12
HERSCHEL	10	69 38.1	140 49.4	86 09 07 17	7	12	X	X	CT12
HERSCHEL	11	69 38.7	140 52.4	86 09 07 19	14	15	X	X	CT12
HERSCHEL	T4-3	69 55.0	140 55.8	86 09 10 19	28	43	X	X	CT12
HERSCHEL	T4-4	70 07.1	140 52.6	86 09 11 00	21	53	X	X	CT12
HERSCHEL	T4-5	70 17.8	140 34.2	86 09 11 20	10	180	X	X	CT12

BOTTLE/CTD DATA SET NUMBER: 86-0010  
 YEAR:1986 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
BEAUFORT SEA	70	41.8	136 13.2	86 04 ? ?	600	600	X	X	CTD
BEAUFORT SEA	70	31.2	136 02.6	86 04 ? ?	66	68	X	X	CTD
BEAUFORT SEA	70	13.1	135 33.5	86 04 ? ?	49	52	X	X	CTD
BEAUFORT SEA	69	53.4	135 09.1	86 04 ? ?	18	20	X	X	CTD
BEAUFORT SEA	71	38.4	131 30.8	86 04 ? ?	860	860	X	X	CTD
BEAUFORT SEA	71	24.3	130 59.7	86 04 ? ?	300	300	X	X	CTD
BEAUFORT SEA	71	11.6	130 29.1	86 04 ? ?	53	56	X	X	CTD
BEAUFORT SEA	70	50.6	129 44.5	86 04 ? ?	26	28	X	X	CTD
BEAUFORT SEA	70	29.8	129 01.4	86 04 ? ?	10	13	X	X	CTD
BEAUFORT SEA	70	49.1	139 46.5	86 04 ? ?	1530	1700	X	X	CTD
BEAUFORT SEA	70	23.9	140 23.0	86 04 ? ?	415	415	X	X	CTD
BEAUFORT SEA	70	16.0	140 35.4	86 04 ? ?	54	59	X	X	CTD
BEAUFORT SEA	70	05.6	140 52.5	86 04 ? ?	49	53	X	X	CTD
BEAUFORT SEA	69	57.8	139 37.1	86 04 ? ?	47	52	X	X	CTD
BEAUFORT SEA	71	45.6	134 23.3	86 04 ? ?	1495	1600	X	X	CTD
BEAUFORT SEA	71	10.5	133 37.5	86 04 ? ?	650	650	X	X	CTD
BEAUFORT SEA	70	57.5	133 24.5	86 04 ? ?	76	78	X	X	CTD
BEAUFORT SEA	69	54.0	133 26.9	86 04 ? ?	17	19	X	X	CTD
BEAUFORT SEA	70	48.8	139 44.0	86 04 ? ?	1490	1650	X	X	CTD
BEAUFORT SEA	70	43.3	133 11.8	86 04 ? ?	50	52	X	X	CTD
BEAUFORT SEA	70	23.2	133 42.3	86 04 ? ?	58	60	X	X	CTD

## 11.2 CURRENT-METER DATA

The listings contain the following information:

AREA	General area of station.
STN	Station number; wherever possible it is the station number assigned in the original data source. Multiple meters are differentiated as 1.1, 1.2, 1.3, for example.
LAT, LONG	In degrees and minutes.
START/STOP	Year, month and day instrument recorded over. If the data represent a single current profile, then the start and stop dates will be the same.
EFF LEN	Effective record length, days of both speed and direction data. May be blank if not obvious from the available documentation.
DT (MN)	Sampling rate in minutes.
DEPTHS-INSTR/WATER	Instrument and water depth, in metres.
INSTR TYPE	<p>Instrument type:</p> <p>AAND - Aanderaa RCM-4 or RCM-5</p> <p>AMF - AMF vector averaging</p> <p>BEND - Bendix</p> <p>BR - Braincon</p> <p>CMDR - CMDR (modified to record on Aanderaa-type tape)</p> <p>CUSH - Cushing electromagnetic</p> <p>DOWS - Dows - Deep Ocean Work System vector-measuring</p> <p>ENDE - Endeco</p> <p>GEOD - Geodyne</p> <p>GO - General Oceanics</p> <p>HYDR - Hydrowerstaten</p> <p>HYPR - Hydro Products (Savonius rotor/vane)</p> <p>HYTC - Hytech</p> <p>MARA - Marine Advisors</p> <p>M-MC - Marsh McBirney electromagnetic</p> <p>NEYR - Neyrpic CM</p> <p>NB - Neil Brown acoustic</p> <p>OSS4 - Ocean Systems model S4 electromagnetic</p> <p>RICH - Richardson</p> <p>SETR - Sea-Track</p>
ADDIT SENSOR	<p>Other parameters measured - pressure, temperature, conductivity. Each measurement is qualified by one of the following:</p> <p>X - measurements of this parameter were made</p>

Blank entries indicate unavailable or inapplicable data.

? indicates information not in our data base, but often available in the reference cited in section 10.3.

CURRENT METER DATA SET NUMBER: 70-0001  
YEAR:1970 VESSEL/AGENCY: AIDJEX

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
CANADA BASIN		72 00.	144 00.	70 03 12 70	? ?	? ?	10	? ?	
CANADA BASIN		72 00.	144 00.	70 03 12 70	? ?	? ?	40	? ?	
CANADA BASIN		72 00.	144 00.	70 03 12 70	? ?	? ?	150	? ?	
CANADA BASIN		72 00.	144 00.	70 03 12 70	? ?	? ?	500	? ?	
CANADA BASIN		72 30.	135 00.	70 03 12 70	? ?	? ?	10	? BR	
CANADA BASIN		72 30.	135 00.	70 03 12 70	? ?	? ?	40	? ?	
CANADA BASIN		72 30.	135 00.	70 03 12 70	? ?	? ?	150	? ?	
CANADA BASIN		72 30.	135 00.	70 03 12 70	? ?	? ?	500	? ?	

CURRENT METER DATA SET NUMBER: 70-0003  
YEAR:1970 VESSEL/AGENCY: RICHARDSON,BIO

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	1 69	39.49	133 40.00	70 07 16	70 07 17	2 60	1	6 HYPR	
TUK. SHELF	2 69	51.69	134 22.69	70 07 24	70 07 25	2 60	1	9 HYPR	

CURRENT METER DATA SET NUMBER: 70-0005  
YEAR:1970 VESSEL/AGENCY: OSI

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
HERSCHEL IS.	1 69	30.	138 40.	70 ? ?	70 ? ?	? 15	3	16 GEOD	
HERSCHEL IS.	1 69	30.	138 40.	70 ? ?	70 ? ?	? 15	12	16 GEOD	
MACKENZIE BAY	2 69	20.	138 16.	70 ? ?	70 ? ?	? 15	3	39 GEOD	
MACKENZIE BAY	2 69	20.	138 16.	70 ? ?	70 ? ?	? 15	33	39 GEOD	
KUGMALLIT BAY	9 69	42.	133 18.	70 04 02	70 05 04	? 15	4	7 GEOD	
FRANKLIN BAY	19 69	37.	125 49.	70 ? ?	70 ? ?	? 15	5	22 GEOD	
FRANKLIN BAY	19 69	37.	125 49.	70 ? ?	70 ? ?	? 15	17	22 GEOD	

CURRENT METER DATA SET NUMBER: 71-0003  
YEAR:1971 VESSEL/AGENCY: AIDJEX

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
CANADA BASIN	74 04.	131 23.	71 03 16	71 04 01	? 10	50	? AAND		
CANADA BASIN	74 04.	131 23.	71 03 16	71 04 01	? 20	10	? BR		
CANADA BASIN	74 04.	131 23.	71 03 17	71 04 01	? 20	10	? BR		
CANADA BASIN	74 04.	131 23.	71 03 17	71 04 01	? 20	150	? BR		
CANADA BASIN	74 04.	131 23.	71 03 17	71 04 02	? 20	300	? BR		
CANADA BASIN	74 04.	131 23.	71 03 21	71 04 07	? ?	5	? ?		
CANADA BASIN	74 04.	131 23.	71 03 21	71 04 07	? ?	7	? ?		
CANADA BASIN	74 04.	131 23.	71 03 21	71 04 07	? ?	11	? ?		
CANADA BASIN	74 04.	131 23.	71 03 21	71 04 07	? ?	19	? ?		

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CAIADA BASIN	74 04.	131 23.	71 03 21	71 04 07	?	?	32	?	?
CANADA BASIN	74 04.	131 23.	71 03 21	71 04 07	?	?	75	?	?

CURRENT METER DATA SET NUMBER: 73-0001  
YEAR:1973 VESSEL/AGENCY: SLANEY

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
MACKENZIE BAY	1	69 37.2	134 40.0	73 03 20	73 03 21	?	?	?	?
MACKENZIE BAY	2	69 37.0	134 40.6	73 03 21	73 03 21	?	?	?	?
MACKENZIE BAY	3	69 37.2	134 41.2	73 03 21	73 03 21	?	?	?	?
MACKENZIE BAY	SS	69 37.5	134 41.0	73 03 21	73 03 21	?	?	?	?
MACKENZIE BAY	5D	69 36.9	134 35.0	73 03 21	73 03 21	?	?	?	?
MACKENZIE BAY	6C	69 39.5	134 43.5	73 03 20	73 03 20	?	?	?	?
MACKENZIE BAY	7B	69 35.7	134 33.2	73 03 21	73 03 21	?	?	?	?

CURRENT METER DATA SET NUMBER: 74-0001  
YEAR:1974 VESSEL/AGENCY: SLANEY

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
MACKENZIE BAY	801	69 36.5	134 39.9	74 04 14	74 04 14	?	?	?	HYPR

CURRENT METER DATA SET NUMBER: 74-0003  
YEAR:1974 VESSEL/AGENCY: ARCTICUS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
MACKENZIE BAY	16	69 37.0	135 10.4	74 07 15	74 07 15	?	?	?	HYPR
MACKENZIE BAY	15	69 31.2	134 56.3	74 07 15	74 07 15	?	?	?	HYPR
MACKENZIE BAY	14	69 34.1	134 37.7	74 07 15	74 07 15	?	?	?	HYPR
MACKENZIE BAY	1	70 01.	134 38.	74 07 21	74 07 21	?	?	?	HYPR
MACKENZIE BAY	8	69 32.9	135 56.9	74 07 21	74 07 21	?	?	?	HYPR
MACKENZIE BAY	10	69 32.2	135 44.3	74 07 21	74 07 21	?	?	?	HYPR
MACKENZIE BAY	18	69 33.8	135 23.5	74 07 21	74 07 21	?	?	?	HYPR
MACKENZIE BAY	16	69 37.0	135 10.4	74 07 21	74 07 21	?	?	?	HYPR
MACKENZIE BAY	13	69 35.9	134 48.7	74 07 22	74 07 22	?	?	?	HYPR
MACKENZIE BAY	14	69 34.1	134 37.7	74 07 22	74 07 22	?	?	?	HYPR
MACKENZIE BAY	15	69 31.2	134 56.3	74 07 22	74 07 22	?	?	?	HYPR
MACKENZIE BAY	56	69 20.2	135 47.2	74 07 23	74 07 23	?	?	?	HYPR
MACKENZIE BAY	24	69 38.6	135 32.2	74 08 05	74 08 05	?	?	?	HYPR
MACKENZIE BAY	17	69 40.0	135 12.8	74 08 05	74 08 05	?	?	?	HYPR
MACKENZIE BAY	16	69 37.0	135 10.4	74 08 05	74 08 05	?	?	?	HYPR
MACKENZIE BAY	18	69 33.8	135 23.5	74 08 06	74 08 06	?	?	?	HYPR
MACKENZIE BAY	14	69 34.1	134 37.7	74 08 06	74 08 06	?	?	?	HYPR
MACKENZIE BAY	15	69 31.2	134 56.3	74 08 06	74 08 06	?	?	?	HYPR
MACKENZIE BAY	13	69 35.9	134 48.7	74 08 07	74 08 07	?	?	?	HYPR
MACKENZIE BAY	56	69 20.2	135 47.2	74 08 08	74 08 08	?	?	?	HYPR
MACKENZIE BAY	22	69 25.0	135 52.3	74 08 08	74 08 08	?	?	?	HYPR
MACKENZIE BAY	25	69 26.5	135 33.4	74 08 08	74 08 08	?	?	?	HYPR
MACKENZIE BAY	5	69 52.7	135 04.7	74 08 08	74 08 08	?	?	?	HYPR
MACKENZIE BAY	8	69 32.9	135 56.9	74 08 08	74 08 08	?	?	?	HYPR
MACKENZIE BAY	4	69 53.7	134 36.3	74 08 08	74 08 08	?	?	?	HYPR
MACKENZIE BAY	16	69 37.0	135 10.4	74 08 08	74 08 08	?	?	?	HYPR
MACKENZIE BAY	22	69 25.0	135 52.3	74 08 08	74 08 08	?	?	?	HYPR
MACKENZIE BAY	18	69 33.8	135 23.5	74 08 08	74 08 08	?	?	?	HYPR

MACKENZIE BAY	10	69	32.2	135	44.3	74	08	08	74	08	08	?	?	?	?	HYPR
MACKENZIE BAY	13	69	35.9	134	48.7	74	08	08	74	08	08	?	?	?	?	HYPR
MACKENZIE BAY	14	69	34.1	134	37.7	74	08	08	74	08	08	?	?	?	?	HYPR
MACKENZIE BAY	15	69	31.2	134	56.3	74	08	08	74	08	08	?	?	?	?	HYPR
MACKENZIE BAY	26	69	44.8	134	20.3	74	08	08	74	08	08	?	?	?	?	HYPR
MACKENZIE BAY	12	69	42.0	134	37.1	74	08	08	74	08	08	?	?	?	?	HYPR
MACKENZIE BAY	13	69	35.9	134	48.7	74	08	13	74	08	13	?	?	?	?	HYPR
MACKENZIE BAY	18	69	33.8	135	23.5	74	08	14	74	08	14	?	?	?	?	HYPR
MACKENZIE BAY	10	69	32.2	135	44.3	74	08	14	74	08	14	?	?	?	?	HYPR
MACKENZIE BAY	23	69	18.6	135	37.6	74	08	14	74	08	14	?	?	?	?	HYPR
MACKENZIE BAY	22	69	25.0	135	52.3	74	08	24	74	08	24	?	?	?	?	HYPR
MACKENZIE BAY	10	69	32.2	135	44.3	74	08	24	74	08	24	?	?	?	?	HYPR
MACKENZIE BAY	11	69	49.2	134	36.5	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	26	69	44.8	134	20.3	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	12	69	42.0	134	37.1	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	14	69	34.1	134	37.7	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	13	69	35.9	134	48.7	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	15	69	31.2	134	56.3	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	2	69	48.7	133	57.4	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	16	69	37.0	135	10.4	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	18	69	33.8	135	23.5	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	3	69	58.8	134	20.9	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	19	69	30.6	135	37.4	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	10	69	32.2	135	44.3	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	22	69	25.0	135	52.3	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	4	69	53.7	134	36.3	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	5	69	52.7	135	04.7	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	17	69	40.0	135	12.8	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	6	69	50.1	135	35.0	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	7	69	48.1	136	01.1	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	8	69	32.9	135	56.9	74	08	26	74	08	26	?	?	?	?	HYPR
MACKENZIE BAY	27	69	30.2	135	43.3	74	08	28	74	08	28	?	?	?	?	HYPR
MACKENZIE BAY	28	69	30.9	135	44.7	74	08	28	74	08	28	?	?	?	?	HYPR
MACKENZIE BAY	8	69	32.9	135	56.9	74	08	28	74	08	28	?	?	?	?	HYPR
MACKENZIE BAY	25	69	26.5	135	33.4	74	08	28	74	08	28	?	?	?	?	HYPR
MACKENZIE BAY	19	69	30.6	135	37.4	74	08	29	74	08	29	?	?	?	?	HYPR
MACKENZIE BAY	10	69	32.2	135	44.3	74	08	29	74	08	29	?	?	?	?	HYPR
MACKENZIE BAY	22	69	25.0	135	52.3	74	08	30	74	08	30	?	?	?	?	HYPR
MACKENZIE BAY	5	69	52.7	135	04.7	74	09	01	74	09	01	?	?	?	?	HYPR

CURRENT METER DATA SET NUMBER: 74-0005  
YEAR:1974 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
MACKENZIE BAY	4	69 41.90	137 09.20	74 05 08	74 06 29	53 30	40	43 AAND	
BEAUFORT SEA	11	71 02.49	128 31.49	74 05 09	74 08 12	96 30	25	28 AAND	X X

CURRENT METER DATA SET NUMBER: 74-0019  
YEAR:1974 VESSEL/AGENCY: SLANEY

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
MACKENZIE BAY	UNARK	69 33.50	134 37.00	74 02	? 74 03	? ?	?	? HYPR	
MACKENZIE BAY	PELLY	69 34.17	135 23.50	74 02	? 74 03	? ?	?	? HYPR	
MACKENZIE BAY	GARRY	69 24.50	135 31.25	74 02	? 74 03	? ?	?	? HYPR	



CURRENT METER DATA SET NUMBER: 75-0004  
YEAR:1975 VESSEL/AGENCY: ARCTICUS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADD IT SENSOR P T C
MACKENZIE BAY	16 69	37.1	135 10.5	75 07 10	75 07 10	? ?	? ?	? HYPR	
MACKENZIE BAY	12 69	42.2	134 35.8	75 07 11	75 07 11	? ?	? ?	? HYPR	
MACKENZIE BAY	11 69	49.1	134 36.3	75 07 13	75 07 13	? ?	? ?	? HYPR	
MACKENZIE BAY	73 69	40.4	133 20.3	75 07 15	75 07 15	? ?	? ?	? HYPR	
MACKENZIE BAY	74 69	35.7	133 09.5	75 07 15	75 07 15	? ?	? ?	? HYPR	
MACKENZIE BAY	75 69	31.5	133 06.5	75 07 15	75 07 15	? ?	? ?	? HYPR	
MACKENZIE BAY	77 69	33.9	133 30.3	75 07 15	75 07 15	? ?	? ?	? HYPR	
MACKENZIE BAY	78 69	36.9	133 25.6	75 07 15	75 07 15	? ?	? ?	? HYPR	
MACKENZIE BAY	2 69	48.8	133 58.2	75 07 17	75 07 17	? ?	? ?	? HYPR	
MACKENZIE BAY	26 69	44.7	134 21.3	75 07 18	75 07 18	? ?	? ?	? HYPR	
MACKENZIE BAY	62 69	24.3	135 49.3	75 07 26	75 07 26	? ?	? ?	? HYPR	
MACKENZIE BAY	8 69	32.7	135 57.0	75 07 28	75 07 28	? ?	? ?	? HYPR	
MACKENZIE BAY	7 69	46.0	135 57.8	75 07 28	75 07 28	? ?	? ?	? HYPR	
MACKENZIE BAY	16 69	37.1	135 10.5	75 07 30	75 07 30	? ?	? ?	? HYPR	
MACKENZIE BAY	12 69	42.2	134 35.8	75 07 30	75 07 30	? ?	? ?	? HYPR	
MACKENZIE BAY	1 69	54.9	134 17.0	75 07 31	75 07 31	? ?	? ?	? HYPR	
MACKENZIE BAY	11 69	49.1	134 36.3	75 07 31	75 07 31	? ?	? ?	? HYPR	
MACKENZIE BAY	21 69	27.5	135 49.6	75 08 16	75 08 16	? ?	? ?	? HYPR	
MACKENZIE BAY	8 69	32.7	135 57.0	75 08 16	75 08 16	? ?	? ?	? HYPR	
MACKENZIE BAY	9 69	37.4	135 54.2	75 08 16	75 08 16	? ?	? ?	? HYPR	
MACKENZIE BAY	71 69	18.5	136 09.0	75 08 18	75 08 18	? ?	? ?	? HYPR	
MACKENZIE BAY	2 69	48.8	133 58.2	75 08 20	75 08 20	? ?	? ?	? HYPR	
MACKENZIE BAY	60 69	44.9	133 40.2	75 08 20	75 08 20	? ?	? ?	? HYPR	
MACKENZIE BAY	73 69	40.4	133 20.3	75 08 20	75 08 20	? ?	? ?	? HYPR	
MACKENZIE BAY	74 69	35.7	133 09.5	75 08 20	75 08 20	? ?	? ?	? HYPR	
MACKENZIE BAY	75 69	31.5	133 06.5	75 08 20	75 08 20	? ?	? ?	? HYPR	
MACKENZIE BAY	76 69	27.8	133 18.4	75 08 20	75 08 20	? ?	? ?	? HYPR	
MACKENZIE BAY	77 69	33.9	133 30.3	75 08 20	75 08 20	? ?	? ?	? HYPR	
MACKENZIE BAY	79 69	40.3	133 51.0	75 08 20	75 08 20	? ?	? ?	? HYPR	
MACKENZIE BAY	80 69	42.7	134 08.3	75 08 20	75 08 20	? ?	? ?	? HYPR	
MACKENZIE BAY	26 69	44.7	134 21.3	75 08 20	75 08 20	? ?	? ?	? HYPR	

CURRENT METER DATA SET NUMBER: 75-0007  
YEAR:1975 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADD IT SENSOR P T C
BEAUFORT SEA	3 69	55.30	139 23.30	75 08 07	76 02 13	191 30	50 53	AAND	X X
BEAUFORT SEA	5 70	24.09	136 45.69	75 04 29	75 08 02	96 30	64 67	AAND	X X
BEAUFORT SEA	5 70	23.10	136 45.69	75 08 03	75 09 10	39 30	64 67	AAND	X X
BEAUFORT SEA	8 71	12.89	131 19.89	75 04 26	75 08 04	101 30	74 77	AAND	X X
BEAUFORT SEA	9 70	43.69	131 14.69	75 04 26	75 08 05	102 30	42 45	AAND	X
BEAUFORT SEA	10 71	18.59	128 54.50	75 04 25	75 08 04	102 30	53 56	AAND	X X
BEAUFORT SEA	11 71	00.20	128 43.39	75 04 25	75 08 04	102 30	39 41	AAND	X
BEAUFORT SEA	13 70	07.90	134 19.89	75 04 26	75 07 29	95 30	30 33	AAND	X X
BEAUFORT SEA	13 70	07.90	134 19.89	75 08 06	75 09 08	34 30	30 33	AAND	X X
BEAUFORT SEA	15 70	17.29	133 35.29	75 04 28	75 08 05	100 30	51 54	AAND	X X

CURRENT METER DATA SET NUMBER: 75-0011  
YEAR:1975 VESSEL/AGENCY: SLANEY

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TAGLU-RICHARDS	1	69 22.4	134 53.1	75 06 10	75 06 10	? ?	? ?	? HYPR	
TAGLU-RICHARDS	1	69 22.4	134 53.1	75 06 20	75 06 20	? ?	? ?	? HYPR	
TAGLU-RICHARDS	1	69 22.4	134 53.1	75 09 27	75 09 27	? ?	? ?	? HYPR	
TAGLU-RICHARDS	3a	69 23.2	134 50.6	75 09 27	75 09 27	? ?	? ?	? HYPR	
TAGLU-RICHARDS	6	69 24.7	134 50.7	75 06 20	75 06 20	? ?	? ?	? HYPR	
TAGLU-RICHARDS	6	69 24.7	134 50.7	75 09 27	75 09 27	? ?	? ?	? HYPR	
TAGLU-RICHARDS	7	69 24.6	134 49.5	75 06 20	75 06 20	? ?	? ?	? HYPR	
TAGLU-RICHARDS	7	69 24.6	134 49.5	75 09 27	75 09 27	? ?	? ?	? HYPR	
TAGLU-RICHARDS	8	69 24.5	134 47.0	75 06 20	75 06 20	? ?	? ?	? HYPR	
TAGLU-RICHARDS	9	69 23.0	134 51.1	75 06 20	75 06 20	? ?	? ?	? HYPR	
TAGLU-RICHARDS	9	69 23.0	134 51.1	75 09 27	75 09 27	? ?	? ?	? HYPR	
TAGLU-RICHARDS	12	69 21.4	134 56.6	75 04 09	75 04 09	? ?	? ?	? HYPR	
TAGLU-RICHARDS	12	69 21.4	134 56.6	75 06 10	75 06 10	? ?	? ?	? HYPR	
TAGLU-RICHARDS	12	69 21.4	134 56.6	75 09 27	75 09 27	? ?	? ?	? HYPR	
TAGLU-RICHARDS	13	69 21.7	134 56.0	75 06 10	75 06 40	? ?	? ?	? HYPR	
TAGLU-RICHARDS	13	69 21.7	134 56.0	75 09 27	75 09 27	? ?	? ?	? HYPR	
TAGLU-RICHARDS	14	69 22.0	134 56.0	75 06 10	75 06 10	? ?	? ?	? HYPR	
TAGLU-RICHARDS	14	69 22.0	134 56.0	75 09 28	75 09 28	? ?	? ?	? HYPR	
TAGLU-RICHARDS	15	69 22.0	134 56.6	75 06 10	75 06 10	? ?	? ?	? HYPR	
TAGLU-RICHARDS	15	69 22.0	134 56.6	75 09 28	75 09 28	? ?	? ?	? HYPR	
TAGLU-RICHARDS	18	69 22.0	134 57.2	75 06 10	75 06 10	? ?	? ?	? HYPR	
TAGLU-RICHARDS	18	69 22.0	134 57.2	75 09 28	75 09 28	? ?	? ?	? HYPR	
TAGLU-RICHARDS	19	69 22.5	134 58.8	75 04 10	75 04 10	? ?	? ?	? HYPR	
TAGLU-RICHARDS	19	69 22.5	134 58.8	75 06 08	75 06 08	? ?	? ?	? HYPR	
TAGLU-RICHARDS	19	69 22.5	134 58.8	75 09 27	75 09 27	? ?	? ?	? HYPR	

CURRENT METER DATA SET NUMBER: 76-0001  
YEAR:1976 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	KPN 70	22.92	135 05.57	76 08 17	76 09 23	14 60	3	57 HYPR	
TUK. SHELF	KPN 70	22.92	135 05.57	76 09 04	76 09 27	20 60	8	57 CUSH	
TUK. SHELF	KPN 70	23.02	135 05.57	76 08 29	76 09 25	10 60	54	57 HYPR	
TUK. SHELF	TNG 70	10.59	132 58.92	76 08 22	76 10 13	45 60	8	28 CUSH	
TUK. SHELF	TNG 70	10.59	132 58.92	76 08 22	76 10 13	51 60	26	28 HYPR	

CURRENT METER DATA SET NUMBER: 76-0003  
YEAR:1976 VESSEL/AGENCY: SLANEY

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
KUGMALL IT BAY	ARNAK 69	49.	133 45.	76 07 29	76 07 29	? ?	? ?	? HYPR	
KUGMALL IT BAY	ARNAK 69	49.	133 45.	76 07 30	76 07 30	? ?	? ?	? HYPR	
KUGMALL IT BAY	ARNAK 69	49.	133 45.	76 07 31	76 07 31	? ?	? ?	? HYPR	
KUGMALL IT BAY	ARNAK 69	49.	133 45.	76 08 05	76 08 05	? ?	? ?	? HYPR	
KUGMALL IT BAY	ARNAK 69	49.	133 45.	76 08 06	76 08 06	? ?	? ?	? HYPR	
KUGMALL IT BAY	ARNAK 69	49.	133 45.	76 08 10	76 08 10	? ?	? ?	? HYPR	
KUGMALL IT BAY	ARNAK 69	49.	133 45.	76 08 11	76 08 11	? ?	? ?	? HYPR	
KUGMALL IT BAY	ARNAK 69	49.	133 45.	76 08 20	76 08 20	? ?	? ?	? HYPR	
KUGMALL IT BAY	ARNAK 69	49.	133 45.	76 08 24	76 08 24	? ?	? ?	? HYPR	
KUGMALL IT BAY	ARNAK 69	49.	133 45.	76 08 27	76 08 27	? ?	? ?	? HYPR	
KUGMALL IT BAY	ARNAK 69	49.	133 45.	76 09 04	76 09 04	? ?	? ?	? HYPR	

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KUGMALL IT BAY	ARNAK	69 49.	133 45.	76 09 05	76 09 05	?	?	?	?	HYPR
KUGMALL IT BAY	TUFT	69 42.	132 35.	76 07 17	76 07 17	?	?	?	?	HYPR
KUGMALL IT BAY	TUFT	69 42.	132 35.	76 07 18	76 07 18	?	?	?	?	HYPR
KUGMALL IT BAY	TUFT	69 42.	132 35.	76 07 19	76 07 19	?	?	?	?	HYPR
KUGMALL IT BAY	TUFT	69 42.	132 35.	76 07 20	76 07 20	?	?	?	?	HYPR
KUGMALL IT BAY	TUFT	69 42.	132 35.	76 09 02	76 09 02	?	?	?	?	HYPR

CURRENT METER DATA SET NUMBER: 77-0004  
YEAR:1977 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
BEAUFORT SEA	NKT	70 28.58	136 16.85	77 08 04	77 08 26	16 60	3	64	CUSH
BEAUFORT SEA	NKT	70 28.58	136 16.85	77 08 31	77 10 12	30 60	10	64	HYPR
BEAUFORT SEA	NKT	70 28.58	136 16.85	77 07 31	77 10 12	70 60	62	64	HYPR
BEAUFORT SEA	KPN	70 22.92	135 05.57	77 09 11	77 09 27	7 60	3	57	CUSH
BEAUFORT SEA	KPN	70 22.92	135 05.57	77 07 28	77 09 28	61 60	10	57	HYPR
BEAUFORT SEA	KPN	70 22.92	135 05.57	77 08 04	77 09 30	57 60	50	57	HYPR
BEAUFORT SEA	UKL	70 09.07	132 43.13	77 08 02	77 09 07	33 60	3	29	CUSH
BEAUFORT SEA	UKL	70 09.07	132 43.13	77 07 22	77 10 02	67 60	10	29	HYPR
BEAUFORT SEA	KGL	70 34.06	130 51.22	77 07 26	77 07 28	2 60	3	27	CUSH
BEAUFORT SEA	KGL	70 34.06	130 51.22	77 07 26	77 07 28	2 60	24	27	HYPR
BEAUFORT SEA	NRL	70 27.6	133 25.1	77 10 11	77 10 19	9 ?	10	47	?

CURRENT METER DATA SET NUMBER: 77-0009A  
YEAR:1977 VESSEL/AGENCY: IMPERIAL IMMERK

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	022-1	69 56.6	133 21.2	77 07 28	77 07 28	?	?	?	?
TUK. SHELF	022-2	69 56.6	133 21.1	77 07 31	77 07 31	?	?	?	?
TUK. SHELF	022-3	69 57.4	133 20.2	77 07 27	77 07 27	?	?	?	?
TUK. SHELF	022-4	70 00.4	133 16.7	77 07 31	77 07 31	?	?	?	?
TUK. SHELF	112-1	69 56.3	133 21.0	77 07 28	77 07 28	?	?	?	?
TUK. SHELF	112-2	69 56.3	133 20.7	77 07 27	77 07 27	?	?	?	?
TUK. SHELF	112-3	69 56.0	133 18.5	77 07 26	77 07 26	?	?	?	?
TUK. SHELF	112-4	69 54.8	133 09.7	77 07 27	77 07 27	?	?	?	?
TUK. SHELF	202-1	69 56.3	133 21.6	77 07 31	77 07 31	?	?	?	?
TUK. SHELF	202-2	69 56.2	133 21.7	77 07 30	77 07 30	?	?	?	?
TUK. SHELF	202-3	69 55.4	133 22.6	77 07 28	77 07 28	?	?	?	?
TUK. SHELF	202-4	69 52.4	133 26.1	77 07 30	77 07 30	?	?	?	?
TUK. SHELF	292-1	69 56.5	133 21.8	77 07 30	77 07 30	?	?	?	?
TUK. SHELF	292-2	69 56.5	133 22.1	77 07 30	77 07 30	?	?	?	?
TUK. SHELF	292-3	69 56.8	133 24.3	77 07 29	77 07 29	?	?	?	?
TUK. SHELF	022-3	69 57.4	133 20.2	77 08 29	77 08 29	?	?	?	?
TUK. SHELF	022-4	70 00.4	133 16.7	77 08 29	77 08 29	?	?	?	?
TUK. SHELF	112-1	69 56.3	133 21.0	77 08 29	77 08 29	?	?	?	?
TUK. SHELF	112-2	69 56.3	133 20.7	77 08 29	77 08 29	?	?	?	?
TUK. SHELF	112-3	69 56.0	133 18.5	77 08 26	77 08 26	?	?	?	?
TUK. SHELF	112-4	69 54.8	133 09.7	77 08 29	77 08 29	?	?	?	?
TUK. SHELF	202-1	69 56.3	133 21.6	77 08 25	77 08 25	?	?	?	?
TUK. SHELF	202-2	69 56.2	133 21.7	77 08 29	77 08 29	?	?	?	?
TUK. SHELF	202-3	69 55.4	133 22.6	77 08 29	77 08 29	?	?	?	?
TUK. SHELF	202-4	69 52.4	133 26.1	77 08 26	77 08 26	?	?	?	?
TUK. SHELF	292-1	69 56.5	133 21.8	77 08 25	77 08 25	?	?	?	?
TUK. SHELF	292-2	69 56.5	133 22.1	77 08 26	77 08 26	?	?	?	?
TUK. SHELF	292-3	69 56.8	133 24.3	77 08 26	77 08 26	?	?	?	?
TUK. SHELF	292-4	69 58.0	133 33.1	77 08 28	77 08 28	?	?	?	?

CURRENT METER DATA SET NUMBER: 78-0001  
YEAR:1978 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
BEAUFORT SEA	NTK 69	45.56	139 44.57	78 07 16	78 08 03	14 60	12	34 HYPR	
BEAUFORT SEA	KPN 70	22.92	135 05.57	78 07 24	78 09 23	51 60	12	57 HYPR	
BEAUFORT SEA	TRT 69	55.00	136 20.20	78 08 21	78 09 01	11 60	12	23 HYPR	
BEAUFORT SEA	NRL 70	27.78	133 29.73	78 08 08	78 08 10	3 60	12	47 HYPR	
BEAUFORT SEA	UKL 70	09.08	132 43.80	78 07 15	78 09 25	70 60	12	29 HYPR	
BEAUFORT SEA	KGL 70	34.11	130 51.32	78 07 19	78 08 05	7 60	12	27 HYPR	

CURRENT METER DATA SET NUMBER: 79-0003  
YEAR:1979 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
BEAUFORT SEA	NTK 69	45.35	139 44.57	79 08 21	79 10 07	30 60	12	34 M-M	
BEAUFORT SEA	KPN 70	22.92	135 05.57	79 08 11	79 09 10	27 60	12	57 HYPR	
BEAUFORT SEA	KPN 70	23.71	135 12.04	79 10 13	79 10 18	6 60	12	58 HYPR	
BEAUFORT SEA	KNK 70	43.61	133 58.11	79 09 14	79 10 14	1 60	12	68 HYPR	
BEAUFORT SEA	TRT 69	54.14	136 20.34	79 07 15	79 10 15	52 60	12	23 HYPR	
BEAUFORT SEA	NRL 70	27.78	133 29.73	79 07 14	79 10 18	52 60	12	52 HYPR	
BEAUFORT SEA	UKL 70	09.08	132 43.80	79 07 25	79 08 04	10 60	12	29 HYPR	

CURRENT METER DATA SET NUMBER: 79-0004  
YEAR:1979 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
BEAUFORT SEA	CMB 70	49.10	131 01.79	79 11 27	79 11 30	4 1	20	48 AAND	
BEAUFORT SEA	CMB 70	55.80	130 33.00	79 12 01	79 12 05	5 1	20	48 AAND	
BEAUFORT SEA	CMB 70	36.39	132 23.39	79 12 06	79 12 10	5 1	20	48 AAND	
BEAUFORT SEA	CMB 70	30.20	130 47.50	79 12 15	79 12 23	9 1	20	48 AAND	

CURRENT METER DATA SET NUMBER: 79-0026  
YEAR:1979 VESSEL/AGENCY: DOME

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
MCKINLEY BAY	70	02.5	131 13.4	79 12 09	79 12 19	? 10	2.1	24 RCM4	X X
MCKINLEY BAY	70	02.5	131 13.4	79 12 09	79 12 19	? 10	7.6	24 RCM4	X X
MCKINLEY BAY	70	02.5	131 13.4	79 12 09	79 12 19	? 10	13.7	24 RCM4	X X

CURRENT METER DATA SET NUMBER: 80-0002  
YEAR:1980 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	KENAL	70 43.6	133 58.1	80 08 02	80 09 06	28 60	12	? HYPR	
TUK. SHELF	KILAN	70 51.6	129 16.8	80 09 15	80 09 18	4 60	12	? HYPR	
TUK. SHELF	KOAKO	70 20.4	134 10.8	80 07 16	80 09 17	50 60	12	? HYPR	
TUK. SHELF	KOPAN	70 22.9	135 05.6	80 07 14	80 09 19	65 60	12	? HYPR	
TUK. SHELF	ORVIL	70 20.4	136 39.0	80 08 01	80 08 26	26 60	12	? HYPR	
TUK. SHELF	ORVIL	70 20.4	136 39.0	80 09 01	80 09 09	9 60	12	? M-M	

CURRENT METER DATA SET NUMBER: 80-0016A  
YEAR:1980 VESSEL/AGENCY: DOME

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
MCKINLEY BAY		70 02.5	131 13.4	80 04 06	80 04 12	? 10	2.7	? RCM4	X X
MCKINLEY BAY		70 02.5	131 13.4	80 04 06	80 04 12	? 10	7.0	? RCM4	X X
MCKINLEY BAY		70 02.5	131 13.4	80 04 06	80 04 12	? 10	15.0	? RCM4	X X

CURRENT METER DATA SET NUMBER: 80-0016B  
YEAR:1980 VESSEL/AGENCY: DOME

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
MCKINLEY BAY		70 02.5	131 13.4	80 05 01	80 05 03	? 1	2.8	? RCM4	X X
MCKINLEY BAY		70 02.5	131 13.4	80 05 01	80 05 03	? 10	8.0	? RCM4	X X
MCKINLEY BAY		70 02.5	131 13.4	80 05 01	80 05 03	? ?	5.5	? CUSH	
MCKINLEY BAY		70 02.5	131 13.4	80 05 01	80 05 03	? ?	5.5	? CUSH	
MCKINLEY BAY		70 02.5	131 13.4	80 05 01	80 05 03	? ?	5.5	? CUSH	

CURRENT METER DATA SET NUMBER: 81-0001  
YEAR:1981 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
BEAUFORT SEA	1	71 11.60	132 07.19	81 03 28	81 08 16	? 30	39	99 AAND	X X X
BEAUFORT SEA	1	71 11.60	132 07.19	81 03 28	81 08 16	? 30	94	99 AAND	X X
BEAUFORT SEA	2	70 57.19	133 31.30	81 03 26	81 08 16	? 30	39	78 AAND	X X X
BEAUFORT SEA	2	70 57.19	133 31.30	81 03 26	81 08 16	? 30	73	78 AAND	X X
BEAUFORT SEA	3	71 23.89	130 20.09	81 03 23	81 08 16	? 30	35	60 AAND	X X X
BEAUFORT SEA	3	71 23.89	130 20.09	81 03 23	81 08 16	? 30	55	60 AAND	X X

CURRENT METER DATA SET NUMBER: 81-0002A  
YEAR:1981 VESSEL/AGENCY: ASL

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADD IT SENSOR P T C
BEAUFORT SEA	TRT 69	53.80	136 11.59	81 01 18	81 08 04	? 30	19	25 AAND	X X X
BEAUFORT SEA	UVK 70	15.60	132 18.69	81 01 19	81 08 04	? 30	19	25 AAND	X X X

CURRENT METER DATA SET NUMBER: 81-0002B  
YEAR:1981 VESSEL/AGENCY: ASL

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADD IT SENSOR P T C
TUK. SHELF	TRT 69	57.6	136 12.0	81 08 11	82 09 24	408 60	27	30 AAND	X X X

CURRENT METER DATA SET NUMBER: 81-0002C  
YEAR:1981 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADD IT SENSOR P T C
TUK. SHELF	IRKAL 70	34.13	134 10.58	81 09 ?	81 10 ?	? ?	12 ?	? ?	
TUK. SHELF	IRKAL 70	34.13	134 10.58	81 09 ?	81 10 ?	? ?	25 ?	? ?	
TUK. SHELF	ISSUN 70	01.	134 19.	81 07 ?	81 10 ?	? ?	12 ?	? ?	
TUK. SHELF	ISSUN 70	01.	134 19.	81 07 ?	81 10 ?	? ?	25 ?	? ?	
TUK. SHELF	KOAKO 70	20.	134 11.	81 07 ?	81 10 ?	? ?	12 ?	? ?	
TUK. SHELF	KOAKO 70	20.	134 11.	81 07 ?	81 10 ?	? ?	25 ?	? ?	
TUK. SHELF	KOPAN 70	23.	135 06.	81 07 ?	81 10 ?	? ?	12 ?	? ?	
TUK. SHELF	KOPAN 70	23.	135 06.	81 07 ?	81 10 ?	? ?	23 ?	? ?	
TUK. SHELF	KENAL 70	43.73	133 58.47	81 09 05	81 09 ?	? ?	12 ?	ACM2	X
TUK. SHELF	KILAN 70	51.	129 17.	81 07 ?	81 09 ?	? ?	13 ?	? ?	
TUK. SHELF	KILAN 70	51.	129 17.	81 07 ?	81 09 ?	? ?	18 ?	? ?	

CURRENT METER DATA SET NUMBER: 81-0016  
YEAR:1981 VESSEL/AGENCY: ARCTIC SC.LTD.

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADD IT SENSOR P T C
BEAUFORT SEA	A 69	59.03	134 21.00	81 08 08	81 09 20	43 5	15	16 AAND	X X
BEAUFORT SEA	B 69	55.03	132 42.00	81 08 08	81 09 20	43 5	11	12 AAND	X X
BEAUFORT SEA	C 69	48.33	131 59.82	81 08 08	81 09 26	49 30	7	8 ENDE	
BEAUFORT SEA	C 69	48.33	131 59.82	81 08 08	81 08 16	8 ?	5	8 DOWS	

CURRENT METER DATA SET NUMBER: 82-0117  
YEAR:1982 VESSEL/AGENCY: ASL

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	1	69 59.0	134 20.0	82 08 05	82 09 05	4 2	7	16 DOWS	X X
TUK. SHELF	2	69 56.4	134 23.2	82 08 05	82 09 14	40 1	6	7 NB	X
TUK. SHELF	3	69 46.0	136 03.0	82 08 06	82 09 05	14 2	4.5 13.5	DOWS	X
TUK. SHELF	3	69 46.0	136 03.0	82 08 05	82 09 25	51 30	11	13 ENDE	X

CURRENT METER DATA SET NUMBER: 82-0118  
YEAR:1982 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	ORVIL	70 22.82	136 30.90	82 09 01	82 ? ?	? 60	? ?	ACM2	X
TUK. SHELF	NERLK	70 27.80	133 29.73	82 07 22	82 ? ?	? 60	? ?	AAND	X
TUK. SHELF	KENAL	70 43.73	133 58.47	82 07 22	82 ? ?	? 60	? ?	AAND	X
TUK. SHELF	KIGGA	69 52.30	133 55.30	82 07 30	82 ? ?	? 60	? ?	AAND	X
TUK. SHELF	TARSI	69 57.6	135 51.3	82 ? ?	82 ? ?	? ?	15 20	AAND	

CURRENT METER DATA SET NUMBER: 83-0067  
YEAR:1983 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	KADLK	69 45.03	136 06.08	83 08 06	83 09 07	? 2	6 12	ACM2	X
TUK. SHELF	KADLK	69 44.88	136 06.10	83 07 30	83 09 09	? 2	9 12	ACM2	X

CURRENT METER DATA SET NUMBER: 83-0069  
YEAR:1983 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
BEAUFORT SEA	SIULK	70 24.63	134 30.67	83 08 02	83 ? ?	? 60	? ?	ACM2	X
BEAUFORT SEA	ARLUK	70 19.38	135 26.53	83 08 18	83 ? ?	? 60	? ?	ACM2	X
BEAUFORT SEA	UVILK	70 15.80	132 18.75	83 10 11	83 ? ?	? 60	? ?	ACM2	X
BEAUFORT SEA	NERLK	70 26.02	133 19.47	83 07 25	83 ? ?	? 60	? ?	ACM2	X

CURRENT METER DATA SET NUMBER: 84-0029  
YEAR:1984 VESSEL/AGENCY: ASL

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	AMERK	69 56.97	133 30.42	84 07 31	84 09 26	57 15	7.1 20.5	NB	
TUK. SHELF	AMERK	69 57.08	133 30.53	84 07 24	84 09 27	65 30	19.5 22.5	ENDE	
TUK. SHELF	NIPTK	69 50.07	133 26.55	84 08 05	84 09 26	53 15	7.0 14.6	NB	
TUK. SHELF	NIPTK	69 49.93	135 26.58	84 07 23	84 09 26	65 30	11.0 14.3	ENDE	

CURRENT METER DATA SET NUMBER: 84-0045  
YEAR:1984 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	AKAUL	70 03.5	133 42.75	84 08 08	84 09 18	32 ?	5.	? ACM2	X

CURRENT METER DATA SET NUMBER: 84-0048  
YEAR:1984 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
BEAUFORT SEA	NATIA	70 03.95	137 13.12	84 09 15	84 ? ?	? 60	? ?	AAND	X
BEAUFORT SEA	SIULK	70 24.63	134 30.67	84 08 03	84 ? ?	? 60	? ?	AAND	X
BEAUFORT SEA	ARLUK	70 19.38	135 26.52	84 08 03	84 ? ?	? 60	? ?	ACM2	X
BEAUFORT SEA	AIVRK	70 24.73	133 42.33	84 08 03	84 ? ?	? 60	? ?	ACM2	X
BEAUFORT SEA	HAVIK	70 20.18	132 13.08	84 07 13	84 ? ?	? 60	? ?	ACM2	X
BEAUFORT SEA	UVILK	70 15.77	132 18.68	84 01 01	84 ? ?	? 60	? ?	ACM2	X

CURRENT METER DATA SET NUMBER: 84-0049  
YEAR:1984 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
M'CLURE STRAIT	B07	74 24.8	123 53.1	84 04 11	85 05 02	? 60	36	? AAND	X X
M'CLURE STRAIT	B07	74 24.8	123 53.1	84 04 11	85 05 02	? 60	96	? AAND	X X
HERSCHEL CAN.	H01	70 01.7	138 33.8	84 03 27	85 08 17	? 60	252	? AAND	X X
HERSCHEL CAN.	H01	70 01.7	138 33.8	84 03 27	85 08 17	? 60	274	? AAND	X X
HERSCHEL CAN.	H02	69 57.9	137 49.0	84 03 27	85 08 17	? 60	102	? AAND	X X



CURRENT METER DATA SET NUMBER: 85-0029  
YEAR:1985 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADD IT SENSOR P T C
TUK. SHELF	ARNAK	69 48.1	133 50.0	85 08 27	85 10 03	0 30	6 7.6	AAND	X X X
TUK. SHELF	ARNAK	69 48.1	133 49.9	85 08 27	85 10 03	38 1	4.8 7.6	OSS4	X X X
TUK. SHELF	NIPT	69 48.8	135 25.5	85 08 25	85 10 14	51 30	7.8 12.2	AAND	X X X
TUK. SHELF	NIPT	69 48.8	135 25.5	85 08 25	85 10 14	51 3	9.6 12.2	ACM2	X X X

CURRENT METER DATA SET NUMBER: 85-0030  
YEAR:1985 VESSEL/AGENCY: DOBROCKY

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADD IT SENSOR P T C
KING POINT		69 06.	137 57.	85 08 27	85 09 14	? ?	2.2 2.7	621	X
KING POINT		69 06.	137 57.	85 08 29	85 09 11	? ?	4.1 5.6	635	X
KING POINT		69 06.	137 57.	85 08 30	85 09 06	? ?	? 5	AAND	X
KING POINT		69 06.	137 57.	85 08 30	85 09 06	? ?	? 10	AAND	X
KING POINT		69 06.	137 57.	85 08 30	85 09 06	? ?	? 15	AAND	X

CURRENT METER DATA SET NUMBER: 85-0032  
YEAR:1985 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADD IT SENSOR P T C
BEAUFORT SEA	1	70 10.5	140 41.2	85 03	? 86 04	? ?	? ?	AAND	X X
BEAUFORT SEA	2	70 16.7	140 33.6	85 03	? 86 04	? ?	? ?	AAND	X X
BEAUFORT SEA	3	70 12.8	135 34.1	85 03	? 86 04	? ?	? ?	AAND	X X
BEAUFORT SEA	4	70 34.9	135 58.3	85 03	? 86 04	? ?	? ?	AAND	X X
BEAUFORT SEA	5	70 36.8	136 04.5	85 03	? 86 04	? ?	? ?	AAND	X X
BEAUFORT SEA	6	70 42.9	133 07.0	85 03	? 86 04	? ?	? ?	AAND	X X
BEAUFORT SEA	7	70 58.9	133 22.1	85 03	? 86 04	? ?	? ?	AAND	X X
BEAUFORT SEA	8	71 03.3	133 31.8	85 03	? 86 04	? ?	? ?	AAND	X X
BEAUFORT SEA	9	71 10.2	133 41.2	85 03	? 86 04	? ?	? ?	AAND	X X
BEAUFORT SEA	10	71 22.8	133 53.2	85 03	? 86 04	? ?	? ?	AAND	X X
BEAUFORT SEA	11	71 41.3	134 18.5	85 03	? 86 04	? ?	? ?	AAND	X X
BEAUFORT SEA	12	71 11.5	130 23.1	85 03	? 86 04	? ?	? ?	AAND	X X
BEAUFORT SEA	13	71 18.8	130 42.0	85 03	? 86 04	? ?	? ?	AAND	X X
BEAUFORT SEA	14	71 22.1	130 53.5	85 03	? 86 04	? ?	? ?	AAND	X X

CURRENT METER DATA SET NUMBER: 85-0033  
YEAR:1985 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADD IT SENSOR P T C
BEAUFORT SEA	ADLAR	69 38.87	137 45.47	85 08 21	85 09 22	33 60	? 68	ACM2	X

CURRENT METER DATA SET NUMBER: 85-0037  
YEAR:1985 VESSEL/AGENCY: GULF

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	AMAUL	70 04.	140 15.	85 09 06	85 ? ?	? ?	27 32	?	

CURRENT METER DATA SET NUMBER: 86-0003  
YEAR:1986 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
BEAUFORT SEA	4 69 55.2	133 23.2	86 09 10	86 09 15	5 ?	? 21	AAND		

CURRENT METER DATA SET NUMBER: 86-0009  
YEAR:1986 VESSEL/AGENCY: SEACONSULT

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
MACKENZIE BAY	T1-1	69 44.49	134 36.41	86 08 17	86 09 24	? 15	9.5 10. 635	X	

CURRENT METER DATA SET NUMBER: 86-0011  
YEAR:1986 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
AMUNDSEN GULF	69 15.	117 20.	86 04 ?	86 08 ?	? ?	? ?	?		

## 11.3 WATER-LEVEL DATA

The listings contain the following information:

AREA	General area of station.
STN	Station number; generally as assigned by the originating agency.
LAT, LONG	In degrees and minutes.
START/STOP	Year, month and day instrument recorded over.
EFF LEN	Effective record length in days.
DT (MN)	Sampling rate in minutes. A zero value implies continuous sampling.

DEPTHS-INSTR/WATER Instrument and water depth, in metres.

INSTR TYPE	Instrument type:
	AAND - Aanderaa
	AM12 - Applied Microsystems Ltd. 12A
	AML - Applied Microsystems Ltd.
	BASS - Bass Engineering optical lever
	FOXB - Foxboro
	HWK - HWK float
	LEGE - Lege
	LEOP - Leopold Stevens
	LEWI - Lewis Gauge (IOS)
	MECH - shore-based gauge, temporary or permanent
	OTT - Ott gauge, either float or potentiometric
	OTTB - Ottboro
	RICH - Richard
	SDAT - SeaData bottom wave and/or water level sensor
	STAF - Tide staff
	STEV - Stevens
	TG2A - Aanderaa TG2A
	TG3A - Aanderaa TG3A
	TG4A - Aanderaa TG4A
	UBC - Univ. of British Columbia gauge
	WLR5 - Aanderaa WLR5
	750A - Applied Microsystems Ltd. 750A

ADDIT SENSOR	Parameters measured qualified by :
	X - measurements of this parameter were made

Blank entries indicate unavailable or inapplicable data.

? Indicates information not in our data base, but often available from the reference cited in section 10.3.

In cases where water-level data have been collected intermittently or continuously over more than one year, one I.D. number has been used to represent the entire data set.

WATER LEVEL DATA SET NUMBER: 14-0002  
 YEAR:1914 VESSEL/AGENCY: CAN. ARCT C EXP.

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
BANKS ISLAND		71 58.	125 00.	14 12 26	15 01 30	35 ?	0	? STAF	

WATER LEVEL DATA SET NUMBER: 33-0004  
 YEAR:1933 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUKTOYAKTUK	6485	69 26.0	133 00.0	33 07 ?	33 08 ?	? ?	? ?	? ?	

WATER LEVEL DATA SET NUMBER: 51-0004  
 YEAR:1951 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
AMUNDSEN GULF	6350	69 21.00	124 04.00	51 08 17	51 10 13	57 60	? ?	? MECH	

WATER LEVEL DATA SET NUMBER: 52-0004  
 YEAR:1952 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
AMUNDSEN GULF	6350	69 21.00	124 04.00	52 08 01	52 10 12	72 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 26.0	133 00.0	52 07 ?	52 09 ?	? ?	? ?	? ?	
HERSCHEL IS.	6525	69 34.0	138 55.0	52 08 ?	52 09 ?	? ?	? ?	? ?	

WATER LEVEL DATA SET NUMBER: 54-0001  
 YEAR:1954 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
AMUNDSEN GULF	6350	69 21.0	124 04.0	54 07 ?	54 10 ?	? ?	? ?	? ?	

WATER LEVEL DATA SET NUMBER: 55-0002  
YEAR:1955 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
AMUNDSEN GULF	6340	69 48.58	122 39.40	55 07 25	55 08 19	26 60	? ?	? MECH	

WATER LEVEL DATA SET NUMBER: 56-0004  
YEAR:1956 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUKTOYAKTUK	6485	69 26.0	133 00.0	56 06 ?	57 09 ?	? ?	? ?	? ?	

WATER LEVEL DATA SET NUMBER: 59-0004  
YEAR:1959 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUKTOYAKTUK	6485	69 26.0	133 00.0	59 09 ?	60 12 ?	? ?	? ?	? ?	

WATER LEVEL DATA SET NUMBER: 61-0002  
YEAR:1961 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUKTOYAKTUK	6485	69 25.00	132 58.00	61 01 01	61 12 02	336 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	61 12 13	62 05 16	155 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	62 05 08	62 12 31	238 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	63 01 01	63 12 31	365 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	64 01 01	64 08 30	243 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	64 09 07	64 09 15	9 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	64 09 21	65 08 31	345 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	65 09 30	66 06 29	273 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	66 11 16	66 12 30	45 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	67 01 01	67 02 28	59 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	67 03 09	68 02 27	356 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	68 08 17	69 04 08	235 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	69 08 01	69 10 30	91 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	70 01 27	70 05 21	115 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	70 11 09	71 04 29	172 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	71 07 12	72 03 12	245 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 48.00	72 07 13	72 07 24	12 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	72 08 07	72 08 26	20 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	73 01 01	73 07 06	187 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	73 08 03	74 01 19	170 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	74 02 10	74 04 25	75 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	74 05 02	74 06 01	31 60	? ?	? MECH	
TUKTOYAKTUK	6485	69 25.00	132 58.00	74 07 27	75 01 26	184 60	? ?	? MECH	

TUKTOYAKTUK	6485	69	25.00	132	58.00	75	02	20	75	06	13	114	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	75	07	06	75	07	30	25	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	75	08	02	75	11	28	119	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	76	01	01	76	01	02	2	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	76	01	05	76	02	29	56	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	76	03	04	76	06	21	110	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	76	05	23	76	06	18	27	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	76	09	02	76	12	30	120	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	77	02	08	77	05	31	113	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	77	07	04	77	07	13	10	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	78	02	14	78	06	30	137	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	78	07	05	78	08	04	31	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	78	08	06	78	10	14	70	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	79	01	01	79	02	27	58	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	79	03	14	79	04	01	19	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	79	04	13	79	06	19	68	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	80	09	04	80	11	02	60	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	81	02	06	81	06	20	135	60	?	?	MECH
TUKTOYAKTUK	6485	69	25.00	132	58.00	81	06	?	86	12	?	?	60	?	?	MECH

WATER LEVEL DATA SET NUMBER: 63-0003  
YEAR: 1963 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
MACKENZIE BAY	36525	68 39.0	134 05.0	63 07	? 64 08	?	?	?	?
MACKENZIE BAY	36600	67 27.0	133 45.0	63 09	? 64 09	?	?	?	?

WATER LEVEL DATA SET NUMBER: 64-0003  
YEAR: 1964 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
MACKENZIE BAY	6498	69 29.00	135 40.00	64 07 06	64 09 01	56 60	?	?	MECH

WATER LEVEL DATA SET NUMBER: 65-0001  
YEAR: 1965 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
MACKENZIE BAY	6498	69 29.00	135 40.00	65 07 03	65 08 31	60 60	?	?	MECH

WATER LEVEL DATA SET NUMBER: 66-0001  
YEAR:1966 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
CAPE PARRY	6360	70 08.95	124 40.05	66 07 24	66 12 30	160 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	67 01 01	67 12 31	365 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	68 01 01	68 12 31	366 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	69 01 01	69 12 31	365 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	70 01 01	70 12 31	365 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	71 01 01	71 07 02	183 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	71 07 08	71 08 22	46 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	71 08 30	71 10 31	63 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	72 02 29	72 03 01	2 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	72 05 13	73 01 28	261 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	73 03 21	73 06 13	85 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	73 05 14	73 08 15	94 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	73 11 05	74 02 16	104 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	74 07 13	74 09 06	56 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	74 10 12	74 11 04	24 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	74 12 28	75 03 26	89 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	75 04 01	75 04 13	13 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	75 04 14	75 04 26	13 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	75 05 01	75 06 25	56 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	75 07 24	75 09 08	47 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	75 12 11	75 12 15	5 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	76 04 11	76 05 06	26 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	76 05 13	76 05 17	5 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	76 05 23	76 06 13	22 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	76 07 22	76 08 20	30 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	76 08 25	76 09 16	23 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	77 05 24	77 06 26	34 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	77 07 05	77 09 05	63 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	78 02 12	78 04 04	52 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	78 05 12	78 06 01	21 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	78 07 09	78 09 13	67 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	80 01 01	80 01 15	15 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	80 01 14	80 02 17	35 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	80 06 25	80 11 06	135 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	80 09 05	80 11 18	75 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	80 11 01	81 03 30	150 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	81 02 09	81 10 26	260 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 40.05	81 10 ?	86 12 ?	? 60	?	? MECH	
CAPE PARRY	6360	70 08.95	124 49.94	77 09 13	77 10 12	30 60	?	? MECH	

WATER LEVEL DATA SET NUMBER: 66-0002  
YEAR:1966 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
MACKENZIE BAY	6498	69 29.00	135 40.00	66 07 05	66 08 24	51 60	?	? MECH	

WATER LEVEL DATA SET NUMBER: 70-0004  
YEAR:1970 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
AMUNDSEN GULF	6367	69 59.00	126 55.00	70 07 22	70 08 20	30 60	?	? MECH	

MACKENZIE BAY	6495	69	41.00	134	50.00	70	07	11	70	09	01	51	60	?	?	MECH
MACKENZIE BAY	6525	69	34.19	138	54.00	70	08	10	70	09	10	30	60	?	?	MECH

WATER LEVEL DATA SET NUMBER: 71-0002  
YEAR:1971 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	NST TYPE	ADDIT SENSOR P T C
LIVERPOOL BAY	6457	69 32.0	131 06.0	71 07 ?	72 09 ?	? ?	? ?	? ?	
ESKIMO LAKES	6461	69 34.0	131 17.0	71 07 ?	71 09 ?	? ?	? ?	? ?	
ESKIMO LAKES	6462	69 34.0	131 24.0	71 07 ?	71 08 ?	? ?	? ?	? ?	
ESKIMO LAKES	6463	69 33.0	131 33.0	71 07 ?	71 07 ?	? ?	? ?	? ?	
MCKINLEY BAY	6476	69 57.00	131 28.00	71 07 05	72 09 02	58 60	? ?	? MECH	

WATER LEVEL DATA SET NUMBER: 72-0009  
YEAR:1972 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
SACHS HARBOUR	6424	71 58.00	125 15.00	72 01 01	72 06 27	179 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	72 11 09	73 01 08	61 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	73 01 12	73 05 02	111 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	73 05 23	73 05 24	2 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	73 05 27	73 06 15	20 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	73 07 07	74 06 21	350 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	74 07 07	74 12 29	176 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	75 01 07	75 02 02	27 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	75 02 09	75 03 21	41 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	75 03 24	75 05 16	54 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	75 05 20	75 05 25	6 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	75 06 06	75 09 19	106 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	75 10 10	75 11 07	29 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	75 11 10	75 11 28	19 60	? ?	? MECH	X X
SACHS HARBOUR	6424	71 58.00	125 15.00	75 12 03	76 02 08	68 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	75 12 03	76 02 08	68 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	76 02 13	76 02 18	6 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	76 02 20	76 03 20	30 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	76 03 28	76 04 06	10 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	76 05 04	76 07 25	83 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	76 05 11	76 05 31	21 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	76 09 06	76 11 22	78 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	76 11 25	76 12 19	25 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	77 03 21	77 04 05	16 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	77 04 10	77 05 03	24 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	77 05 17	77 06 06	21 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	77 07 05	77 08 10	37 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	77 08 23	77 09 03	12 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	77 09 13	77 10 12	30 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	78 01 01	78 06 10	161 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	78 01 22	79 02 10	20 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	79 02 13	79 02 23	11 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	79 03 14	79 07 07	116 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	79 07 09	79 09 06	60 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	79 09 16	79 09 24	9 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	80 01 31	80 03 13	42 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	80 03 27	80 09 22	180 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	80 06 09	80 06 21	12 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	80 06 30	80 11 01	125 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	80 09 05	80 12 03	90 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	80 12 09	81 02 04	57 60	? ?	? MECH	
SACHS HARBOUR	6424	71 58.00	125 15.00	81 02 ?	86 12 ?	? 60	? ?	? MECH	



WATER LEVEL DATA SET NUMBER: 72-0010  
YEAR:1972 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
AMUNDSEN GULF	6367	69 59.0	126 55.0	72 08 ?	72 09 ?	? ?	? ?	? ?	
LIVERPOOL BAY	6442	70 33.00	128 08.00	72 09 10	72 10 02	21 60	? ?	? MECH	
LIVERPOOL BAY	6444	69 45.0	130 00.0	72 08 ?	72 09 ?	? ?	? ?	? ?	
LIVERPOOL BAY	6455	69 43.0	130 33.0	72 07 ?	72 08 ?	? ?	? ?	? ?	
LIVERPOOL BAY	6472	70 16.00	129 39.00	72 08 03	72 09 01	28 60	? ?	? MECH	
TUK. PENINSULA	6476	69 57.00	131 28.00	72 08 07	72 08 10	4 60	? ?	? MECH	
TUK. PENINSULA	6476	69 57.00	131 28.00	72 08 14	72 09 01	17 60	? ?	? MECH	
MACKENZIE BAY	6497	69 37.00	135 22.00	72 07 25	72 08 18	25 60	? ?	? MECH	

WATER LEVEL DATA SET NUMBER: 73-0004  
YEAR:1973 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
AMUNDSEN GULF	6338	69 37.00	120 47.00	73 08 16	73 09 10	26 60	? ?	? MECH	
AMUNDSEN GULF	6340	69 48.58	122 39.40	73 07 25	73 09 09	47 60	? ?	? MECH	
AMUNDSEN GULF	6385	70 02.27	117 19.29	73 07 15	73 07 31	17 60	? ?	? MECH	
LIVERPOOL BAY	6445	70 31.00	128 21.00	73 07 01	73 07 29	30 60	? ?	? MECH	X X
MACKENZIE BAY	6525	69 34.19	138 54.70	73 09 26	74 08 01	309 30	760 ?	? AAND	
TUK. SHELF	13	70 07.67	134 19.98	73 10 30	74 04 27	? ?	? ?	? ?	

WATER LEVEL DATA SET NUMBER: 73-0019  
YEAR:1973 VESSEL/AGENCY: SLANEY

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
RICHARDS-TAGLU	69	22.	134 54.	73 05 30	73 10 06	130 ?	? ?	? RICH	

WATER LEVEL DATA SET NUMBER: 74-0005  
YEAR:1974 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. PENINSULA	4	69 41.91	137 09.20	74 05 08	74 06 23	45 30	41 43	AAND	
AMUNDSEN GULF	6442	70 33.0	128 08.0	74 07 ?	74 09 ?	? ?	? ?	? ?	
LIVERPOOL BAY	6445	70 31.00	128 21.00	74 06 30	74 07 29	30 60	? ?	? MECH	X X
	6472	70 16.0	129 39.0	74 07 ?	74 08 ?	? ?	? ?	? ?	
TUK. PENINSULA	6476	69 57.00	131 28.00	74 07 27	74 10 01	62 60	? ?	? MECH	
MACKENZIE BAY	6492	69 32.29	135 06.00	74 08 28	74 09 30	29 60	? ?	? MECH	
MACKENZIE BAY	6505	68 59.00	137 27.00	74 07 14	74 08 02	14 60	? ?	? MECH	
MACKENZIE BAY	6505	68 59.00	137 27.00	74 08 02	74 08 24	17 60	? ?	? MECH	
MACKENZIE BAY	6515	69 16.79	138 25.79	74 07 14	74 07 25	5 60	? ?	? MECH	
MACKENZIE BAY	6515	69 16.79	138 25.79	74 08 06	74 09 09	28 60	? ?	? MECH	
MACKENZIE BAY	6515	69 16.79	138 25.79	74 09 09	74 09 28	12 60	? ?	? MECH	

MACKENZIE BAY 6525 69 34.19 138 54.40 74 08 02 74 11 16 106 30 ? ? LEWI

WATER LEVEL DATA SET NUMBER: 75-0007  
YEAR:1975 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	5 70	24.09	136 45.69	75 04 29	75 08 03	95 15	65	67 AAND	
TUK. SHELF	5 70	24.09	136 45.69	75 08 03	75 09 19	38 15	65	67 AAND	X
TUK. SHELF	8 71	12.89	131 19.89	75 04 26	75 08 04	100 15	75	77 AAND	X
TUK. SHELF	9 70	43.69	131 14.69	75 04 26	75 08 05	101 15	43	45 AAND	X
TUK. SHELF	10 71	18.59	128 54.50	75 04 25	75 08 05	101 30	54	56 AAND	X
TUK. SHELF	11 71	00.20	128 43.39	75 04 25	75 08 05	101 15	40	41 AAND	X
TUK. SHELF	13 70	07.90	134 19.89	75 08 06	75 09 09	33 15	31	33 UBC	X
KUGMALLIT BAY	6488	69 25.19	133 52.00	75 07 31	76 05 04	269 60	?	? AAND	
MACKENZIE BAY	6503	68 46.19	135 43.20	75 07 31	75 12 18	133 30	?	? AAND	
MACKENZIE BAY	6525	69 34.19	138 54.40	75 07 13	75 09 07	47 10	?	? LEWI	
DEMARCATON B.	6530	69 40.89	141 13.29	75 08 01	75 09 14	17 30	?	? TG2A	

WATER LEVEL DATA SET NUMBER: 75-0008  
YEAR:1975 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. PENINSULA	69	26.00	133 02.00	75 07 15	75 09 17	65 60	?	? MECH	
LIVERPOOL BAY	6445	70 31.30	128 21.19	75 09 01	75 09 18	12 60	?	? MECH	
AMUNDSEN GULF	6447	70 14.30	127 38.49	75 07 22	75 09 14	53 60	?	? MECH	
TUK. PENINSULA	6476	69 56.69	131 24.60	75 07 10	75 09 18	65 60	?	? MECH	
MACKENZIE BAY	6498	69 29.0	135 40.0	75 07 ?	77 09 ?	? ?	?	? ?	
MACKENZIE BAY	6499	69 26.79	135 36.19	75 07 14	75 08 25	41 60	?	? MECH	
MACKENZIE BAY	6515	69 16.79	138 25.79	75 06 23	75 07 15	12 60	?	? MECH	
MACKENZIE BAY	6515	69 16.79	138 25.79	75 07 11	75 09 19	62 60	?	? MECH	

WATER LEVEL DATA SET NUMBER: 75-0011  
YEAR:1975 VESSEL/AGENCY: SLANEY

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TAGLU-RICHARDS	TAGLU	69 22.2	134 54.8	75 05 22	75 09 28	172 0	0	? STEV	

WATER LEVEL DATA SET NUMBER: 75-0042  
YEAR:1975 VESSEL/AGENCY: AQUATIC ENV

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
MACKENZIE DELT	CAMP1	68 46.8	136 00.0	75 07 01	75 09 22	84 ?	0	? STAF	
MACKENZIE DELT	CAMP2	69 04.9	134 49.5	75 07 02	75 09 22	83 ?	0	? STAF	

WATER LEVEL DATA SET NUMBER: 76-0002  
YEAR:1976 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
AMUNDSEN GULF	6315	68 54.00	116 51.00	76 07 30	76 09 09	42 15	?	? TG3A	X
BANKS ISLAND	6420	71 32.00	123 47.00	76 07 31	76 09 10	40 15	?	? TG1A	X
BANKS ISLAND	6436	72 37.00	125 09.00	76 07 31	76 09 10	40 30	?	? TG1A	X
LIVERPOOL BAY	6445	70 31.00	128 31.00	76 07 31	76 08 27	28 60	?	? MECH	
ESKIMO LAKES	6457	69 32.00	131 06.00	76 07 10	76 09 06	59 60	?	? MECH	
ESKIMO LAKES	6464	69 23.00	132 03.00	76 07 10	76 09 06	59 60	?	? MECH	
ESKIMO LAKES	6466	69 08.00	132 28.00	76 07 10	76 09 06	59 60	?	? MECH	
ESKIMO LAKES	6468	68 57.00	132 54.00	76 07 10	76 09 06	59 60	?	? MECH	
KUGMALLIT BAY	6484	69 26.00	133 02.00	76 07 15	76 09 09	57 60	?	? MECH	
TUKTOYAKTUK	6485	69 27.0	133 00.0	76 08 25	76 ? ?	? 30	?	? TG2A	X
MACKENZIE BAY	6489	69 17.00	134 07.00	76 07 19	76 09 09	53 60	?	? MECH	
MACKENZIE BAY	6490	69 00.00	134 40.00	76 07 19	76 09 09	53 60	?	? MECH	
MACKENZIE BAY	6491	69 13.00	135 06.00	76 07 19	76 09 09	53 60	?	? MECH	
MACKENZIE BAY	6499	69 26.00	135 36.00	76 07 07	76 09 02	58 60	?	? MECH	

WATER LEVEL DATA SET NUMBER: 77-0005  
YEAR:1977 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
KUGMALLIT BAY		69 26.00	133 02.00	77 07 31	77 09 10	42 60	?	? MECH	
LIVERPOOL BAY	6445	70 31.00	128 31.00	77 07 24	77 09 08	47 60	?	? MECH	
MACKENZIE BAY	6499	69 26.00	135 36.00	77 07 05	77 09 08	66 60	?	? MECH	
AMUNDSEN GULF	6315	68 54.0	116 51.0	77 07 26	77 09 09	? 30	?	? TG1A	X
CAPE PARRY	6330	70 08.9	124 40.3	77 07 27	78 07 24	? 30	?	? TG2A	X
TUKTOYAKTUK	6485	69 27.2	133 00.0	77 09 13	78 09 04	? 30	?	? TG2A	X

WATER LEVEL DATA SET NUMBER: 78-0114  
YEAR:1978 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
CAPE PARRY	6330	70 08.9	124 40.3	78 07 24	78 08 30	? 30	?	? TG2A	X

WATER LEVEL DATA SET NUMBER: 79-0016  
YEAR:1979 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
CAPE PARRY	6330	70 08.9	124 40.3	79 08 24	80 08 04	? 30	?	? TG2A	X

WATER LEVEL DATA SET NUMBER: 80-0011B  
YEAR:1980 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
CAPE PARRY	6330	70 08.9	124 40.3	80 08 04	81 07 27	? 30	?	? TG2A	X

WATER LEVEL DATA SET NUMBER: 81-0017  
YEAR:1981 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
LIVERPOOL BAY	6443	70 31.0	128 21.0	81 07 20	81 11 14	117 60	?	? AAND	
LIVERPOOL BAY	6472	70 16.0	129 39.0	81 07 23	81 11 12	112 60	?	? AAND	
TUK. PENINSULA	6476	69 57.0	131 28.0	81 07 18	81 09 10	55 60	?	? AAND	
TUK. PENINSULA	6476	69 57.0	131 28.0	81 08 10	81 10 16	67 60	?	? AAND	
MACKENZIE BAY	6499	69 27.0	135 36.0	81 07 17	81 11 06	112 60	?	? AAND	
CAPE PARRY	6330	70 08.9	124 40.3	81 07 27	82 09 20	? 30	?	? TG3A	X X

WATER LEVEL DATA SET NUMBER: 82-0004  
YEAR:1982 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
AMUNDSEN GULF	6410	71 26.0	121 32.0	82 03 29	82 05 02	? 15	?	? TG3A	X X
PR. WALES STR.	6405	72 15.0	120 09.0	82 03 29	82 05 01	? 15	?	? AML	X X
AMUNDSEN GULF	6395	71 37.0	117 52.0	82 03 30	82 05 ?	? 15	?	? TG2A	X
AMUNDSEN GULF	6380	70 44.0	117 45.0	82 03 28	82 05 01	? 15	?	? TG3A	X X
AMUNDSEN GULF	70	41.8	114 16.3	82 03 31	82 05 02	? 15	?	? AML	X X
AMUNDSEN GULF	6372	69 38.0	117 00.0	82 03 31	82 05 02	? 15	?	? TG5A	X

WATER LEVEL DATA SET NUMBER: 82-0006  
YEAR:1982 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
CAPE PARRY	6361	70 06.	124 41.	82 09 20	83 08 ?	? 30	?	? AML	X X
SACHS HARBOUR	6424	71 58.	125 15.	82 09 21	83 08 04	? 30	?	? TG3A	X X
TUKTOYAKTUK	6485	69 27.	133 01.	82 08 28	83 06 09	? 30	?	? AML	X X

WATER LEVEL DATA SET NUMBER: 83-0017B  
YEAR:1983 VESSEL/AGENCY: CHS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUKTOYAKTUK	6485	69 27.2	133 00.0	83 02 18	84 07 21	? 30	?	? AAND	X X
CAPE PARRY	6360	70 09.0	124 40.5	83 08 05	84 08 06	? 30	?	? TG3A	X X

WATER LEVEL DATA SET NUMBER: 84-0045  
YEAR:1984 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	AMAUL	70 03.5	133 42.75	84 08 08	84 09 18	32 ?	? ?	? WLR5	X

WATER LEVEL DATA SET NUMBER: 84-0046  
YEAR:1984 VESSEL/AGENCY: ASL

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	NIPTK	69 49.85	135 25.53	84 07 23	84 09 26	65 15	14.8 14.8	SDAT	X

WATER LEVEL DATA SET NUMBER: 85-0029  
YEAR:1985 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	ADGO	69 28.84	135 52.14	85 08 15	85 09 27	44 15	2.7 2.7	SDAT	X
MACKENZIE DEL.	TAGLU	69 22.0	134 57.2	85 05 09	85 10 14	? 10	? 10	WLR5	X

WATER LEVEL DATA SET NUMBER: 85-0032  
YEAR:1985 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
BEAUFORT SEA	NP020	69 30.6	138 58.9	85 03 ?	86 04 ?	377 ?	15 15	AAND	X X
BEAUFORT SEA	NC020	70 17.8	129 35.5	85 03 ?	86 04 ?	388 ?	14 14	AAND	X X
BEAUFORT SEA	NC180	71 18.8	130 42.0	85 03 ?	86 04 ?	387 ?	221 221	TG5A	X
BEAUFORT SEA	NP050	70 10.5	140 41.2	85 03 ?	86 04 ?	262 ?	46 46	AAND	X
BEAUFORT SEA	KC050	70 42.9	133 07.0	85 03 ?	86 04 ?	265 ?	54 54	AAND	X

WATER LEVEL DATA SET NUMBER: 86-0009  
YEAR: 1986 VESSEL/AGENCY: SEACONSULT

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR
									P T C
MACKENZIE BAY	T1-1	69 44.49	134 36.41	86 08 17	86 09 24	? 15	9.5 10.	635	X
MACKENZIE BAY	T1-2	69 44.54	134 36.67	86 08 18	86 09 24	? 8	4.5 6.	635	X

# 11.4 WAVE DATA

The listings contain the following information:

AREA	Area
STN	Station number; generally as assigned by the originating agency.
LAT, LONG	In degrees and minutes.
START/STOP	Year, month and day instrument recorded over.
EFF LEN	Effective record length in days.
DT (MN)	Sampling rate in minutes.
DEPTHS-INSTR/WATER	Instrument and water depth, in metres.
INSTR TYPE	Instrument type: 621 - SeaData 621 DWCM wave/current sensor 635 - Sea Data pressure recorder 635-9, -11 or -12 650 - SeaData pressure recorder 650B-7 WRDR - Datawell waverider WRIP - WRIPS w/Internal Sea Data recorder WTRK - Endeco wave-track WVEC - WAVEC 750A - Applied Microsystems wave burst recorder
ADDIT SENSOR	Parameters measured qualified by : X - measurements of this parameter were made

Blank entries indicate unavailable or inapplicable data.

? Indicates information not entered into our data base, but often available from the original data report (section 10.3).

WAVE DATA SET NUMBER: 70-0071  
YEAR:1970 VESSEL/AGENCY: MEDS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADD T SENSOR P T C
HERSCHEL IS	098 69	30.00	138 40.00	70 08 01	70 08 30	30 ?	0	50	WRDR

WAVE DATA SET NUMBER: 74-0126  
YEAR:1974 VESSEL/AGENCY: MEDS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADD T SENSOR P T C
TUK. SHELF	003 69	53.80	135 57.20	74 08 26	74 08 30	04 ?	0	21	WFDR

WAVE DATA SET NUMBER: 75-0146  
YEAR:1975 VESSEL/AGENCY: MEDS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADD T SENSOR P T C
TUK. SHELF	003 69	53.80	135 57.20	75 08 08	75 09 06	29 ?	0	21	WRDR

WAVE DATA SET NUMBER: 76-0001  
YEAR:1976 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADD T SENSOR P T C
TUK. SHELF	006 70	09.08	132 57.08	76 08 20	76 10 04	45 ?	0	29	WRDR

WAVE DATA SET NUMBER: 76-0123  
YEAR:1976 VESSEL/AGENCY: MEDS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADD T SENSOR P T C
TUK. SHELF	025 69	58.08	134 59.00	76 08 08	76 10 09	62 ?	0	15	WRDR
TUK. SHELF	050 69	57.08	133 50.08	76 08 08	76 10 08	61 ?	0	15	WRDR



WAVE DATA SET NUMBER: 77-0004  
YEAR:1977 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	192 70	11.30	132 45.20	77 08 07	77 10 02	56 ?	0	34 WRDR	
TUK. SHELF	193 70	23.90	135 06.00	77 08 07	77 10 01	55 ?	0	64 WRDR	

WAVE DATA SET NUMBER: 77-0009B  
YEAR:1977 VESSEL/AGENCY: ESSO

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	194 69	57.50	134 26.00	77 08 11	77 09 16	36 ?	0	14 WRDR	

WAVE DATA SET NUMBER: 77-0123  
YEAR:1977 VESSEL/AGENCY: GULF

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	190 70	03.50	133 38.00	77 08 15	77 10 13	59 ?	0	33 WRDR	
TUK. SHELF	191 70	08.40	136 24.80	77 08 16	77 10 10	55 ?	0	43 WRDR	

WAVE DATA SET NUMBER: 78-0001  
YEAR:1978 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	192 70	10.05	132 44.00	78 07 22	78 10 04	74 ?	0	31 WRDR	
TUK. SHELF	193 70	22.90	135 05.60	78 09 02	78 10 04	33 ?	0	57 WRDR	
TUK. SHELF	196 70	34.10	130 51.40	78 08 31	78 09 01	02 ?	0	27 WRDR	

WAVE DATA SET NUMBER: 78-0113  
YEAR:1978 VESSEL/AGENCY: MEDS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	198 70	04.00	132 27.00	78 08 04	78 08 13	09 ?	0	24 WRDR	

WAVE DATA SET NUMBER: 79-0003  
YEAR:1979 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	200 70	31.12	133 20.08	79 08 03	79 09 10	38 ?	0	46 WRDR	
TUK. SHELF	201 69	58.13	136 36.15	79 08 13	79 09 18	36 ?	0	30 WRDR	

WAVE DATA SET NUMBER: 79-0120  
YEAR:1979 VESSEL/AGENCY: MEDS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	198 70	03.33	133 59.60	79 08 19	79 10 15	57 ?	0	24 WRDR	

WAVE DATA SET NUMBER: 80-0002  
YEAR:1980 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	200 70	05.00	136 40.00	80 08 11	80 09 18	38 ?	0	50 WRDR	
TUK. SHELF	201 70	34.00	134 35.00	80 08 16	80 09 13	28 ?	0	60 WRDR	
TUK. SHELF	202 70	18.00	136 36.00	80 08 15	80 09 07	24 ?	0	60 WRDR	

WAVE DATA SET NUMBER: 81-0002C  
YEAR:1981 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	201 70	05.00	134 26.00	81 07 28	81 08 31	34 ?	0	27 WRDR	
TUK. SHELF	202 70	46.00	129 21.00	81 08 05	81 08 14	09 ?	0	25 WRDR	
TUK. SHELF	196 70	28.00	134 06.00	81 08 07	81 10 06	60 ?	0	60 WRDR	
TUK. SHELF	204 69	53.00	136 11.00	81 08 13	81 08 15	02 ?	0	20 WRDR	

WAVE DATA SET NUMBER: 82-0117  
YEAR:1982 VESSEL/AGENCY: ESSO

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	205 69	56.97	134 29.67	82 08 23	82 09 26	54 ?	0	14 WRDR	

WAVE DATA SET NUMBER: 82-0118  
YEAR:1982 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	196	70 24.80	133 27.00	82 07 27	82 08 25	29 ?	0	52 WRDR	
TUK. SHELF	196	70 22.50	136 32.00	82 09 01	82 09 29	28 ?	0	58 WRDR	
TUK. SHELF	201	70 35.00	134 14.00	82 07 28	82 08 21	24 ?	0	58 WRDR	
TUK. SHELF	201	70 26.50	133 59.00	82 09 02	82 09 29	27 ?	0	60 WRDR	
TUK. SHELF	202	70 44.00	133 50.00	82 07 22	82 07 27	05 ?	0	71 WRDR	
TUK. SHELF	204	69 53.40	135 59.50	82 07 30	82 08 20	21 ?	0	20 WRDR	
TUK. SHELF	204	69 50.70	136 00.00	82 09 01	82 09 29	28 ?	0	21 WRDR	
MCKINLEY BAY	206	69 58.10	131 12.65	82 08 07	82 10 06	60 ?	0	8 WRDR	

WAVE DATA SET NUMBER: 83-0067  
YEAR:1983 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	208	69 44.97	136 05.22	83 08 24	83 09 09	16 ?	0	12 WRDR	
TUK. SHELF	209	69 56.06	133 30.50	83 07 31	83 08 17	18 ?	0	21 WRDR	

WAVE DATA SET NUMBER: 83-0069  
YEAR:1983 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	196	70 19.42	135 26.53	83 09 09	83 09 12	03 ?	0	58 WRDR	
TUK. SHELF	200	70 24.44	133 42.33	83 08 17	83 08 30	13 ?	0	50 WRDR	
TUK. SHELF	201	70 04.95	137 13.12	83 08 11	83 09 10	30 ?	0	42 WRDR	
TUK. SHELF	202	70 24.62	134 30.68	83 08 23	83 08 27	04 ?	0	52 WRDR	

WAVE DATA SET NUMBER: 83-0070  
YEAR:1983 VESSEL/AGENCY: GULF

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	207	69 55.72	136 47.72	83 08 25	83 09 05	10 ?	0	30 WRDR	

WAVE DATA SET NUMBER: 84-0045  
YEAR:1984 VESSEL/AGENCY: MEDS

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF		69 55.	136 25.	84 08 06	84 08 17	12 ?	? ?	? WRDR	
HERSCHEL IS.		69 30.	138 40.	84 08 09	84 08 18	9 ?	? ?	? WRDR	

WAVE DATA SET NUMBER: 84-0046  
YEAR:1984 VESSEL/AGENCY: ASL

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	209	69 57.00	133 30.50	84 08 05	84 10 05	61 ?	0 21	WRDR	
TUK. SHELF		69 49.73	135 26.38	84 08 18	84 08 21	3 ?	0 15	WRDR	

WAVE DATA SET NUMBER: 85-0029  
YEAR:1985 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	ADGO	69 28.84	135 52.14	85 08 15	85 09 27	44 15	2.5 2.7	SDAT	X

WAVE DATA SET NUMBER: 85-0030  
YEAR:1985 VESSEL/AGENCY: DOBROCKY

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
KING POINT		69 06.	137 57.	85 08 27	85 09 14	? ?	1.8 2.7	621 X	
KING POINT		69 06.	137 57.	85 08 29	85 09 11	? ?	4.0 5.6	635 X	

WAVE DATA SET NUMBER: 85-0033  
YEAR:1985 VESSEL/AGENCY: CANMAR

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	ADLAR	69 38.87	137 45.47	85 08 15	85 09 11	27 ?	0 68	WRDR	
TUK. SHELF	EDLOK	69 45.83	140 14.37	85 08 23	85 09 11	19 ?	0 35	WRDR	

WAVE DATA SET NUMBER: 86-0009  
YEAR:1986 VESSEL/AGENCY: SEACONSULT

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
MACKENZIE BAY	T1-1	69 44.49	134 36.41	86 08 17	86 09 24	? ?	9.5 10.	635	X
MACKENZIE BAY	T1-2	69 44.54	134 36.67	86 08 18	86 09 24	? ?	4.5	6. 635	X
MACKENZIE BAY	T1-2	69 44.54	134 36.67	86 08 18	86 09 24	? ?	5.5	6. 635	X
MACKENZIE BAY	T1-2	69 44.54	134 36.67	86 08 18	86 09 24	? ?	4.5	6. 650	X

WAVE DATA SET NUMBER: 86-0014  
YEAR:1986 VESSEL/AGENCY: ARCTIC LAB.

AREA	STN	LAT DEG MIN	LON DEG MIN	START YR MO DY	STOP YR MO DY	EFF DT LEN MN	DEPTHS INSTR WATER	INST TYPE	ADDIT SENSOR P T C
TUK. SHELF	AMAUL 70	05.67	133 48.27	86 08 08	86 09 14	? ?	0 33	WRDR	

### 11.5 AIDJEX 1975 - 1976 TEMPERATURE-SALINITY DATA

This section contains listings of all the AIDJEX 1975-1976 temperature-salinity data, even those stations outside the boundaries of this data compilation.

The format of the T/S data listing is the same as in Section 11.1. The station letters CB, BF, SB and BB signify camps Caribou, Blue Fox, Snowbird and Big Bear, respectively.

BOTTLE/CTD DATA SET NUMBER: 75-0005  
 YEAR:1975 VESSEL/AGENCY: AIDJEX

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS C S T	INSTR	INT NO HR
CANADA BASIN	CB 1	75 32.44	143 59.55	75 05 14 06	741	? X	X STD		
CANADA BASIN	CB 3	75 30.62	143 54.64	75 05 14 19	730	? X	X STD		
CANADA BASIN	CB 5	75 28.35	143 50.67	75 05 17 05	746	? X	X STD		
CANADA BASIN	CB 7	75 30.32	144 0.67	75 05 17 18	765	? X	X STD		
CANADA BASIN	CB 9	75 31.51	144 25.04	75 05 18 18	746	? X	X STD		
CANADA BASIN	CB 11	75 29.98	144 45.71	75 05 19 18	745	? X	X STD		
CANADA BASIN	CB 13	75 27.95	144 46.72	75 05 20 18	740	? X	X STD		
CANADA BASIN	CB 15	75 27.95	144 44.42	75 05 21 18	741	? X	X STD		
CANADA BASIN	CB 17	75 30.04	144 39.68	75 05 22 18	736	? X	X STD		
CANADA BASIN	CB 19	75 30.06	144 34.03	75 05 23 18	770	? X	X STD		
CANADA BASIN	CB 21	75 29.11	144 30.42	75 05 24 18	732	? X	X STD		
CANADA BASIN	CB 23	75 30.34	144 33.72	75 05 25 18	738	? X	X STD		
CANADA BASIN	CB 25	75 29.78	144 52.49	75 05 26 19	735	? X	X STD		
CANADA BASIN	CB 27	75 30.28	145 14.20	75 05 27 18	734	? X	X STD		
CANADA BASIN	CB 29	75 33.64	145 35.08	75 05 28 18	751	? X	X STD		
CANADA BASIN	CB 31	75 37.02	145 51.13	75 05 29 18	735	? X	X STD		
CANADA BASIN	CB 33	75 40.07	146 7.12	75 05 30 18	734	? X	X STD		
CANADA BASIN	CB 35	75 41.00	146 19.24	75 05 31 20	735	? X	X STD		
CANADA BASIN	CB 37	75 41.21	146 29.59	75 06 01 18	497	? X	X STD		
CANADA BASIN	CB 39	75 41.47	146 41.99	75 06 02 18	244	? X	X STD		
CANADA BASIN	CB 41	75 42.49	146 53.59	75 06 03 18	488	? X	X STD		
CANADA BASIN	CB 43	75 43.31	147 12.41	75 06 04 17	732	? X	X STD		
CANADA BASIN	CB 45	75 43.00	147 28.87	75 06 05 18	490	? X	X STD		
CANADA BASIN	CB 47	75 41.71	147 37.53	75 06 06 18	252	? X	X STD		
CANADA BASIN	CB 49	75 40.55	147 45.08	75 06 07 18	488	? X	X STD		
CANADA BASIN	CB 51	75 38.72	147 50.92	75 06 08 18	733	? X	X STD		
CANADA BASIN	CB 53	75 36.48	147 49.84	75 06 09 18	489	? X	X STD		
CANADA BASIN	CB 55	75 35.73	147 47.89	75 06 10 18	258	? X	X STD		
CANADA BASIN	CB 57	75 35.64	147 42.43	75 06 11 18	491	? X	X STD		
CANADA BASIN	CB 59	75 35.80	147 48.08	75 06 12 18	738	? X	X STD		
CANADA BASIN	CB 61	75 35.88	147 54.52	75 06 13 18	489	? X	X STD		
CANADA BASIN	CB 63	75 37.27	147 57.80	75 06 14 18	241	? X	X STD		
CANADA BASIN	CB 65	75 38.37	148 7.27	75 06 15 18	489	? X	X STD		
CANADA BASIN	CB 67	75 38.06	148 13.45	75 06 16 18	731	? X	X STD		
CANADA BASIN	CB 69	75 41.93	148 29.38	75 06 17 18	492	? X	X STD		
CANADA BASIN	CB 71	75 39.23	148 42.36	75 06 18 18	248	? X	X STD		
CANADA BASIN	CB 73	75 36.82	148 52.85	75 06 19 18	489	? X	X STD		
CANADA BASIN	CB 75	75 36.95	149 3.03	75 06 20 18	738	? X	X STD		
CANADA BASIN	CB 77	75 39.04	149 10.89	75 06 21 18	493	? X	X STD		
CANADA BASIN	CB 79	75 42.37	149 9.16	75 06 22 18	248	? X	X STD		
CANADA BASIN	CB 81	75 43.91	149 20.51	75 06 23 18	731	? X	X STD		
CANADA BASIN	CB 83	75 43.12	149 23.57	75 06 24 18	241	? X	X STD		
CANADA BASIN	CB 85	75 41.48	149 10.56	75 06 25 18	488	? X	X STD		
CANADA BASIN	CB 87	75 42.32	149 5.79	75 06 26 18	737	? X	X STD		
CANADA BASIN	CB 89	75 43.83	149 6.69	75 06 27 18	487	? X	X STD		
CANADA BASIN	CB 91	75 45.34	148 51.23	75 06 28 18	247	? X	X STD		
CANADA BASIN	CB 93	75 43.91	148 32.68	75 06 29 18	494	? X	X STD		
CANADA BASIN	CB 95	75 49.97	148 30.34	75 06 30 18	733	? X	X STD		
CANADA BASIN	CB 96	75 50.39	148 13.91	75 07 01 18	393	? X	X STD		
CANADA BASIN	CB 98	75 50.07	148 9.56	75 07 02 18	245	? X	X STD		
CANADA BASIN	CB100	75 50.79	147 42.00	75 07 03 18	488	? X	X STD		
CANADA BASIN	CB102	75 48.55	147 24.34	75 07 04 18	344	? X	X STD		
CANADA BASIN	CB104	75 44.26	147 5.65	75 07 05 18	345	? X	X STD		
CANADA BASIN	CB105	75 40.55	146 41.57	75 07 06 19	240	? X	X STD		
CANADA BASIN	CB107	75 40.35	146 14.42	75 07 07 18	506	? X	X STD		
CANADA BASIN	CB109	75 38.41	146 2.37	75 07 08 19	732	? X	X STD		
CANADA BASIN	CB111	75 41.40	145 47.99	75 07 09 19	491	? X	X STD		
CANADA BASIN	CB113	75 37.88	145 12.56	75 07 10 18	240	? X	X STD		
CANADA BASIN	CB115	75 36.81	145 7.71	75 07 11 18	487	? X	X STD		
CANADA BASIN	CB117	75 38.86	145 10.19	75 07 12 18	257	? X	X STD		
CANADA BASIN	CB119	75 40.55	145 16.40	75 07 13 18	732	? X	X STD		
CANADA BASIN	CB121	75 40.31	145 13.36	75 07 14 18	732	? X	X STD		
CANADA BASIN	CB123	75 38.92	145 20.94	75 07 15 18	199	? X	X STD		
CANADA BASIN	CB124	75 34.94	145 21.98	75 07 16 18	483	? X	X STD		
CANADA BASIN	CB125	75 20.17	145 19.10	75 07 20 18	239	? X	X STD		
CANADA BASIN	CB126	75 13.15	145 22.83	75 07 21 18	737	? X	X STD		
CANADA BASIN	CB128	75 8.74	145 28.18	75 07 22 18	239	? X	X STD		
CANADA BASIN	CB130	75 6.58	145 33.74	75 07 23 18	502	? X	X STD		
CANADA BASIN	CB132	75 6.04	145 36.73	75 07 24 18	730	? X	X STD		
CANADA BASIN	CB134	75 6.30	145 49.95	75 07 25 18	485	? X	X STD		
CANADA BASIN	CB136	75 3.53	145 57.51	75 07 26 18	238	? X	X STD		

CANADA BASIN	CB138	75	0.28	145	53.18	75	07	27	18	489	?	X	X	STD
CANADA BASIN	CB140	74	57.37	145	49.66	75	07	28	18	729	?	X	X	STD
CANADA BASIN	CB142	74	52.09	145	24.12	75	07	29	18	730	?	X	X	STD
CANADA BASIN	CB144	74	44.99	145	9.18	75	07	30	18	260	?	X	X	STD
CANADA BASIN	CB146	74	40.20	144	52.28	75	07	31	18	484	?	X	X	STD
CANADA BASIN	CB148	74	36.43	144	36.94	75	08	01	18	729	?	X	X	STD
CANADA BASIN	CB150	74	34.37	144	32.14	75	08	02	18	485	?	X	X	STD
CANADA BASIN	CB152	74	33.35	144	27.78	75	08	03	19	238	?	X	X	STD
CANADA BASIN	CB154	74	33.82	144	19.72	75	08	04	18	483	?	X	X	STD
CANADA BASIN	CB156	74	34.88	143	59.08	75	08	05	18	732	?	X	X	STD
CANADA BASIN	CB158	74	31.27	143	55.46	75	08	06	19	504	?	X	X	STD
CANADA BASIN	CB159	74	30.29	143	49.52	75	08	07	18	303	?	X	X	STD
CANADA BASIN	CB161	74	30.14	143	39.28	75	08	08	18	730	?	X	X	STD
CANADA BASIN	CB163	74	28.18	143	8.72	75	08	09	06	240	?	X	X	STD
CANADA BASIN	CB165	74	25.45	142	55.94	75	08	09	18	485	?	X	X	STD
CANADA BASIN	CB167	74	17.75	142	34.76	75	08	10	18	729	?	X	X	STD
CANADA BASIN	CB169	74	12.35	142	20.17	75	08	11	18	241	?	X	X	STD
CANADA BASIN	CB171	74	9.19	142	2.29	75	08	12	18	503	?	X	X	STD
CANADA BASIN	CB173	74	12.87	141	50.80	75	08	13	18	730	?	X	X	STD
CANADA BASIN	CB175	74	8.88	141	31.60	75	08	14	18	729	?	X	X	STD
CANADA BASIN	CB177	74	10.32	141	32.15	75	08	15	18	254	?	X	X	STD
CANADA BASIN	CB179	74	10.75	141	33.28	75	08	16	18	485	?	X	X	STD
CANADA BASIN	CB181	74	6.50	141	47.59	75	08	17	18	728	?	X	X	STD
CANADA BASIN	CB183	74	5.69	141	57.12	75	08	18	18	483	?	X	X	STD
CANADA BASIN	CB185	74	6.11	142	15.50	75	08	19	18	237	?	X	X	STD
CANADA BASIN	CB187	74	7.58	142	39.53	75	08	20	18	487	?	X	X	STD
CANADA BASIN	CB189	74	7.18	142	49.04	75	08	21	19	728	?	X	X	STD
CANADA BASIN	CB191	74	5.23	142	46.14	75	08	22	18	727	?	X	X	STD
CANADA BASIN	CB193	74	1.64	142	40.36	75	08	23	18	727	?	X	X	STD
CANADA BASIN	CB195	74	0.61	142	36.81	75	08	24	18	723	?	X	X	STD
CANADA BASIN	CB196	74	0.73	142	22.60	75	08	25	18	731	?	X	X	STD
CANADA BASIN	CB198	74	4.24	142	19.88	75	08	26	18	731	?	X	X	STD
CANADA BASIN	CB200	73	59.41	141	52.23	75	08	27	18	733	?	X	X	STD
CANADA BASIN	CB202	73	51.96	141	22.64	75	08	28	18	728	?	X	X	STD
CANADA BASIN	CB203	73	48.17	141	4.60	75	08	29	18	729	?	X	X	STD
CANADA BASIN	CB205	73	43.54	141	4.87	75	08	30	18	730	?	X	X	STD
CANADA BASIN	CB207	73	40.98	141	7.71	75	08	31	18	729	?	X	X	STD
CANADA BASIN	CB209	73	35.67	140	48.58	75	09	01	18	733	?	X	X	STD
CANADA BASIN	CB211	73	29.14	140	44.33	75	09	02	18	731	?	X	X	STD
CANADA BASIN	CB212	73	30.85	140	40.06	75	09	03	18	735	?	X	X	STD
CANADA BASIN	CB214	73	31.87	140	34.47	75	09	04	18	638	?	X	X	STD
CANADA BASIN	CB216	73	26.71	140	24.35	75	09	05	18	735	?	X	X	STD
CANADA BASIN	CB218	73	25.44	140	34.23	75	09	06	18	730	?	X	X	STD
CANADA BASIN	CB220	73	25.30	140	47.09	75	09	07	18	729	?	X	X	STD
CANADA BASIN	CB221	73	23.78	140	37.29	75	09	08	18	735	?	X	X	STD
CANADA BASIN	CB223	73	23.48	140	15.80	75	09	09	18	728	?	X	X	STD
CANADA BASIN	CB225	73	22.13	139	57.22	75	09	10	18	728	?	X	X	STD
CANADA BASIN	CB227	73	22.77	139	40.55	75	09	11	18	729	?	X	X	STD
CANADA BASIN	CB229	73	22.94	139	21.76	75	09	12	18	676	?	X	X	STD
CANADA BASIN	CB231	73	22.05	139	3.16	75	09	13	19	394	?	X	X	STD
CANADA BASIN	CB233	73	20.83	138	46.54	75	09	14	18	727	?	X	X	STD
CANADA BASIN	CB235	73	21.76	138	59.30	75	09	15	18	731	?	X	X	STD
CANADA BASIN	CB237	73	24.26	139	10.33	75	09	16	18	729	?	X	X	STD
CANADA BASIN	CB239	73	27.53	139	14.57	75	09	17	18	729	?	X	X	STD
CANADA BASIN	CB241	73	28.58	139	11.32	75	09	18	18	729	?	X	X	STD
CANADA BASIN	CB243	73	25.65	139	30.87	75	09	19	18	728	?	X	X	STD
CANADA BASIN	CB245	73	22.80	139	30.62	75	09	20	18	732	?	X	X	STD
CANADA BASIN	CB246	73	22.90	139	0.91	75	09	21	18	486	?	X	X	STD
CANADA BASIN	CB248	73	19.88	138	36.19	75	09	22	18	731	?	X	X	STD
CANADA BASIN	CB250	73	17.85	138	46.12	75	09	23	18	728	?	X	X	STD
CANADA BASIN	CB252	73	5.98	138	20.25	75	09	27	18	731	?	X	X	STD
CANADA BASIN	CB253	73	5.41	138	18.13	75	09	28	18	729	?	X	X	STD
CANADA BASIN	CB255	73	7.10	138	21.56	75	09	29	18	530	?	X	X	STD
CANADA BASIN	CB257	73	9.67	138	35.39	75	09	30	18	728	?	X	X	STD
CANADA BASIN	CB259	73	12.47	139	3.33	75	10	01	18	730	?	X	X	STD
CANADA BASIN	CB261	73	16.22	139	26.38	75	10	02	18	732	?	X	X	STD
CANADA BASIN	CB263	73	20.89	139	42.73	75	10	03	18	730	?	X	X	STD
CANADA BASIN	CB265	73	25.35	139	58.27	75	10	04	18	731	?	X	X	STD
CANADA BASIN	CB267	73	26.94	140	9.10	75	10	05	18	732	?	X	X	STD
CANADA BASIN	CB269	73	26.74	140	17.78	75	10	06	18	730	?	X	X	STD
CANADA BASIN	CB271	73	24.74	140	15.57	75	10	07	18	729	?	X	X	STD
CANADA BASIN	CB273	73	22.75	140	14.62	75	10	08	18	730	?	X	X	STD
CANADA BASIN	CB275	73	20.60	140	12.60	75	10	09	18	609	?	X	X	STD
CANADA BASIN	CB277	73	17.46	140	12.15	75	10	11	18	728	?	X	X	STD
CANADA BASIN	CB279	73	18.02	139	57.88	75	10	12	18	729	?	X	X	STD
CANADA BASIN	CB281	73	16.64	140	6.32	75	10	13	18	732	?	X	X	STD
CANADA BASIN	CB283	73	17.24	140	37.90	75	10	15	18	729	?	X	X	STD
CANADA BASIN	CB285	73	15.61	140	51.87	75	10	17	18	734	?	X	X	STD
CANADA BASIN	CB287	73	15.02	140	55.34	75	10	18	18	728	?	X	X	STD
CANADA BASIN	CB289	73	16.09	141	13.34	75	10	19	18	732	?	X	X	STD
CANADA BASIN	CB291	73	16.88	141	22.97	75	10	20	18	730	?	X	X	STD
CANADA BASIN	CB293	73	17.40	141	26.81	75	10	21	18	730	?	X	X	STD
CANADA BASIN	CB295	73	20.54	141	46.01	75	10	24	05	728	?	X	X	STD



CANADA BASIN	CB297	73	21.85	141	36.11	75	10	25	21	739	?	X	X	STD
CANADA BASIN	CB298	73	4.61	141	14.72	75	10	29	04	735	?	X	X	STD
CANADA BASIN	CB299	72	58.54	141	17.66	75	10	29	20	743	?	X	X	STD
CANADA BASIN	CB300	72	47.59	141	10.65	75	10	31	23	742	?	X	X	STD
CANADA BASIN	CB301	72	47.15	141	6.77	75	11	01	20	743	?	X	X	STD
CANADA BASIN	CB304	72	47.45	141	7.12	75	11	03	05	743	?	X	X	STD
CANADA BASIN	CB306	72	49.39	141	12.52	75	11	04	23	742	?	X	X	STD
CANADA BASIN	CB309	72	50.57	141	10.03	75	11	06	04	737	?	X	X	STD
CANADA BASIN	CB311	72	51.17	141	4.01	75	11	06	18	739	?	X	X	STD
CANADA BASIN	CB312	72	52.60	140	55.61	75	11	07	18	742	?	X	X	STD
CANADA BASIN	CB314	72	54.11	140	57.82	75	11	08	19	740	?	X	X	STD
CANADA BASIN	CB318	72	52.66	140	51.32	75	11	09	19	741	?	X	X	STD
CANADA BASIN	CB320	72	52.81	140	49.99	75	11	10	04	745	?	X	X	STD
CANADA BASIN	CB322	72	52.69	140	48.91	75	11	10	18	753	?	X	X	STD
CANADA BASIN	CB324	72	52.55	140	47.94	75	11	11	04	740	?	X	X	STD
CANADA BASIN	CB326	72	52.50	140	48.26	75	11	11	18	740	?	X	X	STD
CANADA BASIN	CB328	72	52.43	140	48.30	75	11	12	05	742	?	X	X	STD
CANADA BASIN	CB330	72	51.77	140	52.13	75	11	12	18	741	?	X	X	STD
CANADA BASIN	CB332	72	51.17	140	58.03	75	11	13	04	741	?	X	X	STD
CANADA BASIN	CB334	72	49.51	141	8.26	75	11	13	18	657	?	X	X	STD
CANADA BASIN	CB336	72	47.43	141	15.58	75	11	14	04	743	?	X	X	STD
CANADA BASIN	CB339	72	44.41	141	23.00	75	11	14	18	740	?	X	X	STD
CANADA BASIN	CB341	72	43.64	141	22.60	75	11	15	05	743	?	X	X	STD
CANADA BASIN	CB343	72	43.08	141	21.46	75	11	16	02	741	?	X	X	STD
CANADA BASIN	CB345	72	43.10	141	21.70	75	11	16	18	740	?	X	X	STD
CANADA BASIN	CB347	72	43.12	141	21.67	75	11	17	05	737	?	X	X	STD
CANADA BASIN	CB349	72	43.07	141	21.58	75	11	17	18	741	?	X	X	STD
CANADA BASIN	CB351	72	43.11	141	21.67	75	11	18	04	741	?	X	X	STD
CANADA BASIN	CB353	72	43.09	141	21.74	75	11	18	18	741	?	X	X	STD
CANADA BASIN	CB355	72	43.12	141	21.73	75	11	19	04	741	?	X	X	STD
CANADA BASIN	CB357	72	43.13	141	21.74	75	11	19	18	741	?	X	X	STD
CANADA BASIN	CB359	72	44.02	141	26.13	75	11	20	04	741	?	X	X	STD
CANADA BASIN	CB361	72	48.03	141	38.29	75	11	20	20	736	?	X	X	STD
CANADA BASIN	CB363	72	51.01	141	47.42	75	11	21	05	736	?	X	X	STD
CANADA BASIN	CB365	72	56.24	142	0.78	75	11	21	18	733	?	X	X	STD
CANADA BASIN	CB367	73	1.23	142	9.44	75	11	22	05	740	?	X	X	STD
CANADA BASIN	CB371	73	6.11	142	14.63	75	11	23	05	74	?	X	X	STD
CANADA BASIN	CB374	73	6.71	142	21.29	75	11	23	18	743	?	X	X	STD
CANADA BASIN	CB376	73	7.23	142	23.46	75	11	24	04	745	?	X	X	STD
CANADA BASIN	CB378	73	7.39	142	23.34	75	11	24	17	741	?	X	X	STD
CANADA BASIN	CB380	73	7.54	142	26.74	75	11	25	05	740	?	X	X	STD
CANADA BASIN	CB382	73	7.90	142	34.16	75	11	25	18	741	?	X	X	STD
CANADA BASIN	CB384	73	8.91	142	42.38	75	11	26	05	743	?	X	X	STD
CANADA BASIN	CB386	73	11.37	142	50.70	75	11	26	18	736	?	X	X	STD
CANADA BASIN	CB388	73	12.85	142	53.27	75	11	27	05	741	?	X	X	STD
CANADA BASIN	CB390	73	13.24	142	53.83	75	11	27	18	741	?	X	X	STD
CANADA BASIN	CB392	73	13.38	142	54.53	75	11	28	05	741	?	X	X	STD
CANADA BASIN	CB394	73	13.81	142	59.63	75	11	28	18	741	?	X	X	STD
CANADA BASIN	CB396	73	14.32	143	5.02	75	11	29	04	741	?	X	X	STD
CANADA BASIN	CB398	73	14.09	143	9.44	75	11	29	18	741	?	X	X	STD
CANADA BASIN	CB400	73	13.74	143	10.11	75	11	30	05	741	?	X	X	STD
CANADA BASIN	CB402	73	12.94	143	8.36	75	11	30	18	742	?	X	X	STD
CANADA BASIN	CB404	73	11.35	143	3.22	75	12	01	05	740	?	X	X	STD
CANADA BASIN	CB406	73	7.83	142	59.33	75	12	01	18	742	?	X	X	STD
CANADA BASIN	CB408	73	6.10	143	1.60	75	12	02	05	741	?	X	X	STD
CANADA BASIN	CB410	73	4.26	143	0.88	75	12	02	18	741	?	X	X	STD
CANADA BASIN	CB412	73	3.61	142	59.04	75	12	03	05	741	?	X	X	STD
CANADA BASIN	CB414	73	3.49	142	56.96	75	12	03	18	741	?	X	X	STD
CANADA BASIN	CB416	73	3.37	142	56.59	75	12	04	10	741	?	X	X	STD
CANADA BASIN	CB418	73	3.37	142	56.48	75	12	04	18	741	?	X	X	STD
CANADA BASIN	CB420	73	3.36	142	55.86	75	12	05	05	742	?	X	X	STD
CANADA BASIN	CB422	73	3.30	142	55.94	75	12	05	18	742	?	X	X	STD
CANADA BASIN	CB426	73	3.12	142	55.04	75	12	07	02	741	?	X	X	STD
CANADA BASIN	CB428	73	4.46	142	48.38	75	12	07	20	747	?	X	X	STD
CANADA BASIN	CB430	73	6.41	142	45.73	75	12	08	04	742	?	X	X	STD
CANADA BASIN	CB432	73	9.17	142	51.97	75	12	08	18	741	?	X	X	STD
CANADA BASIN	CB434	73	9.27	142	56.89	75	12	09	04	742	?	X	X	STD
CANADA BASIN	CB436	73	7.93	142	57.67	75	12	09	18	741	?	X	X	STD
CANADA BASIN	CB438	73	7.13	142	55.23	75	12	10	05	741	?	X	X	STD
CANADA BASIN	CB440	73	5.68	142	48.26	75	12	10	18	394	?	X	X	STD
CANADA BASIN	CB441	73	1.64	143	7.99	75	12	21	06	740	?	X	X	STD
CANADA BASIN	CB442	73	1.61	143	7.39	75	12	21	18	743	?	X	X	STD
CANADA BASIN	CB444	73	2.07	143	10.69	75	12	22	18	744	?	X	X	STD
CANADA BASIN	CB446	73	2.41	143	13.54	75	12	23	06	746	?	X	X	STD
CANADA BASIN	CB451	73	1.94	143	18.20	75	12	27	19	745	?	X	X	STD
CANADA BASIN	CB452	73	2.63	143	24.33	75	12	28	05	739	?	X	X	STD
CANADA BASIN	CB454	73	3.57	143	31.25	75	12	28	18	742	?	X	X	STD
CANADA BASIN	CB456	73	3.76	143	32.42	75	12	29	05	743	?	X	X	STD
CANADA BASIN	CB458	73	3.10	143	28.44	75	12	29	18	742	?	X	X	STD
CANADA BASIN	CB460	73	2.58	143	23.90	75	12	30	05	745	?	X	X	STD
CANADA BASIN	CB462	73	2.23	143	19.68	75	12	30	18	743	?	X	X	STD
CANADA BASIN	CB464	73	2.21	143	18.86	75	12	31	06	743	?	X	X	STD
CANADA BASIN	CB466	73	3.21	143	23.85	75	12	31	18	741	?	X	X	STD

CANADA BAS IN	CB468	73	5.02	143	32.53	76	01	01	06	740	?	X	X	STD
CANADA BAS IN	CB470	73	6.52	143	36.03	76	01	01	22	745	?	X	X	STD
CANADA BAS IN	CB472	73	6.40	143	34.83	76	01	02	05	753	?	X	X	STD
CANADA BAS IN	CB474	73	7.44	143	38.10	76	01	02	18	741	?	X	X	STD
CANADA BAS IN	CB476	73	8.93	143	43.58	76	01	03	07	739	?	X	X	STD
CANADA BAS IN	CB478	73	11.00	143	48.61	76	01	03	19	740	?	X	X	STD
CANADA BAS IN	CB480	73	14.62	143	54.31	76	01	04	06	742	?	X	X	STD
CANADA BAS IN	CB482	73	18.68	144	2.98	76	01	04	18	742	?	X	X	STD
CANADA BAS IN	CB484	73	21.42	144	8.79	76	01	05	05	745	?	X	X	STD
CANADA BAS IN	CB486	73	22.55	144	11.11	76	01	05	18	2973	?	X	X	STD
CANADA BAS IN	CB488	73	22.64	144	10.82	76	01	06	05	745	?	X	X	STD
CANADA BAS IN	CB490	73	22.82	144	8.83	76	01	06	18	744	?	X	X	STD
CANADA BAS IN	CB492	73	23.44	144	7.69	76	01	07	06	753	?	X	X	STD
CANADA BAS IN	CB494	73	23.90	144	9.14	76	01	07	18	741	?	X	X	STD
CANADA BAS IN	CB496	73	24.16	144	8.90	76	01	08	06	743	?	X	X	STD
CANADA BAS IN	CB498	73	23.53	144	10.48	76	01	08	18	742	?	X	X	STD
CANADA BAS IN	CB500	73	19.82	144	10.90	76	01	09	18	741	?	X	X	STD
CANADA BAS IN	CB502	73	17.36	143	57.30	76	01	10	18	741	?	X	X	STD
CANADA BAS IN	CB504	73	12.13	143	35.99	76	01	11	19	736	?	X	X	STD
CANADA BAS IN	CB506	73	8.56	143	26.69	76	01	12	19	738	?	X	X	STD
CANADA BAS IN	CB508	73	8.57	143	26.51	76	01	13	05	744	?	X	X	STD
CANADA BAS IN	CB510	73	8.58	143	26.47	76	01	13	18	743	?	X	X	STD
CANADA BAS IN	CB512	73	8.59	143	26.50	76	01	14	06	743	?	X	X	STD
CANADA BAS IN	CB514	73	9.14	143	27.29	76	01	14	18	743	?	X	X	STD
CANADA BAS IN	CB515	73	10.37	143	28.39	76	01	15	06	743	?	X	X	STD
CANADA BAS IN	CB517	73	10.63	143	29.08	76	01	15	18	495	?	X	X	STD
CANADA BAS IN	CB519	73	9.55	143	26.64	76	01	16	06	742	?	X	X	STD
CANADA BAS IN	CB521	73	8.46	143	23.48	76	01	16	18	743	?	X	X	STD
CANADA BAS IN	CB523	73	8.69	143	23.65	76	01	17	06	743	?	X	X	STD
CANADA BAS IN	CB525	73	8.84	143	25.72	76	01	17	18	741	?	X	X	STD
CANADA BAS IN	CB527	73	8.39	143	26.26	76	01	18	06	741	?	X	X	STD
CANADA BAS IN	CB529	73	8.16	143	26.14	76	01	18	18	741	?	X	X	STD
CANADA BAS IN	CB530	73	7.93	143	26.03	76	01	19	06	743	?	X	X	STD
CANADA BAS IN	CB531	73	7.51	143	23.47	76	01	19	19	743	?	X	X	STD
CANADA BAS IN	CB533	73	6.92	143	17.17	76	01	20	18	744	?	X	X	STD
CANADA BAS IN	CB534	73	6.91	143	17.29	76	01	21	06	743	?	X	X	STD
CANADA BAS IN	CB535	73	6.74	143	18.96	76	01	21	18	742	?	X	X	STD
CANADA BAS IN	CB536	73	5.98	143	25.90	76	01	22	07	2966	?	X	X	STD
CANADA BAS IN	CB538	73	5.62	143	26.76	76	01	22	19	744	?	X	X	STD
CANADA BAS IN	CB539	73	4.94	143	28.30	76	01	23	05	743	?	X	X	STD
CANADA BAS IN	CB541	73	4.24	143	28.36	76	01	23	18	742	?	X	X	STD
CANADA BAS IN	CB542	73	4.07	143	26.97	76	01	24	05	744	?	X	X	STD
CANADA BAS IN	CB544	73	3.44	143	24.74	76	01	24	18	742	?	X	X	STD
CANADA BAS IN	CB545	73	3.22	143	24.27	76	01	25	05	743	?	X	X	STD
CANADA BAS IN	CB547	73	2.92	143	24.56	76	01	25	19	743	?	X	X	STD
CANADA BAS IN	CB549	73	2.87	143	24.59	76	01	26	05	743	?	X	X	STD
CANADA BAS IN	CB551	73	2.86	143	24.62	76	01	26	18	2967	?	X	X	STD
CANADA BAS IN	CB552	73	2.84	143	24.53	76	01	28	06	102	?	X	X	STD
CANADA BAS IN	CB553	73	2.86	143	24.64	76	01	29	05	742	?	X	X	STD
CANADA BAS IN	CB555	73	3.05	143	27.56	76	01	29	19	741	?	X	X	STD
CANADA BAS IN	CB556	73	3.19	143	34.60	76	01	30	05	738	?	X	X	STD
CANADA BAS IN	CB558	73	3.17	143	37.78	76	01	30	08	737	?	X	X	STD
CANADA BAS IN	CB559	73	3.59	144	1.20	76	01	31	05	744	?	X	X	STD
CANADA BAS IN	CB561	73	4.37	144	10.90	76	01	31	18	744	?	X	X	STD
CANADA BAS IN	CB563	73	5.65	144	13.04	76	02	01	05	744	?	X	X	STD
CANADA BAS IN	CB565	73	6.53	144	14.15	76	02	01	19	745	?	X	X	STD
CANADA BAS IN	CB567	73	6.82	144	12.23	76	02	02	05	745	?	X	X	STD
CANADA BAS IN	CB569	73	6.82	144	7.24	76	02	02	18	2988	?	X	X	STD
CANADA BAS IN	CB570	73	6.76	143	59.53	76	02	03	18	745	?	X	X	STD
CANADA BAS IN	CB572	73	6.29	144	2.01	76	02	04	06	745	?	X	X	STD
CANADA BAS IN	CB574	73	5.82	144	1.22	76	02	04	18	745	?	X	X	STD
CANADA BAS IN	CB576	73	5.53	144	2.31	76	02	05	06	744	?	X	X	STD
CANADA BAS IN	CB578	73	5.10	144	2.97	76	02	05	18	744	?	X	X	STD
CANADA BAS IN	CB580	73	2.59	143	58.51	76	02	06	18	744	?	X	X	STD
CANADA BAS IN	CB582	73	1.74	143	50.14	76	02	07	06	744	?	X	X	STD
CANADA BAS IN	CB584	73	0.22	143	39.94	76	02	07	18	745	?	X	X	STD
CANADA BAS IN	CB586	72	55.68	143	19.15	76	02	10	05	2988	?	X	X	STD
CANADA BAS IN	CB594	72	55.04	143	16.53	76	02	12	18	746	?	X	X	STD
CANADA BAS IN	CB596	72	54.91	143	16.25	76	02	13	06	745	?	X	X	STD
CANADA BAS IN	CB598	72	54.91	143	16.08	76	02	13	18	746	?	X	X	STD
CANADA BAS IN	CB600	72	54.89	143	16.28	76	02	14	06	740	?	X	X	STD
CANADA BAS IN	CB610	72	54.89	143	16.21	76	02	16	18	248	?	X	X	STD
CANADA BAS IN	CB632	72	54.89	143	16.14	76	02	22	18	745	?	X	X	STD
CANADA BAS IN	CB634	72	54.89	143	16.23	76	02	23	06	744	?	X	X	STD
CANADA BAS IN	CB636	72	54.90	143	16.22	76	02	23	18	744	?	X	X	STD
CANADA BAS IN	CB638	72	54.89	143	16.15	76	02	24	05	2989	?	X	X	STD
CANADA BAS IN	CB640	72	54.90	143	16.32	76	02	24	18	745	?	X	X	STD
CANADA BAS IN	CB642	72	54.89	143	16.31	76	02	25	06	745	?	X	X	STD
CANADA BAS IN	CB647	72	56.83	143	14.35	76	02	27	18	745	?	X	X	STD
CANADA BAS IN	CB649	72	56.41	143	13.57	76	02	28	06	746	?	X	X	STD
CANADA BAS IN	CB651	72	56.43	143	13.74	76	02	28	18	747	?	X	X	STD
CANADA BAS IN	CB653	72	56.94	143	14.78	76	02	29	07	745	?	X	X	STD
CANADA BAS IN	CB655	72	58.12	143	17.06	76	02	29	18	746	?	X	X	STD

CANADA	BASIN	CB657	72	59.36	143	20.16	76	03	01	08	746	?	X	X	STD
CANADA	BASIN	CB659	72	59.26	143	21.26	76	03	01	18	745	?	X	X	STD
CANADA	BASIN	CB663	72	56.44	143	41.61	76	03	05	18	746	?	X	X	STD
CANADA	BASIN	CB664	72	56.16	143	39.91	76	03	06	06	745	?	X	X	STD
CANADA	BASIN	CB666	72	56.13	143	39.05	76	03	06	18	745	?	X	X	STD
CANADA	BASIN	CB668	72	57.65	143	49.87	76	03	07	18	742	?	X	X	STD
CANADA	BASIN	CB670	72	58.31	144	0.80	76	03	08	06	744	?	X	X	STD
CANADA	BASIN	CB672	72	58.42	144	9.40	76	03	08	18	745	?	X	X	STD
CANADA	BASIN	CB674	72	58.81	144	16.90	76	03	09	05	1968	?	X	X	STD
CANADA	BASIN	CB676	72	58.70	144	24.60	76	03	10	06	745	?	X	X	STD
CANADA	BASIN	CB678	72	58.62	144	27.70	76	03	10	18	745	?	X	X	STD
CANADA	BASIN	CB680	72	58.33	144	28.82	76	03	11	06	744	?	X	X	STD
CANADA	BASIN	CB682	72	58.31	144	28.67	76	03	11	18	745	?	X	X	STD
CANADA	BASIN	CB684	72	58.14	144	29.24	76	03	12	06	745	?	X	X	STD
CANADA	BASIN	CB686	72	58.07	144	29.28	76	03	12	20	745	?	X	X	STD
CANADA	BASIN	CB687	72	58.08	144	29.43	76	03	12	22	131	?	X	X	STD
CANADA	BASIN	CB688	72	58.05	144	28.64	76	03	13	06	744	?	X	X	STD
CANADA	BASIN	CB690	72	57.80	144	29.37	76	03	13	18	746	?	X	X	STD
CANADA	BASIN	CB692	72	56.88	144	27.25	76	03	14	06	745	?	X	X	STD
CANADA	BASIN	CB694	72	56.21	144	25.91	76	03	14	10	129	?	X	X	STD
CANADA	BASIN	CB696	72	55.05	144	23.84	76	03	14	18	744	?	X	X	STD
CANADA	BASIN	CB698	72	52.51	144	20.53	76	03	15	06	495	?	X	X	STD
CANADA	BASIN	CB700	72	51.44	144	18.82	76	03	15	11	346	?	X	X	STD
CANADA	BASIN	CB702	72	49.73	144	16.70	76	03	15	18	744	?	X	X	STD
CANADA	BASIN	CB704	72	48.69	144	15.21	76	03	15	23	149	?	X	X	STD
CANADA	BASIN	CB706	72	48.26	144	14.62	76	03	16	06	744	?	X	X	STD
CANADA	BASIN	CB708	72	47.62	144	14.71	76	03	16	18	744	?	X	X	STD
CANADA	BASIN	CB710	72	44.90	144	14.03	76	03	17	06	743	?	X	X	STD
CANADA	BASIN	CB712	72	43.39	144	10.21	76	03	17	18	743	?	X	X	STD
CANADA	BASIN	CB714	72	43.34	144	9.85	76	03	18	06	744	?	X	X	STD
CANADA	BASIN	CB716	72	43.34	144	9.94	76	03	18	18	745	?	X	X	STD
CANADA	BASIN	CB718	72	43.33	144	10.00	76	03	19	06	745	?	X	X	STD
CANADA	BASIN	CB720	72	43.35	144	10.10	76	03	19	18	745	?	X	X	STD
CANADA	BASIN	CB722	72	43.36	144	9.92	76	03	20	06	126	?	X	X	STD
CANADA	BASIN	CB724	72	43.34	144	10.01	76	03	20	18	743	?	X	X	STD
CANADA	BASIN	CB727	72	43.36	144	9.76	76	03	21	07	394	?	X	X	STD
CANADA	BASIN	CB729	72	43.34	144	9.85	76	03	22	06	744	?	X	X	STD
CANADA	BASIN	CB731	72	43.33	144	10.03	76	03	22	18	744	?	X	X	STD
CANADA	BASIN	CB733	72	43.30	144	9.84	76	03	23	18	746	?	X	X	STD
CANADA	BASIN	CB735	72	43.33	144	9.68	76	03	24	06	745	?	X	X	STD
CANADA	BASIN	CB737	72	43.34	144	9.82	76	03	24	18	744	?	X	X	STD
CANADA	BASIN	CB739	72	43.37	144	9.74	76	03	25	18	745	?	X	X	STD
CANADA	BASIN	CB741	72	43.37	144	9.60	76	03	26	06	744	?	X	X	STD
CANADA	BASIN	CB743	72	43.36	144	9.47	76	03	26	18	744	?	X	X	STD
CANADA	BASIN	CB745	72	43.38	144	9.53	76	03	27	08	745	?	X	X	STD
CANADA	BASIN	CB747	72	43.34	144	9.58	76	03	27	18	746	?	X	X	STD
CANADA	BASIN	CB749	72	43.33	144	9.72	76	03	28	06	741	?	X	X	STD
CANADA	BASIN	CB751	72	43.36	144	9.55	76	03	28	18	745	?	X	X	STD
CANADA	BASIN	CB753	72	43.37	144	9.47	76	03	29	07	745	?	X	X	STD
CANADA	BASIN	CB757	72	43.37	144	9.56	76	03	30	06	745	?	X	X	STD
CANADA	BASIN	CB759	72	43.38	144	9.55	76	03	30	18	745	?	X	X	STD
CANADA	BASIN	CB761	72	43.36	144	9.50	76	03	31	06	745	?	X	X	STD
CANADA	BASIN	CB763	72	43.36	144	9.46	76	03	31	18	744	?	X	X	STD
CANADA	BASIN	CB765	72	43.36	144	9.03	76	04	01	06	745	?	X	X	STD
CANADA	BASIN	CB767	72	43.37	144	9.54	76	04	01	18	745	?	X	X	STD
CANADA	BASIN	CB769	72	43.36	144	9.53	76	04	02	06	745	?	X	X	STD
CANADA	BASIN	CB771	72	43.36	144	9.53	76	04	02	18	744	?	X	X	STD
CANADA	BASIN	CB773	72	43.36	144	9.46	76	04	03	06	745	?	X	X	STD
CANADA	BASIN	CB775	72	43.36	144	9.43	76	04	03	18	745	?	X	X	STD
CANADA	BASIN	CB777	72	43.37	144	9.64	76	04	04	06	745	?	X	X	STD
CANADA	BASIN	CB779	72	43.36	144	9.42	76	04	04	18	994	?	X	X	STD
CANADA	BASIN	CB781	72	42.99	144	13.43	76	04	05	06	744	?	X	X	STD
CANADA	BASIN	CB783	72	42.83	144	15.45	76	04	05	18	744	?	X	X	STD
CANADA	BASIN	CB785	72	42.80	144	17.08	76	04	06	06	745	?	X	X	STD
CANADA	BASIN	CB787	72	42.88	144	17.92	76	04	06	18	745	?	X	X	STD
CANADA	BASIN	CB790	72	42.85	144	17.65	76	04	07	06	745	?	X	X	STD
CANADA	BASIN	CB792	72	42.84	144	17.73	76	04	07	18	745	?	X	X	STD
CANADA	BASIN	CB794	72	42.84	144	17.40	76	04	08	06	744	?	X	X	STD
CANADA	BASIN	CB796	72	43.31	144	18.99	76	04	08	18	745	?	X	X	STD
CANADA	BASIN	CB798	72	45.33	144	23.24	76	04	09	06	744	?	X	X	STD
CANADA	BASIN	CB800	72	44.21	144	25.90	76	04	10	06	744	?	X	X	STD
CANADA	BASIN	CB802	72	43.40	144	29.14	76	04	10	19	745	?	X	X	STD
CANADA	BASIN	CB804	72	43.07	144	33.55	76	04	11	06	744	?	X	X	STD
CANADA	BASIN	CB806	72	43.46	144	43.60	76	04	11	18	992	?	X	X	STD
CANADA	BASIN	CB808	72	44.36	144	53.27	76	04	12	06	743	?	X	X	STD
CANADA	BASIN	CB810	72	44.57	144	55.54	76	04	12	18	744	?	X	X	STD
CANADA	BASIN	CB812	72	44.38	144	54.29	76	04	13	06	744	?	X	X	STD
CANADA	BASIN	CB814	72	44.18	144	52.36	76	04	13	18	744	?	X	X	STD
CANADA	BASIN	CB818	72	44.99	144	33.18	76	04	15	18	744	?	X	X	STD
CANADA	BASIN	CB820	72	45.88	144	26.17	76	04	16	18	744	?	X	X	STD
CANADA	BASIN	CB822	72	45.52	144	26.15	76	04	17	18	743	?	X	X	STD
CANADA	BASIN	CB824	72	45.50	144	27.26	76	04	18	06	744	?	X	X	STD
CANADA	BASIN	CB826	72	45.40	144	29.11	76	04	18	18	993	?	X	X	STD

CANADA BAS IN	CB828	72	45.03	144	34.19	76	04	19	06	744	?	X	X	STD
CANADA BAS IN	CB830	72	44.63	144	37.49	76	04	19	18	743	?	X	X	STD
CANADA BAS IN	CB832	72	44.03	144	42.31	76	04	20	06	744	?	X	X	STD
CANADA BAS IN	CB834	72	43.91	144	43.25	76	04	20	18	744	?	X	X	STD
CANADA BAS IN	CB836	72	43.60	144	48.07	76	04	21	06	743	?	X	X	STD
CANADA BAS IN	CB838	72	43.57	144	48.63	76	04	21	18	744	?	X	X	STD
CANADA BAS IN	CB840	72	43.52	144	52.98	76	04	22	06	744	?	X	X	STD
CANADA BAS IN	CB842	72	43.51	144	52.97	76	04	22	18	744	?	X	X	STD
CANADA BAS IN	CB844	72	43.53	144	53.30	76	04	23	06	744	?	X	X	STD
CANADA BAS IN	CB846	72	43.58	144	53.75	76	04	23	18	744	?	X	X	STD
CANADA BAS IN	CB848	72	43.69	144	57.79	76	04	24	18	744	?	X	X	STD
CANADA BAS IN	CB849	72	44.21	145	3.30	76	04	25	06	743	?	X	X	STD
CANADA BAS IN	CB852	72	44.90	145	6.95	76	04	25	18	247	?	X	X	STD
CANADA BAS IN	BF 1	77	16.99	143	30.88	75	05	10	19	729	?	X	X	STD
CANADA BAS IN	BF 2	77	13.30	143	23.24	75	05	11	20	730	?	X	X	STD
CANADA BAS IN	BF 3	77	8.46	143	23.36	75	05	13	01	732	?	X	X	STD
CANADA BAS IN	BF 4	77	5.09	143	25.78	75	05	13	19	730	?	X	X	STD
CANADA BAS IN	BF 5	77	1.06	143	12.87	75	05	14	21	731	?	X	X	STD
CANADA BAS IN	BF 6	76	57.16	143	3.42	75	05	15	18	730	?	X	X	STD
CANADA BAS IN	BF 7	76	56.06	143	3.44	75	05	16	18	731	?	X	X	STD
CANADA BAS IN	BF 8	76	59.10	143	14.76	75	05	17	18	728	?	X	X	STD
CANADA BAS IN	BF 9	76	59.59	143	33.49	75	05	18	18	729	?	X	X	STD
CANADA BAS IN	BF 10	76	56.93	143	45.47	75	05	19	18	729	?	X	X	STD
CANADA BAS IN	BF 11	76	55.00	143	47.89	75	05	20	18	731	?	X	X	STD
CANADA BAS IN	BF 12	76	55.04	143	40.64	75	05	21	18	731	?	X	X	STD
CANADA BAS IN	BF 13	76	57.17	143	29.38	75	05	22	18	727	?	X	X	STD
CANADA BAS IN	BF 14	76	57.37	143	18.76	75	05	23	18	729	?	X	X	STD
CANADA BAS IN	BF 15	76	56.26	143	13.72	75	05	24	18	729	?	X	X	STD
CANADA BAS IN	BF 16	76	57.29	143	12.26	75	05	25	18	729	?	X	X	STD
CANADA BAS IN	BF 17	76	58.04	143	25.31	75	05	26	18	729	?	X	X	STD
CANADA BAS IN	BF 18	76	58.21	143	45.62	75	05	27	18	738	?	X	X	STD
CANADA BAS IN	BF 19	77	0.10	144	8.12	75	05	28	18	728	?	X	X	STD
CANADA BAS IN	BF 20	77	3.84	144	32.15	75	05	29	23	728	?	X	X	STD
CANADA BAS IN	BF 21	77	5.66	144	43.43	75	05	30	18	747	?	X	X	STD
CANADA BAS IN	BF 22	77	6.32	144	52.57	75	05	31	18	730	?	X	X	STD
CANADA BAS IN	BF 23	77	6.29	145	5.32	75	06	01	18	752	?	X	X	STD
CANADA BAS IN	BF 24	77	6.26	145	16.54	75	06	02	18	729	?	X	X	STD
CANADA BAS IN	BF 25	77	6.97	145	26.74	75	06	03	18	730	?	X	X	STD
CANADA BAS IN	BF 26	77	7.40	145	42.47	75	06	04	18	735	?	X	X	STD
CANADA BAS IN	BF 27	77	6.17	145	57.07	75	06	05	18	735	?	X	X	STD
CANADA BAS IN	BF 28	77	3.97	146	8.78	75	06	06	18	733	?	X	X	STD
CANADA BAS IN	BF 29	77	1.68	146	18.87	75	06	07	18	731	?	X	X	STD
CANADA BAS IN	BF 30	76	57.92	146	24.25	75	06	08	18	200	?	X	X	STD
CANADA BAS IN	BF 31	76	54.25	146	21.28	75	06	09	18	729	?	X	X	STD
CANADA BAS IN	BF 32	76	52.52	146	15.02	75	06	10	18	731	?	X	X	STD
CANADA BAS IN	BF 33	76	51.69	146	9.91	75	06	11	18	731	?	X	X	STD
CANADA BAS IN	BF 34	76	49.61	146	8.20	75	06	12	18	731	?	X	X	STD
CANADA BAS IN	BF 35	76	48.05	146	13.95	75	06	13	18	731	?	X	X	STD
CANADA BAS IN	BF 36	76	47.74	146	15.88	75	06	14	18	730	?	X	X	STD
CANADA BAS IN	BF 37	76	48.65	146	19.73	75	06	15	18	732	?	X	X	STD
CANADA BAS IN	BF 38	76	48.39	146	24.83	75	06	16	18	731	?	X	X	STD
CANADA BAS IN	BF 39	76	51.53	146	38.75	75	06	17	18	732	?	X	X	STD
CANADA BAS IN	BF 40	76	49.72	147	0.44	75	06	18	18	732	?	X	X	STD
CANADA BAS IN	BF 41	76	46.33	147	7.54	75	06	19	18	732	?	X	X	STD
CANADA BAS IN	BF 42	76	44.96	147	12.91	75	06	20	18	730	?	X	X	STD
CANADA BAS IN	BF 43	76	44.61	147	13.27	75	06	21	18	732	?	X	X	STD
CANADA BAS IN	BF 44	76	48.40	147	14.20	75	06	22	18	731	?	X	X	STD
CANADA BAS IN	BF 45	76	49.84	147	23.15	75	06	23	18	732	?	X	X	STD
CANADA BAS IN	BF 46	76	50.21	147	28.79	75	06	24	18	732	?	X	X	STD
CANADA BAS IN	BF 47	76	49.00	147	19.57	75	06	25	18	731	?	X	X	STD
CANADA BAS IN	BF 48	76	48.41	147	10.03	75	06	26	18	733	?	X	X	STD
CANADA BAS IN	BF 49	76	49.84	147	12.90	75	06	27	18	730	?	X	X	STD
CANADA BAS IN	BF 50	76	50.55	146	57.25	75	06	28	18	731	?	X	X	STD
CANADA BAS IN	BF 51	76	48.14	146	35.59	75	06	29	18	730	?	X	X	STD
CANADA BAS IN	BF 52	76	53.20	146	28.87	75	06	30	18	731	?	X	X	STD
CANADA BAS IN	BF 53	76	54.53	146	12.27	75	07	01	18	732	?	X	X	STD
CANADA BAS IN	BF 54	76	53.28	146	5.51	75	07	02	18	727	?	X	X	STD
CANADA BAS IN	BF 55	76	54.20	145	38.98	75	07	03	18	731	?	X	X	STD
CANADA BAS IN	BF 56	76	52.63	145	18.83	75	07	04	18	732	?	X	X	STD
CANADA BAS IN	BF 57	76	47.11	144	53.35	75	07	05	18	730	?	X	X	STD
CANADA BAS IN	BF 58	76	42.04	144	31.34	75	07	06	18	732	?	X	X	STD
CANADA BAS IN	BF 59	76	43.31	144	8.73	75	07	07	18	731	?	X	X	STD
CANADA BAS IN	BF 60	76	39.91	143	54.21	75	07	08	18	729	?	X	X	STD
CANADA BAS IN	BF 61	76	42.12	143	41.67	75	07	09	18	731	?	X	X	STD
CANADA BAS IN	BF 62	76	38.87	143	2.38	75	07	10	18	729	?	X	X	STD
CANADA BAS IN	BF 63	76	36.05	142	50.20	75	07	11	18	731	?	X	X	STD
CANADA BAS IN	BF 64	76	36.24	142	46.61	75	07	12	18	731	?	X	X	STD
CANADA BAS IN	BF 65	76	37.52	142	50.87	75	07	13	18	730	?	X	X	STD
CANADA BAS IN	BF 66	76	37.54	142	48.28	75	07	14	18	733	?	X	X	STD
CANADA BAS IN	BF 67	76	35.15	142	51.97	75	07	15	18	731	?	X	X	STD
CANADA BAS IN	BF 68	76	28.04	142	46.21	75	07	16	19	731	?	X	X	STD
CANADA BAS IN	BF 69	76	24.53	142	40.51	75	07	17	18	731	?	X	X	STD
CANADA BAS IN	BF 70	76	20.31	142	35.71	75	07	18	18	729	?	X	X	STD

CANADA BASIN	BF 71	76	13.73	142	38.59	75	07	19	18	730	?	X	X	STD
CANADA BASIN	BF 72	76	7.52	142	31.96	75	07	20	18	733	?	X	X	STD
CANADA BASIN	BF 73	75	59.74	142	35.29	75	07	21	18	731	?	X	X	STD
CANADA BASIN	BF 74	75	53.08	142	37.03	75	07	22	18	730	?	X	X	STD
CANADA BASIN	BF 75	75	48.26	142	41.90	75	07	23	18	731	?	X	X	STD
CANADA BASIN	BF 76	75	44.86	142	48.04	75	07	24	18	731	?	X	X	STD
CANADA BASIN	BF 77	75	42.43	142	53.61	75	07	25	18	731	?	X	X	STD
CANADA BASIN	BF 78	75	40.48	142	56.87	75	07	26	18	728	?	X	X	STD
CANADA BASIN	BF 79	75	38.59	142	55.93	75	07	27	18	731	?	X	X	STD
CANADA BASIN	BF 80	75	36.32	142	50.77	75	07	28	18	731	?	X	X	STD
CANADA BASIN	BF 81	75	33.27	142	24.05	75	07	29	18	730	?	X	X	STD
CANADA BASIN	BF 82	75	25.81	142	3.23	75	07	30	18	731	?	X	X	STD
CANADA BASIN	BF 83	75	20.06	141	41.20	75	07	31	18	729	?	X	X	STD
CANADA BASIN	BF 84	75	14.61	141	19.85	75	08	01	18	730	?	X	X	STD
CANADA BASIN	BF 86	75	10.36	141	10.39	75	08	02	18	731	?	X	X	STD
CANADA BASIN	BF 88	75	7.28	140	59.58	75	08	03	18	731	?	X	X	STD
CANADA BASIN	BF 90	75	6.04	140	38.75	75	08	04	21	728	?	X	X	STD
CANADA BASIN	BF 92	75	6.77	140	10.92	75	08	06	04	728	?	X	X	STD
CANADA BASIN	BF 94	75	5.53	140	7.43	75	08	06	18	733	?	X	X	STD
CANADA BASIN	BF 96	75	4.70	139	59.57	75	08	07	18	728	?	X	X	STD
CANADA BASIN	BF 97	75	4.66	139	47.50	75	08	08	18	732	?	X	X	STD
CANADA BASIN	BF 98	75	2.62	139	11.37	75	08	09	18	731	?	X	X	STD
CANADA BASIN	BF 99	74	57.28	138	49.06	75	08	10	18	733	?	X	X	STD
CANADA BASIN	BF100	74	53.91	138	30.65	75	08	11	18	731	?	X	X	STD
CANADA BASIN	BF101	74	50.48	138	5.90	75	08	12	18	732	?	X	X	STD
CANADA BASIN	BF102	74	53.98	137	46.93	75	08	13	18	727	?	X	X	STD
CANADA BASIN	BF103	74	50.36	137	15.41	75	08	14	18	727	?	X	X	STD
CANADA BASIN	BF104	74	49.82	137	8.12	75	08	15	18	728	?	X	X	STD
CANADA BASIN	BF105	74	48.29	137	3.25	75	08	16	18	731	?	X	X	STD
CANADA BASIN	BF106	74	43.10	137	7.94	75	08	17	18	731	?	X	X	STD
CANADA BASIN	BF107	74	40.53	137	12.83	75	08	18	18	731	?	X	X	STD
CANADA BASIN	BF108	74	39.00	137	22.78	75	08	19	18	676	?	X	X	STD
CANADA BASIN	BF109	74	40.96	137	46.88	75	08	20	18	731	?	X	X	STD
CANADA BASIN	BF110	74	42.04	138	6.70	75	08	21	18	732	?	X	X	STD
CANADA BASIN	BF112	74	40.05	138	11.60	75	08	22	18	730	?	X	X	STD
CANADA BASIN	BF114	74	35.86	138	10.00	75	08	23	18	738	?	X	X	STD
CANADA BASIN	BF116	74	35.79	138	14.04	75	08	24	18	733	?	X	X	STD
CANADA BASIN	BF118	74	34.43	137	56.14	75	08	25	18	733	?	X	X	STD
CANADA BASIN	BF120	74	35.95	137	54.50	75	08	26	18	733	?	X	X	STD
CANADA BASIN	BF122	74	33.06	137	30.74	75	08	27	18	730	?	X	X	STD
CANADA BASIN	BF124	74	24.58	136	59.27	75	08	28	18	732	?	X	X	STD
CANADA BASIN	BF126	74	22.21	136	40.33	75	08	30	?	731	?	X	X	STD
CANADA BASIN	BF128	74	16.54	136	35.06	75	08	30	18	733	?	X	X	STD
CANADA BASIN	BF130	74	10.82	136	30.99	75	08	31	18	737	?	X	X	STD
CANADA BASIN	BF132	74	3.47	136	13.08	75	09	01	18	735	?	X	X	STD
CANADA BASIN	BF134	74	0.66	136	13.29	75	09	02	18	729	?	X	X	STD
CANADA BASIN	BF136	74	0.92	136	13.02	75	09	03	18	733	?	X	X	STD
CANADA BASIN	BF138	74	1.52	136	5.18	75	09	04	18	734	?	X	X	STD
CANADA BASIN	BF140	73	58.79	136	6.16	75	09	05	18	735	?	X	X	STD
CANADA BASIN	BF142	73	54.37	136	17.95	75	09	06	18	734	?	X	X	STD
CANADA BASIN	BF144	73	52.00	136	28.57	75	09	07	18	149	?	X	X	STD
CANADA BASIN	BF146	73	50.22	136	15.88	75	09	08	18	733	?	X	X	STD
CANADA BASIN	BF150	73	48.92	135	21.28	75	09	10	18	731	?	X	X	STD
CANADA BASIN	BF152	73	49.90	135	3.11	75	09	11	18	733	?	X	X	STD
CANADA BASIN	BF154	73	50.68	134	47.65	75	09	12	18	729	?	X	X	STD
CANADA BASIN	BF156	73	50.53	134	32.08	75	09	13	18	481	?	X	X	STD
CANADA BASIN	BF158	73	49.10	134	21.58	75	09	14	18	731	?	X	X	STD
CANADA BASIN	BF160	73	48.38	134	32.18	75	09	15	18	731	?	X	X	STD
CANADA BASIN	BF162	73	49.41	134	41.47	75	09	16	18	730	?	X	X	STD
CANADA BASIN	BF164	73	50.73	134	45.06	75	09	17	18	483	?	X	X	STD
CANADA BASIN	BF166	73	54.19	134	39.23	75	09	18	18	731	?	X	X	STD
CANADA BASIN	BF168	73	50.55	134	58.46	75	09	19	18	239	?	X	X	STD
CANADA BASIN	BF170	73	47.81	134	57.23	75	09	20	18	729	?	X	X	STD
CANADA BASIN	BF172	73	46.61	134	33.28	75	09	21	18	729	?	X	X	STD
CANADA BASIN	BF174	73	42.88	134	12.50	75	09	22	18	730	?	X	X	STD
CANADA BASIN	BF176	73	40.46	134	24.44	75	09	23	18	730	?	X	X	STD
CANADA BASIN	BF178	73	36.34	134	11.39	75	09	24	18	727	?	X	X	STD
CANADA BASIN	BF180	73	30.79	134	0.16	75	09	25	18	730	?	X	X	STD
CANADA BASIN	BF182	73	26.56	133	59.88	75	09	26	18	730	?	X	X	STD
CANADA BASIN	BF184	73	23.69	133	55.08	75	09	27	18	731	?	X	X	STD
CANADA BASIN	BF186	73	21.70	133	50.12	75	09	28	18	741	?	X	X	STD
CANADA BASIN	BF188	73	20.66	133	51.68	75	09	29	18	741	?	X	X	STD
CANADA BASIN	BF190	73	21.98	134	0.70	75	09	30	18	740	?	X	X	STD
CANADA BASIN	BF192	73	23.52	134	20.38	75	10	01	18	732	?	X	X	STD
CANADA BASIN	BF194	73	24.24	134	36.31	75	10	02	18	732	?	X	X	STD
CANADA BASIN	BF198	73	30.16	135	3.57	75	10	04	18	729	?	X	X	STD
CANADA BASIN	BF200	73	32.18	135	14.44	75	10	05	18	742	?	X	X	STD
CANADA BASIN	BF202	73	32.99	135	21.99	75	10	06	18	740	?	X	X	STD
CANADA BASIN	BF204	73	30.76	135	25.53	75	10	07	18	728	?	X	X	STD
CANADA BASIN	BF206	73	27.33	135	23.74	75	10	08	18	730	?	X	X	STD
CANADA BASIN	BF208	73	25.92	135	21.61	75	10	09	18	732	?	X	X	STD
CANADA BASIN	BF210	73	24.70	135	20.63	75	10	10	18	730	?	X	X	STD
CANADA BASIN	BF212	73	22.72	135	24.20	75	10	11	18	742	?	X	X	STD

CANADA BAS IN	BF214	73	22.29	135	9.93	75	10	12	18	731	?	X	X	STD
CANADA BAS IN	BF216	73	21.41	135	15.71	75	10	13	18	731	?	X	X	STD
CANADA BAS IN	BF218	73	18.89	135	26.15	75	10	14	18	731	?	X	X	STD
CANADA BAS IN	BF220	73	21.11	135	42.71	75	10	15	18	730	?	X	X	STD
CANADA BAS IN	BF222	73	24.23	136	0.33	75	10	16	18	729	?	X	X	STD
CANADA BAS IN	BF224	73	23.47	136	0.85	75	10	17	18	741	?	X	X	STD
CANADA BAS IN	BF226	73	20.47	136	4.32	75	10	18	18	741	?	X	X	STD
CANADA BAS IN	BF228	73	20.06	136	20.72	75	10	19	18	740	?	X	X	STD
CANADA BAS IN	BF230	73	21.24	136	30.31	75	10	20	18	728	?	X	X	STD
CANADA BAS IN	BF232	73	21.89	136	34.01	75	10	21	18	731	?	X	X	STD
CANADA BAS IN	BF234	73	21.66	136	36.13	75	10	22	18	729	?	X	X	STD
CANADA BAS IN	BF236	73	21.12	136	38.52	75	10	23	18	731	?	X	X	STD
CANADA BAS IN	BF238	73	29.85	136	54.11	75	10	24	18	730	?	X	X	STD
CANADA BAS IN	BF240	73	29.54	136	47.75	75	10	25	18	730	?	X	X	STD
CANADA BAS IN	BF242	73	25.87	136	32.20	75	10	26	18	731	?	X	X	STD
CANADA BAS IN	BF244	73	22.54	136	16.88	75	10	27	18	731	?	X	X	STD
CANADA BAS IN	BF246	73	18.13	136	13.31	75	10	28	18	730	?	X	X	STD
CANADA BAS IN	BF248	73	9.22	136	26.33	75	10	29	18	727	?	X	X	STD
CANADA BAS IN	BF250	73	0.62	136	22.82	75	10	30	18	730	?	X	X	STD
CANADA BAS IN	BF252	72	57.71	136	23.06	75	10	31	18	730	?	X	X	STD
CANADA BAS IN	BF254	72	56.98	136	18.72	75	11	01	18	730	?	X	X	STD
CANADA BAS IN	BF260	72	57.68	136	20.05	75	11	04	18	730	?	X	X	STD
CANADA BAS IN	BF262	72	58.70	136	21.33	75	11	05	18	159	?	X	X	STD
CANADA BAS IN	BF264	72	59.48	136	16.99	75	11	06	18	734	?	X	X	STD
CANADA BAS IN	BF266	73	1.02	136	10.48	75	11	07	18	732	?	X	X	STD
CANADA BAS IN	BF268	73	3.01	136	12.54	75	11	08	18	731	?	X	X	STD
CANADA BAS IN	BF270	73	2.72	136	7.60	75	11	09	18	739	?	X	X	STD
CANADA BAS IN	BF272	73	1.14	136	5.19	75	11	10	18	729	?	X	X	STD
CANADA BAS IN	BF274	73	0.07	136	3.72	75	11	11	18	730	?	X	X	STD
CANADA BAS IN	BF276	72	59.75	136	7.46	75	11	12	18	732	?	X	X	STD
CANADA BAS IN	BF278	72	57.69	136	24.65	75	11	13	18	732	?	X	X	STD
CANADA BAS IN	BF280	72	52.70	136	34.33	75	11	14	18	732	?	X	X	STD
CANADA BAS IN	BF282	72	49.61	136	27.71	75	11	15	18	729	?	X	X	STD
CANADA BAS IN	BF284	72	47.75	136	18.42	75	11	16	18	731	?	X	X	STD
CANADA BAS IN	BF288	72	47.58	136	16.45	75	11	18	18	732	?	X	X	STD
CANADA BAS IN	BF290	72	47.57	136	16.36	75	11	19	18	731	?	X	X	STD
CANADA BAS IN	BF292	72	48.89	136	19.16	75	11	20	18	732	?	X	X	STD
CANADA BAS IN	BF294	72	53.80	136	23.67	75	11	21	18	730	?	X	X	STD
CANADA BAS IN	BF296	73	1.34	136	29.69	75	11	22	18	734	?	X	X	STD
CANADA BAS IN	BF298	72	55.51	136	59.77	75	12	20	18	730	?	X	X	STD
CANADA BAS IN	BF299	72	55.33	136	58.40	75	12	21	18	731	?	X	X	STD
CANADA BAS IN	BF300	72	55.76	137	1.01	75	12	22	18	732	?	X	X	STD
CANADA BAS IN	BF302	72	56.45	137	5.56	75	12	23	18	732	?	X	X	STD
CANADA BAS IN	BF304	72	55.53	137	3.91	75	12	24	18	731	?	X	X	STD
CANADA BAS IN	BF306	72	54.86	137	2.04	75	12	25	18	733	?	X	X	STD
CANADA BAS IN	BF308	72	54.79	137	2.09	75	12	26	18	730	?	X	X	STD
CANADA BAS IN	BF310	72	55.27	137	8.06	75	12	27	18	733	?	X	X	STD
CANADA BAS IN	BF312	72	57.28	137	21.98	75	12	28	18	733	?	X	X	STD
CANADA BAS IN	BF313	72	57.39	137	19.37	75	12	29	18	730	?	X	X	STD
CANADA BAS IN	BF314	72	55.42	137	9.10	75	12	30	18	732	?	X	X	STD
CANADA BAS IN	BF316	72	55.90	137	10.27	75	12	31	18	731	?	X	X	STD
CANADA BAS IN	BF318	72	59.22	137	20.53	76	01	01	18	733	?	X	X	STD
CANADA BAS IN	BF320	72	59.28	137	22.57	76	01	02	18	750	?	X	X	STD
CANADA BAS IN	BF322	73	2.99	137	35.64	76	01	03	18	730	?	X	X	STD
CANADA BAS IN	BF324	73	8.66	137	43.52	76	01	04	18	730	?	X	X	STD
CANADA BAS IN	BF326	73	11.27	137	51.14	76	01	05	18	735	?	X	X	STD
CANADA BAS IN	BF328	73	10.30	137	49.69	76	01	06	18	733	?	X	X	STD
CANADA BAS IN	BF330	73	11.03	137	49.02	76	01	07	18	733	?	X	X	STD
CANADA BAS IN	BF332	73	10.86	137	51.09	76	01	08	18	731	?	X	X	STD
CANADA BAS IN	BF334	73	8.12	137	50.38	76	01	09	19	729	?	X	X	STD
CANADA BAS IN	BF336	73	5.57	137	39.82	76	01	10	18	730	?	X	X	STD
CANADA BAS IN	BF338	73	2.46	137	21.79	76	01	11	18	730	?	X	X	STD
CANADA BAS IN	BF340	72	58.49	137	11.34	76	01	12	18	730	?	X	X	STD
CANADA BAS IN	BF342	72	58.51	137	11.27	76	01	13	18	729	?	X	X	STD
CANADA BAS IN	BF344	72	58.76	137	12.04	76	01	14	18	735	?	X	X	STD
CANADA BAS IN	BF346	73	0.80	137	15.16	76	01	15	18	731	?	X	X	STD
CANADA BAS IN	BF348	72	59.00	137	8.98	76	01	16	18	732	?	X	X	STD
CANADA BAS IN	BF350	72	58.88	137	10.91	76	01	17	18	730	?	X	X	STD
CANADA BAS IN	BF352	72	58.00	137	11.59	76	01	18	18	730	?	X	X	STD
CANADA BAS IN	BF354	72	57.28	137	9.23	76	01	19	18	731	?	X	X	STD
CANADA BAS IN	BF356	72	56.75	137	3.88	76	01	20	18	731	?	X	X	STD
CANADA BAS IN	BF358	72	56.47	137	5.28	76	01	21	18	730	?	X	X	STD
CANADA BAS IN	BF360	72	55.41	137	13.34	76	01	22	18	732	?	X	X	STD
CANADA BAS IN	BF362	72	54.22	137	14.39	76	01	23	18	732	?	X	X	STD
CANADA BAS IN	BF364	72	53.49	137	10.86	76	01	24	18	732	?	X	X	STD
CANADA BAS IN	BF366	72	53.23	137	10.16	76	01	25	18	737	?	X	X	STD
CANADA BAS IN	BF368	72	53.15	137	10.16	76	01	26	18	731	?	X	X	STD
CANADA BAS IN	BF370	72	53.15	137	10.14	76	01	27	18	728	?	X	X	STD
CANADA BAS IN	BF372	72	53.15	137	10.21	76	01	28	18	730	?	X	X	STD
CANADA BAS IN	BF374	72	53.17	137	10.21	76	01	29	18	731	?	X	X	STD
CANADA BAS IN	BF376	72	54.62	137	21.03	76	01	30	18	730	?	X	X	STD
CANADA BAS IN	BF378	72	57.01	137	43.48	76	01	31	18	728	?	X	X	STD
CANADA BAS IN	BF380	72	58.05	137	48.86	76	02	01	18	728	?	X	X	STD



CANADA BAS IN	BF382	72	57.37	137	44.69	76	02	02	18	731	?	X	X	STD
CANADA BAS IN	BF384	72	56.79	137	36.74	76	02	03	18	732	?	X	X	STD
CANADA BAS IN	BF386	72	56.10	137	36.13	76	02	04	18	729	?	X	X	STD
CANADA BAS IN	BF388	72	55.77	137	36.73	76	02	05	18	732	?	X	X	STD
CANADA BAS IN	BF400	72	47.18	136	57.98	76	02	11	18	731	?	X	X	STD
CANADA BAS IN	BF402	72	47.18	136	57.95	76	02	12	18	731	?	X	X	STD
CANADA BAS IN	BF404	72	47.17	136	57.87	76	02	13	18	729	?	X	X	STD
CANADA BAS IN	BF406	72	47.17	136	57.99	76	02	14	18	732	?	X	X	STD
CANADA BAS IN	BF408	72	47.17	136	58.06	76	02	15	18	733	?	X	X	STD
CANADA BAS IN	BF410	72	47.15	136	57.97	76	02	16	18	730	?	X	X	STD
CANADA BAS IN	BF412	72	47.16	136	57.95	76	02	17	18	731	?	X	X	STD
CANADA BAS IN	BF414	72	47.16	136	57.98	76	02	18	18	731	?	X	X	STD
CANADA BAS IN	BF416	72	47.15	136	58.00	76	02	19	18	730	?	X	X	STD
CANADA BAS IN	BF418	72	47.17	136	58.03	76	02	20	18	731	?	X	X	STD
CANADA BAS IN	BF420	72	47.16	136	58.00	76	02	21	18	731	?	X	X	STD
CANADA BAS IN	BF421	72	47.16	136	57.90	76	02	22	18	733	?	X	X	STD
CANADA BAS IN	BF422	72	47.17	136	57.99	76	02	23	18	732	?	X	X	STD
CANADA BAS IN	BF423	72	47.16	136	57.94	76	02	24	18	731	?	X	X	STD
CANADA BAS IN	BF424	72	47.15	136	58.10	76	02	25	18	729	?	X	X	STD
CANADA BAS IN	BF425	72	47.15	136	58.12	76	02	26	18	730	?	X	X	STD
CANADA BAS IN	BF426	72	48.07	136	56.81	76	02	27	18	732	?	X	X	STD
CANADA BAS IN	BF427	72	47.81	136	56.23	76	02	28	18	729	?	X	X	STD
CANADA BAS IN	BF428	72	48.58	136	58.60	76	02	29	18	731	?	X	X	STD
CANADA BAS IN	BF429	72	50.12	137	2.43	76	03	01	18	732	?	X	X	STD
CANADA BAS IN	BF430	72	49.69	137	0.91	76	03	02	18	731	?	X	X	STD
CANADA BAS IN	BF431	72	48.82	137	1.01	76	03	03	18	175	?	X	X	STD
CANADA BAS IN	BF432	72	49.78	137	15.27	76	03	04	18	729	?	X	X	STD
CANADA BAS IN	BF433	72	48.24	137	16.51	76	03	05	18	730	?	X	X	STD
CANADA BAS IN	BF434	72	47.48	137	12.81	76	03	06	18	728	?	X	X	STD
CANADA BAS IN	BF435	72	47.49	137	13.86	76	03	07	18	730	?	X	X	STD
CANADA BAS IN	BF436	72	47.94	137	21.76	76	03	08	18	727	?	X	X	STD
CANADA BAS IN	BF438	72	48.10	137	23.37	76	03	09	18	484	?	X	X	STD
CANADA BAS IN	BF440	72	48.10	137	23.36	76	03	10	18	730	?	X	X	STD
CANADA BAS IN	BF442	72	48.10	137	23.29	76	03	11	18	725	?	X	X	STD
CANADA BAS IN	BF444	72	48.10	137	23.56	76	03	12	18	729	?	X	X	STD
CANADA BAS IN	BF446	72	48.09	137	23.34	76	03	13	18	728	?	X	X	STD
CANADA BAS IN	BF447	72	47.42	137	20.30	76	03	14	18	728	?	X	X	STD
CANADA BAS IN	BF448	72	45.35	137	13.77	76	03	15	18	729	?	X	X	STD
CANADA BAS IN	BF450	72	45.05	137	13.29	76	03	16	18	727	?	X	X	STD
CANADA BAS IN	BF452	72	43.42	137	10.27	76	03	17	18	729	?	X	X	STD
CANADA BAS IN	BF454	72	43.39	137	9.84	76	03	18	18	728	?	X	X	STD
CANADA BAS IN	BF456	72	43.39	137	9.87	76	03	19	18	728	?	X	X	STD
CANADA BAS IN	BF458	72	43.39	137	9.81	76	03	20	18	728	?	X	X	STD
CANADA BAS IN	BF460	72	43.39	137	9.94	76	03	21	18	733	?	X	X	STD
CANADA BAS IN	BF462	72	43.03	137	9.35	76	03	22	18	728	?	X	X	STD
CANADA BAS IN	BF464	72	43.03	137	9.30	76	03	23	18	727	?	X	X	STD
CANADA BAS IN	BF466	72	43.08	137	9.20	76	03	24	18	729	?	X	X	STD
CANADA BAS IN	BF468	72	43.08	137	8.66	76	03	25	18	729	?	X	X	STD
CANADA BAS IN	BF470	72	43.04	137	9.25	76	03	26	18	728	?	X	X	STD
CANADA BAS IN	BF472	72	43.02	137	9.12	76	03	27	18	676	?	X	X	STD
CANADA BAS IN	BF474	72	43.03	137	9.06	76	03	28	18	728	?	X	X	STD
CANADA BAS IN	BF476	72	43.04	137	9.29	76	03	29	18	728	?	X	X	STD
CANADA BAS IN	BF478	72	43.04	137	8.99	76	03	30	18	727	?	X	X	STD
CANADA BAS IN	BF480	72	43.05	137	9.16	76	03	31	18	727	?	X	X	STD
CANADA BAS IN	BF482	72	43.05	137	9.35	76	04	01	18	728	?	X	X	STD
CANADA BAS IN	BF484	72	43.03	137	9.22	76	04	02	18	728	?	X	X	STD
CANADA BAS IN	BF486	72	43.04	137	9.28	76	04	03	18	733	?	X	X	STD
CANADA BAS IN	BF488	72	43.04	137	9.18	76	04	04	18	726	?	X	X	STD
CANADA BAS IN	BF490	72	43.04	137	9.42	76	04	05	18	728	?	X	X	STD
CANADA BAS IN	BF492	72	43.06	137	9.39	76	04	06	18	730	?	X	X	STD
CANADA BAS IN	BF494	72	43.05	137	9.38	76	04	07	18	728	?	X	X	STD
CANADA BAS IN	BF496	72	43.06	137	9.36	76	04	08	18	676	?	X	X	STD
CANADA BAS IN	BF498	72	46.95	137	15.51	76	04	09	18	727	?	X	X	STD
CANADA BAS IN	BF500	72	46.61	137	19.19	76	04	10	18	728	?	X	X	STD
CANADA BAS IN	BF502	72	45.68	137	19.67	76	04	11	18	726	?	X	X	STD
CANADA BAS IN	BF504	72	46.96	137	32.08	76	04	12	18	727	?	X	X	STD
CANADA BAS IN	BF506	72	46.56	137	30.39	76	04	13	18	727	?	X	X	STD
CANADA BAS IN	BF508	72	47.11	137	30.38	76	04	14	18	725	?	X	X	STD
CANADA BAS IN	BF510	72	46.48	137	18.32	76	04	15	18	729	?	X	X	STD
CANADA BAS IN	BF512	72	47.11	137	14.72	76	04	16	18	728	?	X	X	STD
CANADA BAS IN	BF514	72	47.18	137	16.27	76	04	17	18	728	?	X	X	STD
CANADA BAS IN	BF516	72	47.29	137	19.12	76	04	18	18	726	?	X	X	STD
CANADA BAS IN	BF518	72	46.63	137	25.95	76	04	19	18	725	?	X	X	STD
CANADA BAS IN	BF520	72	46.00	137	25.50	76	04	20	18	676	?	X	X	STD
CANADA BAS IN	SB 1	76	5.96	147	24.45	75	05	16	23	1090	?	X	X	STD
CANADA BAS IN	SB 3	76	9.11	147	38.57	75	05	17	18	553	?	X	X	STD
CANADA BAS IN	SB 5	76	9.65	148	2.33	75	05	18	18	553	?	X	X	STD
CANADA BAS IN	SB 7	76	8.01	148	22.48	75	05	19	18	554	?	X	X	STD
CANADA BAS IN	SB 9	76	6.41	148	21.92	75	05	20	18	555	?	X	X	STD
CANADA BAS IN	SB 11	76	6.49	148	18.35	75	05	21	18	551	?	X	X	STD
CANADA BAS IN	SB 13	76	8.72	148	11.89	75	05	22	18	546	?	X	X	STD
CANADA BAS IN	SB 15	76	9.34	148	3.55	75	05	23	18	548	?	X	X	STD
CANADA BAS IN	SB 17	76	8.65	147	58.75	75	05	24	18	549	?	X	X	STD

CANADA BAS IN	SB 19	76	10.25	148	0.40	75	05	25	18	551	?	X	X	STD
CANADA BAS IN	SB 21	76	10.26	148	15.94	75	05	26	18	541	?	X	X	STD
CANADA BAS IN	SB 24	76	10.76	148	38.76	75	05	27	18	549	?	X	X	STD
CANADA BAS IN	SB 26	76	13.65	149	2.99	75	05	28	18	538	?	X	X	STD
CANADA BAS IN	SB 28	76	16.90	149	21.26	75	05	29	18	545	?	X	X	STD
CANADA BAS IN	SB 30	76	20.52	149	38.16	75	05	30	18	541	?	X	X	STD
CANADA BAS IN	SB 32	76	22.64	149	47.36	75	05	31	18	541	?	X	X	STD
CANADA BAS IN	SB 34	76	23.54	149	57.92	75	06	01	18	547	?	X	X	STD
CANADA BAS IN	SB 36	76	24.32	150	9.79	75	06	02	18	721	?	X	X	STD
CANADA BAS IN	SB 38	76	25.34	150	20.45	75	06	03	18	721	?	X	X	STD
CANADA BAS IN	SB 40	76	26.42	150	38.48	75	06	04	18	724	?	X	X	STD
CANADA BAS IN	SB 42	76	25.97	150	54.94	75	06	05	18	723	?	X	X	STD
CANADA BAS IN	SB 44	76	25.00	151	5.54	75	06	06	18	723	?	X	X	STD
CANADA BAS IN	SB 46	76	23.54	151	14.27	75	06	07	18	722	?	X	X	STD
CANADA BAS IN	SB 48	76	21.62	151	19.06	75	06	08	18	723	?	X	X	STD
CANADA BAS IN	SB 50	76	19.59	151	18.10	75	06	09	18	724	?	X	X	STD
CANADA BAS IN	SB 52	76	18.71	151	15.71	75	06	10	18	723	?	X	X	STD
CANADA BAS IN	SB 54	76	18.35	151	10.80	75	06	11	18	719	?	X	X	STD
CANADA BAS IN	SB 56	76	19.16	151	14.29	75	06	12	19	722	?	X	X	STD
CANADA BAS IN	SB 58	76	18.73	151	22.82	75	06	13	18	721	?	X	X	STD
CANADA BAS IN	SB 60	76	19.69	151	28.82	75	06	14	18	721	?	X	X	STD
CANADA BAS IN	SB 62	76	20.95	151	34.13	75	06	15	18	721	?	X	X	STD
CANADA BAS IN	SB 64	76	21.07	151	38.66	75	06	16	18	721	?	X	X	STD
CANADA BAS IN	SB 66	76	24.53	151	59.66	75	06	17	18	720	?	X	X	STD
CANADA BAS IN	SB 68	76	22.10	152	14.03	75	06	18	18	719	?	X	X	STD
CANADA BAS IN	SB 70	76	20.49	152	19.88	75	06	19	18	722	?	X	X	STD
CANADA BAS IN	SB 72	76	22.29	152	29.18	75	06	20	18	722	?	X	X	STD
CANADA BAS IN	SB 74	76	25.85	152	35.20	75	06	21	18	717	?	X	X	STD
CANADA BAS IN	SB 76	76	29.69	152	37.94	75	06	22	18	725	?	X	X	STD
CANADA BAS IN	SB 78	76	31.73	152	46.64	75	06	23	18	721	?	X	X	STD
CANADA BAS IN	SB 80	76	31.64	152	53.75	75	06	24	18	720	?	X	X	STD
CANADA BAS IN	SB 82	76	31.45	152	42.97	75	06	26	?	718	?	X	X	STD
CANADA BAS IN	SB 84	76	31.84	152	36.82	75	06	26	18	719	?	X	X	STD
CANADA BAS IN	SB 86	76	34.67	152	37.91	75	06	27	18	719	?	X	X	STD
CANADA BAS IN	SB 88	76	35.75	152	26.59	75	06	28	18	720	?	X	X	STD
CANADA BAS IN	SB 90	76	35.59	152	8.72	75	06	29	18	724	?	X	X	STD
CANADA BAS IN	SB 92	76	39.95	152	5.74	75	06	30	18	719	?	X	X	STD
CANADA BAS IN	SB 94	76	39.85	151	51.18	75	07	01	18	720	?	X	X	STD
CANADA BAS IN	SB 96	76	39.73	151	47.77	75	07	02	18	723	?	X	X	STD
CANADA BAS IN	SB 98	76	41.44	151	19.08	75	07	03	18	724	?	X	X	STD
CANADA BAS IN	SB100	76	38.83	150	56.97	75	07	04	18	717	?	X	X	STD
CANADA BAS IN	SB102	76	34.31	150	36.70	75	07	05	18	710	?	X	X	STD
CANADA BAS IN	SB104	76	30.70	150	12.92	75	07	06	18	719	?	X	X	STD
CANADA BAS IN	SB108	76	30.51	149	36.23	75	07	08	18	720	?	X	X	STD
CANADA BAS IN	SB110	76	30.59	148	51.08	75	07	10	18	720	?	X	X	STD
CANADA BAS IN	SB112	76	29.21	148	43.57	75	07	11	18	717	?	X	X	STD
CANADA BAS IN	SB114	76	34.03	148	50.29	75	07	13	18	719	?	X	X	STD
CANADA BAS IN	SB116	76	34.03	148	50.16	75	07	14	18	719	?	X	X	STD
CANADA BAS IN	SB118	76	32.96	148	56.21	75	07	15	19	720	?	X	X	STD
CANADA BAS IN	SB120	76	29.18	148	52.74	75	07	16	18	711	?	X	X	STD
CANADA BAS IN	SB122	76	26.12	148	45.68	75	07	17	18	719	?	X	X	STD
CANADA BAS IN	SB124	76	23.53	148	42.23	75	07	18	18	720	?	X	X	STD
CANADA BAS IN	SB126	76	19.05	148	46.86	75	07	19	18	721	?	X	X	STD
CANADA BAS IN	SB128	76	15.83	148	45.74	75	07	20	18	720	?	X	X	STD
CANADA BAS IN	SB130	76	7.81	148	51.45	75	07	21	18	719	?	X	X	STD
CANADA BAS IN	SB132	75	49.34	149	27.78	75	07	28	18	729	?	X	X	STD
CANADA BAS IN	SB134	75	43.18	149	3.52	75	07	29	18	719	?	X	X	STD
CANADA BAS IN	SB136	75	35.27	148	52.39	75	07	30	18	720	?	X	X	STD
CANADA BAS IN	SB138	75	25.97	148	16.27	75	08	01	18	720	?	X	X	STD
CANADA BAS IN	SB140	75	23.63	148	8.87	75	08	02	18	720	?	X	X	STD
CANADA BAS IN	SB142	75	22.26	147	58.05	75	08	03	18	720	?	X	X	STD
CANADA BAS IN	SB144	75	23.92	147	39.29	75	08	04	18	720	?	X	X	STD
CANADA BAS IN	SB146	75	25.12	147	12.06	75	08	05	18	720	?	X	X	STD
CANADA BAS IN	SB148	75	22.27	147	2.89	75	08	06	18	721	?	X	X	STD
CANADA BAS IN	SB150	75	20.65	146	58.25	75	08	07	18	721	?	X	X	STD
CANADA BAS IN	SB152	75	21.39	146	44.92	75	08	08	18	720	?	X	X	STD
CANADA BAS IN	SB154	75	17.00	146	2.38	75	08	09	18	721	?	X	X	STD
CANADA BAS IN	SB156	75	7.97	145	50.77	75	08	10	18	720	?	X	X	STD
CANADA BAS IN	SB158	75	1.91	145	36.80	75	08	11	18	720	?	X	X	STD
CANADA BAS IN	SB160	74	59.27	145	12.34	75	08	12	18	720	?	X	X	STD
CANADA BAS IN	SB162	75	3.85	144	50.10	75	08	13	18	720	?	X	X	STD
CANADA BAS IN	SB164	74	59.80	144	19.87	75	08	14	18	720	?	X	X	STD
CANADA BAS IN	SB166	75	2.24	144	13.43	75	08	15	18	720	?	X	X	STD
CANADA BAS IN	SB168	75	3.91	144	5.98	75	08	16	18	719	?	X	X	STD
CANADA BAS IN	SB170	75	0.19	144	10.45	75	08	17	18	722	?	X	X	STD
CANADA BAS IN	SB172	74	59.82	144	12.17	75	08	18	19	721	?	X	X	STD
CANADA BAS IN	SB174	75	0.43	144	22.97	75	08	19	18	721	?	X	X	STD
CANADA BAS IN	SB176	75	3.02	144	45.78	75	08	20	18	721	?	X	X	STD
CANADA BAS IN	SB178	75	3.35	144	56.06	75	08	21	18	719	?	X	X	STD
CANADA BAS IN	SB180	75	1.64	144	51.11	75	08	22	18	719	?	X	X	STD
CANADA BAS IN	SB182	74	57.64	144	41.95	75	08	23	18	719	?	X	X	STD
CANADA BAS IN	SB184	74	57.06	144	34.11	75	08	24	18	719	?	X	X	STD
CANADA BAS IN	SB186	74	57.44	144	9.67	75	08	25	18	721	?	X	X	STD



CANADA	BASIN	SB188	75	1.98	144	4.51	75	08	26	18	720	?	X	X	STD
CANADA	BASIN	SB190	74	57.34	143	46.01	75	08	27	18	722	?	X	X	STD
CANADA	BASIN	SB192	74	49.89	143	14.05	75	08	28	18	722	?	X	X	STD
CANADA	BASIN	SB194	74	47.81	143	9.53	75	08	29	18	721	?	X	X	STD
CANADA	BASIN	SB196	74	37.52	142	59.06	75	08	31	18	722	?	X	X	STD
CANADA	BASIN	SB198	74	31.50	142	36.66	75	09	01	18	720	?	X	X	STD
CANADA	BASIN	SB200	74	27.43	142	35.35	75	09	02	18	722	?	X	X	STD
CANADA	BASIN	SB202	74	28.27	142	38.31	75	09	03	18	721	?	X	X	STD
CANADA	BASIN	SB204	74	28.51	142	39.24	75	09	04	18	722	?	X	X	STD
CANADA	BASIN	SB206	74	23.90	142	43.46	75	09	05	18	720	?	X	X	STD
CANADA	BASIN	SB208	74	23.12	143	0.71	75	09	06	18	720	?	X	X	STD
CANADA	BASIN	SB210	74	21.47	143	7.81	75	09	07	18	721	?	X	X	STD
CANADA	BASIN	SB212	74	20.63	142	45.07	75	09	08	18	721	?	X	X	STD
CANADA	BASIN	SB214	74	20.33	142	12.97	75	09	09	18	720	?	X	X	STD
CANADA	BASIN	SB216	74	18.33	141	48.01	75	09	10	18	720	?	X	X	STD
CANADA	BASIN	SB218	74	19.76	141	24.35	75	09	11	18	719	?	X	X	STD
CANADA	BASIN	SB220	74	20.42	140	58.55	75	09	12	18	721	?	X	X	STD
CANADA	BASIN	SB222	74	18.61	140	42.07	75	09	13	18	720	?	X	X	STD
CANADA	BASIN	SB224	74	17.05	140	37.09	75	09	14	18	730	?	X	X	STD
CANADA	BASIN	SB226	74	22.48	141	0.37	75	09	17	18	721	?	X	X	STD
CANADA	BASIN	SB227	74	23.09	140	48.81	75	09	18	19	719	?	X	X	STD
CANADA	BASIN	SB228	74	19.93	141	1.33	75	09	19	18	722	?	X	X	STD
CANADA	BASIN	SB229	74	17.23	141	3.49	75	09	20	18	721	?	X	X	STD
CANADA	BASIN	SB230	74	19.13	140	28.67	75	09	21	18	721	?	X	X	STD
CANADA	BASIN	SB231	74	17.11	140	25.51	75	09	22	18	723	?	X	X	STD
CANADA	BASIN	SB232	74	14.45	140	43.96	75	09	23	18	720	?	X	X	STD
CANADA	BASIN	SB233	74	8.97	140	26.13	75	09	24	18	720	?	X	X	STD
CANADA	BASIN	SB234	74	2.68	140	16.72	75	09	25	18	721	?	X	X	STD
CANADA	BASIN	SB237	74	13.48	141	45.71	75	10	04	18	721	?	X	X	STD
CANADA	BASIN	SB238	74	15.20	141	55.54	75	10	05	18	737	?	X	X	STD
CANADA	BASIN	SB239	74	14.65	142	6.71	75	10	06	18	741	?	X	X	STD
CANADA	BASIN	SB240	74	13.45	142	10.73	75	10	07	18	738	?	X	X	STD
CANADA	BASIN	SB241	74	11.69	142	10.80	75	10	08	18	740	?	X	X	STD
CANADA	BASIN	SB242	74	9.44	142	11.84	75	10	09	18	742	?	X	X	STD
CANADA	BASIN	SB243	74	7.57	142	10.40	75	10	10	18	742	?	X	X	STD
CANADA	BASIN	SB245	74	6.70	142	5.01	75	10	11	18	737	?	X	X	STD
CANADA	BASIN	SB247	74	7.25	141	38.75	75	10	12	18	741	?	X	X	STD
CANADA	BASIN	SB249	74	5.44	141	45.10	75	10	13	18	741	?	X	X	STD
CANADA	BASIN	SB251	74	4.19	141	53.58	75	10	14	18	741	?	X	X	STD
CANADA	BASIN	SB253	74	5.61	142	12.55	75	10	15	18	739	?	X	X	STD
CANADA	BASIN	SB255	74	6.38	142	34.27	75	10	16	18	739	?	X	X	STD
CANADA	BASIN	SB257	74	2.97	142	34.92	75	10	17	18	685	?	X	X	STD
CANADA	BASIN	SB259	74	2.60	142	36.73	75	10	18	18	736	?	X	X	STD
CANADA	BASIN	SB261	74	3.77	142	54.69	75	10	19	18	740	?	X	X	STD
CANADA	BASIN	SB263	74	4.66	143	6.46	75	10	20	18	741	?	X	X	STD
CANADA	BASIN	SB265	74	5.07	143	11.11	75	10	21	18	731	?	X	X	STD
CANADA	BASIN	SB267	74	3.53	143	10.16	75	10	22	18	727	?	X	X	STD
CANADA	BASIN	SB269	74	4.46	143	13.88	75	10	23	18	723	?	X	X	STD
CANADA	BASIN	SB271	74	9.70	143	35.06	75	10	24	18	723	?	X	X	STD
CANADA	BASIN	SB273	74	10.37	143	25.87	75	10	25	18	723	?	X	X	STD
CANADA	BASIN	SB275	74	5.19	143	6.44	75	10	26	19	723	?	X	X	STD
CANADA	BASIN	SB277	74	1.58	142	52.97	75	10	27	18	727	?	X	X	STD
CANADA	BASIN	SB279	73	54.03	143	1.29	75	10	28	18	723	?	X	X	STD
CANADA	BASIN	SB281	73	44.62	143	9.31	75	10	29	18	726	?	X	X	STD
CANADA	BASIN	SB283	73	36.48	143	3.89	75	10	30	18	574	?	X	X	STD
CANADA	BASIN	SB285	73	32.41	143	3.74	75	10	31	18	724	?	X	X	STD
CANADA	BASIN	SB287	73	32.02	142	58.44	75	11	01	18	721	?	X	X	STD
CANADA	BASIN	SB289	73	32.18	142	57.88	75	11	02	18	723	?	X	X	STD
CANADA	BASIN	SB291	73	32.86	142	59.52	75	11	03	18	742	?	X	X	STD
CANADA	BASIN	SB293	73	34.36	143	1.72	75	11	04	18	741	?	X	X	STD
CANADA	BASIN	SB295	73	36.64	143	1.31	75	11	05	18	741	?	X	X	STD
CANADA	BASIN	SB297	73	38.99	142	49.42	75	11	06	18	739	?	X	X	STD
CANADA	BASIN	SB299	73	41.41	142	39.34	75	11	07	18	741	?	X	X	STD
CANADA	BASIN	SB302	73	42.01	142	34.28	75	11	09	18	741	?	X	X	STD
CANADA	BASIN	SB304	73	43.25	142	32.57	75	11	10	18	741	?	X	X	STD
CANADA	BASIN	SB306	73	42.98	142	32.00	75	11	11	18	693	?	X	X	STD
CANADA	BASIN	SB308	73	42.11	142	34.56	75	11	12	18	742	?	X	X	STD
CANADA	BASIN	SB310	73	39.58	142	50.87	75	11	13	18	741	?	X	X	STD
CANADA	BASIN	SB312	73	32.49	143	9.48	75	11	14	18	723	?	X	X	STD
CANADA	BASIN	SB314	73	30.22	143	10.73	75	11	15	18	742	?	X	X	STD
CANADA	BASIN	SB316	73	29.87	143	8.27	75	11	16	18	739	?	X	X	STD
CANADA	BASIN	SB318	73	29.92	143	8.72	75	11	17	18	741	?	X	X	STD
CANADA	BASIN	SB320	73	29.83	143	8.47	75	11	18	18	240	?	X	X	STD
CANADA	BASIN	SB322	73	29.90	143	8.72	75	11	19	18	667	?	X	X	STD
CANADA	BASIN	SB324	73	34.18	143	20.47	75	11	20	18	735	?	X	X	STD
CANADA	BASIN	SB326	73	42.89	143	42.23	75	11	21	18	736	?	X	X	STD
CANADA	BASIN	SB328	73	50.92	143	53.63	75	11	22	18	741	?	X	X	STD
CANADA	BASIN	SB330	73	52.22	144	2.70	75	11	23	18	740	?	X	X	STD
CANADA	BASIN	SB332	73	52.93	144	10.01	75	11	24	18	742	?	X	X	STD
CANADA	BASIN	SB334	73	53.91	144	26.15	75	11	25	18	740	?	X	X	STD
CANADA	BASIN	SB336	73	57.90	144	42.44	75	11	26	18	738	?	X	X	STD
CANADA	BASIN	SB338	74	0.76	144	48.02	75	11	27	19	741	?	X	X	STD
CANADA	BASIN	SB340	74	1.15	144	53.54	75	11	28	18	741	?	X	X	STD

CANADA	BASIN	SB342	74	1.19	145	3.35	75	11	29	18	742	?	X	X	STD
CANADA	BASIN	SB344	73	59.83	145	1.64	75	11	30	18	741	?	X	X	STD
CANADA	BASIN	SB346	73	54.85	144	55.15	75	12	01	18	740	?	X	X	STD
CANADA	BASIN	SB348	73	52.30	144	56.84	75	12	02	18	742	?	X	X	STD
CANADA	BASIN	SB350	73	51.47	144	50.96	75	12	03	18	741	?	X	X	STD
CANADA	BASIN	SB352	73	51.32	144	50.15	75	12	04	18	742	?	X	X	STD
CANADA	BASIN	SB354	73	51.18	144	49.82	75	12	05	18	741	?	X	X	STD
CANADA	BASIN	SB356	73	50.95	144	49.18	75	12	06	18	741	?	X	X	STD
CANADA	BASIN	SB358	73	52.40	144	39.86	75	12	07	18	740	?	X	X	STD
CANADA	BASIN	SB362	73	49.96	144	33.30	75	12	11	18	740	?	X	X	STD
CANADA	BASIN	SB365	73	49.94	144	33.16	75	12	12	19	741	?	X	X	STD
CANADA	BASIN	SB366	73	50.32	144	36.08	75	12	13	18	740	?	X	X	STD
CANADA	BASIN	SB367	73	52.58	144	52.91	75	12	14	20	741	?	X	X	STD
CANADA	BASIN	SB369	73	54.08	144	51.37	75	12	16	20	199	?	X	X	STD
CANADA	BASIN	SB370	73	54.68	145	12.49	75	12	17	19	742	?	X	X	STD
CANADA	BASIN	SB372	73	50.52	145	10.50	75	12	18	19	740	?	X	X	STD
CANADA	BASIN	SB374	73	48.75	145	2.60	75	12	19	18	742	?	X	X	STD
CANADA	BASIN	SB376	73	48.22	144	57.85	75	12	20	18	741	?	X	X	STD
CANADA	BASIN	SB378	73	47.98	144	55.37	75	12	21	17	739	?	X	X	STD
CANADA	BASIN	SB380	73	48.46	144	58.13	75	12	22	18	741	?	X	X	STD
CANADA	BASIN	SB390	73	50.00	145	18.32	75	12	28	18	752	?	X	X	STD
CANADA	BASIN	SB392	73	49.39	145	15.62	75	12	29	19	746	?	X	X	STD
CANADA	BASIN	SB394	73	48.81	145	6.86	75	12	30	18	747	?	X	X	STD
CANADA	BASIN	SB396	73	50.18	145	10.76	75	12	31	19	745	?	X	X	STD
CANADA	BASIN	SB398	73	53.14	145	23.94	76	01	01	18	746	?	X	X	STD
CANADA	BASIN	SB400	73	55.31	145	26.42	76	01	02	18	747	?	X	X	STD
CANADA	BASIN	SB402	73	59.41	145	34.39	76	01	03	18	746	?	X	X	STD
CANADA	BASIN	SB404	74	6.79	145	45.31	76	01	04	18	275	?	X	X	STD
CANADA	BASIN	SB406	74	10.92	145	52.07	76	01	05	18	747	?	X	X	STD
CANADA	BASIN	SB410	74	12.79	145	46.34	76	01	07	18	747	?	X	X	STD
CANADA	BASIN	SB412	74	12.37	145	47.96	76	01	08	18	276	?	X	X	STD
CANADA	BASIN	SB414	74	6.30	145	34.49	76	01	10	18	274	?	X	X	STD
CANADA	BASIN	SB416	74	1.06	145	16.49	76	01	11	18	746	?	X	X	STD
CANADA	BASIN	SB418	73	57.62	145	6.16	76	01	12	18	745	?	X	X	STD
CANADA	BASIN	SB420	73	57.56	145	5.74	76	01	13	18	749	?	X	X	STD
CANADA	BASIN	SB422	73	58.18	145	6.20	76	01	14	18	745	?	X	X	STD
CANADA	BASIN	SB424	73	59.76	145	8.26	76	01	15	18	746	?	X	X	STD
CANADA	BASIN	SB426	73	58.69	145	6.90	76	01	16	05	746	?	X	X	STD
CANADA	BASIN	SB428	73	57.48	145	2.98	76	01	16	19	746	?	X	X	STD
CANADA	BASIN	SB429	73	57.68	145	2.78	76	01	17	06	746	?	X	X	STD
CANADA	BASIN	SB431	73	57.61	145	4.23	76	01	17	19	746	?	X	X	STD
CANADA	BASIN	SB433	73	57.21	145	4.18	76	01	18	07	750	?	X	X	STD
CANADA	BASIN	SB435	73	57.02	145	4.03	76	01	18	18	760	?	X	X	STD
CANADA	BASIN	SB437	73	56.86	145	3.50	76	01	19	05	746	?	X	X	STD
CANADA	BASIN	SB439	73	56.33	145	0.49	76	01	19	19	746	?	X	X	STD
CANADA	BASIN	SB441	73	55.95	144	56.41	76	01	20	05	748	?	X	X	STD
CANADA	BASIN	SB443	73	55.67	144	54.46	76	01	20	18	748	?	X	X	STD
CANADA	BASIN	SB444	73	55.66	144	54.56	76	01	21	05	743	?	X	X	STD
CANADA	BASIN	SB446	73	55.51	144	55.91	76	01	21	18	746	?	X	X	STD
CANADA	BASIN	SB448	73	54.86	145	1.19	76	01	22	05	746	?	X	X	STD
CANADA	BASIN	SB450	73	54.28	145	3.28	76	01	22	18	745	?	X	X	STD
CANADA	BASIN	SB452	73	52.81	145	5.14	76	01	23	18	746	?	X	X	STD
CANADA	BASIN	SB454	73	52.68	145	3.34	76	01	24	05	745	?	X	X	STD
CANADA	BASIN	SB456	73	52.00	145	0.75	76	01	24	18	749	?	X	X	STD
CANADA	BASIN	SB458	73	51.67	145	0.47	76	01	25	05	744	?	X	X	STD
CANADA	BASIN	SB460	73	51.32	145	0.54	76	01	25	19	746	?	X	X	STD
CANADA	BASIN	SB462	73	51.28	145	0.56	76	01	26	05	745	?	X	X	STD
CANADA	BASIN	SB464	73	51.28	145	0.61	76	01	26	18	747	?	X	X	STD
CANADA	BASIN	SB466	73	51.29	145	0.55	76	01	27	05	745	?	X	X	STD
CANADA	BASIN	SB468	73	51.27	145	0.52	76	01	27	18	747	?	X	X	STD
CANADA	BASIN	SB470	73	51.26	145	0.70	76	01	28	06	748	?	X	X	STD
CANADA	BASIN	SB472	73	51.26	145	0.60	76	01	28	18	748	?	X	X	STD
CANADA	BASIN	SB474	73	51.28	145	0.68	76	01	29	05	749	?	X	X	STD
CANADA	BASIN	SB476	73	51.46	145	2.83	76	01	29	18	746	?	X	X	STD
CANADA	BASIN	SB478	73	51.73	145	10.35	76	01	30	05	740	?	X	X	STD
CANADA	BASIN	SB480	73	53.11	145	45.67	76	01	31	18	741	?	X	X	STD
CANADA	BASIN	SB482	73	55.34	145	48.91	76	02	01	18	746	?	X	X	STD
CANADA	BASIN	SB484	73	56.24	145	29.57	76	02	03	18	748	?	X	X	STD
CANADA	BASIN	SB486	73	55.22	145	28.46	76	02	04	18	748	?	X	X	STD
CANADA	BASIN	SB488	73	54.15	145	28.28	76	02	05	18	747	?	X	X	STD
CANADA	BASIN	SB490	73	51.23	145	23.26	76	02	06	18	746	?	X	X	STD
CANADA	BASIN	SB492	73	48.03	145	6.56	76	02	07	18	747	?	X	X	STD
CANADA	BASIN	SB494	73	42.98	144	48.04	76	02	09	18	744	?	X	X	STD
CANADA	BASIN	SB496	73	42.90	144	47.63	76	02	10	18	744	?	X	X	STD
CANADA	BASIN	SB498	73	42.87	144	47.50	76	02	11	18	745	?	X	X	STD
CANADA	BASIN	SB500	73	41.72	144	43.78	76	02	12	18	744	?	X	X	STD
CANADA	BASIN	SB502	73	41.60	144	43.35	76	02	13	19	747	?	X	X	STD
CANADA	BASIN	SB504	73	41.60	144	43.48	76	02	14	20	745	?	X	X	STD
CANADA	BASIN	SB506	73	41.59	144	43.51	76	02	15	18	746	?	X	X	STD
CANADA	BASIN	SB508	73	41.57	144	43.48	76	02	16	18	745	?	X	X	STD
CANADA	BASIN	SB509	73	41.59	144	43.33	76	02	17	18	745	?	X	X	STD
CANADA	BASIN	SB510	73	41.59	144	43.44	76	02	18	18	745	?	X	X	STD
CANADA	BASIN	SB511	73	41.59	144	43.48	76	02	19	18	748	?	X	X	STD

CANADA BAS IN	SB513	73	41.58	144	43.45	76	02	21	18	747	?	X	X	STD
CANADA BAS IN	SB515	73	41.59	144	43.37	76	02	22	18	746	?	X	X	STD
CANADA BAS IN	SB517	73	41.60	144	43.48	76	02	23	18	745	?	X	X	STD
CANADA BAS IN	SB519	73	41.60	144	43.59	76	02	24	18	746	?	X	X	STD
CANADA BAS IN	SB521	73	44.68	144	40.58	76	02	27	18	746	?	X	X	STD
CANADA BAS IN	SB522	73	44.26	144	40.11	76	02	28	18	741	?	X	X	STD
CANADA BAS IN	SB524	73	47.91	144	45.15	76	03	01	18	741	?	X	X	STD
CANADA BAS IN	SB525	73	46.80	144	45.25	76	03	02	18	741	?	X	X	STD
CANADA BAS IN	SB526	73	46.84	144	44.68	76	03	03	18	743	?	X	X	STD
CANADA BAS IN	SB527	73	44.32	145	10.33	76	03	05	05	744	?	X	X	STD
CANADA BAS IN	SB528	73	43.16	145	6.10	76	03	06	06	742	?	X	X	STD
CANADA BAS IN	SB529	73	43.14	145	3.71	76	03	06	18	749	?	X	X	STD
CANADA BAS IN	SB530	73	22.09	145	23.06	76	04	01	?	787	?	X	X	STD
CANADA BAS IN	SB550	73	22.04	145	34.24	76	04	07	06	758	?	X	X	STD
CANADA BAS IN	SB552	73	22.02	145	33.70	76	04	07	18	757	?	X	X	STD
CANADA BAS IN	SB554	73	21.98	145	33.24	76	04	08	06	760	?	X	X	STD
CANADA BAS IN	SB556	73	22.48	145	34.71	76	04	08	18	757	?	X	X	STD
CANADA BAS IN	SB558	73	24.59	145	38.68	76	04	09	06	756	?	X	X	STD
CANADA BAS IN	SB560	73	24.81	145	39.53	76	04	09	18	757	?	X	X	STD
CANADA BAS IN	SB562	73	23.44	145	42.68	76	04	10	05	757	?	X	X	STD
CANADA BAS IN	SB564	73	22.76	145	48.01	76	04	10	18	757	?	X	X	STD
CANADA BAS IN	SB566	73	22.49	145	55.76	76	04	11	06	756	?	X	X	STD
CANADA BAS IN	SB568	73	22.78	146	5.00	76	04	11	18	757	?	X	X	STD
CANADA BAS IN	SB570	73	23.80	146	12.69	76	04	12	05	758	?	X	X	STD
CANADA BAS IN	SB572	73	24.02	146	13.04	76	04	12	18	762	?	X	X	STD
CANADA BAS IN	SB574	73	23.98	146	12.59	76	04	13	06	757	?	X	X	STD
CANADA BAS IN	SB576	73	23.78	146	10.98	76	04	13	18	756	?	X	X	STD
CANADA BAS IN	SB578	73	23.56	146	9.34	76	04	14	06	756	?	X	X	STD
CANADA BAS IN	SB580	73	23.37	146	5.93	76	04	14	18	756	?	X	X	STD
CANADA BAS IN	SB582	73	23.87	145	57.05	76	04	15	06	756	?	X	X	STD
CANADA BAS IN	SB584	73	24.64	145	51.82	76	04	15	18	762	?	X	X	STD
CANADA BAS IN	SB586	73	25.46	145	44.67	76	04	16	06	756	?	X	X	STD
CANADA BAS IN	SB588	73	25.72	145	43.67	76	04	16	18	756	?	X	X	STD
CANADA BAS IN	SB590	73	25.52	145	43.58	76	04	17	06	756	?	X	X	STD
CANADA BAS IN	SB592	73	25.64	145	43.92	76	04	17	18	756	?	X	X	STD
CANADA BAS IN	SB594	73	25.87	145	44.47	76	04	18	05	756	?	X	X	STD
CANADA BAS IN	SB596	73	25.79	145	45.70	76	04	18	18	756	?	X	X	STD
CANADA BAS IN	SB598	73	25.51	145	50.04	76	04	19	06	756	?	X	X	STD
CANADA BAS IN	SB600	73	24.91	145	53.45	76	04	19	18	756	?	X	X	STD
CANADA BAS IN	SB602	73	23.98	145	58.65	76	04	20	06	755	?	X	X	STD
CANADA BAS IN	SB604	73	23.74	146	0.74	76	04	20	18	756	?	X	X	STD
CANADA BAS IN	BB 4	99	59.99	99	59.99	75	04	04	06	997	?	X	X	STD
CANADA BAS IN	BB 5	99	59.99	99	59.99	75	04	05	06	999	?	X	X	STD
CANADA BAS IN	BB 6	99	59.99	99	59.99	75	04	06	06	727	?	X	X	STD
CANADA BAS IN	BB 7	99	59.99	99	59.99	75	04	06	17	991	?	X	X	STD
CANADA BAS IN	BB 8	99	59.99	99	59.99	75	04	07	05	976	?	X	X	STD
CANADA BAS IN	BB 9	99	59.99	99	59.99	75	04	07	17	971	?	X	X	STD
CANADA BAS IN	BB 10	99	59.99	99	59.99	75	04	08	05	730	?	X	X	STD
CANADA BAS IN	BB 13	99	59.99	99	59.99	75	04	09	06	975	?	X	X	STD
CANADA BAS IN	BB 14	99	59.99	99	59.99	75	04	09	18	179	?	X	X	STD
CANADA BAS IN	BB 22	99	59.99	99	59.99	75	04	10	17	731	?	X	X	STD
CANADA BAS IN	BB 24	76	21.11	145	20.99	75	04	11	05	728	?	X	X	STD
CANADA BAS IN	BB 28	76	21.37	145	15.33	75	04	12	05	729	?	X	X	STD
CANADA BAS IN	BB 30	76	21.20	145	15.41	75	04	12	16	728	?	X	X	STD
CANADA BAS IN	BB 32	76	21.28	145	16.15	75	04	13	05	730	?	X	X	STD
CANADA BAS IN	BB 34	76	21.33	145	17.15	75	04	13	17	873	?	X	X	STD
CANADA BAS IN	BB 35	76	21.53	145	17.78	75	04	13	21	731	?	X	X	STD
CANADA BAS IN	BB 37	76	22.36	145	20.45	75	04	14	05	745	?	X	X	STD
CANADA BAS IN	BB 39	76	25.07	145	30.50	75	04	14	17	729	?	X	X	STD
CANADA BAS IN	BB 43	76	29.94	145	34.48	75	04	15	17	739	?	X	X	STD
CANADA BAS IN	BB 45	76	29.27	145	20.95	75	04	16	05	726	?	X	X	STD
CANADA BAS IN	BB 47	76	30.15	145	11.92	75	04	16	17	729	?	X	X	STD
CANADA BAS IN	BB 49	76	30.66	145	0.61	75	04	17	05	724	?	X	X	STD
CANADA BAS IN	BB 51	76	29.99	144	55.60	75	04	17	16	731	?	X	X	STD
CANADA BAS IN	BB 53	76	29.00	144	49.16	75	04	18	04	2927	?	X	X	STD
CANADA BAS IN	BB 55	76	28.75	144	45.32	75	04	18	17	2996	?	X	X	STD
CANADA BAS IN	BB 57	76	28.88	144	38.43	75	04	19	04	727	?	X	X	STD
CANADA BAS IN	BB 59	76	28.85	144	32.96	75	04	19	17	725	?	X	X	STD
CANADA BAS IN	BB 61	76	28.93	144	26.77	75	04	20	04	725	?	X	X	STD
CANADA BAS IN	BB 63	76	28.73	144	25.40	75	04	20	17	742	?	X	X	STD
CANADA BAS IN	BB 65	76	29.31	144	26.40	75	04	21	04	497	?	X	X	STD
CANADA BAS IN	BB 67	76	29.52	144	27.91	75	04	21	17	727	?	X	X	STD
CANADA BAS IN	BB 69	76	29.13	144	31.43	75	04	22	04	727	?	X	X	STD
CANADA BAS IN	BB 71	76	28.36	144	35.62	75	04	22	17	728	?	X	X	STD
CANADA BAS IN	BB 73	76	27.31	144	33.77	75	04	23	04	728	?	X	X	STD
CANADA BAS IN	BB 75	76	26.45	144	31.23	75	04	23	17	745	?	X	X	STD
CANADA BAS IN	BB 77	76	26.23	144	29.65	75	04	24	03	729	?	X	X	STD
CANADA BAS IN	BB 79	76	26.33	144	30.19	75	04	24	17	730	?	X	X	STD
CANADA BAS IN	BB 81	76	25.98	144	28.39	75	04	25	03	712	?	X	X	STD
CANADA BAS IN	BB 83	76	25.79	144	27.82	75	04	25	17	727	?	X	X	STD
CANADA BAS IN	BB 84	76	26.38	144	26.95	75	04	26	04	725	?	X	X	STD
CANADA BAS IN	BB 86	76	26.65	144	26.88	75	04	26	18	727	?	X	X	STD
CANADA BAS IN	BB 89	76	25.83	144	23.40	75	04	27	17	729	?	X	X	STD

CANADA BAS IN	BB 91	76	25.23	144	21.17	75	04	28	05	724	?	X	X	STD
CANADA BAS IN	BB 93	76	25.14	144	20.42	75	04	28	17	726	?	X	X	STD
CANADA BAS IN	BB 95	76	25.20	144	18.09	75	04	29	05	726	?	X	X	STD
CANADA BAS IN	BB 97	76	25.33	144	16.49	75	04	29	17	726	?	X	X	STD
CANADA BAS IN	BB 99	76	26.87	144	7.52	75	04	30	04	724	?	X	X	STD
CANADA BAS IN	BB103	76	27.84	143	40.01	75	05	01	05	730	?	X	X	STD
CANADA BAS IN	BB105	76	27.73	143	39.77	75	05	01	17	727	?	X	X	STD
CANADA BAS IN	BB107	76	27.17	143	40.88	75	05	02	04	725	?	X	X	STD
CANADA BAS IN	BB111	76	26.70	143	50.70	75	05	03	04	728	?	X	X	STD
CANADA BAS IN	BB115	76	25.78	144	2.80	75	05	04	04	724	?	X	X	STD
CANADA BAS IN	BB117	76	25.48	144	8.47	75	05	04	17	727	?	X	X	STD
CANADA BAS IN	BB119	76	25.54	144	19.00	75	05	05	04	727	?	X	X	STD
CANADA BAS IN	BB121	76	25.51	144	33.13	75	05	05	17	727	?	X	X	STD
CANADA BAS IN	BB123	76	26.19	144	44.21	75	05	06	04	725	?	X	X	STD
CANADA BAS IN	BB125	76	26.72	144	55.79	75	05	06	17	725	?	X	X	STD
CANADA BAS IN	BB127	76	27.52	145	3.56	75	05	07	04	726	?	X	X	STD
CANADA BAS IN	BB129	76	27.83	145	7.29	75	05	07	17	726	?	X	X	STD
CANADA BAS IN	BB131	76	28.03	145	9.42	75	05	08	04	725	?	X	X	STD
CANADA BAS IN	BB133	76	28.11	145	12.29	75	05	08	17	723	?	X	X	STD
CANADA BAS IN	BB135	76	28.78	145	14.36	75	05	09	04	727	?	X	X	STD
CANADA BAS IN	BB137	76	29.66	145	13.97	75	05	09	17	728	?	X	X	STD
CANADA BAS IN	BB139	76	29.85	145	12.83	75	05	10	04	726	?	X	X	STD
CANADA BAS IN	BB141	76	29.11	145	10.33	75	05	10	17	727	?	X	X	STD
CANADA BAS IN	BB143	76	27.49	145	7.75	75	05	11	04	2925	?	X	X	STD
CANADA BAS IN	BB145	76	26.11	145	5.26	75	05	11	17	727	?	X	X	STD
CANADA BAS IN	BB147	76	24.68	145	6.58	75	05	12	04	726	?	X	X	STD
CANADA BAS IN	BB149	76	23.23	145	7.33	75	05	12	17	726	?	X	X	STD
CANADA BAS IN	BB151	76	21.12	145	10.91	75	05	13	04	726	?	X	X	STD
CANADA BAS IN	BB153	76	18.88	145	13.87	75	05	13	18	726	?	X	X	STD
CANADA BAS IN	BB155	76	17.36	145	10.47	75	05	14	04	725	?	X	X	STD
CANADA BAS IN	BB157	76	15.64	145	4.93	75	05	14	17	726	?	X	X	STD
CANADA BAS IN	BB159	76	14.09	144	57.24	75	05	15	04	726	?	X	X	STD
CANADA BAS IN	BB161	76	12.20	144	53.83	75	05	15	17	726	?	X	X	STD
CANADA BAS IN	BB163	76	10.87	144	55.91	75	05	16	04	726	?	X	X	STD
CANADA BAS IN	BB165	76	11.47	144	54.08	75	05	16	17	725	?	X	X	STD
CANADA BAS IN	BB167	76	13.28	144	56.89	75	05	17	04	726	?	X	X	STD
CANADA BAS IN	BB169	76	15.43	145	7.13	75	05	17	17	2926	?	X	X	STD
CANADA BAS IN	BB171	76	16.52	145	17.81	75	05	18	04	726	?	X	X	STD
CANADA BAS IN	BB173	76	16.54	145	28.48	75	05	18	17	726	?	X	X	STD
CANADA BAS IN	BB175	76	16.03	145	39.16	75	05	19	04	726	?	X	X	STD
CANADA BAS IN	BB177	76	14.68	145	43.86	75	05	19	17	726	?	X	X	STD
CANADA BAS IN	BB179	76	13.40	145	46.51	75	05	20	04	725	?	X	X	STD
CANADA BAS IN	BB181	76	12.55	145	45.82	75	05	20	17	726	?	X	X	STD
CANADA BAS IN	BB183	76	12.25	145	43.13	75	05	21	05	727	?	X	X	STD
CANADA BAS IN	BB185	76	12.27	145	39.64	75	05	21	17	728	?	X	X	STD
CANADA BAS IN	BB187	76	13.40	145	35.15	75	05	22	05	725	?	X	X	STD
CANADA BAS IN	BB189	76	14.17	145	30.18	75	05	22	17	725	?	X	X	STD
CANADA BAS IN	BB191	76	14.50	145	24.77	75	05	23	05	726	?	X	X	STD
CANADA BAS IN	BB193	76	14.56	145	21.79	75	05	23	17	726	?	X	X	STD
CANADA BAS IN	BB195	76	13.97	145	18.53	75	05	24	05	725	?	X	X	STD
CANADA BAS IN	BB197	76	13.56	145	16.84	75	05	24	17	2923	?	X	X	STD
CANADA BAS IN	BB199	76	13.88	145	15.77	75	05	25	05	499	?	X	X	STD
CANADA BAS IN	BB201	76	14.74	145	16.39	75	05	25	17	727	?	X	X	STD
CANADA BAS IN	BB203	76	15.44	145	21.95	75	05	26	05	726	?	X	X	STD
CANADA BAS IN	BB205	76	14.86	145	32.18	75	05	26	17	725	?	X	X	STD
CANADA BAS IN	BB207	76	14.60	145	43.60	75	05	27	05	726	?	X	X	STD
CANADA BAS IN	BB209	76	15.00	145	54.04	75	05	27	17	727	?	X	X	STD
CANADA BAS IN	BB213	76	17.49	146	14.77	75	05	28	17	726	?	X	X	STD
CANADA BAS IN	BB215	76	19.18	146	24.87	75	05	29	05	726	?	X	X	STD
CANADA BAS IN	BB217	76	20.88	146	34.42	75	05	29	18	726	?	X	X	STD
CANADA BAS IN	BB219	76	22.36	146	43.88	75	05	30	05	726	?	X	X	STD
CANADA BAS IN	BB221	76	23.83	146	50.69	75	05	30	16	724	?	X	X	STD
CANADA BAS IN	BB223	76	25.62	147	6.13	75	06	01	05	725	?	X	X	STD
CANADA BAS IN	BB225	76	25.75	147	10.30	75	06	01	17	726	?	X	X	STD
CANADA BAS IN	BB227	76	25.81	147	17.46	75	06	02	05	723	?	X	X	STD
CANADA BAS IN	BB229	76	26.12	147	22.23	75	06	02	17	727	?	X	X	STD
CANADA BAS IN	BB231	76	27.01	147	32.32	75	06	03	17	725	?	X	X	STD
CANADA BAS IN	BB233	76	27.68	147	40.38	75	06	04	05	728	?	X	X	STD
CANADA BAS IN	BB235	76	27.92	147	49.72	75	06	04	17	2935	?	X	X	STD
CANADA BAS IN	BB237	76	27.82	147	59.29	75	06	05	05	727	?	X	X	STD
CANADA BAS IN	BB239	76	27.58	148	5.26	75	06	05	17	726	?	X	X	STD
CANADA BAS IN	BB241	76	26.99	148	11.21	75	06	06	05	724	?	X	X	STD
CANADA BAS IN	BB243	76	26.41	148	15.96	75	06	06	17	726	?	X	X	STD
CANADA BAS IN	BB245	76	25.69	148	22.21	75	06	07	05	725	?	X	X	STD
CANADA BAS IN	BB247	76	25.06	148	25.63	75	06	07	17	2922	?	X	X	STD
CANADA BAS IN	BB249	76	24.46	148	28.40	75	06	08	05	725	?	X	X	STD
CANADA BAS IN	BB251	76	23.25	148	30.79	75	06	08	17	736	?	X	X	STD
CANADA BAS IN	BB253	76	21.79	148	29.87	75	06	09	05	726	?	X	X	STD
CANADA BAS IN	BB255	76	20.92	148	28.01	75	06	09	17	726	?	X	X	STD
CANADA BAS IN	BB257	76	20.59	148	26.24	75	06	10	05	726	?	X	X	STD
CANADA BAS IN	BB259	76	20.00	148	22.62	75	06	10	17	729	?	X	X	STD
CANADA BAS IN	BB261	76	19.02	148	16.31	75	06	11	05	727	?	X	X	STD
CANADA BAS IN	BB263	76	18.97	148	14.05	75	06	11	17	724	?	X	X	STD

CANADA BAS IN	BB265	76	19.12	148	17.20	75	06	12	05	725	?	X	X	STD
CANADA BAS IN	BB267	76	19.06	148	16.86	75	06	12	17	724	?	X	X	STD
CANADA BAS IN	BB271	76	18.51	148	21.84	75	06	13	17	725	?	X	X	STD
CANADA BAS IN	BB273	76	18.74	148	23.38	75	06	14	05	725	?	X	X	STD
CANADA BAS IN	BB275	76	19.39	148	23.97	75	06	14	17	2926	?	X	X	STD
CANADA BAS IN	BB277	76	20.57	148	24.70	75	06	15	05	726	?	X	X	STD
CANADA BAS IN	BB279	76	20.80	148	29.84	75	06	15	17	724	?	X	X	STD
CANADA BAS IN	BB281	76	20.84	148	35.73	75	06	16	05	725	?	X	X	STD
CANADA BAS IN	BB283	76	20.74	148	36.86	75	06	16	17	724	?	X	X	STD
CANADA BAS IN	BB285	76	22.27	148	42.31	75	06	17	05	723	?	X	X	STD
CANADA BAS IN	BB287	76	24.33	148	51.64	75	06	17	17	726	?	X	X	STD
CANADA BAS IN	BB289	76	24.74	149	1.57	75	06	18	05	725	?	X	X	STD
CANADA BAS IN	BB291	76	22.73	149	10.18	75	06	18	17	724	?	X	X	STD
CANADA BAS IN	BB293	76	20.28	149	13.63	75	06	19	05	498	?	X	X	STD
CANADA BAS IN	BB295	76	19.87	149	16.90	75	06	19	17	725	?	X	X	STD
CANADA BAS IN	BB297	76	20.14	149	21.89	75	06	20	05	725	?	X	X	STD
CANADA BAS IN	BB299	76	20.14	149	24.88	75	06	20	17	725	?	X	X	STD
CANADA BAS IN	BB301	76	20.34	149	26.14	75	06	21	05	725	?	X	X	STD
CANADA BAS IN	BB303	76	21.48	149	27.50	75	06	21	17	2925	?	X	X	STD
CANADA BAS IN	BB305	76	24.22	149	31.36	75	06	22	05	725	?	X	X	STD
CANADA BAS IN	BB307	76	25.33	149	27.73	75	06	22	17	725	?	X	X	STD
CANADA BAS IN	BB309	76	26.08	149	28.09	75	06	23	05	724	?	X	X	STD
CANADA BAS IN	BB311	76	26.95	149	36.97	75	06	23	17	725	?	X	X	STD
CANADA BAS IN	BB331	76	27.06	149	42.10	75	06	24	05	725	?	X	X	STD
CANADA BAS IN	BB333	76	26.66	149	42.88	75	06	24	17	725	?	X	X	STD
CANADA BAS IN	BB335	76	25.57	149	41.53	75	06	25	05	728	?	X	X	STD
CANADA BAS IN	BB337	76	24.77	149	33.76	75	06	25	17	724	?	X	X	STD
CANADA BAS IN	BB339	76	24.39	149	24.38	75	06	26	05	714	?	X	X	STD
CANADA BAS IN	BB341	76	24.98	149	21.69	75	06	26	19	724	?	X	X	STD
CANADA BAS IN	BB342	76	27.73	149	19.02	75	06	28	05	722	?	X	X	STD
CANADA BAS IN	BB344	76	28.13	149	10.16	75	06	28	17	724	?	X	X	STD
CANADA BAS IN	BB347	76	26.30	148	49.48	75	06	29	17	756	?	X	X	STD
CANADA BAS IN	BB349	76	28.44	148	43.50	75	06	30	05	755	?	X	X	STD
CANADA BAS IN	BB351	76	31.79	148	44.96	75	06	30	17	756	?	X	X	STD
CANADA BAS IN	BB353	76	33.42	148	38.64	75	07	01	05	755	?	X	X	STD
CANADA BAS IN	BB355	76	32.71	148	30.39	75	07	01	17	756	?	X	X	STD
CANADA BAS IN	BB357	76	32.36	148	24.65	75	07	02	05	755	?	X	X	STD
CANADA BAS IN	BB359	76	32.25	148	24.59	75	07	02	17	754	?	X	X	STD
CANADA BAS IN	BB361	76	32.24	148	12.41	75	07	03	05	754	?	X	X	STD
CANADA BAS IN	BB362	76	33.83	147	44.08	75	07	04	05	725	?	X	X	STD
CANADA BAS IN	BB364	76	31.47	147	37.07	75	07	04	17	725	?	X	X	STD
CANADA BAS IN	BB365	76	27.14	147	16.13	75	07	05	17	2921	?	X	X	STD
CANADA BAS IN	BB367	76	22.19	146	47.82	75	07	06	17	723	?	X	X	STD
CANADA BAS IN	BB370	76	23.10	145	37.56	75	07	10	05	722	?	X	X	STD
CANADA BAS IN	BB372	76	20.42	145	21.06	75	07	10	17	722	?	X	X	STD
CANADA BAS IN	BB374	76	18.94	145	13.93	75	07	11	05	724	?	X	X	STD
CANADA BAS IN	BB376	76	18.34	145	8.92	75	07	11	17	724	?	X	X	STD
CANADA BAS IN	BB378	76	18.59	145	6.43	75	07	12	05	721	?	X	X	STD
CANADA BAS IN	BB380	76	19.36	145	6.50	75	07	12	17	2924	?	X	X	STD
CANADA BAS IN	BB382	76	20.24	145	9.64	75	07	13	05	722	?	X	X	STD
CANADA BAS IN	BB384	76	20.96	145	11.81	75	07	13	17	726	?	X	X	STD
CANADA BAS IN	BB386	76	21.29	145	11.08	75	07	14	04	722	?	X	X	STD
CANADA BAS IN	BB389	75	59.81	144	59.26	75	07	20	05	746	?	X	X	STD
CANADA BAS IN	BB391	75	57.59	144	55.84	75	07	20	16	745	?	X	X	STD
CANADA BAS IN	BB393	75	53.09	144	54.28	75	07	21	05	745	?	X	X	STD
CANADA BAS IN	BB395	75	49.70	144	58.42	75	07	21	17	745	?	X	X	STD
CANADA BAS IN	BB397	75	46.99	145	0.61	75	07	22	04	442	?	X	X	STD
CANADA BAS IN	BB399	75	43.23	145	5.82	75	07	23	04	745	?	X	X	STD
CANADA BAS IN	BB401	75	42.34	145	8.27	75	07	23	17	761	?	X	X	STD
CANADA BAS IN	BB403	75	41.63	145	9.14	75	07	24	04	746	?	X	X	STD
CANADA BAS IN	BB405	75	41.64	145	10.93	75	07	24	17	745	?	X	X	STD
CANADA BAS IN	BB407	75	41.53	145	16.60	75	07	25	05	745	?	X	X	STD
CANADA BAS IN	BB409	75	41.33	145	24.13	75	07	25	17	462	?	X	X	STD
CANADA BAS IN	BB411	75	39.97	145	28.48	75	07	26	04	616	?	X	X	STD
CANADA BAS IN	BB413	75	37.76	145	28.38	75	07	26	17	695	?	X	X	STD
CANADA BAS IN	BB415	75	35.68	145	24.25	75	07	27	04	747	?	X	X	STD
CANADA BAS IN	BB421	75	22.51	144	41.75	75	07	30	04	743	?	X	X	STD
CANADA BAS IN	BB423	75	18.23	144	30.38	75	07	30	18	746	?	X	X	STD
CANADA BAS IN	BB425	75	15.35	144	21.50	75	07	31	05	709	?	X	X	STD
CANADA BAS IN	BB427	75	10.69	143	59.70	75	08	01	04	742	?	X	X	STD
CANADA BAS IN	BB429	75	8.01	143	49.82	75	08	01	17	744	?	X	X	STD
CANADA BAS IN	BB431	75	5.77	143	44.42	75	08	02	04	591	?	X	X	STD
CANADA BAS IN	BB433	75	4.36	143	39.55	75	08	02	16	590	?	X	X	STD
CANADA BAS IN	BB434	75	2.11	143	28.91	75	08	03	17	589	?	X	X	STD
CANADA BAS IN	BB436	75	1.14	143	21.99	75	08	04	03	592	?	X	X	STD
CANADA BAS IN	BB438	75	1.56	143	14.80	75	08	04	17	590	?	X	X	STD
CANADA BAS IN	BB440	75	3.53	142	58.42	75	08	05	05	610	?	X	X	STD
CANADA BAS IN	BB442	75	4.14	142	47.73	75	08	05	16	593	?	X	X	STD
CANADA BAS IN	BB444	75	1.95	142	44.99	75	08	06	04	590	?	X	X	STD
CANADA BAS IN	BB446	75	0.77	142	42.01	75	08	06	17	591	?	X	X	STD
CANADA BAS IN	BB448	74	59.80	142	38.32	75	08	07	04	590	?	X	X	STD
CANADA BAS IN	BB450	74	59.06	142	36.23	75	08	07	17	591	?	X	X	STD
CANADA BAS IN	BB451	74	58.56	142	33.32	75	08	08	03	591	?	X	X	STD

CANADA	BAS IN	BB453	74	58.82	142	26.07	75	08	08	16	590	?	X	X	STD
CANADA	BAS IN	BB457	74	55.63	141	47.85	75	08	09	17	589	?	X	X	STD
CANADA	BAS IN	BB459	74	52.91	141	36.17	75	08	10	04	586	?	X	X	STD
CANADA	BAS IN	BB461	74	44.00	141	17.35	75	08	11	17	588	?	X	X	STD
CANADA	BAS IN	BB463	74	41.88	141	8.29	75	08	12	04	587	?	X	X	STD
CANADA	BAS IN	BB465	74	40.55	140	57.63	75	08	12	17	590	?	X	X	STD
CANADA	BAS IN	BB467	74	40.65	140	50.53	75	08	13	04	590	?	X	X	STD
CANADA	BAS IN	BB469	74	43.48	140	28.87	75	08	14	04	590	?	X	X	STD
CANADA	BAS IN	BB471	74	41.39	140	16.63	75	08	14	17	589	?	X	X	STD
CANADA	BAS IN	BB473	74	41.34	140	13.14	75	08	15	04	589	?	X	X	STD
CANADA	BAS IN	BB475	74	42.97	140	14.77	75	08	15	17	589	?	X	X	STD
CANADA	BAS IN	BB477	74	44.00	140	13.35	75	08	16	17	590	?	X	X	STD
CANADA	BAS IN	BB479	74	41.68	140	16.60	75	08	17	05	588	?	X	X	STD
CANADA	BAS IN	BB481	74	40.08	140	24.14	75	08	17	17	591	?	X	X	STD
CANADA	BAS IN	BB483	74	39.61	140	29.12	75	08	18	04	588	?	X	X	STD
CANADA	BAS IN	BB485	74	39.16	140	32.39	75	08	18	16	591	?	X	X	STD
CANADA	BAS IN	BB487	74	38.84	140	41.35	75	08	19	05	590	?	X	X	STD
CANADA	BAS IN	BB489	74	38.83	140	47.85	75	08	19	17	590	?	X	X	STD
CANADA	BAS IN	BB491	74	39.88	141	1.11	75	08	20	05	588	?	X	X	STD
CANADA	BAS IN	BB493	74	40.19	141	14.18	75	08	20	17	589	?	X	X	STD
CANADA	BAS IN	BB495	74	40.43	141	22.90	75	08	21	04	588	?	X	X	STD
CANADA	BAS IN	BB497	74	40.36	141	26.39	75	08	21	16	590	?	X	X	STD
CANADA	BAS IN	BB499	74	39.00	141	25.88	75	08	22	04	590	?	X	X	STD
CANADA	BAS IN	BB501	74	37.38	141	22.28	75	08	22	17	592	?	X	X	STD
CANADA	BAS IN	BB503	74	35.29	141	16.99	75	08	23	04	589	?	X	X	STD
CANADA	BAS IN	BB505	74	32.78	141	13.24	75	08	23	17	591	?	X	X	STD
CANADA	BAS IN	BB507	74	31.69	141	11.60	75	08	24	04	594	?	X	X	STD
CANADA	BAS IN	BB509	74	31.34	141	9.22	75	08	24	17	610	?	X	X	STD
CANADA	BAS IN	BB511	74	30.71	140	48.69	75	08	25	17	588	?	X	X	STD
CANADA	BAS IN	BB513	74	31.07	140	43.84	75	08	26	04	590	?	X	X	STD
CANADA	BAS IN	BB515	74	33.40	140	43.34	75	08	26	17	588	?	X	X	STD
CANADA	BAS IN	BB517	74	34.24	140	34.27	75	08	27	04	589	?	X	X	STD
CANADA	BAS IN	BB519	74	29.87	140	19.63	75	08	27	17	588	?	X	X	STD
CANADA	BAS IN	BB521	74	25.43	140	6.00	75	08	28	04	589	?	X	X	STD
CANADA	BAS IN	BB525	74	22.45	139	42.58	75	08	29	04	583	?	X	X	STD
CANADA	BAS IN	BB527	74	19.24	139	32.96	75	08	29	17	589	?	X	X	STD
CANADA	BAS IN	BB529	74	11.81	139	25.90	75	08	31	05	589	?	X	X	STD
CANADA	BAS IN	BB530	74	8.49	139	19.08	75	09	01	03	593	?	X	X	STD
CANADA	BAS IN	BB531	73	52.73	137	27.17	75	09	21	06	492	?	X	X	STD
CANADA	BAS IN	BB535	73	49.43	136	52.15	75	09	22	04	728	?	X	X	STD
CANADA	BAS IN	BB537	73	48.34	136	47.79	75	09	22	18	727	?	X	X	STD
CANADA	BAS IN	BB539	73	47.67	136	52.53	75	09	23	03	721	?	X	X	STD
CANADA	BAS IN	BB541	73	45.97	137	3.79	75	09	23	18	727	?	X	X	STD
CANADA	BAS IN	BB543	73	44.47	137	0.70	75	09	24	03	727	?	X	X	STD
CANADA	BAS IN	BB545	73	41.43	136	47.78	75	09	24	18	729	?	X	X	STD
CANADA	BAS IN	BB547	73	38.69	136	36.35	75	09	25	04	726	?	X	X	STD
CANADA	BAS IN	BB549	73	35.80	136	36.03	75	09	25	17	728	?	X	X	STD
CANADA	BAS IN	BB551	73	30.34	136	29.50	75	09	28	03	726	?	X	X	STD
CANADA	BAS IN	BB553	73	28.82	136	24.05	75	09	28	18	729	?	X	X	STD
CANADA	BAS IN	BB555	73	28.50	136	24.48	75	09	29	03	722	?	X	X	STD
CANADA	BAS IN	BB557	73	28.44	136	24.54	75	09	29	17	2933	?	X	X	STD
CANADA	BAS IN	BB559	73	28.76	136	23.48	75	09	30	02	729	?	X	X	STD
CANADA	BAS IN	BB561	73	30.30	136	33.71	75	09	30	16	724	?	X	X	STD
CANADA	BAS IN	BB562	73	31.10	136	42.88	75	10	01	03	725	?	X	X	STD

## 11.6

## AIDJEX 1975-1976 PROFILING CURRENT-METER DATA

This section lists the profiling current meter stations collected during AIDJEX 1975-1976. All the stations are presented, even those outside the boundaries of this compilation.

The following headings are used:

AREA	General area of station.
STN	Station number; CB - Caribou Camp BF - Blue Fox Camp SB - Snowbird Camp BB - Big Bear Camp
LAT, LONG	In degrees and minutes.
YR	Year
MO	Month
DY	Day
HR	Hour (GMT)
PROFILE TO	Maximum data depth (m); * indicates a time series of measurements.
PARAM MEAS	Parameters measured - pressure, current speed, and direction. Qualification symbols are: X - measurements of this parameter were made
INSTR	Instrument type: TSK - Tsurumi-Seiki Co.

PROFILING CURRENT METER DATA SET NUMBER: 75-0005  
 YEAR:1975 VESSEL/AGENCY: AIDJEX

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	PROFILE TO (M)	PARAM MEAS P S D	INSTR
CANADA BASIN	CB 1	74 35.46	144 6.57	75 8 5 7	190	X X X	TSK
CANADA BASIN	CB 2	74 30.05	143 44.30	75 8 8 6	200	X X X	TSK
CANADA BASIN	CB 3	74 30.34	143 29.45	75 8 8 23	130	X X X	TSK
CANADA BASIN	CB 4	74 29.72	143 16.74	75 8 9 3	*	X X X	TSK
CANADA BASIN	CB 5	74 24.51	142 52.12	75 8 9 22	194	X X X	TSK
CANADA BASIN	CB 6	74 24.16	142 50.44	75 8 10 1	*	X X X	TSK
CANADA BASIN	CB 7	74 16.27	142 33.39	75 8 10 23	190	X X X	TSK
CANADA BASIN	CB 8	74 16.16	142 32.34	75 8 11 2	*	X X X	TSK
CANADA BASIN	CB 9	74 10.79	142 16.91	75 8 11 23	190	X X X	TSK
CANADA BASIN	CB 10	74 12.13	141 44.66	75 8 13 23	200	X X X	TSK
CANADA BASIN	CB 11	74 10.41	141 33.15	75 8 15 22	200	X X X	TSK
CANADA BASIN	CB 12	74 10.13	141 34.47	75 8 16 23	195	X X X	TSK
CANADA BASIN	CB 13	74 6.51	141 50.52	75 8 17 22	195	X X X	TSK
CANADA BASIN	CB 14	74 6.71	142 21.30	75 8 19 22	200	X X X	TSK
CANADA BASIN	CB 15	74 7.60	142 43.25	75 8 20 22	200	X X X	TSK
CANADA BASIN	CB 16	74 4.59	142 44.53	75 8 22 22	200	X X X	TSK
CANADA BASIN	CB 17	74 1.29	142 39.85	75 8 23 22	200	X X X	TSK
CANADA BASIN	CB 18	74 0.86	142 34.25	75 8 24 22	200	X X X	TSK
CANADA BASIN	CB 19	74 0.95	142 20.96	75 8 25 23	195	X X X	TSK
CANADA BASIN	CB 20	74 5.03	142 15.74	75 8 26 22	200	X X X	TSK
CANADA BASIN	CB 21	73 57.69	141 45.93	75 8 27 22	171	X X X	TSK
CANADA BASIN	CB 22	73 52.29	141 20.58	75 8 28 22	195	X X X	TSK
CANADA BASIN	CB 23	73 45.63	141 3.49	75 8 29 23	200	X X X	TSK
CANADA BASIN	CB 24	73 43.76	141 5.41	75 8 30 22	200	X X X	TSK
CANADA BASIN	CB 25	73 34.40	140 47.34	75 9 1 22	200	X X X	TSK
CANADA BASIN	CB 26	73 30.13	140 42.27	75 9 2 23	200	X X X	TSK
CANADA BASIN	CB 27	73 30.95	140 39.05	75 9 3 22	200	X X X	TSK
CANADA BASIN	CB 28	73 26.02	140 24.62	75 9 5 22	200	X X X	TSK
CANADA BASIN	CB 29	73 25.13	140 37.30	75 9 6 22	200	X X X	TSK
CANADA BASIN	CB 30	73 23.68	140 32.57	75 9 8 22	200	X X X	TSK
CANADA BASIN	CB 31	73 23.51	140 9.85	75 9 9 22	200	X X X	TSK
CANADA BASIN	CB 32	73 22.13	139 53.85	75 9 10 22	200	X X X	TSK
CANADA BASIN	CB 33	73 22.79	139 36.46	75 9 11 23	200	X X X	TSK
CANADA BASIN	CB 34	73 23.83	139 16.01	75 9 12 23	200	X X X	TSK
CANADA BASIN	CB 35	73 22.25	139 1.82	75 9 13 22	200	X X X	TSK
CANADA BASIN	CB 36	73 20.81	138 47.64	75 9 14 23	200	X X X	TSK
CANADA BASIN	CB 37	73 22.58	139 2.62	75 9 15 22	200	X X X	TSK
CANADA BASIN	CB 38	73 29.12	139 13.93	75 9 17 23	200	X X X	TSK
CANADA BASIN	CB 39	73 27.75	139 14.06	75 9 18 23	200	X X X	TSK
CANADA BASIN	CB 40	73 25.48	139 32.24	75 9 19 22	200	X X X	TSK
CANADA BASIN	CB 41	73 22.81	139 28.04	75 9 20 22	200	X X X	TSK
CANADA BASIN	CB 42	73 22.48	138 51.67	75 9 21 22	200	X X X	TSK
CANADA BASIN	CB 43	73 20.88	138 32.49	75 9 22 22	200	X X X	TSK
CANADA BASIN	CB 44	73 13.27	138 29.40	75 9 24 23	200	X X X	TSK
CANADA BASIN	CB 45	73 6.28	138 17.55	75 9 27 23	200	X X X	TSK
CANADA BASIN	CB 46	73 6.37	138 19.12	75 9 28 23	200	X X X	TSK
CANADA BASIN	CB 47	73 26.27	140 1.47	75 10 4 23	200	X X X	TSK
CANADA BASIN	CB 48	73 27.03	140 11.50	75 10 5 23	200	X X X	TSK
CANADA BASIN	CB 49	73 17.51	140 10.44	75 10 11 22	200	X X X	TSK
CANADA BASIN	CB 50	73 18.40	139 58.43	75 10 12 23	200	X X X	TSK
CANADA BASIN	CB 51	73 16.27	140 7.53	75 10 13 22	200	X X X	TSK
CANADA BASIN	CB 52	73 17.75	141 35.58	75 10 23 20	200	X X X	TSK
CANADA BASIN	CB 53	73 23.34	141 45.28	75 10 25 6	200	X X X	TSK
CANADA BASIN	CB 54	73 13.95	141 9.01	75 10 27 20	199	X X X	TSK
CANADA BASIN	CB 55	73 2.97	141 16.79	75 10 29 8	197	X X X	TSK
CANADA BASIN	CB 56	72 49.32	141 11.92	75 10 31 1	200	X X X	TSK
CANADA BASIN	CB 57	72 47.41	141 9.34	75 11 1 3	190	X X X	TSK
CANADA BASIN	CB 58	72 47.18	141 6.31	75 11 2 6	200	X X X	TSK
CANADA BASIN	CB 59	72 47.31	141 6.47	75 11 3 1	200	X X X	TSK
CANADA BASIN	CB 60	72 48.10	141 9.44	75 11 4 2	200	X X X	TSK
CANADA BASIN	CB 61	72 50.84	141 8.40	75 11 6 9	198	X X X	TSK
CANADA BASIN	CB 62	72 51.74	141 0.48	75 11 6 22	198	X X X	TSK
CANADA BASIN	CB 63	72 52.72	140 55.40	75 11 7 21	198	X X X	TSK
CANADA BASIN	CB 64	72 52.52	140 48.45	75 11 11 9	200	X X X	TSK
CANADA BASIN	CB 65	72 52.51	140 48.30	75 11 11 19	200	X X X	TSK
CANADA BASIN	CB 66	72 52.42	140 48.31	75 11 12 5	200	X X X	TSK
CANADA BASIN	CB 67	72 51.78	140 51.99	75 11 12 18	200	X X X	TSK
CANADA BASIN	CB 68	72 51.10	140 58.51	75 11 13 5	200	X X X	TSK
CANADA BASIN	CB 69	72 50.69	141 0.93	75 11 13 8	*	X X X	TSK
CANADA BASIN	CB 70	72 47.81	141 14.37	75 11 14 2	*	X X X	TSK
CANADA BASIN	CB 71	72 47.06	141 17.17	75 11 14 5	198	X X X	TSK



CANADA BASIN	CB 72	72	44.25	141	23.05	75	11	14	18	197	X	X	X	TSK
CANADA BASIN	CB 73	72	43.70	141	22.41	75	11	15	6	200	X	X	X	TSK
CANADA BASIN	CB 74	72	43.10	141	21.73	75	11	16	6	196	X	X	X	TSK
CANADA BASIN	CB 75	72	43.09	141	21.75	75	11	16	19	196	X	X	X	TSK
CANADA BASIN	CB 76	72	43.12	141	21.63	75	11	17	6	200	X	X	X	TSK
CANADA BASIN	CB 77	72	43.11	141	21.73	75	11	17	21	200	X	X	X	TSK
CANADA BASIN	CB 78	72	43.10	141	21.73	75	11	18	7	200	X	X	X	TSK
CANADA BASIN	CB 79	72	43.10	141	21.73	75	11	18	21	200	X	X	X	TSK
CANADA BASIN	CB 80	72	43.12	141	21.64	75	11	19	7	200	X	X	X	TSK
CANADA BASIN	CB 81	72	43.12	141	21.93	75	11	19	19	200	X	X	X	TSK
CANADA BASIN	CB 82	72	43.38	141	23.82	75	11	20		*	X	X	X	TSK
CANADA BASIN	CB 83	72	44.44	141	27.47	75	11	20	6	196	X	X	X	TSK
CANADA BASIN	CB 84	72	48.35	141	39.30	75	11	20	21	200	X	X	X	TSK
CANADA BASIN	CB 85	72	56.83	142	2.11	75	11	21	19	194	X	X	X	TSK
CANADA BASIN	CB 86	72	57.07	142	2.56	75	11	21	20	192	X	X	X	TSK
CANADA BASIN	CB 87	73	1.46	142	9.91	75	11	22	5	190	X	X	X	TSK
CANADA BASIN	CB 88	73	5.58	142	13.17	75	11	22	21	197	X	X	X	TSK
CANADA BASIN	CB 89	73	6.16	142	15.04	75	11	23	6	198	X	X	X	TSK
CANADA BASIN	CB 90	73	6.77	142	21.87	75	11	23	19	196	X	X	X	TSK
CANADA BASIN	CB 91	73	7.28	142	23.52	75	11	24	6	195	X	X	X	TSK
CANADA BASIN	CB 92	73	7.38	142	23.51	75	11	24	19	200	X	X	X	TSK
CANADA BASIN	CB 93	73	7.59	142	27.40	75	11	25	6	194	X	X	X	TSK
CANADA BASIN	CB 94	73	7.64	142	29.71	75	11	25	10	192	X	X	X	TSK
CANADA BASIN	CB 95	73	8.32	142	39.24	75	11	26		183	X	X	X	TSK
CANADA BASIN	CB 96	73	9.18	142	43.51	75	11	26	6	178	X	X	X	TSK
CANADA BASIN	CB 97	73	11.96	142	51.34	75	11	26	20	200	X	X	X	TSK
CANADA BASIN	CB 98	73	13.00	142	53.64	75	11	27	6	170	X	X	X	TSK
CANADA BASIN	CB 99	73	13.32	142	54.05	75	11	27	20	200	X	X	X	TSK
CANADA BASIN	CB100	73	13.49	142	55.29	75	11	28	7	200	X	X	X	TSK
CANADA BASIN	CB101	73	13.96	143	0.87	75	11	28	20	200	X	X	X	TSK
CANADA BASIN	CB102	73	14.35	143	6.16	75	11	29	6	196	X	X	X	TSK
CANADA BASIN	CB103	73	14.01	143	9.77	75	11	29	20	200	X	X	X	TSK
CANADA BASIN	CB104	73	9.20	143	0.27	75	12	1	13	185	X	X	X	TSK
CANADA BASIN	CB105	73	7.45	142	59.51	75	12	1	19	195	X	X	X	TSK
CANADA BASIN	CB106	73	5.84	143	1.74	75	12	2	6	190	X	X	X	TSK
CANADA BASIN	CB107	73	4.05	143	0.77	75	12	2	20	198	X	X	X	TSK
CANADA BASIN	CB108	73	3.50	142	56.95	75	12	3	19	200	X	X	X	TSK
CANADA BASIN	CB109	73	3.50	142	56.73	75	12	3	20	200	X	X	X	TSK
CANADA BASIN	CB110	73	3.41	142	56.69	75	12	4	6	200	X	X	X	TSK
CANADA BASIN	CB111	73	3.38	142	56.57	75	12	4	21	200	X	X	X	TSK
CANADA BASIN	CB112	73	3.35	142	55.92	75	12	5	6	200	X	X	X	TSK
CANADA BASIN	CB113	73	3.30	142	55.94	75	12	5	19	200	X	X	X	TSK
CANADA BASIN	CB114	73	3.24	142	55.67	75	12	6	6	200	X	X	X	TSK
CANADA BASIN	CB115	73	3.18	142	55.30	75	12	6	23	200	X	X	X	TSK
CANADA BASIN	CB116	73	3.10	142	54.62	75	12	7	5	200	X	X	X	TSK
CANADA BASIN	CB117	73	4.63	142	48.01	75	12	7	21	195	X	X	X	TSK
CANADA BASIN	CB118	73	7.10	142	45.96	75	12	8	7	200	X	X	X	TSK
CANADA BASIN	CB119	73	8.26	142	47.82	75	12	8	11	198	X	X	X	TSK
CANADA BASIN	CB120	73	9.44	142	53.92	75	12	8	21	197	X	X	X	TSK
CANADA BASIN	CB121	73	9.03	142	57.57	75	12	9	7	200	X	X	X	TSK
CANADA BASIN	CB122	73	8.98	142	57.68	75	12	9	8	190	X	X	X	TSK
CANADA BASIN	CB123	73	8.82	142	57.83	75	12	9	9	150	X	X	X	TSK
CANADA BASIN	CB124	73	7.62	142	57.11	75	12	9	22	200	X	X	X	TSK
CANADA BASIN	CB125	73	5.58	142	47.94	75	12	10	19	196	X	X	X	TSK
CANADA BASIN	CB126	73	4.12	142	44.85	75	12	11	7	200	X	X	X	TSK
CANADA BASIN	CB127	73	3.51	142	43.70	75	12	11	20	200	X	X	X	TSK
CANADA BASIN	CB128	73	7.20	143	2.41	75	12	15	7	199	X	X	X	TSK
CANADA BASIN	CB129	73	7.50	142	57.41	75	12	16	7	200	X	X	X	TSK
CANADA BASIN	CB130	73	8.14	143	5.75	75	12	16	22	200	X	X	X	TSK
CANADA BASIN	CB131	73	9.06	143	13.10	75	12	17	7	200	X	X	X	TSK
CANADA BASIN	CB132	73	8.47	143	23.25	75	12	17	22	198	X	X	X	TSK
CANADA BASIN	CB133	73	6.57	143	22.80	75	12	18	7	184	X	X	X	TSK
CANADA BASIN	CB134	73	4.02	143	18.80	75	12	18	20	200	X	X	X	TSK
CANADA BASIN	CB135	73	2.18	143	12.02	75	12	19	20	200	X	X	X	TSK
CANADA BASIN	CB136	73	1.68	143	9.16	75	12	20	21	200	X	X	X	TSK
CANADA BASIN	CB137	73	1.62	143	7.37	75	12	21	19	199	X	X	X	TSK
CANADA BASIN	CB138	73	1.66	143	7.33	75	12	22	6	200	X	X	X	TSK
CANADA BASIN	CB139	73	2.13	143	11.11	75	12	22	20	200	X	X	X	TSK
CANADA BASIN	CB140	73	2.40	143	13.53	75	12	23	6	200	X	X	X	TSK
CANADA BASIN	CB141	73	2.45	143	14.90	75	12	23	20	200	X	X	X	TSK
CANADA BASIN	CB142	73	2.21	143	14.00	75	12	24	6	198	X	X	X	TSK
CANADA BASIN	CB143	73	1.74	143	12.86	75	12	24	19	200	X	X	X	TSK
CANADA BASIN	CB144	73	1.52	143	12.66	75	12	27	7	200	X	X	X	TSK
CANADA BASIN	CB145	73	1.96	143	18.38	75	12	27	20	200	X	X	X	TSK
CANADA BASIN	CB146	73	2.79	143	25.56	75	12	28	7	200	X	X	X	TSK
CANADA BASIN	CB147	73	3.76	143	32.40	75	12	29	5	200	X	X	X	TSK
CANADA BASIN	CB148	73	2.93	143	27.33	75	12	29	20	196	X	X	X	TSK
CANADA BASIN	CB149	73	2.56	143	23.76	75	12	30	6	195	X	X	X	TSK
CANADA BASIN	CB150	73	2.20	143	19.45	75	12	30	19	200	X	X	X	TSK
CANADA BASIN	CB151	73	2.22	143	18.92	75	12	31	6	200	X	X	X	TSK
CANADA BASIN	CB152	73	4.01	143	28.04	75	12	31	23	193	X	X	X	TSK
CANADA BASIN	CB153	73	5.17	143	33.06	76	1	1	6	196	X	X	X	TSK
CANADA BASIN	CB154	73	6.42	143	35.01	76	1	2	7	200	X	X	X	TSK

CANADA BASIN	CB155	73	7.70	143	38.82	76	1	2	20	196	X	X	X	TSK
CANADA BASIN	CB156	73	8.86	143	43.30	76	1	3	6	195	X	X	X	TSK
CANADA BASIN	CB157	73	11.99	143	50.06	76	1	3	21	193	X	X	X	TSK
CANADA BASIN	CB158	73	14.76	143	54.58	76	1	4	6	196	X	X	X	TSK
CANADA BASIN	CB159	73	16.60	143	58.18	76	1	4	12	*	X	X	X	TSK
CANADA BASIN	CB160	73	19.50	144	4.04	76	1	4	20	193	X	X	X	TSK
CANADA BASIN	CB161	73	21.83	144	9.75	76	1	5	8	198	X	X	X	TSK
CANADA BASIN	CB162	73	22.54	144	11.09	76	1	5	19	200	X	X	X	TSK
CANADA BASIN	CB163	73	22.64	144	10.78	76	1	6	7	200	X	X	X	TSK
CANADA BASIN	CB164	73	22.89	144	8.48	76	1	6	20	200	X	X	X	TSK
CANADA BASIN	CB165	73	23.94	144	8.85	76	1	7	20	200	X	X	X	TSK
CANADA BASIN	CB166	73	22.84	144	11.16	76	1	9	1	195	X	X	X	TSK
CANADA BASIN	CB167	73	21.95	144	12.05	76	1	9	6	192	X	X	X	TSK
CANADA BASIN	CB168	73	18.81	144	7.15	76	1	10	2	197	X	X	X	TSK
CANADA BASIN	CB169	73	17.38	143	52.60	76	1	10	22	177	X	X	X	TSK
CANADA BASIN	CB170	73	16.66	143	43.08	76	1	11	7	192	X	X	X	TSK
CANADA BASIN	CB171	73	10.83	143	33.06	76	1	12		192	X	X	X	TSK
CANADA BASIN	CB172	73	8.56	143	26.43	76	1	13	8	200	X	X	X	TSK
CANADA BASIN	CB173	73	8.58	143	26.41	76	1	13	19	200	X	X	X	TSK
CANADA BASIN	CB174	73	8.59	143	26.49	76	1	14	6	200	X	X	X	TSK
CANADA BASIN	CB175	73	9.22	143	27.23	76	1	14	19	200	X	X	X	TSK
CANADA BASIN	CB176	73	10.44	143	28.65	76	1	15	7	200	X	X	X	TSK
CANADA BASIN	CB177	73	10.50	143	28.77	76	1	15	9	200	X	X	X	TSK
CANADA BASIN	CB178	73	10.50	143	29.06	76	1	15	20	196	X	X	X	TSK
CANADA BASIN	CB179	73	2.87	143	24.63	76	1	26	2	200	X	X	X	TSK
CANADA BASIN	CB180	73	2.85	143	24.24	76	1	26	22	200	X	X	X	TSK
CANADA BASIN	CB181	73	2.84	143	24.70	76	1	28	8	200	X	X	X	TSK
CANADA BASIN	CB182	73	2.85	143	24.66	76	1	28	20	200	X	X	X	TSK
CANADA BASIN	CB183	73	2.86	143	24.67	76	1	29	8	200	X	X	X	TSK
CANADA BASIN	CB184	73	3.19	143	32.79	76	1	30	3	187	X	X	X	TSK
CANADA BASIN	CB185	73	3.61	144	1.71	76	1	31	5	191	X	X	X	TSK
CANADA BASIN	CB186	73	4.62	144	11.74	76	1	31	20	*	X	X	X	TSK
CANADA BASIN	CB187	73	6.00	144	13.73	76	2	1	10	190	X	X	X	TSK
CANADA BASIN	CB188	73	6.75	144	13.60	76	2	1	23	187	X	X	X	TSK
CANADA BASIN	CB189	73	6.82	144	12.29	76	2	2	4	192	X	X	X	TSK
CANADA BASIN	CB190	73	6.84	144	9.79	76	2	2	11	190	X	X	X	TSK
CANADA BASIN	CB191	73	6.82	144	7.37	76	2	2	17	191	X	X	X	TSK
CANADA BASIN	CB192	73	6.85	144	5.06	76	2	2	22	192	X	X	X	TSK
CANADA BASIN	CB193	73	6.82	144	1.89	76	2	3	5	190	X	X	X	TSK
CANADA BASIN	CB194	73	6.79	144	0.06	76	2	3	10	190	X	X	X	TSK
CANADA BASIN	CB195	73	6.76	143	59.48	76	2	3	16	200	X	X	X	TSK
CANADA BASIN	CB196	73	6.70	144	0.33	76	2	3	23	191	X	X	X	TSK
CANADA BASIN	CB197	73	6.40	144	1.85	76	2	4	4	200	X	X	X	TSK
CANADA BASIN	CB198	73	5.95	144	1.67	76	2	4	10	200	X	X	X	TSK
CANADA BASIN	CB199	73	5.84	144	1.26	76	2	4	16	200	X	X	X	TSK
CANADA BASIN	CB200	73	5.71	144	1.28	76	2	4	22	200	X	X	X	TSK
CANADA BASIN	CB201	73	5.56	144	2.49	76	2	5	4	200	X	X	X	TSK
CANADA BASIN	CB202	73	5.41	144	2.71	76	2	5	10	200	X	X	X	TSK
CANADA BASIN	CB203	73	5.20	144	2.90	76	2	5	16	200	X	X	X	TSK
CANADA BASIN	CB204	73	4.73	144	3.36	76	2	5	23	192	X	X	X	TSK
CANADA BASIN	CB205	73	4.11	144	3.71	76	2	6	4	192	X	X	X	TSK
CANADA BASIN	CB206	73	3.28	144	2.05	76	2	6	10	191	X	X	X	TSK
CANADA BASIN	CB207	73	2.66	143	59.19	76	2	6	16	191	X	X	X	TSK
CANADA BASIN	CB208	73	2.36	143	55.15	76	2	6	22	190	X	X	X	TSK
CANADA BASIN	CB209	73	1.86	143	51.14	76	2	7	4	191	X	X	X	TSK
CANADA BASIN	CB210	73	1.17	143	46.12	76	2	7	10	188	X	X	X	TSK
CANADA BASIN	CB211	73	0.30	143	40.40	76	2	7	17	189	X	X	X	TSK
CANADA BASIN	CB212	72	59.53	143	37.06	76	2	7	22	190	X	X	X	TSK
CANADA BASIN	CB213	72	58.77	143	34.33	76	2	8	6	194	X	X	X	TSK
CANADA BASIN	CB214	72	58.25	143	32.45	76	2	8	10	190	X	X	X	TSK
CANADA BASIN	CB215	72	57.58	143	29.89	76	2	8	16	192	X	X	X	TSK
CANADA BASIN	CB216	72	56.99	143	27.27	76	2	8	22	192	X	X	X	TSK
CANADA BASIN	CB217	72	56.38	143	24.05	76	2	9	4	190	X	X	X	TSK
CANADA BASIN	CB218	72	55.99	143	21.65	76	2	9	10	190	X	X	X	TSK
CANADA BASIN	CB219	72	55.71	143	19.28	76	2	9	23	200	X	X	X	TSK
CANADA BASIN	CB220	72	55.68	143	19.18	76	2	10	4	200	X	X	X	TSK
CANADA BASIN	CB221	72	55.71	143	19.21	76	2	10	10	200	X	X	X	TSK
CANADA BASIN	CB222	72	55.68	143	19.31	76	2	10	19	200	X	X	X	TSK
CANADA BASIN	CB223	72	55.69	143	19.30	76	2	10	22	200	X	X	X	TSK
CANADA BASIN	CB224	72	55.69	143	19.42	76	2	11	4	200	X	X	X	TSK
CANADA BASIN	CB225	72	55.68	143	19.31	76	2	11	10	200	X	X	X	TSK
CANADA BASIN	CB226	72	55.67	143	19.32	76	2	11	16	200	X	X	X	TSK
CANADA BASIN	CB227	72	55.64	143	19.04	76	2	11	22	190	X	X	X	TSK
CANADA BASIN	CB228	72	55.55	143	18.39	76	2	12	5	192	X	X	X	TSK
CANADA BASIN	CB229	72	55.21	143	17.16	76	2	12	11	190	X	X	X	TSK
CANADA BASIN	CB230	72	55.10	143	16.83	76	2	12	16	192	X	X	X	TSK
CANADA BASIN	CB231	72	54.91	143	16.12	76	2	12	23	200	X	X	X	TSK
CANADA BASIN	CB232	72	54.92	143	16.14	76	2	13	5	200	X	X	X	TSK
CANADA BASIN	CB233	72	54.92	143	16.18	76	2	13	11	200	X	X	X	TSK
CANADA BASIN	CB234	72	54.91	143	16.05	76	2	13	16	200	X	X	X	TSK
CANADA BASIN	CB235	72	54.90	143	16.13	76	2	13	23	200	X	X	X	TSK
CANADA BASIN	CB236	72	54.89	143	16.26	76	2	14	5	200	X	X	X	TSK
CANADA BASIN	CB237	72	54.90	143	16.06	76	2	14	10	200	X	X	X	TSK

CANADA BASIN	CB238	72	54.89	143	16.14	76	2	14	16	200	X	X	X	TSK
CANADA BASIN	CB239	72	54.90	143	16.14	76	2	14	22	200	X	X	X	TSK
CANADA BASIN	CB240	72	54.93	143	16.02	76	2	16	4	200	X	X	X	TSK
CANADA BASIN	CB241	72	54.87	143	16.26	76	2	16	11	200	X	X	X	TSK
CANADA BASIN	CB242	72	54.91	143	16.23	76	2	16	16	200	X	X	X	TSK
CANADA BASIN	CB243	72	54.91	143	16.16	76	2	16	22	200	X	X	X	TSK
CANADA BASIN	CB244	72	54.89	143	16.02	76	2	17	5	200	X	X	X	TSK
CANADA BASIN	CB245	72	54.90	143	16.18	76	2	17	10	200	X	X	X	TSK
CANADA BASIN	CB246	72	54.90	143	16.16	76	2	17	16	200	X	X	X	TSK
CANADA BASIN	CB247	72	54.89	143	16.23	76	2	18	5	200	X	X	X	TSK
CANADA BASIN	CB248	72	54.89	143	16.13	76	2	18	10	200	X	X	X	TSK
CANADA BASIN	CB249	72	54.89	143	16.21	76	2	18	16	200	X	X	X	TSK
CANADA BASIN	CB250	72	54.89	143	16.16	76	2	18	22	200	X	X	X	TSK
CANADA BASIN	CB251	72	54.89	143	16.08	76	2	19	5	200	X	X	X	TSK
CANADA BASIN	CB252	72	54.90	143	16.24	76	2	19	10	200	X	X	X	TSK
CANADA BASIN	CB253	72	54.89	143	16.27	76	2	19	16	200	X	X	X	TSK
CANADA BASIN	CB254	72	54.90	143	16.06	76	2	19	23	200	X	X	X	TSK
CANADA BASIN	CB255	72	54.89	143	16.44	76	2	20	4	200	X	X	X	TSK
CANADA BASIN	CB256	72	54.88	143	16.13	76	2	20	10	200	X	X	X	TSK
CANADA BASIN	CB257	72	54.90	143	16.01	76	2	20	16	200	X	X	X	TSK
CANADA BASIN	CB258	72	54.90	143	16.15	76	2	20	22	200	X	X	X	TSK
CANADA BASIN	CB259	72	54.89	143	16.13	76	2	21	5	200	X	X	X	TSK
CANADA BASIN	CB260	72	54.91	143	16.18	76	2	21	10	200	X	X	X	TSK
CANADA BASIN	CB261	72	54.90	143	16.31	76	2	21	16	200	X	X	X	TSK
CANADA BASIN	CB262	72	54.89	143	16.15	76	2	21	23	200	X	X	X	TSK
CANADA BASIN	CB263	72	54.89	143	15.96	76	2	22	5	200	X	X	X	TSK
CANADA BASIN	CB264	72	54.90	143	16.20	76	2	22	12	200	X	X	X	TSK
CANADA BASIN	CB265	72	54.89	143	16.14	76	2	22	16	200	X	X	X	TSK
CANADA BASIN	CB266	72	54.89	143	16.09	76	2	22	22	200	X	X	X	TSK
CANADA BASIN	CB267	72	54.89	143	16.23	76	2	23	5	200	X	X	X	TSK
CANADA BASIN	CB268	72	54.88	143	16.21	76	2	23	10	200	X	X	X	TSK
CANADA BASIN	CB269	72	54.88	143	16.18	76	2	23	16	200	X	X	X	TSK
CANADA BASIN	CB270	72	54.90	143	16.24	76	2	23	22	200	X	X	X	TSK
CANADA BASIN	CB271	72	54.89	143	16.19	76	2	24	5	200	X	X	X	TSK
CANADA BASIN	CB272	72	54.88	143	16.23	76	2	24	10	200	X	X	X	TSK
CANADA BASIN	CB273	72	54.90	143	16.24	76	2	24	16	200	X	X	X	TSK
CANADA BASIN	CB274	72	54.89	143	16.28	76	2	24	22	200	X	X	X	TSK
CANADA BASIN	CB275	72	54.89	143	16.29	76	2	25	4	200	X	X	X	TSK
CANADA BASIN	CB276	72	54.87	143	16.38	76	2	25	10	200	X	X	X	TSK
CANADA BASIN	CB277	72	54.91	143	16.35	76	2	25	19	200	X	X	X	TSK
CANADA BASIN	CB278	72	54.88	143	16.23	76	2	26	8	200	X	X	X	TSK
CANADA BASIN	CB279	72	54.91	143	16.13	76	2	26	19	200	X	X	X	TSK
CANADA BASIN	CB280	72	56.49	143	16.38	76	2	27	7	200	X	X	X	TSK
CANADA BASIN	CB281	72	56.75	143	14.11	76	2	27	20	200	X	X	X	TSK
CANADA BASIN	CB282	72	56.39	143	13.41	76	2	28	8	200	X	X	X	TSK
CANADA BASIN	CB283	72	56.41	143	13.72	76	2	28	19	200	X	X	X	TSK
CANADA BASIN	CB284	72	56.99	143	14.85	76	2	29	8	200	X	X	X	TSK
CANADA BASIN	CB285	72	59.36	143	20.14	76	3	1	7	200	X	X	X	TSK
CANADA BASIN	CB286	72	59.35	143	21.00	76	3	1	16	200	X	X	X	TSK
CANADA BASIN	CB287	72	59.07	143	21.06	76	3	2	7	200	X	X	X	TSK
CANADA BASIN	CB288	72	58.19	143	19.41	76	3	2	20	200	X	X	X	TSK
CANADA BASIN	CB289	72	57.69	143	19.24	76	3	3	7	200	X	X	X	TSK
CANADA BASIN	CB290	72	58.03	143	21.92	76	3	3	21	200	X	X	X	TSK
CANADA BASIN	CB291	72	58.57	143	28.28	76	3	4	4	189	X	X	X	TSK
CANADA BASIN	CB292	72	58.44	143	32.85	76	3	4	10	190	X	X	X	TSK
CANADA BASIN	CB293	72	57.78	143	41.12	76	3	4	21	189	X	X	X	TSK
CANADA BASIN	CB294	72	56.79	143	42.84	76	3	5	7	200	X	X	X	TSK
CANADA BASIN	CB295	72	56.37	143	41.05	76	3	5	20	200	X	X	X	TSK
CANADA BASIN	CB296	72	56.14	143	39.68	76	3	6	7	200	X	X	X	TSK
CANADA BASIN	CB297	72	56.14	143	38.88	76	3	6	20	200	X	X	X	TSK
CANADA BASIN	CB298	72	56.60	143	42.66	76	3	7	7	190	X	X	X	TSK
CANADA BASIN	CB299	72	57.87	143	51.57	76	3	7	19	188	X	X	X	TSK
CANADA BASIN	CB300	72	58.30	144	1.72	76	3	8	7	200	X	X	X	TSK
CANADA BASIN	CB301	72	58.49	144	10.96	76	3	8	20	190	X	X	X	TSK
CANADA BASIN	CB302	72	58.81	144	18.21	76	3	9	7	191	X	X	X	TSK
CANADA BASIN	CB303	72	58.88	144	20.90	76	3	9	16	173	X	X	X	TSK
CANADA BASIN	CB304	72	58.85	144	22.22	76	3	9	23	180	X	X	X	TSK
CANADA BASIN	CB305	72	58.78	144	24.06	76	3	10	4	191	X	X	X	TSK
CANADA BASIN	CB306	72	58.71	144	25.87	76	3	10	10	190	X	X	X	TSK
CANADA BASIN	CB307	72	58.57	144	27.84	76	3	10	19	190	X	X	X	TSK
CANADA BASIN	CB308	72	58.31	144	28.96	76	3	11	8	190	X	X	X	TSK
CANADA BASIN	CB309	72	58.30	144	28.62	76	3	11	20	190	X	X	X	TSK
CANADA BASIN	CB310	72	58.09	144	29.34	76	3	12	8	191	X	X	X	TSK
CANADA BASIN	CB311	72	58.07	144	29.25	76	3	12	20	190	X	X	X	TSK
CANADA BASIN	CB312	72	58.07	144	29.32	76	3	13	8	190	X	X	X	TSK
CANADA BASIN	CB313	72	57.72	144	29.17	76	3	13	19	190	X	X	X	TSK
CANADA BASIN	CB314	72	57.01	144	27.52	76	3	14	4	190	X	X	X	TSK
CANADA BASIN	CB315	72	56.19	144	25.88	76	3	14	10	189	X	X	X	TSK
CANADA BASIN	CB316	72	55.26	144	24.36	76	3	14	16	190	X	X	X	TSK
CANADA BASIN	CB317	72	53.98	144	22.61	76	3	14	23	190	X	X	X	TSK
CANADA BASIN	CB318	72	52.68	144	21.27	76	3	15	5	190	X	X	X	TSK
CANADA BASIN	CB319	72	51.54	144	19.05	76	3	15	10	189	X	X	X	TSK
CANADA BASIN	CB320	72	50.03	144	17.07	76	3	15	16	188	X	X	X	TSK

CANADA	BAS IN	CB321	72	48.74	144	15.19	76	3	15	23	190	X	X	X	TSK
CANADA	BAS IN	CB322	72	48.27	144	14.62	76	3	16	5	200	X	X	X	TSK
CANADA	BAS IN	CB323	72	48.20	144	14.78	76	3	16	10	191	X	X	X	TSK
CANADA	BAS IN	CB324	72	47.80	144	15.11	76	3	16	16	190	X	X	X	TSK
CANADA	BAS IN	CB325	72	46.78	144	14.60	76	3	16	23	190	X	X	X	TSK
CANADA	BAS IN	CB326	72	45.12	144	14.15	76	3	17	5	190	X	X	X	TSK
CANADA	BAS IN	CB327	72	44.01	144	12.41	76	3	17	10	190	X	X	X	TSK
CANADA	BAS IN	CB328	72	43.47	144	10.67	76	3	17	16	190	X	X	X	TSK
CANADA	BAS IN	CB329	72	43.35	144	9.92	76	3	17	23	200	X	X	X	TSK
CANADA	BAS IN	CB330	72	43.34	144	9.88	76	3	18	4	200	X	X	X	TSK
CANADA	BAS IN	CB331	72	43.35	144	9.86	76	3	18	19	200	X	X	X	TSK
CANADA	BAS IN	CB332	72	43.28	144	9.84	76	3	19	8	200	X	X	X	TSK
CANADA	BAS IN	CB333	72	43.34	144	9.92	76	3	19	19	200	X	X	X	TSK
CANADA	BAS IN	CB334	72	43.36	144	9.94	76	3	20	8	200	X	X	X	TSK
CANADA	BAS IN	CB335	72	43.34	144	9.90	76	3	20	20	200	X	X	X	TSK
CANADA	BAS IN	CB336	72	43.28	144	10.18	76	3	21	8	200	X	X	X	TSK
CANADA	BAS IN	CB337	72	43.34	144	9.97	76	3	21	20	200	X	X	X	TSK
CANADA	BAS IN	CB338	72	43.34	144	9.91	76	3	22	7	200	X	X	X	TSK
CANADA	BAS IN	CB339	72	43.34	144	9.92	76	3	22	20	200	X	X	X	TSK
CANADA	BAS IN	CB340	72	43.31	144	9.97	76	3	23	7	200	X	X	X	TSK
CANADA	BAS IN	CB341	72	43.33	144	9.98	76	3	23	20	200	X	X	X	TSK
CANADA	BAS IN	CB342	72	43.30	144	9.82	76	3	24	7	200	X	X	X	TSK
CANADA	BAS IN	CB343	72	43.33	144	9.82	76	3	24	20	200	X	X	X	TSK
CANADA	BAS IN	CB344	72	43.37	144	9.45	76	3	25	7	200	X	X	X	TSK
CANADA	BAS IN	CB345	72	43.37	144	9.42	76	3	25	19	200	X	X	X	TSK
CANADA	BAS IN	CB346	72	43.40	144	9.37	76	3	26	8	200	X	X	X	TSK
CANADA	BAS IN	CB347	72	43.36	144	9.47	76	3	26	20	200	X	X	X	TSK
CANADA	BAS IN	CB348	72	43.38	144	9.50	76	3	27	7	200	X	X	X	TSK
CANADA	BAS IN	CB349	72	43.34	144	9.63	76	3	27	19	200	X	X	X	TSK
CANADA	BAS IN	CB350	72	43.38	144	9.53	76	3	28	8	200	X	X	X	TSK
CANADA	BAS IN	CB351	72	43.36	144	9.55	76	3	28	19	200	X	X	X	TSK
CANADA	BAS IN	CB352	72	43.37	144	9.51	76	3	29	7	200	X	X	X	TSK
CANADA	BAS IN	CB353	72	43.37	144	9.53	76	3	29	19	200	X	X	X	TSK
CANADA	BAS IN	CB354	72	43.37	144	9.58	76	3	30	8	200	X	X	X	TSK
CANADA	BAS IN	CB355	72	43.36	144	9.61	76	3	30	19	200	X	X	X	TSK
CANADA	BAS IN	CB356	72	43.36	144	9.49	76	3	31	7	200	X	X	X	TSK
CANADA	BAS IN	CB357	72	43.37	144	9.40	76	3	31	19	200	X	X	X	TSK
CANADA	BAS IN	CB358	72	43.35	144	9.63	76	4	1	8	200	X	X	X	TSK
CANADA	BAS IN	CB359	72	43.37	144	9.53	76	4	1	19	200	X	X	X	TSK
CANADA	BAS IN	CB360	72	43.37	144	9.56	76	4	2	7	200	X	X	X	TSK
CANADA	BAS IN	CB361	72	43.36	144	9.55	76	4	3	8	200	X	X	X	TSK
CANADA	BAS IN	CB362	72	43.36	144	9.50	76	4	3	19	200	X	X	X	TSK
CANADA	BAS IN	CB363	72	43.26	144	9.53	76	4	4	8	200	X	X	X	TSK
CANADA	BAS IN	CB364	72	43.37	144	9.48	76	4	4	19	200	X	X	X	TSK
CANADA	BAS IN	CB365	72	42.93	144	14.67	76	4	5	9	200	X	X	X	TSK
CANADA	BAS IN	CB366	72	42.85	144	15.44	76	4	5	19	200	X	X	X	TSK
CANADA	BAS IN	CB367	72	42.81	144	17.48	76	4	6	9	200	X	X	X	TSK
CANADA	BAS IN	CB368	72	42.90	144	17.80	76	4	6	19	200	X	X	X	TSK
CANADA	BAS IN	CB369	72	42.85	144	17.54	76	4	7	7	200	X	X	X	TSK
CANADA	BAS IN	CB370	72	42.85	144	17.68	76	4	7	19	200	X	X	X	TSK
CANADA	BAS IN	CB371	72	42.82	144	17.86	76	4	8	7	200	X	X	X	TSK
CANADA	BAS IN	CB372	72	43.91	144	20.58	76	4	8	21	190	X	X	X	TSK
CANADA	BAS IN	CB373	72	45.50	144	23.36	76	4	9	7	190	X	X	X	TSK
CANADA	BAS IN	CB374	72	45.82	144	23.24	76	4	9	13	200	X	X	X	TSK
CANADA	BAS IN	CB375	72	44.14	144	26.80	76	4	10	7	200	X	X	X	TSK
CANADA	BAS IN	CB376	72	43.52	144	28.99	76	4	10	16	200	X	X	X	TSK
CANADA	BAS IN	CB377	72	43.11	144	34.92	76	4	11	8	190	X	X	X	TSK
CANADA	BAS IN	CB378	72	43.10	144	36.08	76	4	11	9	*	X	X	X	TSK
CANADA	BAS IN	CB379	72	43.43	144	42.71	76	4	11	17	191	X	X	X	TSK
CANADA	BAS IN	CB380	72	43.77	144	48.56	76	4	11	23	200	X	X	X	TSK
CANADA	BAS IN	CB381	72	44.46	144	54.00	76	4	12	7	200	X	X	X	TSK
CANADA	BAS IN	CB382	72	44.58	144	55.50	76	4	12	16	200	X	X	X	TSK
CANADA	BAS IN	CB383	72	44.34	144	54.01	76	4	13	7	200	X	X	X	TSK
CANADA	BAS IN	CB384	72	44.19	144	52.59	76	4	13	16	200	X	X	X	TSK
CANADA	BAS IN	CB385	72	43.98	144	50.15	76	4	14	7	200	X	X	X	TSK
CANADA	BAS IN	CB386	72	43.85	144	47.58	76	4	14	16	190	X	X	X	TSK
CANADA	BAS IN	CB387	72	43.96	144	40.35	76	4	15	1	190	X	X	X	TSK
CANADA	BAS IN	CB388	72	44.37	144	37.48	76	4	15	8	186	X	X	X	TSK
CANADA	BAS IN	CB389	72	44.92	144	33.92	76	4	15	16	190	X	X	X	TSK
CANADA	BAS IN	CB390	72	45.63	144	27.47	76	4	16	3	190	X	X	X	TSK
CANADA	BAS IN	CB391	72	45.78	144	26.64	76	4	16	8	200	X	X	X	TSK
CANADA	BAS IN	CB392	72	45.92	144	26.34	76	4	16	17	200	X	X	X	TSK
CANADA	BAS IN	CB393	72	45.52	144	26.33	76	4	17	7	200	X	X	X	TSK
CANADA	BAS IN	CB394	72	45.52	144	26.34	76	4	17	16	200	X	X	X	TSK
CANADA	BAS IN	CB395	72	45.53	144	27.73	76	4	18	8	200	X	X	X	TSK
CANADA	BAS IN	CB396	72	45.41	144	28.36	76	4	18	16	190	X	X	X	TSK
CANADA	BAS IN	CB397	72	45.09	144	35.31	76	4	19	8	200	X	X	X	TSK
CANADA	BAS IN	CB398	72	44.83	144	37.35	76	4	19	16	190	X	X	X	TSK
CANADA	BAS IN	CB399	72	44.03	144	43.00	76	4	20	7	200	X	X	X	TSK
CANADA	BAS IN	CB400	72	43.97	144	42.98	76	4	20	16	200	X	X	X	TSK
CANADA	BAS IN	CB401	72	43.57	144	48.59	76	4	21	8	200	X	X	X	TSK
CANADA	BAS IN	CB402	72	43.59	144	49.14	76	4	21	16	200	X	X	X	TSK
CANADA	BAS IN	CB403	72	43.51	144	53.19	76	4	22	7	200	X	X	X	TSK

CANADA	BAS IN	CB404	72	43.50	144	53.02	76	4	22	16	200	X	X	X	TSK
CANADA	BAS IN	BF 1	77	16.04	143	30.12	75	5	8	6	200	X	X	X	TSK
CANADA	BAS IN	BF 2	77	16.37	143	34.58	75	5	8	19	200	X	X	X	TSK
CANADA	BAS IN	BF 3	77	17.20	143	37.25	75	5	9	7	190	X	X	X	TSK
CANADA	BAS IN	BF 4	77	18.27	143	36.21	75	5	9	19	190	X	X	X	TSK
CANADA	BAS IN	BF 5	77	18.10	143	33.12	75	5	10	8	200	X	X	X	TSK
CANADA	BAS IN	BF 6	77	16.10	143	29.59	75	5	11		191	X	X	X	TSK
CANADA	BAS IN	BF 7	77	15.14	143	26.70	75	5	11	7	192	X	X	X	TSK
CANADA	BAS IN	BF 8	77	13.51	143	23.52	75	5	11	19	190	X	X	X	TSK
CANADA	BAS IN	BF 9	77	11.77	143	23.36	75	5	12	7	200	X	X	X	TSK
CANADA	BAS IN	BF 10	77	9.79	143	22.52	75	5	12	19	184	X	X	X	TSK
CANADA	BAS IN	BF 11	77	7.16	143	25.77	75	5	13	7	200	X	X	X	TSK
CANADA	BAS IN	BF 12	77	5.05	143	25.72	75	5	13	19	190	X	X	X	TSK
CANADA	BAS IN	BF 13	77	3.08	143	20.15	75	5	14	8	190	X	X	X	TSK
CANADA	BAS IN	BF 14	77	1.16	143	13.35	75	5	14	20	190	X	X	X	TSK
CANADA	BAS IN	BF 15	76	59.67	143	6.12	75	5	15	5	190	X	X	X	TSK
CANADA	BAS IN	BF 16	76	56.38	143	4.61	75	5	15	21	190	X	X	X	TSK
CANADA	BAS IN	BF 17	76	55.49	143	4.34	75	5	16	5	190	X	X	X	TSK
CANADA	BAS IN	BF 18	76	56.44	143	4.14	75	5	16	21	190	X	X	X	TSK
CANADA	BAS IN	BF 19	76	57.81	143	6.45	75	5	17	5	189	X	X	X	TSK
CANADA	BAS IN	BF 20	76	59.33	143	17.11	75	5	17	21	190	X	X	X	TSK
CANADA	BAS IN	BF 21	76	59.62	143	23.53	75	5	18	5	190	X	X	X	TSK
CANADA	BAS IN	BF 22	76	59.32	143	36.80	75	5	18	21	190	X	X	X	TSK
CANADA	BAS IN	BF 23	76	58.41	143	42.34	75	5	19	5	200	X	X	X	TSK
CANADA	BAS IN	BF 24	76	56.66	143	47.33	75	5	19	21	190	X	X	X	TSK
CANADA	BAS IN	BF 25	76	55.81	143	50.05	75	5	20	5	200	X	X	X	TSK
CANADA	BAS IN	BF 26	76	54.98	143	48.10	75	5	20	21	200	X	X	X	TSK
CANADA	BAS IN	BF 27	76	54.79	143	44.67	75	5	21	6	200	X	X	X	TSK
CANADA	BAS IN	BF 28	76	55.32	143	39.64	75	5	21	21	190	X	X	X	TSK
CANADA	BAS IN	BF 29	76	56.21	143	35.45	75	5	22	5	190	X	X	X	TSK
CANADA	BAS IN	BF 30	76	57.31	143	27.94	75	5	22	21	190	X	X	X	TSK
CANADA	BAS IN	BF 31	76	57.50	143	23.01	75	5	23	5	200	X	X	X	TSK
CANADA	BAS IN	BF 32	76	57.26	143	17.78	75	5	23	20	200	X	X	X	TSK
CANADA	BAS IN	BF 33	76	56.82	143	16.39	75	5	24	5	190	X	X	X	TSK
CANADA	BAS IN	BF 34	76	56.28	143	13.35	75	5	24	21	200	X	X	X	TSK
CANADA	BAS IN	BF 35	76	56.47	143	11.97	75	5	25	5	200	X	X	X	TSK
CANADA	BAS IN	BF 36	76	57.83	143	13.38	75	5	26		190	X	X	X	TSK
CANADA	BAS IN	BF 37	76	58.13	143	16.16	75	5	26	6	200	X	X	X	TSK
CANADA	BAS IN	BF 38	76	57.90	143	30.65	75	5	26	23	191	X	X	X	TSK
CANADA	BAS IN	BF 39	76	57.90	143	36.02	75	5	27	5	190	X	X	X	TSK
CANADA	BAS IN	BF 40	76	58.35	143	48.21	75	5	27	21	190	X	X	X	TSK
CANADA	BAS IN	BF 41	76	58.97	143	56.53	75	5	28	5	190	X	X	X	TSK
CANADA	BAS IN	BF 42	77	0.60	144	11.46	75	5	28	21	186	X	X	X	TSK
CANADA	BAS IN	BF 43	77	1.81	144	19.77	75	5	29	5	180	X	X	X	TSK
CANADA	BAS IN	BF 44	77	3.56	144	30.62	75	5	29	21	180	X	X	X	TSK
CANADA	BAS IN	BF 45	77	4.58	144	37.18	75	5	30	5	192	X	X	X	TSK
CANADA	BAS IN	BF 46	77	5.81	144	44.40	75	5	30	21	190	X	X	X	TSK
CANADA	BAS IN	BF 47	77	6.09	144	47.32	75	5	31	5	190	X	X	X	TSK
CANADA	BAS IN	BF 48	77	6.37	144	55.01	75	5	31	21	190	X	X	X	TSK
CANADA	BAS IN	BF 49	77	6.43	144	59.70	75	6	1	5	190	X	X	X	TSK
CANADA	BAS IN	BF 50	77	6.23	145	7.69	75	6	1	21	190	X	X	X	TSK
CANADA	BAS IN	BF 51	77	6.24	145	12.40	75	6	2	5	191	X	X	X	TSK
CANADA	BAS IN	BF 52	77	6.20	145	17.78	75	6	2	21	190	X	X	X	TSK
CANADA	BAS IN	BF 53	77	6.32	145	21.01	75	6	3	5	190	X	X	X	TSK
CANADA	BAS IN	BF 54	77	7.08	145	28.58	75	6	3	21	190	X	X	X	TSK
CANADA	BAS IN	BF 55	77	7.44	145	33.84	75	6	4	5	200	X	X	X	TSK
CANADA	BAS IN	BF 56	77	7.27	145	44.72	75	6	4	20	190	X	X	X	TSK
CANADA	BAS IN	BF 57	77	6.98	145	50.60	75	6	5	5	190	X	X	X	TSK
CANADA	BAS IN	BF 58	77	5.87	145	59.38	75	6	5	21	190	X	X	X	TSK
CANADA	BAS IN	BF 59	77	5.15	146	3.85	75	6	6	5	190	X	X	X	TSK
CANADA	BAS IN	BF 60	77	3.67	146	11.66	75	6	6	21	200	X	X	X	TSK
CANADA	BAS IN	BF 61	77	2.79	146	15.17	75	6	7	5	193	X	X	X	TSK
CANADA	BAS IN	BF 62	77	1.40	146	19.86	75	6	7	20	190	X	X	X	TSK
CANADA	BAS IN	BF 63	76	59.84	146	22.77	75	6	8	5	200	X	X	X	TSK
CANADA	BAS IN	BF 64	76	55.83	146	22.10	75	6	9	5	200	X	X	X	TSK
CANADA	BAS IN	BF 65	76	53.91	146	21.22	75	6	9	21	200	X	X	X	TSK
CANADA	BAS IN	BF 66	76	53.27	146	19.07	75	6	10	5	200	X	X	X	TSK
CANADA	BAS IN	BF 67	76	52.31	146	13.95	75	6	10	21	200	X	X	X	TSK
CANADA	BAS IN	BF 68	76	51.84	146	11.26	75	6	11	5	200	X	X	X	TSK
CANADA	BAS IN	BF 69	76	51.66	146	10.30	75	6	11	21	200	X	X	X	TSK
CANADA	BAS IN	BF 70	76	50.97	146	10.53	75	6	12	5	190	X	X	X	TSK
CANADA	BAS IN	BF 71	76	49.26	146	8.94	75	6	12	21	192	X	X	X	TSK
CANADA	BAS IN	BF 72	76	48.59	146	10.88	75	6	13	5	190	X	X	X	TSK
CANADA	BAS IN	BF 73	76	47.94	146	14.65	75	6	13	21	200	X	X	X	TSK
CANADA	BAS IN	BF 74	76	47.78	146	15.37	75	6	14	5	200	X	X	X	TSK
CANADA	BAS IN	BF 75	76	48.04	146	15.92	75	6	14	21	190	X	X	X	TSK
CANADA	BAS IN	BF 76	76	48.30	146	14.89	75	6	15	5	200	X	X	X	TSK
CANADA	BAS IN	BF 77	76	48.78	146	21.05	75	6	15	21	200	X	X	X	TSK
CANADA	BAS IN	BF 78	76	48.71	146	23.98	75	6	16	5	200	X	X	X	TSK
CANADA	BAS IN	BF 79	76	48.52	146	25.55	75	6	16	20	190	X	X	X	TSK
CANADA	BAS IN	BF 80	76	49.44	146	29.09	75	6	17	5	190	X	X	X	TSK
CANADA	BAS IN	BF 81	76	51.93	146	42.10	75	6	17	21	191	X	X	X	TSK
CANADA	BAS IN	BF 82	76	51.99	146	50.74	75	6	18	5	190	X	X	X	TSK

CANADA	BAS IN	BF 83	76	48.57	147	1.31	75	6	18	21	190	X	X	X	TSK
CANADA	BAS IN	BF 84	76	46.69	147	4.13	75	6	19	5	160	X	X	X	TSK
CANADA	BAS IN	BF 85	76	46.24	147	8.41	75	6	19	21	188	X	X	X	TSK
CANADA	BAS IN	BF 86	76	45.65	147	10.99	75	6	20	5	180	X	X	X	TSK
CANADA	BAS IN	BF 87	76	44.70	147	13.15	75	6	20	21	180	X	X	X	TSK
CANADA	BAS IN	BF 88	76	44.46	147	12.98	75	6	21	5	190	X	X	X	TSK
CANADA	BAS IN	BF 89	76	45.01	147	13.88	75	6	21	21	190	X	X	X	TSK
CANADA	BAS IN	BF 90	76	46.82	147	16.40	75	6	22	5	180	X	X	X	TSK
CANADA	BAS IN	BF 91	76	48.52	147	13.23	75	6	22	21	200	X	X	X	TSK
CANADA	BAS IN	BF 92	76	49.07	147	14.45	75	6	23	5	200	X	X	X	TSK
CANADA	BAS IN	BF 93	76	49.94	147	25.80	75	6	23	20	190	X	X	X	TSK
CANADA	BAS IN	BF 94	76	50.19	147	27.84	75	6	24	5	200	X	X	X	TSK
CANADA	BAS IN	BF 95	76	50.15	147	29.87	75	6	24	21	200	X	X	X	TSK
CANADA	BAS IN	BF 96	76	50.08	147	29.31	75	6	25	5	190	X	X	X	TSK
CANADA	BAS IN	BF 97	76	48.69	147	17.77	75	6	25	21	190	X	X	X	TSK
CANADA	BAS IN	BF 98	76	48.19	147	10.87	75	6	26	7	190	X	X	X	TSK
CANADA	BAS IN	BF 99	76	48.63	147	9.97	75	6	26	21	190	X	X	X	TSK
CANADA	BAS IN	BF100	76	49.30	147	14.31	75	6	27	5	190	X	X	X	TSK
CANADA	BAS IN	BF101	76	49.69	147	10.36	75	6	27	21	190	X	X	X	TSK
CANADA	BAS IN	BF102	76	50.14	147	6.13	75	6	28	6	190	X	X	X	TSK
CANADA	BAS IN	BF103	76	50.28	146	53.60	75	6	28	21	190	X	X	X	TSK
CANADA	BAS IN	BF104	76	48.75	146	44.83	75	6	29	5	190	X	X	X	TSK
CANADA	BAS IN	BF105	76	48.56	146	32.82	75	6	29	21	190	X	X	X	TSK
CANADA	BAS IN	BF106	76	49.94	146	28.36	75	6	30	5	190	X	X	X	TSK
CANADA	BAS IN	BF107	76	54.24	146	27.94	75	6	30	21	190	X	X	X	TSK
CANADA	BAS IN	BF108	76	55.45	146	22.48	75	7	1	5	200	X	X	X	TSK
CANADA	BAS IN	BF109	76	54.35	146	9.39	75	7	1	21	190	X	X	X	TSK
CANADA	BAS IN	BF110	76	53.85	146	5.35	75	7	2	5	190	X	X	X	TSK
CANADA	BAS IN	BF111	76	53.22	146	5.05	75	7	2	21	190	X	X	X	TSK
CANADA	BAS IN	BF112	76	53.36	145	55.37	75	7	3	5	190	X	X	X	TSK
CANADA	BAS IN	BF113	76	54.47	145	35.45	75	7	3	21	190	X	X	X	TSK
CANADA	BAS IN	BF114	76	54.84	145	27.03	75	7	4	5	190	X	X	X	TSK
CANADA	BAS IN	BF115	76	52.11	145	15.05	75	7	4	21	190	X	X	X	TSK
CANADA	BAS IN	BF116	76	49.98	145	4.70	75	7	5	5	190	X	X	X	TSK
CANADA	BAS IN	BF117	76	46.41	144	50.59	75	7	5	21	200	X	X	X	TSK
CANADA	BAS IN	BF118	76	44.62	144	42.53	75	7	6	5	200	X	X	X	TSK
CANADA	BAS IN	BF119	76	42.09	144	30.95	75	7	6	21	200	X	X	X	TSK
CANADA	BAS IN	BF120	76	44.16	144	26.45	75	7	7	5	200	X	X	X	TSK
CANADA	BAS IN	BF121	76	42.58	144	3.90	75	7	7	21	200	X	X	X	TSK
CANADA	BAS IN	BF122	76	40.85	143	57.03	75	7	8	5	190	X	X	X	TSK
CANADA	BAS IN	BF123	76	39.92	143	53.94	75	7	8	21	200	X	X	X	TSK
CANADA	BAS IN	BF124	76	39.88	143	50.19	75	7	9	5	190	X	X	X	TSK
CANADA	BAS IN	BF125	76	42.81	143	38.39	75	7	9	21	190	X	X	X	TSK
CANADA	BAS IN	BF126	76	42.09	143	20.93	75	7	10	5	200	X	X	X	TSK
CANADA	BAS IN	BF127	76	38.34	142	59.90	75	7	10	21	190	X	X	X	TSK
CANADA	BAS IN	BF128	76	37.09	142	54.67	75	7	11	5	190	X	X	X	TSK
CANADA	BAS IN	BF129	76	35.87	142	49.59	75	7	11	21	200	X	X	X	TSK
CANADA	BAS IN	BF130	76	35.94	142	47.22	75	7	12	5	190	X	X	X	TSK
CANADA	BAS IN	BF131	76	36.33	142	47.24	75	7	12	21	200	X	X	X	TSK
CANADA	BAS IN	BF132	76	36.91	142	49.05	75	7	13	6	200	X	X	X	TSK
CANADA	BAS IN	BF133	76	37.62	142	50.62	75	7	13	21	200	X	X	X	TSK
CANADA	BAS IN	BF134	76	37.84	142	49.92	75	7	14	5	190	X	X	X	TSK
CANADA	BAS IN	BF135	76	37.29	142	48.15	75	7	14	21	190	X	X	X	TSK
CANADA	BAS IN	BF136	76	36.56	142	49.49	75	7	15	5	190	X	X	X	TSK
CANADA	BAS IN	BF137	76	34.38	142	52.15	75	7	15	22	190	X	X	X	TSK
CANADA	BAS IN	BF138	76	32.65	142	51.06	75	7	16	5	190	X	X	X	TSK
CANADA	BAS IN	BF139	76	27.20	142	44.93	75	7	16	23	190	X	X	X	TSK
CANADA	BAS IN	BF140	76	26.10	142	44.11	75	7	17	5	200	X	X	X	TSK
CANADA	BAS IN	BF141	76	24.19	142	39.47	75	7	17	21	200	X	X	X	TSK
CANADA	BAS IN	BF142	76	23.14	142	37.36	75	7	18	5	200	X	X	X	TSK
CANADA	BAS IN	BF143	76	19.07	142	35.28	75	7	18	21	190	X	X	X	TSK
CANADA	BAS IN	BF144	76	16.61	142	36.09	75	7	19	5	190	X	X	X	TSK
CANADA	BAS IN	BF145	76	13.01	142	38.18	75	7	19	21	190	X	X	X	TSK
CANADA	BAS IN	BF146	76	11.29	142	36.63	75	7	20	5	190	X	X	X	TSK
CANADA	BAS IN	BF147	76	6.11	142	30.77	75	7	20	21	190	X	X	X	TSK
CANADA	BAS IN	BF148	76	3.23	142	31.84	75	7	21	5	190	X	X	X	TSK
CANADA	BAS IN	BF149	75	58.72	142	35.27	75	7	21	21	190	X	X	X	TSK
CANADA	BAS IN	BF150	75	56.27	142	35.62	75	7	22	5	190	X	X	X	TSK
CANADA	BAS IN	BF151	75	52.32	142	37.55	75	7	22	21	190	X	X	X	TSK
CANADA	BAS IN	BF152	75	50.50	142	39.16	75	7	23	5	200	X	X	X	TSK
CANADA	BAS IN	BF153	75	47.52	142	43.03	75	7	23	22	200	X	X	X	TSK
CANADA	BAS IN	BF154	75	46.50	142	44.78	75	7	24	5	200	X	X	X	TSK
CANADA	BAS IN	BF155	75	44.45	142	48.95	75	7	24	21	200	X	X	X	TSK
CANADA	BAS IN	BF156	75	43.58	142	50.93	75	7	25	5	200	X	X	X	TSK
CANADA	BAS IN	BF157	75	42.15	142	54.20	75	7	25	21	190	X	X	X	TSK
CANADA	BAS IN	BF158	75	41.45	142	55.58	75	7	26	5	190	X	X	X	TSK
CANADA	BAS IN	BF159	75	40.24	142	57.02	75	7	26	21	190	X	X	X	TSK
CANADA	BAS IN	BF160	75	39.59	142	57.05	75	7	27	5	190	X	X	X	TSK
CANADA	BAS IN	BF161	75	38.33	142	55.41	75	7	27	21	190	X	X	X	TSK
CANADA	BAS IN	BF162	75	37.57	142	53.43	75	7	28	5	190	X	X	X	TSK
CANADA	BAS IN	BF163	75	36.15	142	48.90	75	7	28	21	190	X	X	X	TSK
CANADA	BAS IN	BF164	75	36.09	142	35.40	75	7	29	5	190	X	X	X	TSK
CANADA	BAS IN	BF165	75	32.27	142	19.61	75	7	29	21	190	X	X	X	TSK

CANADA BASIN	BF166	75	29.59	142	14.54	75	7	30	5	190	X	X	X	TSK
CANADA BASIN	BF167	75	24.89	141	59.91	75	7	30	21	190	X	X	X	TSK
CANADA BASIN	BF168	75	22.57	141	52.95	75	7	31	5	190	X	X	X	TSK
CANADA BASIN	BF169	75	19.42	141	37.85	75	7	31	21	190	X	X	X	TSK
CANADA BASIN	BF170	75	17.57	141	29.77	75	8	1	5	190	X	X	X	TSK
CANADA BASIN	BF171	75	13.78	141	17.50	75	8	1	21	190	X	X	X	TSK
CANADA BASIN	BF172	75	12.14	141	15.15	75	8	2	5	190	X	X	X	TSK
CANADA BASIN	BF173	75	9.74	141	8.72	75	8	2	21	170	X	X	X	TSK
CANADA BASIN	BF174	75	8.55	141	5.42	75	8	3	5	190	X	X	X	TSK
CANADA BASIN	BF175	75	7.01	140	56.96	75	8	3	21	160	X	X	X	TSK
CANADA BASIN	BF176	75	5.71	140	50.20	75	8	4	5	190	X	X	X	TSK
CANADA BASIN	BF177	75	5.99	140	39.26	75	8	4	20	190	X	X	X	TSK
CANADA BASIN	BF178	75	7.44	140	25.61	75	8	5	5	190	X	X	X	TSK
CANADA BASIN	BF179	75	6.47	140	9.77	75	8	6	6	190	X	X	X	TSK
CANADA BASIN	BF180	75	5.12	140	5.48	75	8	6	21	190	X	X	X	TSK
CANADA BASIN	BF181	75	5.02	140	2.52	75	8	7	5	190	X	X	X	TSK
CANADA BASIN	BF182	75	4.35	139	57.25	75	8	7	22	190	X	X	X	TSK
CANADA BASIN	BF183	75	4.22	139	54.59	75	8	8	5	190	X	X	X	TSK
CANADA BASIN	BF184	75	4.69	139	43.90	75	8	8	21	190	X	X	X	TSK
CANADA BASIN	BF185	75	4.87	139	26.11	75	8	9	5	150	X	X	X	TSK
CANADA BASIN	BF186	75	1.97	139	23.94	75	8	9	11	100	X	X	X	TSK
CANADA BASIN	BF187	75	1.56	139	5.62	75	8	9	21	190	X	X	X	TSK
CANADA BASIN	BF188	75	1.11	138	58.31	75	8	10	5	180	X	X	X	TSK
CANADA BASIN	BF189	74	58.05	138	53.78	75	8	10	11	120	X	X	X	TSK
CANADA BASIN	BF190	74	56.22	138	44.24	75	8	10	21	180	X	X	X	TSK
CANADA BASIN	BF191	74	55.54	138	39.75	75	8	11	5	190	X	X	X	TSK
CANADA BASIN	BF192	74	53.94	138	34.86	75	8	11	11	100	X	X	X	TSK
CANADA BASIN	BF193	74	53.08	138	25.38	75	8	11	21	190	X	X	X	TSK
CANADA BASIN	BF194	74	51.86	138	19.06	75	8	12	5	190	X	X	X	TSK
CANADA BASIN	BF195	74	51.86	138	17.60	75	8	12	6	100	X	X	X	TSK
CANADA BASIN	BF196	74	50.08	138	1.63	75	8	12	21	160	X	X	X	TSK
CANADA BASIN	BF197	74	50.22	137	56.51	75	8	13	5	157	X	X	X	TSK
CANADA BASIN	BF198	74	50.27	137	56.25	75	8	13	5	114	X	X	X	TSK
CANADA BASIN	BF199	74	54.41	137	39.72	75	8	13	21	190	X	X	X	TSK
CANADA BASIN	BF200	74	52.89	137	28.88	75	8	14	6	190	X	X	X	TSK
CANADA BASIN	BF201	74	50.37	137	16.78	75	8	14	16	103	X	X	X	TSK
CANADA BASIN	BF202	74	50.09	137	11.22	75	8	14	21	190	X	X	X	TSK
CANADA BASIN	BF203	74	49.54	137	7.03	75	8	15	6	190	X	X	X	TSK
CANADA BASIN	BF204	74	49.66	137	6.56	75	8	15	8	*	X	X	X	TSK
CANADA BASIN	BF205	74	49.80	137	5.97	75	8	15	21	190	X	X	X	TSK
CANADA BASIN	BF206	74	49.07	137	5.94	75	8	16	5	190	X	X	X	TSK
CANADA BASIN	BF207	74	49.17	137	5.44	75	8	16	6	*	X	X	X	TSK
CANADA BASIN	BF208	74	48.49	137	1.93	75	8	16	21	190	X	X	X	TSK
CANADA BASIN	BF209	74	45.91	137	1.28	75	8	17	5	200	X	X	X	TSK
CANADA BASIN	BF210	74	45.61	137	1.99	75	8	17	6	100	X	X	X	TSK
CANADA BASIN	BF211	74	42.73	137	9.60	75	8	17	21	190	X	X	X	TSK
CANADA BASIN	BF212	74	41.72	137	11.87	75	8	18	5	190	X	X	X	TSK
CANADA BASIN	BF213	74	40.29	137	12.96	75	8	18	20	190	X	X	X	TSK
CANADA BASIN	BF214	74	39.50	137	16.51	75	8	19	5	200	X	X	X	TSK
CANADA BASIN	BF215	74	39.39	137	25.78	75	8	19	21	200	X	X	X	TSK
CANADA BASIN	BF216	74	40.24	137	33.20	75	8	20	5	200	X	X	X	TSK
CANADA BASIN	BF217	74	40.92	137	51.29	75	8	20	21	200	X	X	X	TSK
CANADA BASIN	BF218	74	41.72	137	58.09	75	8	21	5	190	X	X	X	TSK
CANADA BASIN	BF219	74	41.80	138	8.94	75	8	21	21	190	X	X	X	TSK
CANADA BASIN	BF220	74	41.76	138	10.86	75	8	22	6	200	X	X	X	TSK
CANADA BASIN	BF221	74	39.30	138	13.25	75	8	22	21	200	X	X	X	TSK
CANADA BASIN	BF222	74	37.79	138	10.45	75	8	23	7	190	X	X	X	TSK
CANADA BASIN	BF223	74	35.05	138	11.32	75	8	23	21	200	X	X	X	TSK
CANADA BASIN	BF224	74	35.25	138	14.01	75	8	24	5	190	X	X	X	TSK
CANADA BASIN	BF225	74	35.67	138	12.50	75	8	24	21	190	X	X	X	TSK
CANADA BASIN	BF226	74	35.92	138	4.85	75	8	25	5	180	X	X	X	TSK
CANADA BASIN	BF227	74	34.08	137	52.84	75	8	25	21	190	X	X	X	TSK
CANADA BASIN	BF228	74	33.67	137	52.88	75	8	26	5	190	X	X	X	TSK
CANADA BASIN	BF229	74	36.43	137	51.75	75	8	26	21	190	X	X	X	TSK
CANADA BASIN	BF230	74	36.98	137	44.74	75	8	27	5	180	X	X	X	TSK
CANADA BASIN	BF231	74	32.30	137	27.63	75	8	27	20	140	X	X	X	TSK
CANADA BASIN	BF232	74	28.19	137	15.61	75	8	28	6	180	X	X	X	TSK
CANADA BASIN	BF233	74	24.17	136	56.31	75	8	28	21	190	X	X	X	TSK
CANADA BASIN	BF234	74	24.33	136	49.12	75	8	29	5	150	X	X	X	TSK
CANADA BASIN	BF235	74	22.53	136	42.02	75	8	29	23	190	X	X	X	TSK
CANADA BASIN	BF236	74	20.03	136	37.56	75	8	30	5	190	X	X	X	TSK
CANADA BASIN	BF237	74	15.84	136	36.28	75	8	30	21	200	X	X	X	TSK
CANADA BASIN	BF238	74	14.03	136	33.03	75	8	31	5	200	X	X	X	TSK
CANADA BASIN	BF239	74	10.01	136	32.00	75	8	31	21	200	X	X	X	TSK
CANADA BASIN	BF240	74	7.81	136	23.54	75	9	1	5	200	X	X	X	TSK
CANADA BASIN	BF241	74	3.56	136	13.20	75	9	1	17	100	X	X	X	TSK
CANADA BASIN	BF242	74	2.38	136	11.77	75	9	1	21	200	X	X	X	TSK
CANADA BASIN	BF243	74	0.88	136	9.78	75	9	2	5	190	X	X	X	TSK
CANADA BASIN	BF244	74	0.74	136	9.63	75	9	2	6	100	X	X	X	TSK
CANADA BASIN	BF245	74	0.83	136	12.39	75	9	2	21	200	X	X	X	TSK
CANADA BASIN	BF246	74	0.62	136	13.53	75	9	3	5	200	X	X	X	TSK
CANADA BASIN	BF247	74	0.81	136	13.45	75	9	3	16	100	X	X	X	TSK
CANADA BASIN	BF248	74	1.25	136	12.16	75	9	3	21	200	X	X	X	TSK



CANADA	BAS IN	BF249	74	1.39	136	8.32	75	9	4	5	190	X	X	X	TSK
CANADA	BAS IN	BF250	74	1.36	136	7.62	75	9	4	6	100	X	X	X	TSK
CANADA	BAS IN	BF251	74	1.72	136	4.72	75	9	4	21	200	X	X	X	TSK
CANADA	BAS IN	BF252	74	1.65	136	5.23	75	9	5	5	192	X	X	X	TSK
CANADA	BAS IN	BF253	73	58.00	136	7.29	75	9	5	21	190	X	X	X	TSK
CANADA	BAS IN	BF254	73	56.22	136	11.20	75	9	6	5	200	X	X	X	TSK
CANADA	BAS IN	BF255	73	53.92	136	18.40	75	9	6	21	190	X	X	X	TSK
CANADA	BAS IN	BF256	73	53.08	136	24.09	75	9	7	5	190	X	X	X	TSK
CANADA	BAS IN	BF257	73	53.05	136	24.56	75	9	7	6	190	X	X	X	TSK
CANADA	BAS IN	BF258	73	51.78	136	29.04	75	9	7	21	190	X	X	X	TSK
CANADA	BAS IN	BF259	73	51.02	136	26.47	75	9	8	5	190	X	X	X	TSK
CANADA	BAS IN	BF260	73	50.23	136	12.26	75	9	8	21	190	X	X	X	TSK
CANADA	BAS IN	BF261	73	50.22	136	1.98	75	9	9	5	190	X	X	X	TSK
CANADA	BAS IN	BF262	73	50.26	135	43.42	75	9	9	21	180	X	X	X	TSK
CANADA	BAS IN	BF263	73	49.99	135	32.64	75	9	10	5	190	X	X	X	TSK
CANADA	BAS IN	BF264	73	48.78	135	18.54	75	9	10	21	190	X	X	X	TSK
CANADA	BAS IN	BF265	73	48.67	135	12.14	75	9	11	5	190	X	X	X	TSK
CANADA	BAS IN	BF266	73	50.21	134	59.78	75	9	11	21	190	X	X	X	TSK
CANADA	BAS IN	BF267	73	49.87	134	54.48	75	9	12	5	190	X	X	X	TSK
CANADA	BAS IN	BF268	73	51.26	134	44.88	75	9	12	21	190	X	X	X	TSK
CANADA	BAS IN	BF269	73	51.67	134	36.41	75	9	13	5	190	X	X	X	TSK
CANADA	BAS IN	BF270	73	50.59	134	31.77	75	9	13	21	200	X	X	X	TSK
CANADA	BAS IN	BF271	73	49.99	134	29.73	75	9	14	5	200	X	X	X	TSK
CANADA	BAS IN	BF272	73	48.65	134	21.94	75	9	14	21	200	X	X	X	TSK
CANADA	BAS IN	BF273	73	48.09	134	26.17	75	9	15	5	190	X	X	X	TSK
CANADA	BAS IN	BF274	73	48.49	134	33.33	75	9	15	20	190	X	X	X	TSK
CANADA	BAS IN	BF275	73	49.07	134	37.63	75	9	16	5	200	X	X	X	TSK
CANADA	BAS IN	BF276	73	49.41	134	42.95	75	9	16	21	200	X	X	X	TSK
CANADA	BAS IN	BF277	73	49.85	134	44.87	75	9	17	5	200	X	X	X	TSK
CANADA	BAS IN	BF278	73	51.39	134	45.08	75	9	17	21	190	X	X	X	TSK
CANADA	BAS IN	BF279	73	53.56	134	41.56	75	9	18	5	190	X	X	X	TSK
CANADA	BAS IN	BF280	73	53.52	134	40.01	75	9	18	20	190	X	X	X	TSK
CANADA	BAS IN	BF281	73	51.94	134	46.62	75	9	19	6	200	X	X	X	TSK
CANADA	BAS IN	BF282	73	50.10	135	1.23	75	9	19	21	200	X	X	X	TSK
CANADA	BAS IN	BF283	73	49.48	135	6.01	75	9	20	5	200	X	X	X	TSK
CANADA	BAS IN	BF284	73	46.09	134	59.30	75	9	20	21	190	X	X	X	TSK
CANADA	BAS IN	BF285	73	46.84	134	53.28	75	9	21	6	180	X	X	X	TSK
CANADA	BAS IN	BF286	73	46.39	134	28.47	75	9	21	21	170	X	X	X	TSK
CANADA	BAS IN	BF287	73	44.25	134	16.98	75	9	22	5	190	X	X	X	TSK
CANADA	BAS IN	BF288	73	43.06	134	12.58	75	9	22	21	200	X	X	X	TSK
CANADA	BAS IN	BF289	73	41.58	134	17.43	75	9	23	6	190	X	X	X	TSK
CANADA	BAS IN	BF290	73	40.30	134	26.47	75	9	23	21	200	X	X	X	TSK
CANADA	BAS IN	BF291	73	38.60	134	22.77	75	9	24	5	200	X	X	X	TSK
CANADA	BAS IN	BF292	73	34.80	134	3.57	75	9	25		200	X	X	X	TSK
CANADA	BAS IN	BF293	73	33.26	133	58.68	75	9	25	5	190	X	X	X	TSK
CANADA	BAS IN	BF294	73	29.98	134	0.95	75	9	25	21	200	X	X	X	TSK
CANADA	BAS IN	BF295	73	28.25	134	2.06	75	9	26	5	190	X	X	X	TSK
CANADA	BAS IN	BF296	73	25.95	134	0.43	75	9	26	23	190	X	X	X	TSK
CANADA	BAS IN	BF297	73	25.38	133	58.81	75	9	27	5	192	X	X	X	TSK
CANADA	BAS IN	BF298	73	23.01	133	51.73	75	9	27	23	190	X	X	X	TSK
CANADA	BAS IN	BF299	73	22.57	133	51.13	75	9	28	5	190	X	X	X	TSK
CANADA	BAS IN	BF300	73	21.45	133	50.34	75	9	28	21	200	X	X	X	TSK
CANADA	BAS IN	BF301	73	21.10	133	50.74	75	9	29	5	200	X	X	X	TSK
CANADA	BAS IN	BF302	73	20.70	133	52.20	75	9	29	21	200	X	X	X	TSK
CANADA	BAS IN	BF303	73	21.01	133	53.86	75	9	30	5	200	X	X	X	TSK
CANADA	BAS IN	BF304	73	22.13	134	1.89	75	9	30	21	190	X	X	X	TSK
CANADA	BAS IN	BF305	73	22.78	134	8.02	75	10	1	5	190	X	X	X	TSK
CANADA	BAS IN	BF306	73	23.57	134	22.94	75	10	1	21	190	X	X	X	TSK
CANADA	BAS IN	BF307	73	23.73	134	28.45	75	10	2	5	190	X	X	X	TSK
CANADA	BAS IN	BF308	73	24.56	134	38.54	75	10	2	21	190	X	X	X	TSK
CANADA	BAS IN	BF309	73	25.39	134	43.17	75	10	3	5	190	X	X	X	TSK
CANADA	BAS IN	BF310	73	26.96	134	51.89	75	10	3	21	190	X	X	X	TSK
CANADA	BAS IN	BF311	73	27.96	134	56.53	75	10	4	5	200	X	X	X	TSK
CANADA	BAS IN	BF312	73	30.73	135	5.44	75	10	4	21	190	X	X	X	TSK
CANADA	BAS IN	BF313	73	31.69	135	9.90	75	10	5	5	190	X	X	X	TSK
CANADA	BAS IN	BF314	73	32.31	135	15.93	75	10	5	21	190	X	X	X	TSK
CANADA	BAS IN	BF315	73	32.53	135	18.37	75	10	6	5	200	X	X	X	TSK
CANADA	BAS IN	BF316	73	33.20	135	23.43	75	10	6	21	190	X	X	X	TSK
CANADA	BAS IN	BF317	73	33.27	135	25.77	75	10	7	5	190	X	X	X	TSK
CANADA	BAS IN	BF318	73	29.83	135	25.37	75	10	7	21	160	X	X	X	TSK
CANADA	BAS IN	BF319	73	28.28	135	24.69	75	10	8	6	190	X	X	X	TSK
CANADA	BAS IN	BF320	73	27.07	135	23.25	75	10	8	21	190	X	X	X	TSK
CANADA	BAS IN	BF321	73	26.61	135	22.10	75	10	9	5	190	X	X	X	TSK
CANADA	BAS IN	BF322	73	25.65	135	21.35	75	10	9	21	190	X	X	X	TSK
CANADA	BAS IN	BF323	73	25.11	135	20.86	75	10	10	6	180	X	X	X	TSK
CANADA	BAS IN	BF324	73	24.47	135	22.83	75	10	11	1	190	X	X	X	TSK
CANADA	BAS IN	BF325	73	24.11	135	23.64	75	10	11	6	190	X	X	X	TSK
CANADA	BAS IN	BF326	73	22.56	135	23.65	75	10	11	21	190	X	X	X	TSK
CANADA	BAS IN	BF327	73	22.29	135	18.31	75	10	12	5	190	X	X	X	TSK
CANADA	BAS IN	BF328	73	22.53	135	8.82	75	10	12	21	190	X	X	X	TSK
CANADA	BAS IN	BF329	73	22.67	135	8.06	75	10	13	5	190	X	X	X	TSK
CANADA	BAS IN	BF330	73	20.96	135	17.29	75	10	13	21	190	X	X	X	TSK
CANADA	BAS IN	BF331	73	19.69	135	20.79	75	10	14	6	190	X	X	X	TSK



CANADA	BASIN	BF332	73	18.93	135	27.10	75	10	14	21	200	X	X	X	TSK
CANADA	BASIN	BF333	73	19.40	135	32.59	75	10	15	5	190	X	X	X	TSK
CANADA	BASIN	BF334	73	21.62	135	45.54	75	10	15	21	190	X	X	X	TSK
CANADA	BASIN	BF335	73	22.64	135	52.41	75	10	16	5	200	X	X	X	TSK
CANADA	BASIN	BF336	73	24.47	136	1.19	75	10	16	20	190	X	X	X	TSK
CANADA	BASIN	BF337	73	24.78	136	1.99	75	10	17	5	200	X	X	X	TSK
CANADA	BASIN	BF338	73	22.55	136	0.85	75	10	17	22	200	X	X	X	TSK
CANADA	BASIN	BF339	73	21.36	136	1.01	75	10	18	7	200	X	X	X	TSK
CANADA	BASIN	BF340	73	20.30	136	5.68	75	10	18	21	190	X	X	X	TSK
CANADA	BASIN	BF341	73	20.13	136	11.70	75	10	19	6	190	X	X	X	TSK
CANADA	BASIN	BF342	73	20.22	136	23.86	75	10	19	23	190	X	X	X	TSK
CANADA	BASIN	BF343	73	20.67	136	26.22	75	10	20	5	190	X	X	X	TSK
CANADA	BASIN	BF344	73	21.32	136	30.72	75	10	20	21	192	X	X	X	TSK
CANADA	BASIN	BF345	73	21.44	136	32.31	75	10	21	5	200	X	X	X	TSK
CANADA	BASIN	BF346	73	22.00	136	34.44	75	10	21	21	200	X	X	X	TSK
CANADA	BASIN	BF347	73	22.38	136	36.19	75	10	22	5	200	X	X	X	TSK
CANADA	BASIN	BF348	73	21.22	136	35.67	75	10	22	21	190	X	X	X	TSK
CANADA	BASIN	BF349	73	20.26	136	34.29	75	10	23	5	200	X	X	X	TSK
CANADA	BASIN	BF350	73	22.75	136	41.38	75	10	23	23	190	X	X	X	TSK
CANADA	BASIN	BF351	73	25.25	136	46.05	75	10	24	5	140	X	X	X	TSK
CANADA	BASIN	BF352	73	30.73	136	54.70	75	10	24	21	180	X	X	X	TSK
CANADA	BASIN	BF353	73	29.20	136	46.15	75	10	25	21	190	X	X	X	TSK
CANADA	BASIN	BF354	73	28.25	136	41.69	75	10	26	5	200	X	X	X	TSK
CANADA	BASIN	BF355	73	25.02	136	27.62	75	10	27		190	X	X	X	TSK
CANADA	BASIN	BF356	73	24.05	136	23.79	75	10	27	5	200	X	X	X	TSK
CANADA	BASIN	BF357	73	22.17	136	16.05	75	10	27	21	200	X	X	X	TSK
CANADA	BASIN	BF358	73	20.70	136	12.53	75	10	28	5	190	X	X	X	TSK
CANADA	BASIN	BF359	73	17.01	136	14.27	75	10	28	21	190	X	X	X	TSK
CANADA	BASIN	BF360	73	13.81	136	18.88	75	10	29	5	200	X	X	X	TSK
CANADA	BASIN	BF361	73	7.80	136	26.97	75	10	29	21	190	X	X	X	TSK
CANADA	BASIN	BF362	73	4.70	136	24.46	75	10	30	5	190	X	X	X	TSK
CANADA	BASIN	BF363	72	59.87	136	23.22	75	10	30	20	190	X	X	X	TSK
CANADA	BASIN	BF364	72	58.50	136	23.96	75	10	31	6	190	X	X	X	TSK
CANADA	BASIN	BF365	72	57.56	136	22.57	75	10	31	20	190	X	X	X	TSK
CANADA	BASIN	BF366	72	57.11	136	20.21	75	11	1	5	190	X	X	X	TSK
CANADA	BASIN	BF367	72	56.97	136	18.50	75	11	1	21	200	X	X	X	TSK
CANADA	BASIN	BF368	72	56.99	136	18.05	75	11	2	5	200	X	X	X	TSK
CANADA	BASIN	BF369	72	57.03	136	18.27	75	11	2	21	200	X	X	X	TSK
CANADA	BASIN	BF370	72	57.11	136	18.33	75	11	3	5	200	X	X	X	TSK
CANADA	BASIN	BF371	72	57.32	136	19.16	75	11	3	21	200	X	X	X	TSK
CANADA	BASIN	BF372	72	57.45	136	19.41	75	11	4	5	200	X	X	X	TSK
CANADA	BASIN	BF373	72	57.81	136	20.34	75	11	4	21	200	X	X	X	TSK
CANADA	BASIN	BF374	72	58.26	136	21.07	75	11	5	5	200	X	X	X	TSK
CANADA	BASIN	BF375	72	58.73	136	20.96	75	11	5	21	200	X	X	X	TSK
CANADA	BASIN	BF376	72	58.81	136	19.74	75	11	6	5	200	X	X	X	TSK
CANADA	BASIN	BF377	72	59.69	136	15.74	75	11	6	21	190	X	X	X	TSK
CANADA	BASIN	BF378	73	0.29	136	12.76	75	11	7	5	190	X	X	X	TSK
CANADA	BASIN	BF379	73	1.16	136	10.28	75	11	7	21	200	X	X	X	TSK
CANADA	BASIN	BF380	73	1.62	136	10.78	75	11	8	5	200	X	X	X	TSK
CANADA	BASIN	BF381	73	3.58	136	12.40	75	11	8	21	190	X	X	X	TSK
CANADA	BASIN	BF382	73	3.88	136	10.21	75	11	9	5	200	X	X	X	TSK
CANADA	BASIN	BF383	73	2.58	136	6.99	75	11	9	21	200	X	X	X	TSK
CANADA	BASIN	BF384	73	2.03	136	6.10	75	11	10	5	190	X	X	X	TSK
CANADA	BASIN	BF385	73	0.92	136	5.08	75	11	10	21	200	X	X	X	TSK
CANADA	BASIN	BF386	73	0.34	136	4.35	75	11	11	5	200	X	X	X	TSK
CANADA	BASIN	BF387	73	0.08	136	3.89	75	11	11	21	200	X	X	X	TSK
CANADA	BASIN	BF388	73	0.04	136	3.91	75	11	12	5	200	X	X	X	TSK
CANADA	BASIN	BF389	72	59.66	136	8.97	75	11	12	20	190	X	X	X	TSK
CANADA	BASIN	BF390	72	59.08	136	16.02	75	11	13	7	190	X	X	X	TSK
CANADA	BASIN	BF391	72	57.00	136	27.00	75	11	13	21	192	X	X	X	TSK
CANADA	BASIN	BF392	72	54.82	136	33.64	75	11	14	7	190	X	X	X	TSK
CANADA	BASIN	BF393	72	52.25	136	33.43	75	11	14	21	190	X	X	X	TSK
CANADA	BASIN	BF394	72	50.52	136	30.89	75	11	15	7	190	X	X	X	TSK
CANADA	BASIN	BF395	72	49.31	136	26.51	75	11	15	21	190	X	X	X	TSK
CANADA	BASIN	BF396	72	48.35	136	22.20	75	11	16	7	190	X	X	X	TSK
CANADA	BASIN	BF397	72	47.66	136	17.67	75	11	16	21	190	X	X	X	TSK
CANADA	BASIN	BF398	72	47.60	136	16.47	75	11	17	5	190	X	X	X	TSK
CANADA	BASIN	BF399	72	47.60	136	16.30	75	11	17	21	191	X	X	X	TSK
CANADA	BASIN	BF400	72	47.58	136	16.34	75	11	18	5	190	X	X	X	TSK
CANADA	BASIN	BF401	72	47.58	136	16.57	75	11	18	21	190	X	X	X	TSK
CANADA	BASIN	BF402	72	47.58	136	16.38	75	11	19	5	190	X	X	X	TSK
CANADA	BASIN	BF403	72	47.57	136	16.37	75	11	19	21	190	X	X	X	TSK
CANADA	BASIN	BF404	72	47.67	136	17.12	75	11	20	5	200	X	X	X	TSK
CANADA	BASIN	BF405	72	49.27	136	20.14	75	11	20	21	200	X	X	X	TSK
CANADA	BASIN	BF406	72	50.97	136	21.74	75	11	21	7	190	X	X	X	TSK
CANADA	BASIN	BF407	72	54.64	136	24.50	75	11	21	21	190	X	X	X	TSK
CANADA	BASIN	BF408	72	57.43	136	27.95	75	11	22	7	200	X	X	X	TSK
CANADA	BASIN	BF409	73	2.62	136	29.33	75	11	22	21	190	X	X	X	TSK
CANADA	BASIN	BF410	73	4.88	136	28.71	75	11	23	7	190	X	X	X	TSK
CANADA	BASIN	BF411	73	6.03	136	33.18	75	11	23	21	190	X	X	X	TSK
CANADA	BASIN	BF412	73	6.24	136	34.25	75	11	24	5	200	X	X	X	TSK
CANADA	BASIN	BF413	73	5.70	136	32.91	75	11	24	21	200	X	X	X	TSK
CANADA	BASIN	BF414	73	5.31	136	34.04	75	11	25	5	190	X	X	X	TSK

CANADA BASIN	BF415	73	5.39	136	38.34	75	11	25	21	196	X	X	X	TSK
CANADA BASIN	BF416	73	5.66	136	38.83	75	11	26	5	190	X	X	X	TSK
CANADA BASIN	BF417	73	5.92	136	39.59	75	11	26	21	200	X	X	X	TSK
CANADA BASIN	BF418	73	5.90	136	39.53	75	11	27	5	200	X	X	X	TSK
CANADA BASIN	BF419	73	6.27	136	40.25	75	11	27	21	200	X	X	X	TSK
CANADA BASIN	BF420	73	6.56	136	41.92	75	11	28	5	200	X	X	X	TSK
CANADA BASIN	BF421	73	8.07	136	49.31	75	11	28	21	190	X	X	X	TSK
CANADA BASIN	BF422	73	8.67	136	54.13	75	11	29	7	190	X	X	X	TSK
CANADA BASIN	BF423	73	8.56	136	57.69	75	11	29	21	200	X	X	X	TSK
CANADA BASIN	BF424	73	8.15	136	58.01	75	11	30	5	190	X	X	X	TSK
CANADA BASIN	BF425	73	7.09	136	55.89	75	11	30	21	190	X	X	X	TSK
CANADA BASIN	BF426	73	6.12	136	51.46	75	12	1	5	190	X	X	X	TSK
CANADA BASIN	BF427	72	57.10	136	47.09	75	12	6	6	200	X	X	X	TSK
CANADA BASIN	BF428	72	57.10	136	47.11	75	12	6	21	200	X	X	X	TSK
CANADA BASIN	BF429	72	57.05	136	47.22	75	12	7	5	200	X	X	X	TSK
CANADA BASIN	BF430	72	57.18	136	46.88	75	12	7	21	200	X	X	X	TSK
CANADA BASIN	BF431	72	57.27	136	46.64	75	12	8	5	200	X	X	X	TSK
CANADA BASIN	BF432	72	58.04	136	47.79	75	12	8	21	200	X	X	X	TSK
CANADA BASIN	BF433	72	58.21	136	48.74	75	12	9	5	200	X	X	X	TSK
CANADA BASIN	BF434	72	58.09	136	48.63	75	12	9	21	200	X	X	X	TSK
CANADA BASIN	BF435	72	57.87	136	46.82	75	12	10	5	200	X	X	X	TSK
CANADA BASIN	BF436	72	57.26	136	41.50	75	12	10	21	200	X	X	X	TSK
CANADA BASIN	BF437	72	56.99	136	41.09	75	12	11	5	190	X	X	X	TSK
CANADA BASIN	BF438	72	56.61	136	40.75	75	12	11	21	200	X	X	X	TSK
CANADA BASIN	BF439	72	56.63	136	40.53	75	12	12	5	200	X	X	X	TSK
CANADA BASIN	BF440	72	56.60	136	40.60	75	12	12	21	200	X	X	X	TSK
CANADA BASIN	BF441	72	56.62	136	40.65	75	12	13	5	200	X	X	X	TSK
CANADA BASIN	BF442	72	56.75	136	41.78	75	12	13	21	190	X	X	X	TSK
CANADA BASIN	BF443	72	57.28	136	44.45	75	12	14	5	200	X	X	X	TSK
CANADA BASIN	BF444	72	58.20	136	50.35	75	12	14	20	190	X	X	X	TSK
CANADA BASIN	BF445	72	58.58	136	51.38	75	12	15	5	200	X	X	X	TSK
CANADA BASIN	BF446	72	59.42	136	49.68	75	12	15	21	200	X	X	X	TSK
CANADA BASIN	BF447	72	59.77	136	48.86	75	12	16	5	200	X	X	X	TSK
CANADA BASIN	BF448	73	1.07	136	52.78	75	12	16	21	190	X	X	X	TSK
CANADA BASIN	BF449	73	2.84	137	1.62	75	12	17	7	190	X	X	X	TSK
CANADA BASIN	BF450	73	3.84	137	14.09	75	12	17	20	190	X	X	X	TSK
CANADA BASIN	BF451	73	1.59	137	14.90	75	12	18	7	190	X	X	X	TSK
CANADA BASIN	BF452	72	57.33	137	8.39	75	12	19	1	190	X	X	X	TSK
CANADA BASIN	BF453	72	56.62	137	6.52	75	12	19	5	200	X	X	X	TSK
CANADA BASIN	BF454	72	55.60	137	1.21	75	12	19	21	200	X	X	X	TSK
CANADA BASIN	BF455	72	55.55	137	0.50	75	12	20	7	200	X	X	X	TSK
CANADA BASIN	BF456	72	55.51	136	59.47	75	12	20	21	200	X	X	X	TSK
CANADA BASIN	BF457	72	55.38	136	58.56	75	12	21	5	200	X	X	X	TSK
CANADA BASIN	BF458	72	55.33	136	58.38	75	12	21	21	200	X	X	X	TSK
CANADA BASIN	BF459	72	55.36	136	58.28	75	12	22	5	200	X	X	X	TSK
CANADA BASIN	BF460	72	55.93	137	2.20	75	12	22	21	200	X	X	X	TSK
CANADA BASIN	BF461	72	56.30	137	4.36	75	12	23	5	200	X	X	X	TSK
CANADA BASIN	BF462	72	56.43	137	5.76	75	12	23	21	200	X	X	X	TSK
CANADA BASIN	BF463	72	56.28	137	5.37	75	12	24	5	200	X	X	X	TSK
CANADA BASIN	BF464	72	55.31	137	3.54	75	12	24	21	200	X	X	X	TSK
CANADA BASIN	BF465	72	54.90	137	2.32	75	12	25	5	200	X	X	X	TSK
CANADA BASIN	BF466	72	54.81	137	2.15	75	12	26		200	X	X	X	TSK
CANADA BASIN	BF467	72	54.80	137	2.07	75	12	26	5	200	X	X	X	TSK
CANADA BASIN	BF468	72	54.79	137	2.17	75	12	26	21	200	X	X	X	TSK
CANADA BASIN	BF469	72	54.87	137	3.31	75	12	27	5	200	X	X	X	TSK
CANADA BASIN	BF470	72	55.51	137	9.97	75	12	27	21	190	X	X	X	TSK
CANADA BASIN	BF471	72	56.31	137	16.53	75	12	28	7	190	X	X	X	TSK
CANADA BASIN	BF472	72	57.49	137	22.71	75	12	28	21	190	X	X	X	TSK
CANADA BASIN	BF473	72	57.76	137	23.09	75	12	29	5	200	X	X	X	TSK
CANADA BASIN	BF474	72	57.05	137	17.50	75	12	29	21	200	X	X	X	TSK
CANADA BASIN	BF475	72	56.15	137	12.47	75	12	30	6	200	X	X	X	TSK
CANADA BASIN	BF476	72	55.31	137	8.80	75	12	30	21	200	X	X	X	TSK
CANADA BASIN	BF477	72	55.30	137	8.30	75	12	31	5	200	X	X	X	TSK
CANADA BASIN	BF478	72	56.13	137	10.94	75	12	31	21	190	X	X	X	TSK
CANADA BASIN	BF479	72	57.39	137	15.58	76	1	1	7	190	X	X	X	TSK
CANADA BASIN	BF480	72	59.59	137	20.78	76	1	1	21	200	X	X	X	TSK
CANADA BASIN	BF481	72	59.65	137	20.52	76	1	2	6	200	X	X	X	TSK
CANADA BASIN	BF482	72	59.41	137	23.85	76	1	2	21	200	X	X	X	TSK
CANADA BASIN	BF483	73	0.50	137	30.03	76	1	3	7	190	X	X	X	TSK
CANADA BASIN	BF484	73	3.72	137	36.77	76	1	3	21	200	X	X	X	TSK
CANADA BASIN	BF485	73	6.26	137	39.82	76	1	4	7	190	X	X	X	TSK
CANADA BASIN	BF486	73	9.20	137	44.55	76	1	4	21	200	X	X	X	TSK
CANADA BASIN	BF487	73	10.75	137	49.39	76	1	5	7	190	X	X	X	TSK
CANADA BASIN	BF488	73	11.23	137	51.12	76	1	5	21	190	X	X	X	TSK
CANADA BASIN	BF489	73	10.87	137	51.76	76	1	6	5	190	X	X	X	TSK
CANADA BASIN	BF490	73	10.21	137	49.13	76	1	6	21	200	X	X	X	TSK
CANADA BASIN	BF491	73	10.52	137	47.52	76	1	7	5	190	X	X	X	TSK
CANADA BASIN	BF492	73	11.09	137	49.21	76	1	7	21	190	X	X	X	TSK
CANADA BASIN	BF493	73	11.13	137	49.98	76	1	8	5	190	X	X	X	TSK
CANADA BASIN	BF494	73	10.75	137	51.42	76	1	8	21	200	X	X	X	TSK
CANADA BASIN	BF495	73	10.06	137	51.72	76	1	9	5	200	X	X	X	TSK
CANADA BASIN	BF496	73	7.50	137	49.59	76	1	9	23	190	X	X	X	TSK
CANADA BASIN	BF497	73	6.49	137	46.63	76	1	10	7	190	X	X	X	TSK

CANADA	BAS IN	BF498	73	5.27	137	37.64	76	1	10	21	190	X	X	X	TSK
CANADA	BAS IN	BF499	73	5.40	137	28.20	76	1	11	7	200	X	X	X	TSK
CANADA	BAS IN	BF500	73	1.10	137	19.84	76	1	11	21	190	X	X	X	TSK
CANADA	BAS IN	BF501	72	58.48	137	13.18	76	1	12	7	190	X	X	X	TSK
CANADA	BAS IN	BF502	72	58.50	137	11.33	76	1	12	21	200	X	X	X	TSK
CANADA	BAS IN	BF503	72	58.50	137	11.25	76	1	13	5	200	X	X	X	TSK
CANADA	BAS IN	BF504	72	58.49	137	11.32	76	1	13	21	200	X	X	X	TSK
CANADA	BAS IN	BF505	72	58.52	137	11.25	76	1	14	5	200	X	X	X	TSK
CANADA	BAS IN	BF506	72	58.96	137	12.08	76	1	14	21	200	X	X	X	TSK
CANADA	BAS IN	BF507	72	59.92	137	13.40	76	1	15	5	200	X	X	X	TSK
CANADA	BAS IN	BF508	73	0.46	137	14.24	76	1	15	23	200	X	X	X	TSK
CANADA	BAS IN	BF509	72	59.95	137	12.83	76	1	16	5	200	X	X	X	TSK
CANADA	BAS IN	BF510	72	58.94	137	8.76	76	1	16	21	200	X	X	X	TSK
CANADA	BAS IN	BF511	72	58.99	137	8.93	76	1	17	5	200	X	X	X	TSK
CANADA	BAS IN	BF512	72	58.68	137	11.52	76	1	17	21	200	X	X	X	TSK
CANADA	BAS IN	BF513	72	58.28	137	11.83	76	1	18	5	200	X	X	X	TSK
CANADA	BAS IN	BF514	72	57.92	137	11.59	76	1	18	21	200	X	X	X	TSK
CANADA	BAS IN	BF515	72	57.75	137	11.40	76	1	19	5	200	X	X	X	TSK
CANADA	BAS IN	BF516	72	57.18	137	8.09	76	1	19	21	190	X	X	X	TSK
CANADA	BAS IN	BF517	72	56.82	137	4.89	76	1	20	6	200	X	X	X	TSK
CANADA	BAS IN	BF518	72	56.77	137	4.01	76	1	20	21	200	X	X	X	TSK
CANADA	BAS IN	BF519	72	56.74	137	3.92	76	1	21	5	200	X	X	X	TSK
CANADA	BAS IN	BF520	72	56.31	137	7.16	76	1	21	21	190	X	X	X	TSK
CANADA	BAS IN	BF521	72	55.66	137	12.93	76	1	22	7	192	X	X	X	TSK
CANADA	BAS IN	BF522	72	55.35	137	13.68	76	1	22	21	190	X	X	X	TSK
CANADA	BAS IN	BF523	72	54.89	137	14.51	76	1	23	5	190	X	X	X	TSK
CANADA	BAS IN	BF524	72	54.13	137	14.15	76	1	23	21	190	X	X	X	TSK
CANADA	BAS IN	BF525	72	53.93	137	13.13	76	1	24	5	190	X	X	X	TSK
CANADA	BAS IN	BF526	72	53.38	137	10.26	76	1	24	21	190	X	X	X	TSK
CANADA	BAS IN	BF527	72	53.24	137	10.09	76	1	25	5	190	X	X	X	TSK
CANADA	BAS IN	BF528	72	53.21	137	10.04	76	1	25	21	190	X	X	X	TSK
CANADA	BAS IN	BF529	72	53.15	137	10.17	76	1	26	5	190	X	X	X	TSK
CANADA	BAS IN	BF530	72	53.16	137	10.08	76	1	26	21	191	X	X	X	TSK
CANADA	BAS IN	BF531	72	53.16	137	10.19	76	1	27	5	190	X	X	X	TSK
CANADA	BAS IN	BF532	72	53.15	137	10.40	76	1	27	21	190	X	X	X	TSK
CANADA	BAS IN	BF533	72	53.15	137	10.11	76	1	28	5	190	X	X	X	TSK
CANADA	BAS IN	BF534	72	53.16	137	10.11	76	1	28	21	190	X	X	X	TSK
CANADA	BAS IN	BF535	72	53.17	137	10.22	76	1	29	5	190	X	X	X	TSK
CANADA	BAS IN	BF536	72	53.18	137	10.37	76	1	29	21	190	X	X	X	TSK
CANADA	BAS IN	BF537	72	53.39	137	12.22	76	1	30	7	190	X	X	X	TSK
CANADA	BAS IN	BF538	72	55.55	137	27.73	76	1	30	23	190	X	X	X	TSK
CANADA	BAS IN	BF539	72	56.35	137	35.67	76	1	31	7	190	X	X	X	TSK
CANADA	BAS IN	BF540	72	57.75	137	48.41	76	1	32	12	190	X	X	X	TSK
CANADA	BAS IN	BF541	72	57.50	137	47.07	76	2	1	5	200	X	X	X	TSK
CANADA	BAS IN	BF542	72	58.16	137	48.93	76	2	1	21	200	X	X	X	TSK
CANADA	BAS IN	BF543	72	58.13	137	47.95	76	2	2	5	190	X	X	X	TSK
CANADA	BAS IN	BF544	72	57.24	137	43.15	76	2	2	21	190	X	X	X	TSK
CANADA	BAS IN	BF545	72	56.96	137	39.76	76	2	3	5	190	X	X	X	TSK
CANADA	BAS IN	BF546	72	56.82	137	36.47	76	2	3	21	200	X	X	X	TSK
CANADA	BAS IN	BF547	72	56.66	137	37.48	76	2	4	5	200	X	X	X	TSK
CANADA	BAS IN	BF548	72	56.00	137	35.61	76	2	4	21	200	X	X	X	TSK
CANADA	BAS IN	BF549	72	55.94	137	36.11	76	2	5	5	200	X	X	X	TSK
CANADA	BAS IN	BF550	72	55.66	137	37.17	76	2	5	21	200	X	X	X	TSK
CANADA	BAS IN	BF551	72	55.01	137	37.69	76	2	6	5	190	X	X	X	TSK
CANADA	BAS IN	BF552	72	52.55	137	29.58	76	2	6	23	190	X	X	X	TSK
CANADA	BAS IN	BF553	72	51.81	137	23.79	76	2	7	7	190	X	X	X	TSK
CANADA	BAS IN	BF554	72	50.09	137	13.18	76	2	7	21	190	X	X	X	TSK
CANADA	BAS IN	BF555	72	49.31	137	10.28	76	2	8	7	190	X	X	X	TSK
CANADA	BAS IN	BF556	72	48.14	137	4.77	76	2	8	21	192	X	X	X	TSK
CANADA	BAS IN	BF557	72	47.56	137	0.88	76	2	9	6	190	X	X	X	TSK
CANADA	BAS IN	BF558	72	47.18	136	57.92	76	2	9	21	200	X	X	X	TSK
CANADA	BAS IN	BF559	72	47.19	136	58.00	76	2	10	5	200	X	X	X	TSK
CANADA	BAS IN	BF560	72	47.18	136	58.03	76	2	10	21	200	X	X	X	TSK
CANADA	BAS IN	BF561	72	47.23	136	57.92	76	2	11	6	200	X	X	X	TSK
CANADA	BAS IN	BF562	72	47.18	136	57.89	76	2	11	21	200	X	X	X	TSK
CANADA	BAS IN	BF563	72	47.19	136	57.92	76	2	12	6	200	X	X	X	TSK
CANADA	BAS IN	BF564	72	47.17	136	57.72	76	2	12	21	200	X	X	X	TSK
CANADA	BAS IN	BF565	72	47.16	136	57.89	76	2	13	5	200	X	X	X	TSK
CANADA	BAS IN	BF566	72	47.16	136	57.81	76	2	13	21	200	X	X	X	TSK
CANADA	BAS IN	BF567	72	47.16	136	58.29	76	2	14	5	200	X	X	X	TSK
CANADA	BAS IN	BF568	72	47.18	136	57.99	76	2	14	21	200	X	X	X	TSK
CANADA	BAS IN	BF569	72	47.17	136	57.97	76	2	15	5	200	X	X	X	TSK
CANADA	BAS IN	BF570	72	47.16	136	57.80	76	2	15	21	200	X	X	X	TSK
CANADA	BAS IN	BF571	72	47.15	136	57.90	76	2	16	5	200	X	X	X	TSK
CANADA	BAS IN	BF572	72	47.18	136	57.87	76	2	16	21	200	X	X	X	TSK
CANADA	BAS IN	BF573	72	47.16	136	57.86	76	2	17	5	200	X	X	X	TSK
CANADA	BAS IN	BF574	72	47.14	136	57.76	76	2	17	21	200	X	X	X	TSK
CANADA	BAS IN	BF575	72	47.15	136	57.96	76	2	18	5	200	X	X	X	TSK
CANADA	BAS IN	BF576	72	47.16	136	57.85	76	2	18	21	200	X	X	X	TSK
CANADA	BAS IN	BF577	72	47.16	136	57.89	76	2	19	5	200	X	X	X	TSK
CANADA	BAS IN	BF578	72	47.16	136	57.85	76	2	19	21	200	X	X	X	TSK
CANADA	BAS IN	BF579	72	47.16	136	57.90	76	2	20	5	200	X	X	X	TSK
CANADA	BAS IN	BF580	72	47.16	136	57.64	76	2	20	21	200	X	X	X	TSK

CANADA BASIN	BF581	72	47.15	136	57.96	76	2	21	5	200	X	X	X	TSK
CANADA BASIN	BF582	72	47.16	136	57.79	76	2	21	21	200	X	X	X	TSK
CANADA BASIN	BF583	72	47.17	136	57.92	76	2	22	5	200	X	X	X	TSK
CANADA BASIN	BF584	72	47.16	136	57.85	76	2	22	21	200	X	X	X	TSK
CANADA BASIN	BF585	72	47.16	136	57.95	76	2	23	5	200	X	X	X	TSK
CANADA BASIN	BF586	72	47.15	136	57.89	76	2	23	21	200	X	X	X	TSK
CANADA BASIN	BF587	72	47.15	136	57.93	76	2	24	5	200	X	X	X	TSK
CANADA BASIN	BF588	72	47.16	136	57.90	76	2	24	21	200	X	X	X	TSK
CANADA BASIN	BF589	72	47.15	136	58.03	76	2	25	5	200	X	X	X	TSK
CANADA BASIN	BF590	72	47.14	136	57.70	76	2	25	21	200	X	X	X	TSK
CANADA BASIN	BF591	72	47.16	136	58.05	76	2	26	5	200	X	X	X	TSK
CANADA BASIN	BF592	72	47.15	136	57.90	76	2	26	21	200	X	X	X	TSK
CANADA BASIN	BF593	72	47.39	136	58.44	76	2	27	5	190	X	X	X	TSK
CANADA BASIN	BF594	72	47.95	136	56.24	76	2	27	21	200	X	X	X	TSK
CANADA BASIN	BF595	72	47.81	136	56.14	76	2	28	5	200	X	X	X	TSK
CANADA BASIN	BF596	72	47.81	136	55.94	76	2	28	21	200	X	X	X	TSK
CANADA BASIN	BF597	72	47.81	136	56.25	76	2	29	5	200	X	X	X	TSK
CANADA BASIN	BF598	72	48.83	136	59.28	76	2	29	21	200	X	X	X	TSK
CANADA BASIN	BF599	72	49.74	137	1.79	76	3	1	5	190	X	X	X	TSK
CANADA BASIN	BF600	72	50.14	137	2.39	76	3	1	21	200	X	X	X	TSK
CANADA BASIN	BF601	72	50.17	137	2.77	76	3	2	5	200	X	X	X	TSK
CANADA BASIN	BF602	72	49.47	137	0.59	76	3	2	21	190	X	X	X	TSK
CANADA BASIN	BF603	72	49.04	137	0.41	76	3	3	5	200	X	X	X	TSK
CANADA BASIN	BF604	72	48.93	137	1.45	76	3	3	21	200	X	X	X	TSK
CANADA BASIN	BF605	72	49.70	137	7.52	76	3	4	6	190	X	X	X	TSK
CANADA BASIN	BF606	72	49.75	137	16.32	76	3	4	21	190	X	X	X	TSK
CANADA BASIN	BF607	72	49.04	137	18.83	76	3	5	5	200	X	X	X	TSK
CANADA BASIN	BF608	72	47.93	137	15.67	76	3	5	21	190	X	X	X	TSK
CANADA BASIN	BF609	72	47.55	137	13.66	76	3	6	5	200	X	X	X	TSK
CANADA BASIN	BF610	72	47.48	137	12.51	76	3	6	21	200	X	X	X	TSK
CANADA BASIN	BF611	72	47.47	137	13.00	76	3	7	5	200	X	X	X	TSK
CANADA BASIN	BF612	72	47.53	137	14.71	76	3	7	21	190	X	X	X	TSK
CANADA BASIN	BF613	72	47.61	137	18.13	76	3	8	5	200	X	X	X	TSK
CANADA BASIN	BF614	72	48.00	137	22.51	76	3	8	21	190	X	X	X	TSK
CANADA BASIN	BF615	72	48.15	137	23.60	76	3	9	5	200	X	X	X	TSK
CANADA BASIN	BF616	72	48.10	137	23.29	76	3	9	21	200	X	X	X	TSK
CANADA BASIN	BF617	72	48.11	137	23.25	76	3	10	5	200	X	X	X	TSK
CANADA BASIN	BF618	72	48.09	137	23.36	76	3	10	21	200	X	X	X	TSK
CANADA BASIN	BF619	72	48.10	137	23.31	76	3	11	5	200	X	X	X	TSK
CANADA BASIN	BF620	72	48.10	137	23.22	76	3	11	21	200	X	X	X	TSK
CANADA BASIN	BF621	72	48.10	137	23.35	76	3	12	5	190	X	X	X	TSK
CANADA BASIN	BF622	72	48.10	137	23.23	76	3	12	21	200	X	X	X	TSK
CANADA BASIN	BF623	72	48.09	137	23.13	76	3	13	5	190	X	X	X	TSK
CANADA BASIN	BF624	72	48.07	137	23.17	76	3	13	21	200	X	X	X	TSK
CANADA BASIN	BF625	72	47.99	137	22.51	76	3	14	5	190	X	X	X	TSK
CANADA BASIN	BF626	72	47.07	137	19.33	76	3	14	20	190	X	X	X	TSK
CANADA BASIN	BF627	72	46.28	137	16.61	76	3	15	5	190	X	X	X	TSK
CANADA BASIN	BF628	72	45.19	137	13.67	76	3	15	21	200	X	X	X	TSK
CANADA BASIN	BF629	72	45.06	137	13.03	76	3	16	5	200	X	X	X	TSK
CANADA BASIN	BF630	72	45.06	137	13.27	76	3	16	21	200	X	X	X	TSK
CANADA BASIN	BF631	72	44.26	137	11.90	76	3	17	7	190	X	X	X	TSK
CANADA BASIN	BF632	72	43.39	137	9.79	76	3	17	21	200	X	X	X	TSK
CANADA BASIN	BF633	72	43.39	137	9.98	76	3	18	5	200	X	X	X	TSK
CANADA BASIN	BF634	72	43.39	137	9.89	76	3	18	21	200	X	X	X	TSK
CANADA BASIN	BF635	72	43.39	137	9.88	76	3	19	5	200	X	X	X	TSK
CANADA BASIN	BF636	72	43.39	137	9.90	76	3	19	21	200	X	X	X	TSK
CANADA BASIN	BF637	72	43.38	137	10.11	76	3	20	5	200	X	X	X	TSK
CANADA BASIN	BF638	72	43.38	137	9.89	76	3	20	21	200	X	X	X	TSK
CANADA BASIN	BF639	72	43.39	137	9.77	76	3	21	5	200	X	X	X	TSK
CANADA BASIN	BF640	72	43.38	137	9.90	76	3	21	20	200	X	X	X	TSK
CANADA BASIN	BF641	72	43.05	137	9.37	76	3	22	5	200	X	X	X	TSK
CANADA BASIN	BF642	72	43.04	137	9.43	76	3	22	21	200	X	X	X	TSK
CANADA BASIN	BF643	72	43.03	137	9.48	76	3	23	5	200	X	X	X	TSK
CANADA BASIN	BF644	72	43.02	137	9.45	76	3	23	21	200	X	X	X	TSK
CANADA BASIN	BF645	72	42.99	137	9.33	76	3	24	5	200	X	X	X	TSK
CANADA BASIN	BF646	72	43.01	137	9.38	76	3	24	21	200	X	X	X	TSK
CANADA BASIN	BF647	72	43.03	137	9.48	76	3	25	5	200	X	X	X	TSK
CANADA BASIN	BF648	72	43.03	137	9.26	76	3	25	21	200	X	X	X	TSK
CANADA BASIN	BF649	72	43.03	137	9.32	76	3	26	5	200	X	X	X	TSK
CANADA BASIN	BF650	72	43.03	137	9.26	76	3	26	21	200	X	X	X	TSK
CANADA BASIN	BF651	72	43.05	137	9.30	76	3	27	5	200	X	X	X	TSK
CANADA BASIN	BF652	72	43.01	137	9.27	76	3	27	21	200	X	X	X	TSK
CANADA BASIN	BF653	72	43.05	137	9.31	76	3	28	5	200	X	X	X	TSK
CANADA BASIN	BF654	72	43.03	137	9.34	76	3	28	21	200	X	X	X	TSK
CANADA BASIN	BF655	72	43.05	137	9.37	76	3	29	5	200	X	X	X	TSK
CANADA BASIN	BF656	72	43.05	137	9.42	76	3	29	21	200	X	X	X	TSK
CANADA BASIN	BF657	72	43.03	137	9.23	76	3	30	5	200	X	X	X	TSK
CANADA BASIN	BF658	72	43.03	137	9.23	76	3	30	21	200	X	X	X	TSK
CANADA BASIN	BF659	72	43.04	137	9.31	76	3	31	5	200	X	X	X	TSK
CANADA BASIN	BF660	72	43.06	137	9.33	76	3	31	21	200	X	X	X	TSK
CANADA BASIN	BF661	72	43.03	137	9.15	76	4	1	5	200	X	X	X	TSK
CANADA BASIN	BF662	72	43.03	137	9.27	76	4	1	21	200	X	X	X	TSK
CANADA BASIN	BF663	72	43.05	137	9.25	76	4	2	5	200	X	X	X	TSK

CANADA	BASIN	BF664	72	43.03	137	9.22	76	4	2	21	200	X	X	X	TSK
CANADA	BASIN	BF665	72	43.04	137	9.21	76	4	3	5	200	X	X	X	TSK
CANADA	BASIN	BF666	72	43.05	137	9.32	76	4	3	21	200	X	X	X	TSK
CANADA	BASIN	BF667	72	43.02	137	9.30	76	4	4	5	200	X	X	X	TSK
CANADA	BASIN	BF668	72	43.04	137	9.57	76	4	4	21	200	X	X	X	TSK
CANADA	BASIN	BF669	72	43.04	137	9.31	76	4	5	5	200	X	X	X	TSK
CANADA	BASIN	BF670	72	43.05	137	9.39	76	4	5	21	200	X	X	X	TSK
CANADA	BASIN	BF671	72	43.05	137	9.28	76	4	6	5	200	X	X	X	TSK
CANADA	BASIN	BF672	72	43.06	137	9.35	76	4	6	21	200	X	X	X	TSK
CANADA	BASIN	BF673	72	43.09	137	9.20	76	4	7	5	200	X	X	X	TSK
CANADA	BASIN	BF674	72	43.05	137	9.31	76	4	7	21	200	X	X	X	TSK
CANADA	BASIN	BF675	72	43.05	137	9.40	76	4	8	5	200	X	X	X	TSK
CANADA	BASIN	BF676	72	43.05	137	9.38	76	4	8	21	200	X	X	X	TSK
CANADA	BASIN	BF677	72	44.10	137	10.86	76	4	9	7	190	X	X	X	TSK
CANADA	BASIN	BF678	72	47.54	137	15.70	76	4	9	21	190	X	X	X	TSK
CANADA	BASIN	BF679	72	47.76	137	17.08	76	4	10	5	200	X	X	X	TSK
CANADA	BASIN	BF680	72	46.12	137	19.06	76	4	10	21	190	X	X	X	TSK
CANADA	BASIN	BF681	72	45.40	137	18.09	76	4	11	5	200	X	X	X	TSK
CANADA	BASIN	BF682	72	46.29	137	23.86	76	4	12		190	X	X	X	TSK
CANADA	BASIN	BF683	72	46.86	137	28.27	76	4	12	5	190	X	X	X	TSK
CANADA	BASIN	BF684	72	46.86	137	31.54	76	4	12	21	200	X	X	X	TSK
CANADA	BASIN	BF685	72	46.47	137	30.28	76	4	13	5	200	X	X	X	TSK
CANADA	BASIN	BF686	72	46.77	137	31.17	76	4	13	21	200	X	X	X	TSK
CANADA	BASIN	BF687	72	46.99	137	31.70	76	4	14	5	200	X	X	X	TSK
CANADA	BASIN	BF688	72	46.88	137	28.85	76	4	14	21	190	X	X	X	TSK
CANADA	BASIN	BF689	72	46.27	137	22.20	76	4	15	7	190	X	X	X	TSK
CANADA	BASIN	BF690	72	46.65	137	17.23	76	4	15	20	190	X	X	X	TSK
CANADA	BASIN	BF691	72	47.00	137	14.03	76	4	16	5	200	X	X	X	TSK
CANADA	BASIN	BF692	72	47.27	137	14.52	76	4	16	21	200	X	X	X	TSK
CANADA	BASIN	BF693	72	47.40	137	15.89	76	4	17	5	200	X	X	X	TSK
CANADA	BASIN	BF694	72	47.12	137	16.53	76	4	17	21	200	X	X	X	TSK
CANADA	BASIN	BF695	72	47.12	137	17.19	76	4	18	5	200	X	X	X	TSK
CANADA	BASIN	BF696	72	47.33	137	20.18	76	4	18	21	190	X	X	X	TSK
CANADA	BASIN	BF697	72	47.20	137	23.88	76	4	19	5	190	X	X	X	TSK
CANADA	BASIN	BF698	72	46.49	137	26.26	76	4	19	21	200	X	X	X	TSK
CANADA	BASIN	BF699	72	46.18	137	26.18	76	4	20	5	200	X	X	X	TSK
CANADA	BASIN	BF700	72	45.92	137	25.36	76	4	20	21	200	X	X	X	TSK
CANADA	BASIN	SB 1	76	15.19	146	27.45	75	5	4	6	200	X	X	X	TSK
CANADA	BASIN	SB 2	76	15.15	146	34.18	75	5	4	18	200	X	X	X	TSK
CANADA	BASIN	SB 3	76	15.39	146	47.83	75	5	5	7	200	X	X	X	TSK
CANADA	BASIN	SB 4	76	15.55	146	59.21	75	5	5	17	200	X	X	X	TSK
CANADA	BASIN	SB 5	76	16.51	147	14.78	75	5	6	5	200	X	X	X	TSK
CANADA	BASIN	SB 6	76	17.12	147	26.60	75	5	6	17	200	X	X	X	TSK
CANADA	BASIN	SB 7	76	17.92	147	33.75	75	5	7	6	200	X	X	X	TSK
CANADA	BASIN	SB 8	76	18.13	147	35.52	75	5	7	17	200	X	X	X	TSK
CANADA	BASIN	SB 9	76	18.10	147	37.99	75	5	8	17	200	X	X	X	TSK
CANADA	BASIN	SB 10	76	18.81	147	39.04	75	5	9	5	200	X	X	X	TSK
CANADA	BASIN	SB 11	76	19.50	147	36.49	75	5	10	5	200	X	X	X	TSK
CANADA	BASIN	SB 12	76	18.53	147	33.91	75	5	10	18	200	X	X	X	TSK
CANADA	BASIN	SB 13	76	17.38	147	31.18	75	5	11	5	200	X	X	X	TSK
CANADA	BASIN	SB 14	76	16.67	147	30.37	75	5	11	18	198	X	X	X	TSK
CANADA	BASIN	SB 15	76	15.61	147	34.07	75	5	12	5	196	X	X	X	TSK
CANADA	BASIN	SB 16	76	14.20	147	36.60	75	5	12	18	196	X	X	X	TSK
CANADA	BASIN	SB 17	76	12.35	147	41.52	75	5	13	5	198	X	X	X	TSK
CANADA	BASIN	SB 18	76	10.69	147	43.61	75	5	13	18	196	X	X	X	TSK
CANADA	BASIN	SB 19	76	9.23	147	40.13	75	5	14	5	200	X	X	X	TSK
CANADA	BASIN	SB 20	76	7.65	147	34.11	75	5	14	18	200	X	X	X	TSK
CANADA	BASIN	SB 21	76	6.17	147	26.18	75	5	15	5	186	X	X	X	TSK
CANADA	BASIN	SB 22	76	4.96	147	23.33	75	5	16	18	198	X	X	X	TSK
CANADA	BASIN	SB 23	76	7.41	147	27.66	75	5	17	6	190	X	X	X	TSK
CANADA	BASIN	SB 24	76	9.68	147	51.69	75	5	18	5	198	X	X	X	TSK
CANADA	BASIN	SB 25	76	9.55	148	6.19	75	5	18	21	194	X	X	X	TSK
CANADA	BASIN	SB 26	76	9.11	148	17.51	75	5	19	5	198	X	X	X	TSK
CANADA	BASIN	SB 27	76	7.78	148	22.74	75	5	19	20	198	X	X	X	TSK
CANADA	BASIN	SB 28	76	7.02	148	23.11	75	5	20	5	200	X	X	X	TSK
CANADA	BASIN	SB 29	76	6.32	148	21.53	75	5	20	20	200	X	X	X	TSK
CANADA	BASIN	SB 30	76	6.25	148	19.69	75	5	21	5	200	X	X	X	TSK
CANADA	BASIN	SB 31	76	6.88	148	17.91	75	5	21	21	200	X	X	X	TSK
CANADA	BASIN	SB 32	76	7.88	148	15.43	75	5	22	5	200	X	X	X	TSK
CANADA	BASIN	SB 33	76	8.89	148	11.15	75	5	22	20	200	X	X	X	TSK
CANADA	BASIN	SB 34	76	9.23	148	7.20	75	5	23	5	200	X	X	X	TSK
CANADA	BASIN	SB 35	76	9.27	148	2.65	75	5	23	20	200	X	X	X	TSK
CANADA	BASIN	SB 36	76	8.87	147	59.87	75	5	24	5	200	X	X	X	TSK
CANADA	BASIN	SB 37	76	8.72	147	58.69	75	5	24	20	200	X	X	X	TSK
CANADA	BASIN	SB 38	76	9.20	147	58.03	75	5	25	5	200	X	X	X	TSK
CANADA	BASIN	SB 39	76	10.53	148	1.86	75	5	25	20	198	X	X	X	TSK
CANADA	BASIN	SB 40	76	10.94	148	7.37	75	5	26	5	198	X	X	X	TSK
CANADA	BASIN	SB 41	76	10.07	148	18.57	75	5	26	20	198	X	X	X	TSK
CANADA	BASIN	SB 42	76	9.93	148	26.71	75	5	27	5	198	X	X	X	TSK
CANADA	BASIN	SB 43	76	11.06	148	41.16	75	5	27	20	196	X	X	X	TSK
CANADA	BASIN	SB 44	76	12.19	148	51.39	75	5	28	5	194	X	X	X	TSK
CANADA	BASIN	SB 45	76	14.06	149	5.30	75	5	28	20	194	X	X	X	TSK
CANADA	BASIN	SB 46	76	15.40	149	12.95	75	5	29	5	200	X	X	X	TSK

CANADA BASIN	SB 47	76	17.34	149	23.51	75	5	29	20	197	X	X	X	TSK
CANADA BASIN	SB 48	76	18.71	149	31.32	75	5	30	5	173	X	X	X	TSK
CANADA BASIN	SB 49	76	20.95	149	39.58	75	5	30	20	150	X	X	X	TSK
CANADA BASIN	SB 50	76	21.99	149	43.31	75	5	31	5	162	X	X	X	TSK
CANADA BASIN	SB 51	76	22.73	149	49.05	75	5	31	20	159	X	X	X	TSK
CANADA BASIN	SB 52	76	23.17	149	53.50	75	6	1	5	183	X	X	X	TSK
CANADA BASIN	SB 53	76	23.66	150	0.79	75	6	1	22	180	X	X	X	TSK
CANADA BASIN	SB 54	76	23.85	150	4.79	75	6	2	5	193	X	X	X	TSK
CANADA BASIN	SB 55	76	24.29	150	10.95	75	6	2	20	198	X	X	X	TSK
CANADA BASIN	SB 56	76	24.58	150	14.52	75	6	3	5	200	X	X	X	TSK
CANADA BASIN	SB 57	76	25.57	150	22.44	75	6	3	20	199	X	X	X	TSK
CANADA BASIN	SB 58	76	26.12	150	29.02	75	6	4	5	198	X	X	X	TSK
CANADA BASIN	SB 59	76	26.37	150	41.40	75	6	4	20	199	X	X	X	TSK
CANADA BASIN	SB 60	76	26.20	150	49.03	75	6	5	6	199	X	X	X	TSK
CANADA BASIN	SB 61	76	25.83	150	56.37	75	6	5	20	198	X	X	X	TSK
CANADA BASIN	SB 62	76	25.56	151	0.76	75	6	6	5	200	X	X	X	TSK
CANADA BASIN	SB 63	76	24.82	151	6.63	75	6	6	20	199	X	X	X	TSK
CANADA BASIN	SB 64	76	24.30	151	11.02	75	6	7	5	199	X	X	X	TSK
CANADA BASIN	SB 65	76	23.45	151	14.87	75	6	7	20	200	X	X	X	TSK
CANADA BASIN	SB 66	76	22.91	151	17.06	75	6	8	5	200	X	X	X	TSK
CANADA BASIN	SB 67	76	21.24	151	19.30	75	6	8	21	198	X	X	X	TSK
CANADA BASIN	SB 68	76	20.40	151	18.68	75	6	9	5	200	X	X	X	TSK
CANADA BASIN	SB 69	76	19.40	151	18.01	75	6	9	21	200	X	X	X	TSK
CANADA BASIN	SB 70	76	19.15	151	17.91	75	6	10	5	200	X	X	X	TSK
CANADA BASIN	SB 71	76	18.55	151	14.01	75	6	10	22	200	X	X	X	TSK
CANADA BASIN	SB 72	76	18.36	151	11.44	75	6	11	5	200	X	X	X	TSK
CANADA BASIN	SB 73	76	18.42	151	11.36	75	6	11	20	200	X	X	X	TSK
CANADA BASIN	SB 74	76	18.62	151	13.66	75	6	12	5	200	X	X	X	TSK
CANADA BASIN	SB 75	76	19.12	151	15.10	75	6	12	21	200	X	X	X	TSK
CANADA BASIN	SB 76	76	18.86	151	18.84	75	6	13	5	200	X	X	X	TSK
CANADA BASIN	SB 77	76	18.77	151	23.65	75	6	13	20	200	X	X	X	TSK
CANADA BASIN	SB 78	76	19.14	151	25.17	75	6	14	5	200	X	X	X	TSK
CANADA BASIN	SB 79	76	19.84	151	29.78	75	6	14	20	198	X	X	X	TSK
CANADA BASIN	SB 80	76	20.57	151	31.26	75	6	15	5	198	X	X	X	TSK
CANADA BASIN	SB 81	76	20.92	151	35.17	75	6	15	20	200	X	X	X	TSK
CANADA BASIN	SB 82	76	20.84	151	36.94	75	6	16	5	199	X	X	X	TSK
CANADA BASIN	SB 83	76	21.43	151	40.20	75	6	16	21	199	X	X	X	TSK
CANADA BASIN	SB 84	76	22.89	151	47.02	75	6	17	5	198	X	X	X	TSK
CANADA BASIN	SB 85	76	24.64	152	2.04	75	6	17	20	198	X	X	X	TSK
CANADA BASIN	SB 86	76	24.02	152	8.16	75	6	18	5	199	X	X	X	TSK
CANADA BASIN	SB 87	76	21.61	152	14.88	75	6	18	20	199	X	X	X	TSK
CANADA BASIN	SB 88	76	20.48	152	16.65	75	6	19	6	198	X	X	X	TSK
CANADA BASIN	SB 89	76	20.71	152	21.40	75	6	19	20	199	X	X	X	TSK
CANADA BASIN	SB 90	76	21.48	152	25.57	75	6	20	6	200	X	X	X	TSK
CANADA BASIN	SB 91	76	22.57	152	29.91	75	6	20	21	199	X	X	X	TSK
CANADA BASIN	SB 92	76	23.80	152	31.50	75	6	21	5	199	X	X	X	TSK
CANADA BASIN	SB 93	76	26.42	152	36.69	75	6	21	20	197	X	X	X	TSK
CANADA BASIN	SB 94	76	28.59	152	40.52	75	6	22	5	199	X	X	X	TSK
CANADA BASIN	SB 95	76	29.89	152	37.25	75	6	22	21	199	X	X	X	TSK
CANADA BASIN	SB 96	76	30.93	152	38.09	75	6	23	6	199	X	X	X	TSK
CANADA BASIN	SB 97	76	31.77	152	48.84	75	6	23	20	199	X	X	X	TSK
CANADA BASIN	SB 98	76	31.85	152	53.39	75	6	24	6	200	X	X	X	TSK
CANADA BASIN	SB 99	76	31.57	152	53.60	75	6	24	21	199	X	X	X	TSK
CANADA BASIN	SB100	76	31.41	152	53.02	75	6	25	6	199	X	X	X	TSK
CANADA BASIN	SB101	76	31.32	152	45.76	75	6	25	20	198	X	X	X	TSK
CANADA BASIN	SB102	76	31.62	152	38.41	75	6	26	5	198	X	X	X	TSK
CANADA BASIN	SB103	76	32.14	152	37.45	75	6	26	20	200	X	X	X	TSK
CANADA BASIN	SB104	76	33.43	152	41.90	75	6	27	5	198	X	X	X	TSK
CANADA BASIN	SB105	76	34.79	152	34.93	75	6	27	21	199	X	X	X	TSK
CANADA BASIN	SB106	76	35.66	152	33.93	75	6	28	6	198	X	X	X	TSK
CANADA BASIN	SB107	76	35.60	152	23.69	75	6	28	21	197	X	X	X	TSK
CANADA BASIN	SB108	76	34.31	152	15.65	75	6	29	5	200	X	X	X	TSK
CANADA BASIN	SB109	76	36.41	152	7.05	75	6	29	20	196	X	X	X	TSK
CANADA BASIN	SB110	76	37.59	152	1.71	75	6	30	5	197	X	X	X	TSK
CANADA BASIN	SB111	76	40.46	152	3.92	75	6	30	20	198	X	X	X	TSK
CANADA BASIN	SB112	76	40.38	151	57.53	75	7	1	5	196	X	X	X	TSK
CANADA BASIN	SB113	76	39.62	151	49.93	75	7	1	20	199	X	X	X	TSK
CANADA BASIN	SB114	76	39.66	151	48.17	75	7	2	5	198	X	X	X	TSK
CANADA BASIN	SB115	76	39.93	151	45.35	75	7	2	21	191	X	X	X	TSK
CANADA BASIN	SB116	76	40.57	151	35.98	75	7	3	5	196	X	X	X	TSK
CANADA BASIN	SB117	76	41.72	151	14.33	75	7	3	21	192	X	X	X	TSK
CANADA BASIN	SB118	76	41.53	151	6.35	75	7	4	5	196	X	X	X	TSK
CANADA BASIN	SB119	76	37.56	150	46.44	75	7	5	5	197	X	X	X	TSK
CANADA BASIN	SB120	76	33.20	150	33.02	75	7	5	20	183	X	X	X	TSK
CANADA BASIN	SB121	76	31.22	150	19.45	75	7	6	5	180	X	X	X	TSK
CANADA BASIN	SB122	76	32.48	150	10.22	75	7	7	2	176	X	X	X	TSK
CANADA BASIN	SB123	76	30.44	149	36.89	75	7	8	5	198	X	X	X	TSK
CANADA BASIN	SB124	76	30.42	149	36.04	75	7	8	21	200	X	X	X	TSK
CANADA BASIN	SB125	76	31.10	149	31.12	75	7	9	5	199	X	X	X	TSK
CANADA BASIN	SB126	76	34.32	149	22.74	75	7	9	20	199	X	X	X	TSK
CANADA BASIN	SB127	76	32.91	149	4.32	75	7	10	5	180	X	X	X	TSK
CANADA BASIN	SB128	76	29.44	148	45.37	75	7	11	5	198	X	X	X	TSK
CANADA BASIN	SB129	76	29.26	148	43.41	75	7	11	20	199	X	X	X	TSK

CANADA	BASIN	SB130	76	30.31	148	41.83	75	7	12	6	198	X	X	X	TSK
CANADA	BASIN	SB131	76	32.96	148	47.83	75	7	13	5	199	X	X	X	TSK
CANADA	BASIN	SB132	76	34.37	148	50.38	75	7	14	5	200	X	X	X	TSK
CANADA	BASIN	SB133	76	33.61	148	52.51	75	7	15	5	199	X	X	X	TSK
CANADA	BASIN	SB134	76	32.77	148	56.82	75	7	15	22	200	X	X	X	TSK
CANADA	BASIN	SB135	76	31.90	148	55.75	75	7	16	5	198	X	X	X	TSK
CANADA	BASIN	SB136	76	28.07	148	52.12	75	7	16	22	200	X	X	X	TSK
CANADA	BASIN	SB137	76	27.08	148	49.97	75	7	17	5	198	X	X	X	TSK
CANADA	BASIN	SB138	76	25.93	148	44.52	75	7	17	22	200	X	X	X	TSK
CANADA	BASIN	SB139	76	25.36	148	42.56	75	7	18	5	198	X	X	X	TSK
CANADA	BASIN	SB140	76	22.44	148	42.65	75	7	18	22	198	X	X	X	TSK
CANADA	BASIN	SB141	76	20.80	148	43.95	75	7	19	6	198	X	X	X	TSK
CANADA	BASIN	SB142	76	18.51	148	47.06	75	7	19	23	200	X	X	X	TSK
CANADA	BASIN	SB143	76	17.98	148	47.35	75	7	20	5	200	X	X	X	TSK
CANADA	BASIN	SB144	76	13.69	148	45.53	75	7	20	22	200	X	X	X	TSK
CANADA	BASIN	SB145	75	39.51	149	0.31	75	7	30	2	*	X	X	X	TSK
CANADA	BASIN	SB146	75	38.86	149	2.99	75	7	30	5	195	X	X	X	TSK
CANADA	BASIN	SB147	75	32.43	148	42.49	75	7	31	6	189	X	X	X	TSK
CANADA	BASIN	SB148	75	29.37	148	28.13	75	7	31	23	200	X	X	X	TSK
CANADA	BASIN	SB149	75	28.17	148	23.10	75	8	1	5	200	X	X	X	TSK
CANADA	BASIN	SB150	75	24.56	148	12.48	75	8	2	6	*	X	X	X	TSK
CANADA	BASIN	SB151	75	22.64	148	4.71	75	8	3	5	200	X	X	X	TSK
CANADA	BASIN	SB152	75	22.03	147	54.61	75	8	3	22	197	X	X	X	TSK
CANADA	BASIN	SB153	75	22.26	147	49.88	75	8	4	5	197	X	X	X	TSK
CANADA	BASIN	SB154	75	25.03	147	32.33	75	8	4	22	193	X	X	X	TSK
CANADA	BASIN	SB155	75	26.19	147	19.61	75	8	5	5	197	X	X	X	TSK
CANADA	BASIN	SB156	75	26.18	147	18.59	75	8	5	6	*	X	X	X	TSK
CANADA	BASIN	SB157	75	23.99	147	11.26	75	8	5	22	200	X	X	X	TSK
CANADA	BASIN	SB158	75	23.26	147	7.54	75	8	6	6	200	X	X	X	TSK
CANADA	BASIN	SB159	75	21.50	147	2.38	75	8	6	22	197	X	X	X	TSK
CANADA	BASIN	SB160	75	21.24	147	0.49	75	8	7	5	200	X	X	X	TSK
CANADA	BASIN	SB161	75	20.56	146	58.12	75	8	7	22	200	X	X	X	TSK
CANADA	BASIN	SB162	75	21.07	146	54.21	75	8	8	5	197	X	X	X	TSK
CANADA	BASIN	SB163	75	21.99	146	36.34	75	8	8	22	169	X	X	X	TSK
CANADA	BASIN	SB164	75	21.97	146	34.47	75	8	8	23	*	X	X	X	TSK
CANADA	BASIN	SB165	75	19.14	146	23.16	75	8	9	5	193	X	X	X	TSK
CANADA	BASIN	SB166	75	18.82	146	23.04	75	8	9	6	*	X	X	X	TSK
CANADA	BASIN	SB167	75	18.55	146	22.82	75	8	9	7	*	X	X	X	TSK
CANADA	BASIN	SB168	75	15.82	146	2.82	75	8	9	22	198	X	X	X	TSK
CANADA	BASIN	SB169	75	14.42	145	59.78	75	8	10	2	100	X	X	X	TSK
CANADA	BASIN	SB170	75	11.81	145	56.16	75	8	10	5	157	X	X	X	TSK
CANADA	BASIN	SB171	75	9.39	145	54.84	75	8	10	14	100	X	X	X	TSK
CANADA	BASIN	SB172	75	6.33	145	51.27	75	8	10	22	197	X	X	X	TSK
CANADA	BASIN	SB173	75	6.04	145	50.03	75	8	11	2	100	X	X	X	TSK
CANADA	BASIN	SB174	75	4.92	145	46.35	75	8	11	5	172	X	X	X	TSK
CANADA	BASIN	SB175	75	2.76	145	42.93	75	8	11	14	100	X	X	X	TSK
CANADA	BASIN	SB176	75	0.45	145	33.83	75	8	11	22	196	X	X	X	TSK
CANADA	BASIN	SB177	75	0.56	145	30.94	75	8	12	2	100	X	X	X	TSK
CANADA	BASIN	SB178	75	0.25	145	25.22	75	8	12	5	186	X	X	X	TSK
CANADA	BASIN	SB179	75	0.03	145	23.74	75	8	12	6	100	X	X	X	TSK
CANADA	BASIN	SB180	74	58.84	145	7.96	75	8	12	22	200	X	X	X	TSK
CANADA	BASIN	SB181	74	58.84	145	7.63	75	8	12	23	100	X	X	X	TSK
CANADA	BASIN	SB182	75	0.34	145	4.30	75	8	13	5	193	X	X	X	TSK
CANADA	BASIN	SB183	75	4.01	144	57.47	75	8	13	14	100	X	X	X	TSK
CANADA	BASIN	SB184	75	3.26	144	45.18	75	8	13	23	196	X	X	X	TSK
CANADA	BASIN	SB185	75	1.79	144	31.54	75	8	14	5	180	X	X	X	TSK
CANADA	BASIN	SB186	75	1.36	144	30.93	75	8	14	6	100	X	X	X	TSK
CANADA	BASIN	SB187	75	0.09	144	14.43	75	8	15	5	200	X	X	X	TSK
CANADA	BASIN	SB188	75	0.06	144	14.39	75	8	15	6	*	X	X	X	TSK
CANADA	BASIN	SB189	75	2.88	144	13.75	75	8	15	22	196	X	X	X	TSK
CANADA	BASIN	SB190	75	3.15	144	13.55	75	8	15	23	*	X	X	X	TSK
CANADA	BASIN	SB191	75	2.70	144	5.90	75	8	16	22	192	X	X	X	TSK
CANADA	BASIN	SB192	75	2.37	144	6.39	75	8	16	23	100	X	X	X	TSK
CANADA	BASIN	SB193	75	1.17	144	8.64	75	8	17	5	196	X	X	X	TSK
CANADA	BASIN	SB194	75	1.04	144	8.53	75	8	17	6	*	X	X	X	TSK
CANADA	BASIN	SB195	75	0.10	144	9.69	75	8	17	22	200	X	X	X	TSK
CANADA	BASIN	SB196	75	0.02	144	9.86	75	8	18	5	200	X	X	X	TSK
CANADA	BASIN	SB197	75	0.08	144	18.41	75	8	19	5	197	X	X	X	TSK
CANADA	BASIN	SB198	75	1.07	144	26.50	75	8	19	22	196	X	X	X	TSK
CANADA	BASIN	SB199	75	1.99	144	34.17	75	8	20	5	195	X	X	X	TSK
CANADA	BASIN	SB200	75	3.23	144	49.44	75	8	20	22	200	X	X	X	TSK
CANADA	BASIN	SB201	75	3.43	144	54.08	75	8	21	5	200	X	X	X	TSK
CANADA	BASIN	SB202	75	3.20	144	55.76	75	8	21	22	200	X	X	X	TSK
CANADA	BASIN	SB203	75	2.79	144	54.95	75	8	22	5	200	X	X	X	TSK
CANADA	BASIN	SB204	75	0.96	144	47.98	75	8	22	22	197	X	X	X	TSK
CANADA	BASIN	SB205	74	59.40	144	44.95	75	8	23	5	197	X	X	X	TSK
CANADA	BASIN	SB206	74	57.27	144	41.66	75	8	23	22	187	X	X	X	TSK
CANADA	BASIN	SB207	74	57.23	144	41.59	75	8	23	23	100	X	X	X	TSK
CANADA	BASIN	SB208	74	56.89	144	40.16	75	8	24	5	187	X	X	X	TSK
CANADA	BASIN	SB209	74	57.01	144	37.04	75	8	24	14	100	X	X	X	TSK
CANADA	BASIN	SB210	74	57.72	144	27.62	75	8	24	22	196	X	X	X	TSK
CANADA	BASIN	SB211	74	57.32	144	18.60	75	8	25	6	197	X	X	X	TSK
CANADA	BASIN	SB212	74	57.67	144	7.24	75	8	25	22	198	X	X	X	TSK



CANADA BAS IN	SB213	74	59.03	144	4.67	75	8	26	5	196	X	X	X	TSK
CANADA BAS IN	SB214	75	2.54	144	1.78	75	8	26	22	197	X	X	X	TSK
CANADA BAS IN	SB215	75	1.83	143	56.46	75	8	27	5	189	X	X	X	TSK
CANADA BAS IN	SB216	74	55.52	143	38.46	75	8	27	22	170	X	X	X	TSK
CANADA BAS IN	SB217	74	53.64	143	29.29	75	8	28	5	188	X	X	X	TSK
CANADA BAS IN	SB218	74	50.24	143	9.01	75	8	28	22	197	X	X	X	TSK
CANADA BAS IN	SB219	74	50.97	143	8.36	75	8	29	5	197	X	X	X	TSK
CANADA BAS IN	SB220	74	47.36	143	1.81	75	8	29	22	176	X	X	X	TSK
CANADA BAS IN	SB221	74	44.48	143	3.81	75	8	30	5	189	X	X	X	TSK
CANADA BAS IN	SB222	74	37.90	142	55.48	75	8	31	22	161	X	X	X	TSK
CANADA BAS IN	SB223	74	36.66	142	48.34	75	8	32	2	100	X	X	X	TSK
CANADA BAS IN	SB224	74	34.86	142	47.81	75	9	1	5	194	X	X	X	TSK
CANADA BAS IN	SB225	74	34.59	142	48.14	75	9	1	6	100	X	X	X	TSK
CANADA BAS IN	SB226	74	30.94	142	36.50	75	9	1	22	196	X	X	X	TSK
CANADA BAS IN	SB227	74	30.04	142	33.95	75	9	2	2	96	X	X	X	TSK
CANADA BAS IN	SB228	74	28.71	142	34.69	75	9	2	5	188	X	X	X	TSK
CANADA BAS IN	SB229	74	28.49	142	35.74	75	9	2	6	100	X	X	X	TSK
CANADA BAS IN	SB230	74	27.57	142	37.93	75	9	2	22	200	X	X	X	TSK
CANADA BAS IN	SB231	74	27.69	142	37.49	75	9	3		*	X	X	X	TSK
CANADA BAS IN	SB232	74	27.13	142	36.01	75	9	3	5	196	X	X	X	TSK
CANADA BAS IN	SB233	74	27.05	142	36.79	75	9	3	6	*	X	X	X	TSK
CANADA BAS IN	SB234	74	28.60	142	41.58	75	9	3	23	193	X	X	X	TSK
CANADA BAS IN	SB235	74	29.00	142	38.64	75	9	4	5	196	X	X	X	TSK
CANADA BAS IN	SB236	74	28.91	142	40.58	75	9	4	14	100	X	X	X	TSK
CANADA BAS IN	SB237	74	27.53	142	41.77	75	9	4	22	196	X	X	X	TSK
CANADA BAS IN	SB238	74	27.38	142	41.04	75	9	5	2	99	X	X	X	TSK
CANADA BAS IN	SB239	74	26.54	142	39.66	75	9	5	5	188	X	X	X	TSK
CANADA BAS IN	SB240	74	23.29	142	47.74	75	9	5	22	194	X	X	X	TSK
CANADA BAS IN	SB241	74	23.72	142	51.67	75	9	6	5	196	X	X	X	TSK
CANADA BAS IN	SB242	74	23.62	142	51.90	75	9	6	6	*	X	X	X	TSK
CANADA BAS IN	SB243	74	22.08	143	3.43	75	9	6	22	184	X	X	X	TSK
CANADA BAS IN	SB244	74	22.65	143	7.97	75	9	7	5	200	X	X	X	TSK
CANADA BAS IN	SB245	74	20.54	143	4.30	75	9	7	22	197	X	X	X	TSK
CANADA BAS IN	SB246	74	20.25	142	58.63	75	9	8	5	195	X	X	X	TSK
CANADA BAS IN	SB247	74	20.65	142	36.29	75	9	8	22	194	X	X	X	TSK
CANADA BAS IN	SB248	74	21.00	142	28.39	75	9	9	5	186	X	X	X	TSK
CANADA BAS IN	SB249	74	21.04	142	27.02	75	9	9	6	*	X	X	X	TSK
CANADA BAS IN	SB250	74	20.21	142	4.95	75	9	9	22	196	X	X	X	TSK
CANADA BAS IN	SB251	74	19.53	141	58.43	75	9	10	5	197	X	X	X	TSK
CANADA BAS IN	SB252	74	18.34	141	43.63	75	9	10	22	196	X	X	X	TSK
CANADA BAS IN	SB253	74	19.28	141	37.71	75	9	11	5	196	X	X	X	TSK
CANADA BAS IN	SB254	74	19.66	141	19.88	75	9	11	22	194	X	X	X	TSK
CANADA BAS IN	SB255	74	19.20	141	14.52	75	9	12	5	200	X	X	X	TSK
CANADA BAS IN	SB256	74	21.02	140	52.68	75	9	12	22	183	X	X	X	TSK
CANADA BAS IN	SB257	74	19.95	140	45.52	75	9	13	5	199	X	X	X	TSK
CANADA BAS IN	SB258	74	18.63	140	42.57	75	9	13	22	200	X	X	X	TSK
CANADA BAS IN	SB259	74	18.81	140	40.02	75	9	14	6	198	X	X	X	TSK
CANADA BAS IN	SB260	74	16.77	140	38.34	75	9	14	22	197	X	X	X	TSK
CANADA BAS IN	SB261	74	16.08	140	41.70	75	9	15	5	192	X	X	X	TSK
CANADA BAS IN	SB262	74	16.63	140	52.55	75	9	15	22	196	X	X	X	TSK
CANADA BAS IN	SB263	74	17.56	140	54.90	75	9	16	5	197	X	X	X	TSK
CANADA BAS IN	SB264	74	19.10	140	57.87	75	9	16	22	197	X	X	X	TSK
CANADA BAS IN	SB265	74	19.77	140	58.52	75	9	17	6	196	X	X	X	TSK
CANADA BAS IN	SB266	74	24.27	141	0.75	75	9	17	22	168	X	X	X	TSK
CANADA BAS IN	SB267	74	24.57	140	52.93	75	9	18	5	197	X	X	X	TSK
CANADA BAS IN	SB268	74	22.55	140	50.74	75	9	18	22	197	X	X	X	TSK
CANADA BAS IN	SB269	74	21.34	140	53.79	75	9	19	5	196	X	X	X	TSK
CANADA BAS IN	SB270	74	19.42	141	4.66	75	9	19	22	197	X	X	X	TSK
CANADA BAS IN	SB271	74	18.77	141	7.55	75	9	20	5	198	X	X	X	TSK
CANADA BAS IN	SB272	74	17.91	140	58.25	75	9	20	22	195	X	X	X	TSK
CANADA BAS IN	SB273	74	20.07	140	47.90	75	9	21	5	162	X	X	X	TSK
CANADA BAS IN	SB274	74	18.34	140	17.43	75	9	21	22	165	X	X	X	TSK
CANADA BAS IN	SB275	74	17.15	140	22.55	75	9	22	5	194	X	X	X	TSK
CANADA BAS IN	SB276	74	17.03	140	26.51	75	9	22	22	195	X	X	X	TSK
CANADA BAS IN	SB277	74	15.77	140	38.37	75	9	23	5	193	X	X	X	TSK
CANADA BAS IN	SB278	74	13.63	140	39.65	75	9	23	23	194	X	X	X	TSK
CANADA BAS IN	SB279	74	11.50	140	39.85	75	9	24	5	200	X	X	X	TSK
CANADA BAS IN	SB280	74	7.91	140	19.39	75	9	24	23	193	X	X	X	TSK
CANADA BAS IN	SB281	74	5.75	140	14.06	75	9	25	5	198	X	X	X	TSK
CANADA BAS IN	SB282	74	2.22	140	18.06	75	9	25	22	190	X	X	X	TSK
CANADA BAS IN	SB283	73	59.35	140	19.44	75	9	27	5	200	X	X	X	TSK
CANADA BAS IN	SB284	73	59.03	140	17.06	75	9	27	22	200	X	X	X	TSK
CANADA BAS IN	SB285	73	58.76	140	16.79	75	9	28	5	200	X	X	X	TSK
CANADA BAS IN	SB286	73	58.18	140	16.19	75	9	28	23	198	X	X	X	TSK
CANADA BAS IN	SB287	73	58.05	140	16.24	75	9	29	5	200	X	X	X	TSK
CANADA BAS IN	SB288	73	58.27	140	17.58	75	9	29	22	200	X	X	X	TSK
CANADA BAS IN	SB289	73	58.36	140	19.38	75	9	30	5	200	X	X	X	TSK
CANADA BAS IN	SB290	73	58.85	140	32.64	75	9	30	22	200	X	X	X	TSK
CANADA BAS IN	SB291	73	59.12	140	39.32	75	10	1	6	198	X	X	X	TSK
CANADA BAS IN	SB292	74	0.55	141	2.06	75	10	1	22	194	X	X	X	TSK
CANADA BAS IN	SB293	74	1.53	141	8.09	75	10	2	5	200	X	X	X	TSK
CANADA BAS IN	SB294	74	6.16	141	26.43	75	10	3	5	198	X	X	X	TSK
CANADA BAS IN	SB295	74	9.77	141	35.10	75	10	3	23	177	X	X	X	TSK



CANADA	BAS IN	SB296	74	11.03	141	38.26	75	10	4	5	198	X	X	X	TSK
CANADA	BAS IN	SB297	74	14.92	141	51.50	75	10	5	5	200	X	X	X	TSK
CANADA	BAS IN	SB298	74	15.24	141	58.04	75	10	5	23	200	X	X	X	TSK
CANADA	BAS IN	SB299	74	15.03	141	59.72	75	10	6	5	200	X	X	X	TSK
CANADA	BAS IN	SB300	74	14.57	142	8.57	75	10	7	1	200	X	X	X	TSK
CANADA	BAS IN	SB301	74	12.92	142	10.78	75	10	7	22	200	X	X	X	TSK
CANADA	BAS IN	SB302	74	12.50	142	10.94	75	10	8	5	200	X	X	X	TSK
CANADA	BAS IN	SB303	74	11.23	142	11.32	75	10	8	22	198	X	X	X	TSK
CANADA	BAS IN	SB304	74	10.51	142	11.39	75	10	9	5	198	X	X	X	TSK
CANADA	BAS IN	SB305	74	8.45	142	10.91	75	10	10	5	200	X	X	X	TSK
CANADA	BAS IN	SB306	74	6.70	142	8.90	75	10	11	5	200	X	X	X	TSK
CANADA	BAS IN	SB307	74	7.11	141	48.98	75	10	12	5	198	X	X	X	TSK
CANADA	BAS IN	SB308	74	7.15	141	39.34	75	10	12	22	198	X	X	X	TSK
CANADA	BAS IN	SB309	74	6.71	141	41.06	75	10	13	5	200	X	X	X	TSK
CANADA	BAS IN	SB310	74	5.12	141	46.01	75	10	13	22	198	X	X	X	TSK
CANADA	BAS IN	SB311	74	4.69	141	48.94	75	10	14	5	198	X	X	X	TSK
CANADA	BAS IN	SB312	74	4.35	141	56.93	75	10	14	22	200	X	X	X	TSK
CANADA	BAS IN	SB313	74	4.74	142	1.21	75	10	15	5	198	X	X	X	TSK
CANADA	BAS IN	SB314	74	6.07	142	17.90	75	10	15	22	198	X	X	X	TSK
CANADA	BAS IN	SB315	74	6.53	142	24.59	75	10	16	5	198	X	X	X	TSK
CANADA	BAS IN	SB316	74	6.08	142	36.55	75	10	16	22	196	X	X	X	TSK
CANADA	BAS IN	SB317	74	5.03	142	37.48	75	10	17	5	190	X	X	X	TSK
CANADA	BAS IN	SB318	74	2.53	142	33.58	75	10	18	5	188	X	X	X	TSK
CANADA	BAS IN	SB319	74	2.77	142	39.67	75	10	18	22	176	X	X	X	TSK
CANADA	BAS IN	SB320	74	3.19	142	44.48	75	10	19	5	176	X	X	X	TSK
CANADA	BAS IN	SB321	74	3.85	142	58.54	75	10	19	22	170	X	X	X	TSK
CANADA	BAS IN	SB322	74	4.18	143	2.85	75	10	20	5	200	X	X	X	TSK
CANADA	BAS IN	SB323	74	4.71	143	7.78	75	10	20	22	198	X	X	X	TSK
CANADA	BAS IN	SB324	74	4.86	143	8.88	75	10	21	5	200	X	X	X	TSK
CANADA	BAS IN	SB325	74	4.99	143	11.57	75	10	21	22	200	X	X	X	TSK
CANADA	BAS IN	SB326	74	4.69	143	12.86	75	10	22	5	200	X	X	X	TSK
CANADA	BAS IN	SB327	74	3.38	143	9.32	75	10	22	22	200	X	X	X	TSK
CANADA	BAS IN	SB328	74	3.37	143	9.03	75	10	23	5	200	X	X	X	TSK
CANADA	BAS IN	SB329	74	7.67	143	28.46	75	10	24	5	200	X	X	X	TSK
CANADA	BAS IN	SB330	74	10.79	143	35.27	75	10	24	22	200	X	X	X	TSK
CANADA	BAS IN	SB331	74	10.97	143	32.85	75	10	25	5	198	X	X	X	TSK
CANADA	BAS IN	SB332	74	9.60	143	22.98	75	10	25	22	194	X	X	X	TSK
CANADA	BAS IN	SB333	74	8.00	143	18.48	75	10	26	5	196	X	X	X	TSK
CANADA	BAS IN	SB334	74	3.19	142	58.28	75	10	27	5	194	X	X	X	TSK
CANADA	BAS IN	SB335	74	0.65	142	53.23	75	10	27	22	200	X	X	X	TSK
CANADA	BAS IN	SB336	73	58.65	142	54.86	75	10	28	6	194	X	X	X	TSK
CANADA	BAS IN	SB337	73	52.10	143	4.44	75	10	28	22	192	X	X	X	TSK
CANADA	BAS IN	SB338	73	49.12	143	7.47	75	10	29	5	194	X	X	X	TSK
CANADA	BAS IN	SB339	73	43.13	143	8.16	75	10	29	22	196	X	X	X	TSK
CANADA	BAS IN	SB340	73	40.69	143	6.20	75	10	30	5	192	X	X	X	TSK
CANADA	BAS IN	SB341	73	35.01	143	4.58	75	10	30	22	198	X	X	X	TSK
CANADA	BAS IN	SB342	73	33.14	143	5.09	75	10	31	5	198	X	X	X	TSK
CANADA	BAS IN	SB343	73	32.35	143	2.75	75	10	31	22	200	X	X	X	TSK
CANADA	BAS IN	SB344	73	32.08	143	0.51	75	11	1	5	200	X	X	X	TSK
CANADA	BAS IN	SB345	73	32.02	142	58.32	75	11	1	22	200	X	X	X	TSK
CANADA	BAS IN	SB346	73	32.06	142	57.72	75	11	2	5	200	X	X	X	TSK
CANADA	BAS IN	SB347	73	32.22	142	57.91	75	11	2	21	200	X	X	X	TSK
CANADA	BAS IN	SB348	73	32.41	142	58.15	75	11	3	5	200	X	X	X	TSK
CANADA	BAS IN	SB349	73	33.10	143	0.18	75	11	3	22	200	X	X	X	TSK
CANADA	BAS IN	SB350	73	33.47	143	0.36	75	11	4	5	200	X	X	X	TSK
CANADA	BAS IN	SB351	73	34.80	143	2.30	75	11	4	22	200	X	X	X	TSK
CANADA	BAS IN	SB352	73	35.76	143	2.85	75	11	5	5	200	X	X	X	TSK
CANADA	BAS IN	SB353	73	36.84	143	0.02	75	11	5	22	200	X	X	X	TSK
CANADA	BAS IN	SB354	73	37.20	142	57.40	75	11	6	5	200	X	X	X	TSK
CANADA	BAS IN	SB355	73	39.57	142	45.68	75	11	6	22	198	X	X	X	TSK
CANADA	BAS IN	SB356	73	40.39	142	41.65	75	11	7	5	198	X	X	X	TSK
CANADA	BAS IN	SB357	73	42.23	142	39.63	75	11	8	5	200	X	X	X	TSK
CANADA	BAS IN	SB358	73	42.20	142	37.96	75	11	9	5	198	X	X	X	TSK
CANADA	BAS IN	SB359	73	42.67	142	32.67	75	11	10	5	200	X	X	X	TSK
CANADA	BAS IN	SB360	73	43.15	142	32.46	75	11	11	5	200	X	X	X	TSK
CANADA	BAS IN	SB361	73	42.94	142	32.07	75	11	11	22	200	X	X	X	TSK
CANADA	BAS IN	SB362	73	42.86	142	31.92	75	11	12	5	200	X	X	X	TSK
CANADA	BAS IN	SB363	73	41.89	142	35.91	75	11	12	20	200	X	X	X	TSK
CANADA	BAS IN	SB364	73	40.96	142	42.98	75	11	13	7	200	X	X	X	TSK
CANADA	BAS IN	SB365	73	36.16	143	1.59	75	11	14	7	196	X	X	X	TSK
CANADA	BAS IN	SB366	73	30.96	143	11.95	75	11	14	23	200	X	X	X	TSK
CANADA	BAS IN	SB367	73	30.41	143	12.05	75	11	15	5	200	X	X	X	TSK
CANADA	BAS IN	SB368	73	29.90	143	8.82	75	11	16		200	X	X	X	TSK
CANADA	BAS IN	SB369	73	29.90	143	8.67	75	11	16	5	200	X	X	X	TSK
CANADA	BAS IN	SB370	73	29.86	143	8.25	75	11	16	22	200	X	X	X	TSK
CANADA	BAS IN	SB371	73	29.85	143	8.33	75	11	17	5	200	X	X	X	TSK
CANADA	BAS IN	SB372	73	29.87	143	8.51	75	11	17	22	200	X	X	X	TSK
CANADA	BAS IN	SB373	73	29.86	143	8.44	75	11	18	5	200	X	X	X	TSK
CANADA	BAS IN	SB374	73	29.85	143	8.41	75	11	18	22	200	X	X	X	TSK
CANADA	BAS IN	SB375	73	29.83	143	8.42	75	11	19	5	200	X	X	X	TSK
CANADA	BAS IN	SB376	73	30.19	143	9.56	75	11	19	22	200	X	X	X	TSK
CANADA	BAS IN	SB377	73	31.24	143	12.12	75	11	20	5	198	X	X	X	TSK
CANADA	BAS IN	SB378	73	36.24	143	26.25	75	11	21		190	X	X	X	TSK

CANADA	BASIN	SB379	73	38.85	143	32.11	75	11	21	7	194	X	X	X	TSK
CANADA	BASIN	SB380	73	45.60	143	46.93	75	11	22		196	X	X	X	TSK
CANADA	BASIN	SB381	73	48.35	143	50.79	75	11	22	7	200	X	X	X	TSK
CANADA	BASIN	SB382	73	51.72	143	55.85	75	11	23	5	200	X	X	X	TSK
CANADA	BASIN	SB383	73	52.33	144	5.02	75	11	23	22	200	X	X	X	TSK
CANADA	BASIN	SB384	73	52.61	144	7.29	75	11	24	5	200	X	X	X	TSK
CANADA	BASIN	SB385	73	53.06	144	12.27	75	11	24	22	200	X	X	X	TSK
CANADA	BASIN	SB386	73	53.54	144	18.24	75	11	25	7	200	X	X	X	TSK
CANADA	BASIN	SB387	73	54.39	144	30.50	75	11	26		163	X	X	X	TSK
CANADA	BASIN	SB388	73	55.42	144	35.49	75	11	26	6	158	X	X	X	TSK
CANADA	BASIN	SB389	73	59.43	144	44.91	75	11	27		200	X	X	X	TSK
CANADA	BASIN	SB390	74	0.37	144	46.92	75	11	27	5	200	X	X	X	TSK
CANADA	BASIN	SB391	74	0.80	144	48.14	75	11	27	22	200	X	X	X	TSK
CANADA	BASIN	SB392	74	0.78	144	49.10	75	11	28	5	200	X	X	X	TSK
CANADA	BASIN	SB393	74	1.48	144	59.80	75	11	29	5	200	X	X	X	TSK
CANADA	BASIN	SB394	74	1.01	145	4.02	75	11	29	22	200	X	X	X	TSK
CANADA	BASIN	SB395	74	0.66	145	3.80	75	11	30	5	200	X	X	X	TSK
CANADA	BASIN	SB396	73	59.02	144	59.22	75	12	1		196	X	X	X	TSK
CANADA	BASIN	SB397	73	57.44	144	56.63	75	12	1	7	180	X	X	X	TSK
CANADA	BASIN	SB398	73	53.84	144	58.10	75	12	2		186	X	X	X	TSK
CANADA	BASIN	SB399	73	53.31	144	58.41	75	12	2	5	184	X	X	X	TSK
CANADA	BASIN	SB400	73	52.03	144	56.06	75	12	2	22	198	X	X	X	TSK
CANADA	BASIN	SB401	73	51.78	144	53.88	75	12	3	5	198	X	X	X	TSK
CANADA	BASIN	SB402	73	51.43	144	50.54	75	12	3	23	198	X	X	X	TSK
CANADA	BASIN	SB403	73	51.36	144	50.28	75	12	4	5	200	X	X	X	TSK
CANADA	BASIN	SB404	73	51.32	144	49.98	75	12	4	23	200	X	X	X	TSK
CANADA	BASIN	SB405	73	51.32	144	49.93	75	12	5	5	200	X	X	X	TSK
CANADA	BASIN	SB406	73	51.14	144	49.64	75	12	5	22	200	X	X	X	TSK
CANADA	BASIN	SB407	73	51.03	144	49.48	75	12	6	6	200	X	X	X	TSK
CANADA	BASIN	SB408	73	50.94	144	48.66	75	12	6	22	200	X	X	X	TSK
CANADA	BASIN	SB409	73	50.97	144	46.69	75	12	7	5	200	X	X	X	TSK
CANADA	BASIN	SB410	73	53.64	144	38.00	75	12	8		200	X	X	X	TSK
CANADA	BASIN	SB411	73	55.18	144	37.99	75	12	8	7	200	X	X	X	TSK
CANADA	BASIN	SB412	73	56.81	144	49.30	75	12	8	22	200	X	X	X	TSK
CANADA	BASIN	SB413	73	56.46	144	50.76	75	12	9	5	200	X	X	X	TSK
CANADA	BASIN	SB414	73	54.66	144	48.72	75	12	9	22	198	X	X	X	TSK
CANADA	BASIN	SB415	73	53.71	144	44.42	75	12	10	7	198	X	X	X	TSK
CANADA	BASIN	SB416	73	50.75	144	35.27	75	12	11	6	200	X	X	X	TSK
CANADA	BASIN	SB417	73	49.94	144	33.19	75	12	11	23	200	X	X	X	TSK
CANADA	BASIN	SB418	73	49.96	144	33.18	75	12	12	5	200	X	X	X	TSK
CANADA	BASIN	SB419	73	49.95	144	33.23	75	12	12	23	200	X	X	X	TSK
CANADA	BASIN	SB420	73	49.90	144	33.09	75	12	13	5	200	X	X	X	TSK
CANADA	BASIN	SB421	73	50.68	144	39.61	75	12	13	23	200	X	X	X	TSK
CANADA	BASIN	SB422	73	51.51	144	45.48	75	12	14	6	200	X	X	X	TSK
CANADA	BASIN	SB423	73	52.75	144	53.27	75	12	14	23	200	X	X	X	TSK
CANADA	BASIN	SB424	73	53.16	144	52.99	75	12	15	5	200	X	X	X	TSK
CANADA	BASIN	SB425	73	53.89	144	48.32	75	12	15	23	200	X	X	X	TSK
CANADA	BASIN	SB426	73	53.86	144	46.70	75	12	16	5	200	X	X	X	TSK
CANADA	BASIN	SB427	73	54.46	144	54.60	75	12	16	23	200	X	X	X	TSK
CANADA	BASIN	SB428	73	55.05	145	0.75	75	12	17	6	200	X	X	X	TSK
CANADA	BASIN	SB429	73	51.98	145	12.87	75	12	18	9	200	X	X	X	TSK
CANADA	BASIN	SB430	73	47.84	144	58.85	75	12	25	21	200	X	X	X	TSK
CANADA	BASIN	SB431	73	47.82	144	58.74	75	12	26	4	200	X	X	X	TSK
CANADA	BASIN	SB432	73	47.81	144	58.76	75	12	26	21	200	X	X	X	TSK
CANADA	BASIN	SB433	73	47.93	144	59.58	75	12	27	6	200	X	X	X	TSK
CANADA	BASIN	SB434	73	48.40	145	5.26	75	12	27	19	200	X	X	X	TSK
CANADA	BASIN	SB435	73	49.12	145	11.26	75	12	28	5	195	X	X	X	TSK
CANADA	BASIN	SB436	73	50.10	145	19.44	75	12	28	21	199	X	X	X	TSK
CANADA	BASIN	SB437	73	50.11	145	20.21	75	12	29	5	200	X	X	X	TSK
CANADA	BASIN	SB438	73	49.34	145	15.05	75	12	29	21	200	X	X	X	TSK
CANADA	BASIN	SB439	73	49.09	145	11.24	75	12	30	5	200	X	X	X	TSK
CANADA	BASIN	SB440	73	48.77	145	6.23	75	12	30	21	200	X	X	X	TSK
CANADA	BASIN	SB441	73	48.83	145	5.77	75	12	31	6	200	X	X	X	TSK
CANADA	BASIN	SB442	73	50.53	145	12.23	75	12	31	22	200	X	X	X	TSK
CANADA	BASIN	SB443	73	51.71	145	18.47	76	1	1	6	199	X	X	X	TSK
CANADA	BASIN	SB444	73	53.29	145	24.11	76	1	1	23	200	X	X	X	TSK
CANADA	BASIN	SB445	73	53.37	145	23.87	76	1	2	6	200	X	X	X	TSK
CANADA	BASIN	SB446	73	55.93	145	26.33	76	1	2	21	200	X	X	X	TSK
CANADA	BASIN	SB447	73	57.13	145	30.06	76	1	3	5	200	X	X	X	TSK
CANADA	BASIN	SB448	74	0.27	145	35.05	76	1	3	21	191	X	X	X	TSK
CANADA	BASIN	SB449	74	0.90	145	35.76	76	1	3	23	*	X	X	X	TSK
CANADA	BASIN	SB450	74	3.03	145	38.36	76	1	4	6	199	X	X	X	TSK
CANADA	BASIN	SB451	74	7.88	145	46.62	76	1	4	21	200	X	X	X	TSK
CANADA	BASIN	SB452	74	9.66	145	50.32	76	1	5	5	150	X	X	X	TSK
CANADA	BASIN	SB453	74	9.84	145	50.67	76	1	5	6	200	X	X	X	TSK
CANADA	BASIN	SB454	74	11.02	145	51.90	76	1	5	21	200	X	X	X	TSK
CANADA	BASIN	SB455	74	11.13	145	50.93	76	1	6	5	199	X	X	X	TSK
CANADA	BASIN	SB456	74	11.73	145	46.40	76	1	6	21	197	X	X	X	TSK
CANADA	BASIN	SB457	74	12.36	145	45.22	76	1	7	6	189	X	X	X	TSK
CANADA	BASIN	SB458	74	12.84	145	46.46	76	1	7	21	192	X	X	X	TSK
CANADA	BASIN	SB459	74	12.90	145	47.07	76	1	8	6	195	X	X	X	TSK
CANADA	BASIN	SB460	74	12.10	145	48.50	76	1	8	21	178	X	X	X	TSK
CANADA	BASIN	SB461	74	7.02	145	43.53	76	1	10	5	193	X	X	X	TSK

CANADA	BASIN	SB462	74	5.63	145	22.56	76	1	11	7	195	X	X	X	TSK
CANADA	BASIN	SB463	74	0.57	145	15.49	76	1	11	20	196	X	X	X	TSK
CANADA	BASIN	SB464	73	57.62	145	6.14	76	1	12	17	197	X	X	X	TSK
CANADA	BASIN	SB465	73	57.61	145	6.20	76	1	12	19	193	X	X	X	TSK
CANADA	BASIN	SB466	73	57.55	145	5.96	76	1	13	7	194	X	X	X	TSK
CANADA	BASIN	SB467	73	57.55	145	5.83	76	1	13	19	194	X	X	X	TSK
CANADA	BASIN	SB468	73	58.31	145	6.27	76	1	14	19	196	X	X	X	TSK
CANADA	BASIN	SB469	73	59.53	145	6.89	76	1	15	6	199	X	X	X	TSK
CANADA	BASIN	SB470	73	59.70	145	8.36	76	1	15	19	200	X	X	X	TSK
CANADA	BASIN	SB471	73	58.40	145	6.35	76	1	16	7	198	X	X	X	TSK
CANADA	BASIN	SB472	73	57.49	145	2.64	76	1	16	20	199	X	X	X	TSK
CANADA	BASIN	SB473	73	57.69	145	2.79	76	1	17	6	200	X	X	X	TSK
CANADA	BASIN	SB474	73	57.58	145	4.28	76	1	17	20	200	X	X	X	TSK
CANADA	BASIN	SB475	73	57.19	145	4.10	76	1	18	7	200	X	X	X	TSK
CANADA	BASIN	SB476	73	57.00	145	3.93	76	1	18	20	200	X	X	X	TSK
CANADA	BASIN	SB477	73	56.81	145	3.37	76	1	19	6	200	X	X	X	TSK
CANADA	BASIN	SB478	73	56.29	144	59.83	76	1	19	20	200	X	X	X	TSK
CANADA	BASIN	SB479	73	55.90	144	56.14	76	1	20	6	200	X	X	X	TSK
CANADA	BASIN	SB480	73	55.68	144	54.66	76	1	20	21	200	X	X	X	TSK
CANADA	BASIN	SB481	73	55.65	144	54.67	76	1	21	7	200	X	X	X	TSK
CANADA	BASIN	SB482	73	55.45	144	56.81	76	1	21	20	200	X	X	X	TSK
CANADA	BASIN	SB483	73	55.30	144	58.76	76	1	22		200	X	X	X	TSK
CANADA	BASIN	SB484	73	54.77	145	1.56	76	1	22	6	200	X	X	X	TSK
CANADA	BASIN	SB485	73	54.14	145	3.66	76	1	22	20	200	X	X	X	TSK
CANADA	BASIN	SB486	73	53.27	145	5.49	76	1	23	7	200	X	X	X	TSK
CANADA	BASIN	SB487	73	52.80	145	4.90	76	1	23	19	200	X	X	X	TSK
CANADA	BASIN	SB488	73	52.64	145	2.91	76	1	24	6	200	X	X	X	TSK
CANADA	BASIN	SB489	73	51.85	145	0.42	76	1	24	21	200	X	X	X	TSK
CANADA	BASIN	SB490	73	51.67	145	0.43	76	1	25	6	200	X	X	X	TSK
CANADA	BASIN	SB491	73	51.31	145	0.54	76	1	25	20	200	X	X	X	TSK
CANADA	BASIN	SB492	73	51.27	145	0.65	76	1	26	7	200	X	X	X	TSK
CANADA	BASIN	SB493	73	51.28	145	0.71	76	1	26	20	200	X	X	X	TSK
CANADA	BASIN	SB494	73	51.28	145	0.54	76	1	27	7	200	X	X	X	TSK
CANADA	BASIN	SB495	73	51.27	145	0.63	76	1	27	19	200	X	X	X	TSK
CANADA	BASIN	SB496	73	51.26	145	0.79	76	1	28	7	200	X	X	X	TSK
CANADA	BASIN	SB497	73	51.26	145	0.59	76	1	28	20	200	X	X	X	TSK
CANADA	BASIN	SB498	73	51.28	145	0.69	76	1	29	6	200	X	X	X	TSK
CANADA	BASIN	SB499	73	51.54	145	3.96	76	1	29	20	200	X	X	X	TSK
CANADA	BASIN	SB500	73	51.74	145	11.89	76	1	30	7	199	X	X	X	TSK
CANADA	BASIN	SB501	73	52.05	145	27.70	76	1	30	20	200	X	X	X	TSK
CANADA	BASIN	SB502	73	52.36	145	37.26	76	1	31	6	200	X	X	X	TSK
CANADA	BASIN	SB503	73	52.58	145	41.67	76	1	31	12	*	X	X	X	TSK
CANADA	BASIN	SB504	73	55.48	145	48.31	76	2	1	21	200	X	X	X	TSK
CANADA	BASIN	SB505	73	52.50	145	28.46	76	2	6	8	197	X	X	X	TSK
CANADA	BASIN	SB506	73	50.53	145	18.11	76	2	7		194	X	X	X	TSK
CANADA	BASIN	SB507	73	49.81	145	13.96	76	2	7	6	176	X	X	X	TSK
CANADA	BASIN	SB508	73	46.03	145	1.63	76	2	8	7	198	X	X	X	TSK
CANADA	BASIN	SB509	73	43.43	144	51.18	76	2	9	7	198	X	X	X	TSK
CANADA	BASIN	SB510	73	42.93	144	47.67	76	2	9	23	200	X	X	X	TSK
CANADA	BASIN	SB511	73	42.91	144	47.55	76	2	10	6	200	X	X	X	TSK
CANADA	BASIN	SB512	73	42.89	144	47.60	76	2	10	23	200	X	X	X	TSK
CANADA	BASIN	SB513	73	42.90	144	47.70	76	2	11	6	200	X	X	X	TSK
CANADA	BASIN	SB514	73	42.76	144	46.11	76	2	12		200	X	X	X	TSK
CANADA	BASIN	SB515	73	42.43	144	45.31	76	2	12	6	200	X	X	X	TSK
CANADA	BASIN	SB516	73	41.60	144	43.28	76	2	12	23	200	X	X	X	TSK
CANADA	BASIN	SB517	73	41.59	144	43.38	76	2	13	6	200	X	X	X	TSK
CANADA	BASIN	SB518	73	41.59	144	43.29	76	2	13	23	200	X	X	X	TSK
CANADA	BASIN	SB519	73	41.58	144	43.43	76	2	14	6	200	X	X	X	TSK
CANADA	BASIN	SB520	73	41.58	144	43.47	76	2	15	6	200	X	X	X	TSK
CANADA	BASIN	SB521	73	41.60	144	43.41	76	2	16		200	X	X	X	TSK
CANADA	BASIN	SB522	73	41.59	144	43.37	76	2	16	7	200	X	X	X	TSK
CANADA	BASIN	SB523	73	41.63	144	43.40	76	2	16	23	200	X	X	X	TSK
CANADA	BASIN	SB524	73	41.36	144	41.87	76	2	17	6	200	X	X	X	TSK
CANADA	BASIN	SB525	73	41.59	144	43.40	76	2	18		200	X	X	X	TSK
CANADA	BASIN	SB526	73	41.57	144	43.42	76	2	18	7	200	X	X	X	TSK
CANADA	BASIN	SB527	73	41.59	144	43.39	76	2	18	23	200	X	X	X	TSK
CANADA	BASIN	SB528	73	41.58	144	43.42	76	2	20		200	X	X	X	TSK
CANADA	BASIN	SB529	73	41.58	144	43.45	76	2	20	6	200	X	X	X	TSK
CANADA	BASIN	SB530	73	41.59	144	43.20	76	2	20	20	200	X	X	X	TSK
CANADA	BASIN	SB531	73	41.58	144	43.42	76	2	21	7	200	X	X	X	TSK
CANADA	BASIN	SB532	73	41.58	144	43.40	76	2	21	20	200	X	X	X	TSK
CANADA	BASIN	SB533	73	41.58	144	43.43	76	2	22	7	200	X	X	X	TSK
CANADA	BASIN	SB534	73	41.59	144	43.33	76	2	22	23	200	X	X	X	TSK
CANADA	BASIN	SB535	73	41.58	144	43.43	76	2	23	6	200	X	X	X	TSK
CANADA	BASIN	SB536	73	41.59	144	43.48	76	2	23	23	200	X	X	X	TSK
CANADA	BASIN	SB537	73	41.58	144	43.60	76	2	24	7	200	X	X	X	TSK
CANADA	BASIN	SB538	73	41.60	144	43.53	76	2	24	20	200	X	X	X	TSK
CANADA	BASIN	SB539	73	41.59	144	43.38	76	2	25	20	200	X	X	X	TSK
CANADA	BASIN	SB540	73	41.59	144	43.60	76	2	26	6	200	X	X	X	TSK
CANADA	BASIN	SB541	73	44.24	144	43.24	76	2	27	6	200	X	X	X	TSK
CANADA	BASIN	SB542	73	44.36	144	39.98	76	2	27	23	200	X	X	X	TSK
CANADA	BASIN	SB543	73	44.26	144	39.97	76	2	28	6	200	X	X	X	TSK
CANADA	BASIN	SB544	73	44.39	144	40.15	76	2	28	20	200	X	X	X	TSK

CANADA BAS IN	SB545	73	45.28	144	40.89	76	2	29	6	200	X	X	X	TSK
CANADA BAS IN	SB546	73	46.91	144	42.42	76	2	29	20	200	X	X	X	TSK
CANADA BAS IN	SB547	73	47.94	144	44.45	76	3	1	6	200	X	X	X	TSK
CANADA BAS IN	SB548	73	47.90	144	45.06	76	3	1	21	200	X	X	X	TSK
CANADA BAS IN	SB549	73	47.61	144	46.31	76	3	2	5	200	X	X	X	TSK
CANADA BAS IN	SB550	73	46.72	144	43.53	76	3	3	7	200	X	X	X	TSK
CANADA BAS IN	SB551	73	45.50	145	6.08	76	3	4	20	200	X	X	X	TSK
CANADA BAS IN	SB552	73	43.44	145	7.46	76	3	5	22	200	X	X	X	TSK
CANADA BAS IN	SB553	73	43.14	145	5.96	76	3	6	6	200	X	X	X	TSK
CANADA BAS IN	SB554	73	43.14	145	3.55	76	3	6	20	200	X	X	X	TSK
CANADA BAS IN	SB555	73	45.26	145	36.70	76	3	11	6	200	X	X	X	TSK
CANADA BAS IN	SB556	73	44.73	145	39.98	76	3	12		200	X	X	X	TSK
CANADA BAS IN	SB557	73	22.05	145	24.48	76	3	22	20	200	X	X	X	TSK
CANADA BAS IN	SB558	73	22.05	145	24.51	76	3	23	8	200	X	X	X	TSK
CANADA BAS IN	SB559	73	22.05	145	24.49	76	3	23	20	200	X	X	X	TSK
CANADA BAS IN	SB560	73	22.03	145	23.94	76	3	24	7	200	X	X	X	TSK
CANADA BAS IN	SB561	73	22.05	145	23.80	76	3	24	20	200	X	X	X	TSK
CANADA BAS IN	SB562	73	22.09	145	22.80	76	3	25	6	200	X	X	X	TSK
CANADA BAS IN	SB563	73	22.11	145	23.02	76	3	25	19	200	X	X	X	TSK
CANADA BAS IN	SB564	73	22.09	145	23.02	76	3	26	6	200	X	X	X	TSK
CANADA BAS IN	SB565	73	22.10	145	23.04	76	3	26	20	200	X	X	X	TSK
CANADA BAS IN	SB566	73	22.07	145	22.99	76	3	27	13	200	X	X	X	TSK
CANADA BAS IN	SB567	73	22.09	145	22.98	76	3	27	21	200	X	X	X	TSK
CANADA BAS IN	SB568	73	22.10	145	23.05	76	3	28	6	200	X	X	X	TSK
CANADA BAS IN	SB569	73	22.09	145	23.03	76	3	28	19	200	X	X	X	TSK
CANADA BAS IN	SB570	73	22.10	145	22.99	76	3	29	6	200	X	X	X	TSK
CANADA BAS IN	SB571	73	22.10	145	23.04	76	3	29	19	200	X	X	X	TSK
CANADA BAS IN	SB572	73	22.10	145	23.02	76	3	30	7	200	X	X	X	TSK
CANADA BAS IN	SB573	73	22.09	145	22.98	76	3	30	19	200	X	X	X	TSK
CANADA BAS IN	SB574	73	22.10	145	22.95	76	3	31	6	200	X	X	X	TSK
CANADA BAS IN	SB575	73	22.11	145	22.57	76	3	31	19	200	X	X	X	TSK
CANADA BAS IN	SB576	73	22.09	145	23.06	76	4	1	6	200	X	X	X	TSK
CANADA BAS IN	SB577	73	22.11	145	22.96	76	4	1	19	200	X	X	X	TSK
CANADA BAS IN	SB578	73	22.10	145	23.03	76	4	2	7	200	X	X	X	TSK
CANADA BAS IN	SB579	73	22.10	145	23.04	76	4	2	19	200	X	X	X	TSK
CANADA BAS IN	SB580	73	22.02	145	23.04	76	4	3	6	200	X	X	X	TSK
CANADA BAS IN	SB581	73	22.10	145	23.03	76	4	3	19	200	X	X	X	TSK
CANADA BAS IN	SB582	73	22.09	145	22.94	76	4	4	6	200	X	X	X	TSK
CANADA BAS IN	SB583	73	22.10	145	23.01	76	4	4	19	200	X	X	X	TSK
CANADA BAS IN	SB584	73	22.07	145	24.61	76	4	5		200	X	X	X	TSK
CANADA BAS IN	SB585	73	21.89	145	28.29	76	4	5	6	200	X	X	X	TSK
CANADA BAS IN	SB586	73	21.78	145	29.94	76	4	5	19	200	X	X	X	TSK
CANADA BAS IN	SB587	73	21.89	145	32.54	76	4	6	7	200	X	X	X	TSK
CANADA BAS IN	SB588	73	22.06	145	33.79	76	4	6	20	200	X	X	X	TSK
CANADA BAS IN	SB589	73	22.07	145	33.88	76	4	7	7	200	X	X	X	TSK
CANADA BAS IN	SB590	73	22.01	145	33.58	76	4	7	19	200	X	X	X	TSK
CANADA BAS IN	SB591	73	21.98	145	33.27	76	4	8	6	200	X	X	X	TSK
CANADA BAS IN	SB592	73	22.81	145	35.48	76	4	8	20	200	X	X	X	TSK
CANADA BAS IN	SB593	73	24.77	145	38.96	76	4	9	8	200	X	X	X	TSK
CANADA BAS IN	SB594	73	24.57	145	40.08	76	4	9	20	200	X	X	X	TSK
CANADA BAS IN	SB595	73	23.39	145	43.11	76	4	10	6	200	X	X	X	TSK
CANADA BAS IN	SB596	73	22.73	145	48.73	76	4	10	19	200	X	X	X	TSK
CANADA BAS IN	SB597	73	22.49	145	56.28	76	4	11	6	200	X	X	X	TSK
CANADA BAS IN	SB598	73	22.83	146	7.43	76	4	11	20	200	X	X	X	TSK
CANADA BAS IN	SB599	73	23.87	146	12.88	76	4	12	6	200	X	X	X	TSK
CANADA BAS IN	SB600	73	24.03	146	13.05	76	4	12	19	200	X	X	X	TSK
CANADA BAS IN	SB601	73	23.95	146	12.56	76	4	13	6	200	X	X	X	TSK
CANADA BAS IN	SB602	73	23.80	146	10.70	76	4	13	19	200	X	X	X	TSK
CANADA BAS IN	SB603	73	23.55	146	9.08	76	4	14	6	200	X	X	X	TSK
CANADA BAS IN	SB604	73	23.36	146	4.83	76	4	14	19	200	X	X	X	TSK
CANADA BAS IN	SB605	73	23.42	146	3.36	76	4	14	21	199	X	X	X	TSK
CANADA BAS IN	SB606	73	23.52	146	2.01	76	4	14	23	*	X	X	X	TSK
CANADA BAS IN	SB607	73	23.93	145	56.67	76	4	15	7	199	X	X	X	TSK
CANADA BAS IN	SB608	73	24.72	145	51.04	76	4	15	19	200	X	X	X	TSK
CANADA BAS IN	SB609	73	24.82	145	50.07	76	4	15	20	*	X	X	X	TSK
CANADA BAS IN	SB610	73	25.49	145	44.47	76	4	16	6	200	X	X	X	TSK
CANADA BAS IN	SB611	73	25.62	145	43.78	76	4	16	22	200	X	X	X	TSK
CANADA BAS IN	SB612	73	25.51	145	43.64	76	4	17	6	199	X	X	X	TSK
CANADA BAS IN	SB613	73	25.75	145	43.94	76	4	17	21	198	X	X	X	TSK
CANADA BAS IN	SB614	73	25.84	145	44.08	76	4	18	2	199	X	X	X	TSK
CANADA BAS IN	SB615	73	25.83	145	45.23	76	4	18	13	198	X	X	X	TSK
CANADA BAS IN	SB616	73	25.61	145	48.63	76	4	19	1	197	X	X	X	TSK
CANADA BAS IN	SB617	73	25.18	145	52.21	76	4	19	13	198	X	X	X	TSK
CANADA BAS IN	SB618	73	24.22	145	56.92	76	4	20	1	200	X	X	X	TSK
CANADA BAS IN	SB619	73	23.95	145	59.31	76	4	20	7	200	X	X	X	TSK
CANADA BAS IN	SB620	73	23.72	146	1.33	76	4	20	19	200	X	X	X	TSK
CANADA BAS IN	BB 1	0	0.00	0	0.00	75	4	8	5	200	X	X	X	TSK
CANADA BAS IN	BB 2	0	0.00	0	0.00	75	4	9	18	200	X	X	X	TSK
CANADA BAS IN	BB 3	0	0.00	0	0.00	75	4	10	5	200	X	X	X	TSK
CANADA BAS IN	BB 4	0	0.00	0	0.00	75	4	10	17	200	X	X	X	TSK
CANADA BAS IN	BB 5	76	21.10	145	20.77	75	4	11	5	200	X	X	X	TSK
CANADA BAS IN	BB 6	76	21.08	145	20.52	75	4	11	6	*	X	X	X	TSK
CANADA BAS IN	BB 7	76	21.09	145	18.07	75	4	11	17	195	X	X	X	TSK

CANADA	BAS IN	BB	8	76	21.16	145	17.93	75	4	11	18	200	X	X	X	TSK
CANADA	BAS IN	BB	9	76	21.35	145	15.06	75	4	12	7	200	X	X	X	TSK
CANADA	BAS IN	BB	10	76	21.19	145	15.71	75	4	13		200	X	X	X	TSK
CANADA	BAS IN	BB	11	76	21.27	145	15.98	75	4	13	7	200	X	X	X	TSK
CANADA	BAS IN	BB	12	76	21.34	145	17.16	75	4	13	17	193	X	X	X	TSK
CANADA	BAS IN	BB	13	76	22.57	145	21.15	75	4	14	6	196	X	X	X	TSK
CANADA	BAS IN	BB	14	76	25.31	145	30.99	75	4	14	17	182	X	X	X	TSK
CANADA	BAS IN	BB	15	76	26.11	145	32.59	75	4	14	19	200	X	X	X	TSK
CANADA	BAS IN	BB	16	76	29.20	145	35.88	75	4	15	5	190	X	X	X	TSK
CANADA	BAS IN	BB	17	76	29.91	145	34.36	75	4	15	17	192	X	X	X	TSK
CANADA	BAS IN	BB	18	76	29.27	145	20.87	75	4	16	5	194	X	X	X	TSK
CANADA	BAS IN	BB	19	76	30.20	145	11.45	75	4	16	18	193	X	X	X	TSK
CANADA	BAS IN	BB	20	76	30.65	145	0.52	75	4	17	5	195	X	X	X	TSK
CANADA	BAS IN	BB	21	76	29.91	144	54.97	75	4	17	18	195	X	X	X	TSK
CANADA	BAS IN	BB	22	76	28.92	144	48.40	75	4	18	6	200	X	X	X	TSK
CANADA	BAS IN	BB	23	76	28.81	144	43.97	75	4	18	20	198	X	X	X	TSK
CANADA	BAS IN	BB	24	76	29.12	144	41.12	75	4	18	23	*	X	X	X	TSK
CANADA	BAS IN	BB	25	76	28.84	144	37.48	75	4	19	6	195	X	X	X	TSK
CANADA	BAS IN	BB	26	76	28.93	144	31.83	75	4	19	19	195	X	X	X	TSK
CANADA	BAS IN	BB	27	76	28.84	144	26.44	75	4	20	6	200	X	X	X	TSK
CANADA	BAS IN	BB	28	76	28.79	144	25.67	75	4	20	19	200	X	X	X	TSK
CANADA	BAS IN	BB	29	76	28.84	144	25.94	75	4	20	20	*	X	X	X	TSK
CANADA	BAS IN	BB	30	76	29.36	144	26.73	75	4	21	6	200	X	X	X	TSK
CANADA	BAS IN	BB	31	76	29.48	144	28.18	75	4	21	20	184	X	X	X	TSK
CANADA	BAS IN	BB	32	76	29.45	144	28.68	75	4	21	22	200	X	X	X	TSK
CANADA	BAS IN	BB	33	76	29.00	144	32.44	75	4	22	6	190	X	X	X	TSK
CANADA	BAS IN	BB	34	76	28.08	144	35.94	75	4	22	20	200	X	X	X	TSK
CANADA	BAS IN	BB	35	76	26.98	144	32.96	75	4	23	7	165	X	X	X	TSK
CANADA	BAS IN	BB	36	76	26.35	144	31.03	75	4	23	19	200	X	X	X	TSK
CANADA	BAS IN	BB	37	76	26.21	144	29.71	75	4	24	6	200	X	X	X	TSK
CANADA	BAS IN	BB	38	76	26.31	144	30.15	75	4	24	19	200	X	X	X	TSK
CANADA	BAS IN	BB	39	76	25.83	144	27.90	75	4	25	6	200	X	X	X	TSK
CANADA	BAS IN	BB	40	76	25.84	144	27.98	75	4	25	19	200	X	X	X	TSK
CANADA	BAS IN	BB	41	76	26.44	144	26.48	75	4	26	6	200	X	X	X	TSK
CANADA	BAS IN	BB	42	76	26.65	144	26.95	75	4	26	19	200	X	X	X	TSK
CANADA	BAS IN	BB	43	76	26.29	144	26.30	75	4	27	6	194	X	X	X	TSK
CANADA	BAS IN	BB	44	76	25.76	144	22.86	75	4	27	19	194	X	X	X	TSK
CANADA	BAS IN	BB	45	76	25.20	144	21.18	75	4	28	6	200	X	X	X	TSK
CANADA	BAS IN	BB	46	76	25.16	144	19.98	75	4	28	19	200	X	X	X	TSK
CANADA	BAS IN	BB	47	76	25.19	144	18.12	75	4	29	6	200	X	X	X	TSK
CANADA	BAS IN	BB	48	76	25.45	144	15.95	75	4	29	19	194	X	X	X	TSK
CANADA	BAS IN	BB	49	76	27.28	144	5.38	75	4	30	6	194	X	X	X	TSK
CANADA	BAS IN	BB	50	76	28.82	143	45.48	75	4	30	19	153	X	X	X	TSK
CANADA	BAS IN	BB	51	76	28.37	143	43.14	75	4	30	23	159	X	X	X	TSK
CANADA	BAS IN	BB	52	76	27.83	143	39.98	75	5	1	6	188	X	X	X	TSK
CANADA	BAS IN	BB	53	76	27.70	143	39.84	75	5	1	19	191	X	X	X	TSK
CANADA	BAS IN	BB	54	76	27.13	143	41.66	75	5	2	6	192	X	X	X	TSK
CANADA	BAS IN	BB	55	76	27.21	143	45.33	75	5	2	19	192	X	X	X	TSK
CANADA	BAS IN	BB	56	76	26.58	143	51.87	75	5	3	6	200	X	X	X	TSK
CANADA	BAS IN	BB	57	76	26.10	143	57.16	75	5	3	19	200	X	X	X	TSK
CANADA	BAS IN	BB	58	76	25.71	144	4.08	75	5	4	6	200	X	X	X	TSK
CANADA	BAS IN	BB	59	76	25.42	144	9.27	75	5	4	19	193	X	X	X	TSK
CANADA	BAS IN	BB	60	76	25.48	144	21.19	75	5	5	6	194	X	X	X	TSK
CANADA	BAS IN	BB	61	76	25.59	144	35.67	75	5	5	19	190	X	X	X	TSK
CANADA	BAS IN	BB	62	76	26.32	144	46.73	75	5	6	6	190	X	X	X	TSK
CANADA	BAS IN	BB	63	76	26.84	144	58.03	75	5	6	19	188	X	X	X	TSK
CANADA	BAS IN	BB	64	76	27.59	145	4.59	75	5	7	6	200	X	X	X	TSK
CANADA	BAS IN	BB	65	76	27.86	145	7.92	75	5	7	19	200	X	X	X	TSK
CANADA	BAS IN	BB	66	76	28.01	145	9.80	75	5	8	6	200	X	X	X	TSK
CANADA	BAS IN	BB	67	76	28.16	145	12.91	75	5	8	19	200	X	X	X	TSK
CANADA	BAS IN	BB	68	76	28.95	145	14.20	75	5	9	6	200	X	X	X	TSK
CANADA	BAS IN	BB	69	76	29.77	145	13.54	75	5	9	19	200	X	X	X	TSK
CANADA	BAS IN	BB	70	76	29.76	145	12.35	75	5	10	6	200	X	X	X	TSK
CANADA	BAS IN	BB	71	76	28.58	145	9.89	75	5	10	19	194	X	X	X	TSK
CANADA	BAS IN	BB	72	76	27.23	145	7.11	75	5	11	6	194	X	X	X	TSK
CANADA	BAS IN	BB	73	76	25.81	145	5.11	75	5	11	19	200	X	X	X	TSK
CANADA	BAS IN	BB	74	76	24.44	145	6.98	75	5	12	6	200	X	X	X	TSK
CANADA	BAS IN	BB	75	76	22.85	145	7.61	75	5	12	19	191	X	X	X	TSK
CANADA	BAS IN	BB	76	76	20.73	145	12.17	75	5	13	6	194	X	X	X	TSK
CANADA	BAS IN	BB	77	76	18.67	145	13.81	75	5	13	19	200	X	X	X	TSK
CANADA	BAS IN	BB	78	76	17.03	145	9.90	75	5	14	6	194	X	X	X	TSK
CANADA	BAS IN	BB	79	76	15.28	145	3.74	75	5	14	19	193	X	X	X	TSK
CANADA	BAS IN	BB	80	76	13.66	144	55.96	75	5	15	6	193	X	X	X	TSK
CANADA	BAS IN	BB	81	76	11.70	144	54.91	75	5	15	19	200	X	X	X	TSK
CANADA	BAS IN	BB	82	76	10.75	144	55.45	75	5	16	6	200	X	X	X	TSK
CANADA	BAS IN	BB	83	76	11.77	144	54.50	75	5	16	19	200	X	X	X	TSK
CANADA	BAS IN	BB	84	76	13.64	144	58.25	75	5	17	6	200	X	X	X	TSK
CANADA	BAS IN	BB	85	76	15.57	145	9.83	75	5	17	19	193	X	X	X	TSK
CANADA	BAS IN	BB	86	76	16.56	145	20.43	75	5	18	6	193	X	X	X	TSK
CANADA	BAS IN	BB	87	76	16.47	145	31.46	75	5	18	19	194	X	X	X	TSK
CANADA	BAS IN	BB	88	76	15.70	145	40.73	75	5	19	6	194	X	X	X	TSK
CANADA	BAS IN	BB	89	76	14.34	145	44.47	75	5	19	19	194	X	X	X	TSK
CANADA	BAS IN	BB	90	76	13.10	145	46.73	75	5	20	6	200	X	X	X	TSK

CANADA	BAS IN	BB 91	76	12.50	145	45.69	75	5	20	17	200	X	X	X	TSK
CANADA	BAS IN	BB 92	76	12.23	145	42.98	75	5	21	5	200	X	X	X	TSK
CANADA	BAS IN	BB 93	76	12.26	145	39.55	75	5	21	17	192	X	X	X	TSK
CANADA	BAS IN	BB 94	76	13.44	145	34.86	75	5	22	5	200	X	X	X	TSK
CANADA	BAS IN	BB 95	76	14.20	145	29.90	75	5	22	17	200	X	X	X	TSK
CANADA	BAS IN	BB 96	76	14.50	145	24.52	75	5	23	5	200	X	X	X	TSK
CANADA	BAS IN	BB 97	76	14.54	145	21.52	75	5	23	17	200	X	X	X	TSK
CANADA	BAS IN	BB 98	76	14.48	145	20.90	75	5	23	19	200	X	X	X	TSK
CANADA	BAS IN	BB 99	76	14.28	145	19.79	75	5	24		200	X	X	X	TSK
CANADA	BAS IN	BB100	76	13.90	145	18.39	75	5	24	6	200	X	X	X	TSK
CANADA	BAS IN	BB101	76	13.56	145	16.80	75	5	24	17	200	X	X	X	TSK
CANADA	BAS IN	BB102	76	16.20	146	5.18	75	5	28	5	183	X	X	X	TSK
CANADA	BAS IN	BB103	76	17.54	146	15.20	75	5	28	17	178	X	X	X	TSK
CANADA	BAS IN	BB104	76	18.23	146	19.23	75	5	28	22	181	X	X	X	TSK
CANADA	BAS IN	BB105	76	19.22	146	25.13	75	5	29	5	182	X	X	X	TSK
CANADA	BAS IN	BB106	76	21.02	146	35.26	75	5	29	19	187	X	X	X	TSK
CANADA	BAS IN	BB107	76	21.29	146	36.77	75	5	29	21	200	X	X	X	TSK
CANADA	BAS IN	BB108	76	22.47	146	44.55	75	5	30	6	190	X	X	X	TSK
CANADA	BAS IN	BB109	76	22.57	146	45.10	75	5	30	6	*	X	X	X	TSK
CANADA	BAS IN	BB110	76	23.89	146	50.91	75	5	30	17	191	X	X	X	TSK
CANADA	BAS IN	BB111	76	24.40	146	52.72	75	5	30	22	191	X	X	X	TSK
CANADA	BAS IN	BB112	76	25.37	146	58.96	75	5	31	17	191	X	X	X	TSK
CANADA	BAS IN	BB113	76	25.37	146	59.50	75	5	31	18	191	X	X	X	TSK
CANADA	BAS IN	BB114	76	25.36	147	0.36	75	5	31	19	*	X	X	X	TSK
CANADA	BAS IN	BB115	76	25.37	147	0.72	75	5	31	20	200	X	X	X	TSK
CANADA	BAS IN	BB116	76	25.39	147	1.26	75	5	31	20	172	X	X	X	TSK
CANADA	BAS IN	BB117	76	25.49	147	2.65	75	5	31	22	190	X	X	X	TSK
CANADA	BAS IN	BB118	76	25.56	147	3.72	75	6	1		191	X	X	X	TSK
CANADA	BAS IN	BB119	76	25.62	147	6.20	75	6	1	5	200	X	X	X	TSK
CANADA	BAS IN	BB120	76	25.75	147	10.32	75	6	1	17	190	X	X	X	TSK
CANADA	BAS IN	BB121	76	25.83	147	17.71	75	6	2	5	200	X	X	X	TSK
CANADA	BAS IN	BB122	76	26.11	147	23.72	75	6	2	20	200	X	X	X	TSK
CANADA	BAS IN	BB123	76	26.34	147	27.36	75	6	3	6	171	X	X	X	TSK
CANADA	BAS IN	BB124	76	27.17	147	33.72	75	6	3	19	200	X	X	X	TSK
CANADA	BAS IN	BB125	76	27.73	147	41.27	75	6	4	6	200	X	X	X	TSK
CANADA	BAS IN	BB126	76	27.90	147	50.36	75	6	4	18	200	X	X	X	TSK
CANADA	BAS IN	BB127	76	27.80	147	59.65	75	6	5	5	200	X	X	X	TSK
CANADA	BAS IN	BB128	76	27.53	148	5.62	75	6	5	17	200	X	X	X	TSK
CANADA	BAS IN	BB129	76	27.41	148	6.85	75	6	5	19	*	X	X	X	TSK
CANADA	BAS IN	BB130	76	27.01	148	11.04	75	6	6	4	190	X	X	X	TSK
CANADA	BAS IN	BB131	76	26.38	148	16.11	75	6	6	17	190	X	X	X	TSK
CANADA	BAS IN	BB132	76	26.06	148	19.59	75	6	6	22	188	X	X	X	TSK
CANADA	BAS IN	BB133	76	25.64	148	22.48	75	6	7	5	174	X	X	X	TSK
CANADA	BAS IN	BB134	76	25.04	148	25.73	75	6	7	17	163	X	X	X	TSK
CANADA	BAS IN	BB135	76	24.39	148	28.63	75	6	8	5	158	X	X	X	TSK
CANADA	BAS IN	BB136	76	22.94	148	31.05	75	6	8	19	183	X	X	X	TSK
CANADA	BAS IN	BB137	76	22.79	148	31.10	75	6	8	20	*	X	X	X	TSK
CANADA	BAS IN	BB138	76	21.56	148	29.72	75	6	9	6	200	X	X	X	TSK
CANADA	BAS IN	BB139	76	20.89	148	27.84	75	6	9	17	186	X	X	X	TSK
CANADA	BAS IN	BB140	76	20.86	148	27.56	75	6	9	18	*	X	X	X	TSK
CANADA	BAS IN	BB141	76	20.77	148	27.46	75	6	9	20	200	X	X	X	TSK
CANADA	BAS IN	BB142	76	20.57	148	26.14	75	6	10	5	184	X	X	X	TSK
CANADA	BAS IN	BB143	76	20.53	148	25.86	75	6	10	6	*	X	X	X	TSK
CANADA	BAS IN	BB144	76	19.92	148	22.04	75	6	10	17	200	X	X	X	TSK
CANADA	BAS IN	BB145	76	19.12	148	17.28	75	6	12	5	186	X	X	X	TSK
CANADA	BAS IN	BB146	76	18.94	148	17.27	75	6	12	19	200	X	X	X	TSK
CANADA	BAS IN	BB147	76	18.85	148	17.28	75	6	12	23	189	X	X	X	TSK
CANADA	BAS IN	BB148	76	18.85	148	17.28	75	6	12	23	200	X	X	X	TSK
CANADA	BAS IN	BB149	76	18.70	148	19.57	75	6	13	6	190	X	X	X	TSK
CANADA	BAS IN	BB150	76	18.50	148	22.00	75	6	13	17	189	X	X	X	TSK
CANADA	BAS IN	BB151	76	18.79	148	23.69	75	6	14	6	161	X	X	X	TSK
CANADA	BAS IN	BB152	76	18.83	148	23.78	75	6	14	7	*	X	X	X	TSK
CANADA	BAS IN	BB153	76	19.46	148	24.02	75	6	14	17	149	X	X	X	TSK
CANADA	BAS IN	BB154	76	19.71	148	24.21	75	6	14	19	145	X	X	X	TSK
CANADA	BAS IN	BB155	76	19.95	148	24.24	75	6	14	21	150	X	X	X	TSK
CANADA	BAS IN	BB156	76	20.21	148	24.44	75	6	14	23	166	X	X	X	TSK
CANADA	BAS IN	BB157	76	20.43	148	23.99	75	6	15	2	176	X	X	X	TSK
CANADA	BAS IN	BB158	76	20.59	148	24.80	75	6	15	5	174	X	X	X	TSK
CANADA	BAS IN	BB159	76	20.70	148	25.27	75	6	15	6	174	X	X	X	TSK
CANADA	BAS IN	BB160	76	20.79	148	25.85	75	6	15	8	172	X	X	X	TSK
CANADA	BAS IN	BB161	76	20.85	148	26.20	75	6	15	10	171	X	X	X	TSK
CANADA	BAS IN	BB162	76	20.87	148	26.81	75	6	15	12	167	X	X	X	TSK
CANADA	BAS IN	BB163	76	20.85	148	27.79	75	6	15	14	160	X	X	X	TSK
CANADA	BAS IN	BB164	76	20.83	148	28.62	75	6	15	15	158	X	X	X	TSK
CANADA	BAS IN	BB165	76	20.80	148	30.37	75	6	15	17	161	X	X	X	TSK
CANADA	BAS IN	BB166	76	20.84	148	35.78	75	6	16	5	200	X	X	X	TSK
CANADA	BAS IN	BB167	76	20.82	148	35.88	75	6	16	6	*	X	X	X	TSK
CANADA	BAS IN	BB168	76	22.49	148	43.41	75	6	17	6	171	X	X	X	TSK
CANADA	BAS IN	BB169	76	22.71	148	44.36	75	6	17	7	*	X	X	X	TSK
CANADA	BAS IN	BB170	76	24.38	148	52.08	75	6	17	17	200	X	X	X	TSK
CANADA	BAS IN	BB171	76	24.74	149	1.63	75	6	18	5	200	X	X	X	TSK
CANADA	BAS IN	BB172	76	20.23	149	13.76	75	6	19	5	200	X	X	X	TSK
CANADA	BAS IN	BB173	76	20.08	149	14.26	75	6	19	6	*	X	X	X	TSK

CANADA BAS IN	BB174	76	24.56	149	29.44	75	6	25	22	186	X	X	X	TSK
CANADA BAS IN	BB175	76	24.39	149	24.09	75	6	26	5	200	X	X	X	TSK
CANADA BAS IN	BB176	76	24.91	149	21.44	75	6	26	18	200	X	X	X	TSK
CANADA BAS IN	BB177	76	26.71	149	27.76	75	6	27	8	200	X	X	X	TSK
CANADA BAS IN	BB178	76	26.92	149	25.48	75	6	27	15	189	X	X	X	TSK
CANADA BAS IN	BB179	76	26.81	149	20.48	75	6	27	23	190	X	X	X	TSK
CANADA BAS IN	BB180	76	27.24	149	19.32	75	6	28	2	*	X	X	X	TSK
CANADA BAS IN	BB181	76	27.89	149	18.70	75	6	28	5	190	X	X	X	TSK
CANADA BAS IN	BB182	76	27.99	149	18.20	75	6	28	6	*	X	X	X	TSK
CANADA BAS IN	BB183	76	28.20	149	10.80	75	6	28	16	190	X	X	X	TSK
CANADA BAS IN	BB184	76	27.06	149	3.33	75	6	28	23	188	X	X	X	TSK
CANADA BAS IN	BB185	76	26.35	148	57.55	75	6	29	5	190	X	X	X	TSK
CANADA BAS IN	BB186	76	26.12	148	50.41	75	6	29	15	188	X	X	X	TSK
CANADA BAS IN	BB187	76	28.54	148	43.62	75	6	30	5	200	X	X	X	TSK
CANADA BAS IN	BB188	76	33.09	148	41.99	75	6	30	23	200	X	X	X	TSK
CANADA BAS IN	BB189	76	33.17	148	41.63	75	7	1		*	X	X	X	TSK
CANADA BAS IN	BB190	76	33.41	148	37.80	75	7	1	5	187	X	X	X	TSK
CANADA BAS IN	BB191	76	32.71	148	30.62	75	7	1	16	188	X	X	X	TSK
CANADA BAS IN	BB192	76	32.15	148	25.99	75	7	2		200	X	X	X	TSK
CANADA BAS IN	BB193	76	32.35	148	24.42	75	7	2	5	200	X	X	X	TSK
CANADA BAS IN	BB194	76	32.31	148	24.21	75	7	2	6	*	X	X	X	TSK
CANADA BAS IN	BB195	76	32.25	148	25.01	75	7	2	16	200	X	X	X	TSK
CANADA BAS IN	BB196	76	31.82	148	19.50	75	7	2	22	188	X	X	X	TSK
CANADA BAS IN	BB197	76	32.34	148	11.35	75	7	3	5	182	X	X	X	TSK
CANADA BAS IN	BB198	76	32.51	148	6.77	75	7	3	8	185	X	X	X	TSK
CANADA BAS IN	BB199	76	32.51	148	4.53	75	7	3	10	188	X	X	X	TSK
CANADA BAS IN	BB200	76	32.53	148	2.18	75	7	3	12	188	X	X	X	TSK
CANADA BAS IN	BB201	76	33.53	147	54.05	75	7	3	18	184	X	X	X	TSK
CANADA BAS IN	BB202	76	33.83	147	44.38	75	7	4	4	188	X	X	X	TSK
CANADA BAS IN	BB203	76	31.74	147	39.40	75	7	4	13	189	X	X	X	TSK
CANADA BAS IN	BB204	76	30.15	147	27.62	75	7	5		188	X	X	X	TSK
CANADA BAS IN	BB205	76	29.94	147	25.91	75	7	5	3	188	X	X	X	TSK
CANADA BAS IN	BB206	76	29.14	147	19.99	75	7	5	9	40	X	X	X	TSK
CANADA BAS IN	BB207	76	28.56	147	18.75	75	7	5	11	40	X	X	X	TSK
CANADA BAS IN	BB208	76	27.91	147	18.39	75	7	5	13	40	X	X	X	TSK
CANADA BAS IN	BB209	76	27.42	147	17.39	75	7	5	15	40	X	X	X	TSK
CANADA BAS IN	BB210	76	26.98	147	15.37	75	7	5	17	184	X	X	X	TSK
CANADA BAS IN	BB211	76	25.56	147	9.74	75	7	5	21	40	X	X	X	TSK
CANADA BAS IN	BB212	76	24.10	147	1.29	75	7	6	3	200	X	X	X	TSK
CANADA BAS IN	BB213	76	23.46	146	57.43	75	7	6	5	200	X	X	X	TSK
CANADA BAS IN	BB214	76	22.58	146	53.29	75	7	6	9	200	X	X	X	TSK
CANADA BAS IN	BB215	76	22.34	146	51.76	75	7	6	11	200	X	X	X	TSK
CANADA BAS IN	BB216	76	23.57	146	46.08	75	7	7		200	X	X	X	TSK
CANADA BAS IN	BB217	76	24.71	146	35.99	75	7	7	9	200	X	X	X	TSK
CANADA BAS IN	BB218	76	24.65	146	33.58	75	7	7	11	200	X	X	X	TSK
CANADA BAS IN	BB219	76	24.66	146	30.76	75	7	7	13	200	X	X	X	TSK
CANADA BAS IN	BB220	76	24.28	146	24.37	75	7	7	16	166	X	X	X	TSK
CANADA BAS IN	BB221	76	23.61	146	19.63	75	7	7	19	174	X	X	X	TSK
CANADA BAS IN	BB222	76	21.86	146	15.13	75	7	8	1	188	X	X	X	TSK
CANADA BAS IN	BB223	76	21.64	146	14.05	75	7	8	4	200	X	X	X	TSK
CANADA BAS IN	BB224	76	21.59	146	13.70	75	7	8	4	200	X	X	X	TSK
CANADA BAS IN	BB225	76	20.89	146	6.03	75	7	9	5	190	X	X	X	TSK
CANADA BAS IN	BB226	76	23.17	146	0.43	75	7	9	16	187	X	X	X	TSK
CANADA BAS IN	BB227	76	24.29	145	52.54	75	7	9	22	178	X	X	X	TSK
CANADA BAS IN	BB228	76	23.41	145	40.09	75	7	10	3	200	X	X	X	TSK
CANADA BAS IN	BB229	76	23.23	145	38.56	75	7	10	4	200	X	X	X	TSK
CANADA BAS IN	BB230	76	22.88	145	36.24	75	7	10	5	164	X	X	X	TSK
CANADA BAS IN	BB231	76	20.66	145	22.06	75	7	10	15	186	X	X	X	TSK
CANADA BAS IN	BB232	76	19.77	145	18.38	75	7	10	21	200	X	X	X	TSK
CANADA BAS IN	BB233	76	18.60	145	6.13	75	7	12	7	200	X	X	X	TSK
CANADA BAS IN	BB234	76	19.29	145	6.41	75	7	12	15	200	X	X	X	TSK
CANADA BAS IN	BB235	76	19.83	145	8.81	75	7	12	23	200	X	X	X	TSK
CANADA BAS IN	BB236	76	20.25	145	9.75	75	7	13	5	200	X	X	X	TSK
CANADA BAS IN	BB237	76	20.93	145	11.75	75	7	13	16	200	X	X	X	TSK
CANADA BAS IN	BB238	76	21.22	145	11.26	75	7	13	23	200	X	X	X	TSK
CANADA BAS IN	BB239	76	21.28	145	11.05	75	7	14	5	200	X	X	X	TSK
CANADA BAS IN	BB240	76	21.02	145	10.01	75	7	14	16	200	X	X	X	TSK
CANADA BAS IN	BB241	76	20.60	145	10.37	75	7	14	23	200	X	X	X	TSK
CANADA BAS IN	BB242	76	19.39	145	13.95	75	7	15	16	191	X	X	X	TSK
CANADA BAS IN	BB243	76	18.68	145	15.11	75	7	15	22	200	X	X	X	TSK
CANADA BAS IN	BB244	76	17.28	145	12.95	75	7	16	5	190	X	X	X	TSK
CANADA BAS IN	BB245	76	17.11	145	12.86	75	7	16	6	*	X	X	X	TSK
CANADA BAS IN	BB246	76	13.75	145	8.55	75	7	16	19	142	X	X	X	TSK
CANADA BAS IN	BB247	76	13.05	145	8.73	75	7	16	22	190	X	X	X	TSK
CANADA BAS IN	BB248	76	12.92	145	8.56	75	7	16	23	*	X	X	X	TSK
CANADA BAS IN	BB249	76	12.54	145	7.88	75	7	17	1	100	X	X	X	TSK
CANADA BAS IN	BB250	76	11.80	145	7.34	75	7	17	5	191	X	X	X	TSK
CANADA BAS IN	BB251	76	10.81	145	4.34	75	7	17	15	190	X	X	X	TSK
CANADA BAS IN	BB252	76	10.08	145	2.89	75	7	17	22	191	X	X	X	TSK
CANADA BAS IN	BB253	76	9.37	145	0.79	75	7	18	5	190	X	X	X	TSK
CANADA BAS IN	BB254	76	7.76	144	59.74	75	7	18	15	188	X	X	X	TSK
CANADA BAS IN	BB255	76	5.61	144	58.52	75	7	18	22	188	X	X	X	TSK
CANADA BAS IN	BB256	76	3.93	144	58.76	75	7	19	5	187	X	X	X	TSK



CANADA BAS IN	BB257	76	3.71	144	58.89	75	7	19	6	*	X	X	X	TSK
CANADA BAS IN	BB258	76	0.64	145	0.63	75	7	19	23	200	X	X	X	TSK
CANADA BAS IN	BB259	75	59.75	144	59.30	75	7	20	5	190	X	X	X	TSK
CANADA BAS IN	BB260	75	59.60	144	59.47	75	7	20	6	*	X	X	X	TSK
CANADA BAS IN	BB261	75	57.95	144	56.73	75	7	20	15	200	X	X	X	TSK
CANADA BAS IN	BB262	75	55.16	144	53.73	75	7	20	22	200	X	X	X	TSK
CANADA BAS IN	BB263	75	52.87	144	54.36	75	7	21	5	200	X	X	X	TSK
CANADA BAS IN	BB264	75	50.03	144	58.17	75	7	21	16	200	X	X	X	TSK
CANADA BAS IN	BB265	75	48.21	144	59.51	75	7	21	22	200	X	X	X	TSK
CANADA BAS IN	BB266	75	46.78	145	0.55	75	7	22	5	200	X	X	X	TSK
CANADA BAS IN	BB267	75	44.87	145	2.53	75	7	22	15	185	X	X	X	TSK
CANADA BAS IN	BB268	75	43.72	145	4.04	75	7	22	22	186	X	X	X	TSK
CANADA BAS IN	BB269	75	43.14	145	6.13	75	7	23	5	186	X	X	X	TSK
CANADA BAS IN	BB270	75	42.50	145	8.49	75	7	23	15	200	X	X	X	TSK
CANADA BAS IN	BB271	75	41.62	145	9.11	75	7	24	5	200	X	X	X	TSK
CANADA BAS IN	BB272	75	41.63	145	10.71	75	7	24	15	200	X	X	X	TSK
CANADA BAS IN	BB273	75	41.52	145	16.78	75	7	25	5	186	X	X	X	TSK
CANADA BAS IN	BB274	75	40.79	145	26.44	75	7	25	22	186	X	X	X	TSK
CANADA BAS IN	BB275	75	39.80	145	28.76	75	7	26	5	190	X	X	X	TSK
CANADA BAS IN	BB276	75	37.92	145	28.56	75	7	26	16	192	X	X	X	TSK
CANADA BAS IN	BB277	75	35.49	145	23.71	75	7	27	5	200	X	X	X	TSK
CANADA BAS IN	BB278	75	34.12	145	20.65	75	7	27	16	191	X	X	X	TSK
CANADA BAS IN	BB279	75	31.13	145	14.96	75	7	28	15	200	X	X	X	TSK
CANADA BAS IN	BB280	75	26.91	144	50.09	75	7	29	16	180	X	X	X	TSK
CANADA BAS IN	BB281	75	19.04	144	32.75	75	7	30	15	183	X	X	X	TSK
CANADA BAS IN	BB282	75	13.08	144	11.64	75	7	31	16	161	X	X	X	TSK
CANADA BAS IN	BB283	75	10.47	143	58.36	75	8	1	5	137	X	X	X	TSK
CANADA BAS IN	BB284	75	8.19	143	50.31	75	8	1	16	182	X	X	X	TSK
CANADA BAS IN	BB285	75	5.64	143	43.99	75	8	2	5	190	X	X	X	TSK
CANADA BAS IN	BB286	75	4.47	143	39.88	75	8	2	16	191	X	X	X	TSK
CANADA BAS IN	BB287	75	2.67	143	33.49	75	8	3	5	190	X	X	X	TSK
CANADA BAS IN	BB288	75	2.13	143	29.06	75	8	3	16	187	X	X	X	TSK
CANADA BAS IN	BB289	75	2.10	143	28.77	75	8	3	17	*	X	X	X	TSK
CANADA BAS IN	BB290	75	1.09	143	21.03	75	8	4	5	188	X	X	X	TSK
CANADA BAS IN	BB291	75	1.53	143	15.05	75	8	4	16	182	X	X	X	TSK
CANADA BAS IN	BB292	75	3.65	142	57.08	75	8	5	5	200	X	X	X	TSK
CANADA BAS IN	BB293	75	4.16	142	47.78	75	8	5	16	200	X	X	X	TSK
CANADA BAS IN	BB294	75	3.97	142	47.41	75	8	5	17	*	X	X	X	TSK
CANADA BAS IN	BB295	75	1.81	142	44.52	75	8	6	5	190	X	X	X	TSK
CANADA BAS IN	BB296	75	1.70	142	44.19	75	8	6	5	*	X	X	X	TSK
CANADA BAS IN	BB297	74	59.11	142	36.52	75	8	7	16	190	X	X	X	TSK
CANADA BAS IN	BB298	74	59.06	142	36.22	75	8	7	17	93	X	X	X	TSK
CANADA BAS IN	BB299	74	59.05	142	36.15	75	8	7	17	*	X	X	X	TSK
CANADA BAS IN	BB300	74	58.59	142	33.02	75	8	8	4	190	X	X	X	TSK
CANADA BAS IN	BB301	74	58.62	142	32.65	75	8	8	5	*	X	X	X	TSK
CANADA BAS IN	BB302	74	58.82	142	26.28	75	8	8	16	200	X	X	X	TSK
CANADA BAS IN	BB303	74	59.14	142	19.02	75	8	8	22	174	X	X	X	TSK
CANADA BAS IN	BB304	74	57.66	142	2.03	75	8	9	5	127	X	X	X	TSK
CANADA BAS IN	BB305	74	55.55	142	1.06	75	8	9	10	188	X	X	X	TSK
CANADA BAS IN	BB306	74	55.77	141	59.93	75	8	9	12	186	X	X	X	TSK
CANADA BAS IN	BB307	74	56.20	141	55.64	75	8	9	14	129	X	X	X	TSK
CANADA BAS IN	BB308	74	55.82	141	49.42	75	8	9	16	123	X	X	X	TSK
CANADA BAS IN	BB309	74	53.97	141	41.49	75	8	9	22	183	X	X	X	TSK
CANADA BAS IN	BB310	74	53.82	141	41.06	75	8	10		177	X	X	X	TSK
CANADA BAS IN	BB311	74	53.63	141	39.49	75	8	10	2	148	X	X	X	TSK
CANADA BAS IN	BB312	74	52.44	141	34.77	75	8	10	5	133	X	X	X	TSK
CANADA BAS IN	BB313	74	50.17	141	31.41	75	8	10	8	164	X	X	X	TSK
CANADA BAS IN	BB314	74	48.96	141	32.84	75	8	10	11	200	X	X	X	TSK
CANADA BAS IN	BB315	74	46.43	141	25.43	75	8	10	23	178	X	X	X	TSK
CANADA BAS IN	BB316	74	46.22	141	23.02	75	8	11	5	184	X	X	X	TSK
CANADA BAS IN	BB317	74	44.05	141	18.31	75	8	11	16	177	X	X	X	TSK
CANADA BAS IN	BB318	74	41.92	141	7.51	75	8	12	5	188	X	X	X	TSK
CANADA BAS IN	BB319	74	41.94	141	6.66	75	8	12	5	188	X	X	X	TSK
CANADA BAS IN	BB320	74	41.81	141	4.40	75	8	12	7	*	X	X	X	TSK
CANADA BAS IN	BB321	74	40.56	140	57.47	75	8	12	17	188	X	X	X	TSK
CANADA BAS IN	BB322	74	40.61	140	56.66	75	8	12	17	*	X	X	X	TSK
CANADA BAS IN	BB323	74	40.99	140	49.98	75	8	13	5	200	X	X	X	TSK
CANADA BAS IN	BB324	74	43.51	140	44.75	75	8	13	16	154	X	X	X	TSK
CANADA BAS IN	BB325	74	43.22	140	26.81	75	8	14	5	182	X	X	X	TSK
CANADA BAS IN	BB326	74	41.38	140	17.31	75	8	14	16	200	X	X	X	TSK
CANADA BAS IN	BB327	74	41.62	140	12.89	75	8	15	6	190	X	X	X	TSK
CANADA BAS IN	BB328	74	42.77	140	14.93	75	8	15	16	190	X	X	X	TSK
CANADA BAS IN	BB329	74	43.73	140	14.15	75	8	16	5	190	X	X	X	TSK
CANADA BAS IN	BB330	74	43.99	140	13.33	75	8	16	16	191	X	X	X	TSK
CANADA BAS IN	BB331	74	41.63	140	16.91	75	8	17	5	184	X	X	X	TSK
CANADA BAS IN	BB332	74	40.09	140	24.04	75	8	17	17	189	X	X	X	TSK
CANADA BAS IN	BB333	74	39.60	140	29.42	75	8	18	5	176	X	X	X	TSK
CANADA BAS IN	BB334	74	39.18	140	32.28	75	8	18	16	190	X	X	X	TSK
CANADA BAS IN	BB335	74	38.83	140	41.66	75	8	19	5	200	X	X	X	TSK
CANADA BAS IN	BB336	74	38.82	140	47.65	75	8	19	16	190	X	X	X	TSK
CANADA BAS IN	BB337	74	39.90	141	1.59	75	8	20	5	190	X	X	X	TSK
CANADA BAS IN	BB338	74	40.18	141	13.70	75	8	20	16	190	X	X	X	TSK
CANADA BAS IN	BB339	74	40.43	141	23.45	75	8	21	5	195	X	X	X	TSK



CANADA	BAS IN	BB340	74	40.35	141	26.39	75	8	21	16	188	X	X	X	TSK
CANADA	BAS IN	BB341	74	38.77	141	25.65	75	8	22	5	189	X	X	X	TSK
CANADA	BAS IN	BB342	74	37.47	141	22.59	75	8	22	16	188	X	X	X	TSK
CANADA	BAS IN	BB343	74	35.11	141	16.75	75	8	23	5	187	X	X	X	TSK
CANADA	BAS IN	BB344	74	32.82	141	13.27	75	8	23	16	187	X	X	X	TSK
CANADA	BAS IN	BB345	74	31.63	141	11.58	75	8	24	5	188	X	X	X	TSK
CANADA	BAS IN	BB346	74	31.34	141	9.14	75	8	24	17	188	X	X	X	TSK
CANADA	BAS IN	BB347	74	30.70	140	49.28	75	8	25	16	200	X	X	X	TSK
CANADA	BAS IN	BB348	74	30.71	140	48.80	75	8	25	17	200	X	X	X	TSK
CANADA	BAS IN	BB349	74	33.44	140	43.34	75	8	26	17	188	X	X	X	TSK
CANADA	BAS IN	BB350	74	25.20	140	3.64	75	8	28	6	180	X	X	X	TSK
CANADA	BAS IN	BB351	74	21.59	139	50.35	75	8	28	16	189	X	X	X	TSK
CANADA	BAS IN	BB352	74	22.86	139	42.25	75	8	29	5	169	X	X	X	TSK
CANADA	BAS IN	BB353	74	18.91	139	34.91	75	8	29	19	190	X	X	X	TSK
CANADA	BAS IN	BB354	74	15.82	139	29.37	75	8	30	5	183	X	X	X	TSK
CANADA	BAS IN	BB355	74	13.43	139	27.05	75	8	30	17	157	X	X	X	TSK
CANADA	BAS IN	BB356	74	11.72	139	26.30	75	8	31	5	170	X	X	X	TSK
CANADA	BAS IN	BB357	74	10.17	139	25.27	75	8	31	17	138	X	X	X	TSK
CANADA	BAS IN	BB358	74	9.73	139	26.54	75	8	31	19	180	X	X	X	TSK
CANADA	BAS IN	BB359	74	9.64	139	25.95	75	8	31	22	182	X	X	X	TSK
CANADA	BAS IN	BB360	74	9.23	139	21.94	75	9	1	1	128	X	X	X	TSK
CANADA	BAS IN	BB361	74	8.18	139	18.37	75	9	1	4	131	X	X	X	TSK
CANADA	BAS IN	BB362	74	7.15	139	17.09	75	9	1	7	200	X	X	X	TSK
CANADA	BAS IN	BB363	74	6.51	139	15.85	75	9	1	10	169	X	X	X	TSK
CANADA	BAS IN	BB364	74	5.79	139	12.88	75	9	1	13	148	X	X	X	TSK
CANADA	BAS IN	BB365	74	4.66	139	9.13	75	9	1	17	166	X	X	X	TSK
CANADA	BAS IN	BB366	74	3.81	139	7.81	75	9	1	19	183	X	X	X	TSK
CANADA	BAS IN	BB367	74	3.08	139	7.34	75	9	1	22	189	X	X	X	TSK
CANADA	BAS IN	BB368	74	2.11	139	5.78	75	9	2	4	187	X	X	X	TSK
CANADA	BAS IN	BB369	74	1.59	139	6.21	75	9	2	7	189	X	X	X	TSK
CANADA	BAS IN	BB370	74	1.08	139	8.00	75	9	2	13	189	X	X	X	TSK
CANADA	BAS IN	BB371	74	0.86	139	7.91	75	9	2	16	189	X	X	X	TSK
CANADA	BAS IN	BB372	74	0.37	139	9.07	75	9	2	22	189	X	X	X	TSK
CANADA	BAS IN	BB373	74	0.56	139	10.46	75	9	3	17	190	X	X	X	TSK
CANADA	BAS IN	BB374	74	1.35	139	4.85	75	9	4	17	189	X	X	X	TSK
CANADA	BAS IN	BB375	74	2.23	139	5.65	75	9	5	5	189	X	X	X	TSK
CANADA	BAS IN	BB376	73	59.66	139	4.08	75	9	5	16	190	X	X	X	TSK
CANADA	BAS IN	BB377	73	58.77	139	8.55	75	9	6	5	200	X	X	X	TSK
CANADA	BAS IN	BB378	73	58.51	139	15.27	75	9	6	17	200	X	X	X	TSK
CANADA	BAS IN	BB379	73	57.82	139	20.98	75	9	7	5	200	X	X	X	TSK
CANADA	BAS IN	BB380	73	57.33	139	22.48	75	9	7	17	200	X	X	X	TSK
CANADA	BAS IN	BB381	73	56.34	139	18.03	75	9	8	5	187	X	X	X	TSK
CANADA	BAS IN	BB382	73	55.47	139	7.10	75	9	8	17	184	X	X	X	TSK
CANADA	BAS IN	BB383	73	55.01	138	23.02	75	9	10	5	186	X	X	X	TSK
CANADA	BAS IN	BB384	73	53.64	138	13.15	75	9	10	17	188	X	X	X	TSK
CANADA	BAS IN	BB385	73	53.44	138	4.04	75	9	11	5	188	X	X	X	TSK
CANADA	BAS IN	BB386	73	54.23	137	52.56	75	9	11	18	188	X	X	X	TSK
CANADA	BAS IN	BB387	73	53.53	137	43.58	75	9	12	5	200	X	X	X	TSK
CANADA	BAS IN	BB388	73	54.17	137	33.38	75	9	12	16	189	X	X	X	TSK
CANADA	BAS IN	BB389	73	54.96	137	17.94	75	9	13	5	188	X	X	X	TSK
CANADA	BAS IN	BB390	73	53.52	137	14.26	75	9	13	17	188	X	X	X	TSK
CANADA	BAS IN	BB391	73	53.00	137	9.47	75	9	14	5	188	X	X	X	TSK
CANADA	BAS IN	BB392	73	51.84	137	0.68	75	9	14	17	187	X	X	X	TSK
CANADA	BAS IN	BB393	73	51.00	137	6.10	75	9	15	5	187	X	X	X	TSK
CANADA	BAS IN	BB394	73	51.63	137	11.42	75	9	15	17	189	X	X	X	TSK
CANADA	BAS IN	BB395	73	52.65	137	17.09	75	9	16	5	188	X	X	X	TSK
CANADA	BAS IN	BB396	73	53.25	137	20.60	75	9	16	17	188	X	X	X	TSK
CANADA	BAS IN	BB397	73	54.03	137	23.99	75	9	17	5	200	X	X	X	TSK
CANADA	BAS IN	BB398	73	55.69	137	24.68	75	9	17	18	187	X	X	X	TSK
CANADA	BAS IN	BB399	73	58.69	137	19.71	75	9	18	5	184	X	X	X	TSK
CANADA	BAS IN	BB400	73	58.17	137	18.04	75	9	18	17	188	X	X	X	TSK
CANADA	BAS IN	BB401	73	56.12	137	25.04	75	9	19	5	188	X	X	X	TSK
CANADA	BAS IN	BB402	73	54.92	137	30.58	75	9	19	12	189	X	X	X	TSK
CANADA	BAS IN	BB403	73	53.82	137	41.72	75	9	20	5	188	X	X	X	TSK
CANADA	BAS IN	BB404	73	51.84	137	38.93	75	9	20	17	185	X	X	X	TSK
CANADA	BAS IN	BB405	73	52.51	137	29.35	75	9	21	5	172	X	X	X	TSK
CANADA	BAS IN	BB406	73	51.82	137	7.12	75	9	21	18	173	X	X	X	TSK
CANADA	BAS IN	BB407	73	49.35	136	52.75	75	9	22	5	200	X	X	X	TSK
CANADA	BAS IN	BB408	73	48.33	136	47.72	75	9	22	18	190	X	X	X	TSK
CANADA	BAS IN	BB409	73	47.50	136	53.43	75	9	23	4	166	X	X	X	TSK
CANADA	BAS IN	BB410	73	45.99	137	3.62	75	9	23	17	186	X	X	X	TSK
CANADA	BAS IN	BB411	73	43.99	137	0.89	75	9	24	5	195	X	X	X	TSK
CANADA	BAS IN	BB412	73	41.38	136	47.42	75	9	24	18	186	X	X	X	TSK
CANADA	BAS IN	BB413	73	38.40	136	35.53	75	9	25	5	194	X	X	X	TSK
CANADA	BAS IN	BB414	73	35.57	136	36.96	75	9	25	18	186	X	X	X	TSK
CANADA	BAS IN	BB415	73	33.09	136	38.49	75	9	26	5	192	X	X	X	TSK
CANADA	BAS IN	BB416	73	31.46	136	36.01	75	9	26	19	193	X	X	X	TSK
CANADA	BAS IN	BB417	73	29.84	136	28.79	75	9	27	18	192	X	X	X	TSK
CANADA	BAS IN	BB418	73	30.94	136	31.74	75	9	28	4	200	X	X	X	TSK
CANADA	BAS IN	BB419	73	28.83	136	24.02	75	9	28	17	200	X	X	X	TSK
CANADA	BAS IN	BB420	73	28.48	136	24.41	75	9	29	4	200	X	X	X	TSK
CANADA	BAS IN	BB421	73	28.44	136	24.52	75	9	29	17	200	X	X	X	TSK
CANADA	BAS IN	BB422	73	29.01	136	25.16	75	9	30	5	200	X	X	X	TSK

CANADA BASIN	BB423	73	30.38	136	34.61	75	9	30	17	200	X	X	X	TSK
CANADA BASIN	BB424	73	30.51	136	36.11	75	9	30	18	194	X	X	X	TSK
CANADA BASIN	BB425	73	31.31	136	44.55	75	10	1	5	188	X	X	X	TSK

## 12. INACCESSIBLE DATA SETS

### 12.1 OCEANOGRAPHIC DATA COLLECTED USING SUBMARINES

As early as 1931, when the Nautilus attempted to enter the Arctic Ocean, submarines have been used to make oceanographic observations in Arctic waters. In the 1940's, new sonar techniques allowed submarines to operate safely under the polar ice. LaFond (1960) and Lyon (1961, 1963, 1984) summarized the early U.S. Navy operations in the Arctic Ocean. At least two submarines (USS Skate 1958/59/62; USS Seadragon 1960/62) are known to have passed through the area of this data inventory and no doubt there were many more. Birch et al. (1984) identified at least five data sets in the Canada Basin region, obtained using submarines. Unfortunately most of the oceanographic data collected using these vessels is confidential.

This section has been included mainly to alert the reader to the existence of these data, even though they are not available at present.

### 12.2 SOVIET OCEANOGRAPHIC STUDIES

Soviet oceanographic data collection within the Arctic Ocean falls into two main categories. First are the drifting ice islands which were first used in 1937. Since 1954 operations have been continuous in that at least one ice island has been occupied at all times. The only Soviet ice island known to have entered the bounds of this inventory was NP-22 in 1978. Although it is unclear whether or not oceanographic data were collected at this time, the trajectory is shown on the 1978 map. Data were collected from this ice island, just north of this inventory's boundaries (data set 73-0034, refer to Birch et al. 1984).

The second major method of Soviet arctic data collection is through the use of aircraft. In 1948, the Soviet-Air-Union Arctic Institute (VAI) began using aircraft to land on the ice and to make observations. These expeditions, lasting about six weeks each spring, and often for a shorter period during the fall, are termed the Sever (North)-series. Timofeyev (1960) lists many of the early Sever-series station locations. Only one (spring 1956, 56-0012) falls within this inventory's boundaries, however there may be other more recent stations.

### 12.3 OIL COMPANY DATA

Oceanographic data collected by some of the oil companies has been difficult to obtain. They are often reluctant to release information until after the confidentiality period has expired. Mr. Spedding at ESSO has been very helpful in supplying information, and Canmar delivers a yearly archival tape containing their data. The Gulf data were more difficult to obtain. Some information was gleaned from reports submitted to COGLA, however in general it was not possible to properly rate or inventory these data. Mr. B.D. Wright at Gulf Canada, Calgary, may be able to provide more information.

## Appendix 1

Comments on methods and data quality, by data set.

**DATA SET 14-0001 Canadian Arctic Expedition**

The Canadian Arctic Expedition (Stefansson 1921) was equipped to measure currents and water level. The December 1914 to January 1915 water-level data are presented by Dawson (1920), data set 14-0002, but no details on current or other data during the April to August 1914 period have been found.

**DATA SET 14-0002 Canadian Arctic Expedition**

Water levels were monitored using a tide scale at Cape Kellett. From December 26 to January 14 and again from January 17 to 21 and 27 to 30, readings were taken every four hours. During January 15 to 16 and January 22 to 26 readings were every 15 minutes. The location was "In bay on south side of the cape, 8 h. 19 m West" (Dawson, 1920). For this inventory, a location of 71°58'N, 125°W has been used.

Water-level data were similarly obtained 20 miles to the north of Cape Kellett, every 15 minutes during January 22 to 26.

**DATA SET 16-0002 Canadian Arctic Expedition**

There was mention of current and hydrographic data being collected during this year of the Canadian Arctic Expedition (Dawson, 1920), however no details have been found.

**DATA SET 33-0004 Canadian Hydrographic Service**

These are the first recorded water-level data from Tuktoyaktuk. No details were available, however Mr. Fred Stephenson of Tides and Currents, Institute of Ocean Sciences may have more information regarding these data.

**DATA SET 35-0001 St. Roche**

T/S data, as well as collections of biological material, were collected by personnel aboard the R.C.M.P. vessel St. Roche while on patrol duty (Tully, 1952). Instruments were supplied by the Pacific Biological Station at Nanaimo. The data and samples were deposited with the Pacific Biological Station in 1938.

**DATA SET 37-0001 St. Roche**

See 35-0001.

**DATA SET 40-0010 St. Roche**

Apparently Larsen of the RCMP, using the vessel St. Roche, made measurements of currents and water level during the summer of 1940. The reference (Larsen, 1945) had not yet been obtained to verify this.

**DATA SET 50-0001 Burton Island**

Details of the measurement methods and accuracies were not given in the report. The entries in Table 1 were made assuming standard practice for the time. 146 bathythermographs and 37 hours of Ekman current observations (not included in the report) were also taken.

**DATA SET 51-0002     Cancolim II**

Estimates of precision and accuracy were not given in the report; entries in Table 1 were made assuming standard practice for the time.

**DATA SET 51-0004     Canadian Hydrographic Service**

Water-level data were obtained during the summers of 1951 (51-0004), 1952 (52-0004) and 1954 (54-0001) at Paulatuk on Darnley Bay, Amundsen Gulf. For further details, contact Mr. Fred Stephenson of Tides and Currents, Institute of Ocean Sciences.

**DATA SET 52-0001     Cancolim II**

Salinity, temperature and oxygen measurements are reported as having been taken using standard oceanographic practice at the time: temperatures were measured using reversing thermometers and bathythermographs, while salinity and oxygen samples were drawn from bottles and titrated on board. Problems encountered with the thiosulphate standard rendered the oxygen data suspect; the requirements of a rapid survey reduced the accuracy of the salinity titrations. The reduced accuracies were responsible for the '1' rating. Numerical estimates of precision and accuracy were not given; probable values are listed in Table 1.

**DATA SET 52-0004     Canadian Hydrographic Service**

The exact dates for stations 6485 and 6525 are unclear. Contact Mr. Fred Stephenson of Tides and Currents, Institute of Ocean Sciences for further details.

**DATA SET 53-0004     Canadian Hydrographic Service**

The record is only 3 days long, and no information as to the exact location or measurement method is given. Therefore it has not been plotted in Section 9 or listed in Section 10.

**DATA SET 54-0001     Labrador**

See 51-0004.

**DATA SET 55-0016     Burton Island**

The data are on file with MEDS and the National Oceanographic Data Centre (NODC), however no documentation regarding methods or data quality has been found.

**DATA SET 56-0004     Canadian Hydrographic Service**

Water-level data were collected at Tuktoyaktuk from June 1956 to September 1957. Further details regarding these data may be obtained from Mr. Fred Stephenson of Tides and Currents, Institute of Ocean Sciences.

**DATA SET 56-0012     Soviet Aircraft Landings**

This station was part of the spring '56 Soviet Sever (North)-Series, a yearly spring and (often) fall operation. No details are available. There may have been more stations not listed in Timofeyev (1960).

**DATA SET 59-0004     Canadian Hydrographic Service**

These water-level data for Tuktoyaktuk span the September 1959 to December 1960 period. For further details, contact Mr. Fred Stephenson of Tides and Currents, Institute of Ocean Sciences. Immediately following these data, a permanent water-level installation was established (61-0002) by which the water level is continuously monitored.

**DATA SET 59-0014 U.S. Aircraft Landings**

Winter temperature/salinity data were required for use in sea-level studies. Between February and May 1958, 22 stations were occupied off Point Barrow (not within this study area). The pattern was expanded during the winter of 1959 (59-0014) and an additional 22 stations were occupied. Apparently only one was within these study boundaries.

Landings on the ice were made using light planes. Nansen bottles and reversing thermometers were used to collect data. Beal (1968a) does not discuss the data or results. Station locations were estimated to the nearest 1 minute latitude and 5 minutes longitude from Figure 7 of Beal (1968a). It was arbitrarily assumed that the winter stations were occupied in March. The actual number of stations may be more than shown here; Beal indicated 22 stations in 1959.

**DATA SET 62-0001 Salvelinus**

Estimates of precision and accuracy shown in Table 1 were assumed from the description of methods in the report.

**DATA SET 62-0003 NRC**

The data taken with the portable salinometer were of low precision. A high number of errors were detected in a computer scan (Cornford et al, 1982) and led to the assignment of a 1 rating.

**DATA SET 63-0002 NRC**

The data taken with the portable salinometers were of low precision (as for set 62-0003). However a low number of errors were found in a computer scan, which allowed the assignment of a 3 rating.

**DATA SET 63-0003 Richardson**

Mr. Fred Stephenson of Tides and Currents, Institute of Ocean Sciences, should be contacted if further details regarding these water-level data are required. The water-level locations are within the Mackenzie Delta, too far south to show up on any of the plotting maps.

**DATA SET 64-0003 Canadian Hydrographic Service**

Some doubts as to the quality of this particular record have been expressed by Canadian Hydrographic Service personnel. It was among those rejected for analysis by Henry and Foreman (1977).

**DATA SET 66-0011 Inuvik Res. Lab.**

Beluga whales, while trapped in the Eskimo Lake, were monitored over the winter of 1966-67. Water temperatures and chloride content were measured using unspecified methods (Hill, 1967). By taste, the surface waters appeared to be fresh.

**DATA SET 69-0017 Arctic Biological Station**

Apparently temperature data were collected, however a copy of the reference (Sergeant and Hoek, 1974) could not be obtained in time to include the data in this inventory.

**DATA SET 70-0001 AIDJEX Pilot Project**

The AIDJEX program involved three pilot studies (1970, 1971 and 1972), a lead experiment off Point Barrow in 1974, and the main experiment of 1975-76.

The 1970 pilot study was in cooperation with the Polar Continental Shelf Project and covered the period March 12 - April 5. Its main camp was within a Canadian hydrographic survey camp (Camp 200) located approximately 240 miles north of Tuktoyaktuk. The camp location was initially 72.5°N, 135°W and ended at 72°N, 144°W.

Temperature and salinity data were collected using Nansen bottles and reversing thermometers. Synoptic hydrographic casts were planned to 500 m at three stations spaced in a triangle with sides of approximately 10, 20 and 30 km. One 3-station and nine 2-station synoptic casts were obtained.

Erratic salinity values of uncertain origin were found during analysis of these data (Coachman and Newton, 1972). The most likely cause was thought to be poor temperature control of the samples in the tents on the ice. Salinity values suspected of being erroneous have been deleted from the DATA SET by its originators.

**Hydrographic Stations**

	<u>C-200</u>	<u>Leo</u>	<u>Aquarius</u>
March 24	1330 1630	1430	1330
March 26	1030 1330 1630	1030 1630	
March 27	1030 1330 1630	1030 1330 1630	
March 29	1030 1330 1630	1030 1330 1630	
March 30	1030 1335	1030	

Braincon meters (models 316 Histogram, 381 Histogram and 573 digital) were suspended beneath the ice at depths of 10, 40, 150 and 500m. The 381 meters experienced clock-drive mechanism failures in water colder than 0°C and the digital meters failed to record direction.

Measurements of boundary-layer currents were obtained using downward-facing masts mounted with three mechanical current meters, developed by J.D. Smith. Masts were deployed at 5 locations down to 17.7 m beneath the ice. The current meter dates and locations we have used are March 12 and the start/stop locations of the ice floe. Dr. H. Melling of IOS has expressed doubts concerning the quality of the data, thus the "1" rating.

**DATA SET 70-0003     Richardson**

These data are believed to be of low precision, but have not been fully investigated as to data quality.

**DATA SET 70-0004     Canadian Hydrographic Service**

There are some inconsistencies in the reported coordinates (Henry and Foreman 1977).

**DATA SET 70-0005     OSI for Imperial Oil Ltd.**

Geodyne Model 102 current meters were moored under the ice for periods of approximately two months. The Geodyne 102 is a rotor and vane type meter. Data were recorded internally on photographic film every 15 minutes. Threshold speed was given as 0.05 knots or 2.5 cm/sec.

Direction of flow was determined using an internal magnetic compass. Direction response tended to be sluggish due to the weak horizontal component of the magnetic field at these latitudes. Many of the speeds were less than the instrument threshold. No actual estimates of the accuracy were provided in the OSI (1970) report. Station coordinates were not provided either. For the purposes of this inventory, they were estimated (to  $\pm 2$  minutes) from a figure in the OSI (1970) report. Actual deployment dates were not stated either, except that they were "installed during the period February 23 to April 7 1970, and recovered during the period April 30 to June 1 1970."

**DATA SET 70-0071     MEDS**

When the oil companies began exploring for hydrocarbons in the Beaufort Sea, the government (MEDS) supplied Waverider buoys for deployment near the drilling vessels. The data were then forwarded to MEDS in Ottawa for analysis. The oil company responsible for the 1970 data was probably either ESSO or Gulf; the data and analysis results are on file at MDS (98-1M). The MEDS summary indicates a 0-50% success rate and a spectral analysis.

The location, as in file 98-1M, of 69°N 139°W, plots on land. Apparently the coordinates have been rounded off to the nearest degree. That same year, OSI deployed some current meters for ESSO (70-0005) near Herschel Island at 69°30'N and 138°40'W. Based on this, we have plotted the 1970 wave data at 69°30'N and 138°40'W.

**DATA SET 71-0002     Canadian Hydrographic Service**

For further information about these water-level data contact Mr. Fred Stephenson, Tides & Currents at Institute of Ocean Sciences.

**DATA SET 71-0003     2nd AIDJEX Pilot Study**

The second AIDJEX pilot study was conducted from Camp 200, operated by the Polar Continental Shelf Project. The interior flow field was studied by personnel from the University of Washington (L.K. Coachman, J.D. Smith and J.L. Newton), and K. Hunkins from Lamont investigated the boundary-layer currents near the water-ice interface.

The University of Washington measurements covered the period from March 16 to April 2, 1971 and consisted of hydrographic casts, current meter measurements, ice-motion measurements and weather observations.



Nasen casts were made at the main and two secondary camps 4 times per day. Reversing thermometers were used and water samples were sent to Seattle for salinity determination. Five current-meter records were obtained between 10 and 400 m depths using Braincon 316 and Aanderaa RCM 4 current meters. The meters were suspended beneath the ice.

The Lamont program involved Savonius-rotor current meters mounted on inverted masts at fixed depths. The fixed meters were at 5, 7, 11 and 19 m on one mast and at 32 and 75 m on the other. Directional reference was through surface orientation. Current profiles were also made by lowering a meter by hand. Temperature profiles were made using a thermistor. Camp location was 74°05'N, 131°23'W on March 18; 73°44'N, 131°08'W on April 7.

#### DATA SET 71-0018A,B Freshwater Institute

The appropriate reference report (Brunskill et al, 1973) could not be obtained in sufficient time for these data to be inventoried. The senior author of that report, Dr. G.J. Brunskill, is with DFO-Winnipeg, phone (204)949-5000.

#### DATA SET 72-0003 Slaney

This was a pollution testing program, part of a larger environmental survey of the Mackenzie Delta area (see also 72-0006 and 72-0007). Nineteen different sites were sampled during March through September, however water samples were obtained at four sites only; 4, 7, 8 and 9. Conductives were measured using a Conductivity Bridge Model RC 16B2. However, the tabulated data (Appendix 6.2-2 of Slaney 1973a) contain no temperature data, so the salinity cannot be computed. This is the reason for the '0' rating. The station locations were estimated from a figure in the report.

#### DATA SET 72-0006 Slaney

This was part of an environmental field program in the Taglu-Richards Island, Mackenzie Delta area, by F.F. Slaney for Imperial Oil Ltd. (See also 72-0003 and 72-0007). Temperature-salinity data were collected along Harry and East channels of the Mackenzie River Delta, using a Sproule Electrolytic conductivity cell (Model EBB/10) and an A.R.A. remote thermistor.

#### DATA SET 72-0007 Slaney

This study was designed to assess the impact of artificial island construction upon east Mackenzie Bay. The survey period extended from early June to mid-September 1972, and is reported in Slaney (1973a).

#### Currents

Twenty-nine current measurements were taken at 18 stations between August 15 - 19. An SK70 Helix meter, made by Hilger and Watts of London, was used to obtain current data near surface and bottom. Direction could only be estimated for surface values, by judging the vane orientation. These data are not plotted.

#### Temperature-Salinity

Temperature-salinity data were obtained on-site using a TDC meter (Martek Instruments Inc., Newport Beach, California). Nearshore estuarine data were collected by a separate crew using an A.R.A. thermistor and a Sproule Electrolytic Conductivity Cell (Model EBB/10).

No estimates are given for data quality (Slaney, 1973a). The rating of '3' indicates the data are probably up to the standards considered normal using these types of instruments.

Data from the nearshore estuarine data (Stations 1-12, August 13-20) are reported in Appendix 3 of Slaney (1973a), without locations, however, and have not been plotted in this inventory.

**DATA SET 72-0012     Freshwater Institute**  
See 71-0018A,B.

**DATA SET 72-0118**

Mann (1974) presents temperature-salinity data from shallow, Yukon coastal stations, collected during a fisheries survey. No details on methods or accuracy are provided. Similar data were also collected in 1973 (73-0023).

**DATA SET 73-0001     Slaney**

Temperatures were measured using a remote thermistor, while conductivities were obtained using a Sproule Electrolytic Conductivity cell (model EBB/10). Current speeds were determined using a SK70 Helix meter while the current directions were estimated using a Chesapeake Bay Institute drag. No estimates of accuracy were provided (Slaney, 1974a).

**DATA SET 73-0004     Canadian Hydrographic Service**

At one site north of Pullen Island, a water-level gauge was deployed by Jim Galloway of UBC. The data are on file at Tides and Currents, IOS. The station 13, offshore site, is part of the Beaufort Sea Project mooring program; see also 74-0005 and 75-0007.

**DATA SET 73-0016     Slaney**

This was a pre-dredging survey of three potential gravel borrow areas in Tuktoyaktuk Harbour. Surface temperature-salinity data were obtained using unspecified (Slaney 1973c) methods. A nominal location (69°25'N, 133°W) has been used for this inventory.

**DATA SET 73-0019     Slaney**

Conductivity values are reported without accompanying temperatures (Slaney, 1974c). Since conductivity is temperature dependent, a '0' rating has been assigned and these stations have not been plotted.

Channel flow measurements were also made and a water level gauge was maintained near the TAGLU G-33 site (estimated location 69°22'N, 134°54'W).

**DATA SET 73-0023     Aquatic Environments Ltd.**

Temperature-salinity data were collected along the Yukon coast as part of a fisheries survey connected to an overall environmental impact assessment program. The summer 1973 survey extended from late June until late September, with sampling every 2 to 3 weeks. The data are presented in Figure 4 and Appendix 5 of Mann (1974). No details regarding methods or accuracies were provided. The BS station is 1/4 mile north of the Stokes Point Lagoon.

Similar data were obtained in Clarence Lagoon in 1972 (72-0118).

**DATA SET 73-0034 Soviet Ice Station NP-22**

This Ice Island was first occupied in September 1973 and by 1976 had moved into the Beaufort Sea Gyre. MEDS has data (MEDS #90NP77022) covering the July 1977 to March 1978 period when the Island was just north of 75° latitude (and not yet within the bounds of this data inventory). Although no data have been found within this study area, the Ice Island did pass through the very northwestern-most portion, and data may exist in the Soviet archives.

**DATA SET 73-0125 Arctic Biological Station**

Temperature-salinity data were collected using a YSI-33, while doing fisheries research in Kugmallit Bay. Station locations were extracted from Figure 1 of Galbraith and Fraser (1974).

**DATA SET 73-0126 Dept. of Environment**

The appropriate report (Jones and Kendel, 1973) was not obtained in time for these data to be included in this inventory.

**DATA SET 74-0001 Slaney**

Current-profile data were obtained using a Savonius rotor HydroProducts meter. These instruments have a magnetic compass for direction determination. A YSI SCT model 33 was used to collect temperature-salinity data. No estimates of accuracy were provided (Slaney 1974a).

**DATA SET 74-0002 Institute of Ocean Sciences**

The current-profile locations have not been plotted but are in the area defined by the temperature-salinity stations.

**DATA SET 74-0003 Slaney**

The temperature-salinity data were obtained using a YSI SCT meter, accurate to  $\pm 0.5^{\circ}\text{C}$  and  $\pm 0.7^{\circ}/\text{oo}$ . Spot current measurements were also made of surface and bottom current, using a HydroProducts model 465A. Surface readings were visually averaged over a one-minute period.

Some water-level readings were obtained at the Langley Base camp using a staff, however no details are provided in Slaney (1975).

**DATA SET 74-0005 Institute of Ocean Sciences**

The directional distributions of the bottom currents are exceptionally narrow; some doubts have been expressed as to their validity.

**DATA SET 74-0007B Arctic Biological Station**

Station 20, the latitude and longitude for which were taken from Hunter and Leach (1983), plots on land.

**DATA SET 74-0009 Slaney**

This is a follow-up of the 1972 (72-0003) and 1973 (73-0019) surveys. The data are primarily temperature measurements (thermistor) of water samples collected within the delta. Current speeds were also measured within some of the channels. No station coordinates were provided (Slaney, 1974d) so these stations have not been plotted in this inventory.

**DATA SET 74-0019 Slaney**

No exact dates for station occupations were given in the report. The latitude/longitude of the drill sites have been used as nominal profiling current meter locations. No calibration or precision information was provided.

**DATA SET 74-0020 Freshwater Institute**

No exact station locations were given, nor were water depths or some sampling depths. Some salinities reports only as >1. Some conductivities were reported without temperatures, resulting in the '1' rating.

**DATA SET 74-0021 Dept. of Environment**

No exact dates for station occupations were given in the report. No calibration or precision information was given for the instrument used. The precision in Table 1 has been assumed from manufacturer's specifications.

**DATA SET 74-0022 Aquatic Environments Ltd.**

The data appear to be from near-surface samples. No estimates of accuracy are provided.

**DATA SET 74-0027A Dickins, Arctic Laboratories, NORCOR**

This was a study of the interaction of crude oil with Arctic sea ice, as part of the Beaufort Sea Project. Mr. D.F. Dickins was resident engineer. In August 1974 a camp was established at Balaena Bay and oil was injected under the ice during several tests between October 1974 and May 1975.

Water temperature and salinity were monitored between August 1974 and July 1975 using Van Dorn water samplers. Salinities were determined using an American Optical Refractometer and a Yellow Springs Instrument Co. model 33 meter (accuracy about  $\pm 1.0^{\circ}/\text{oo}$ ). Temperatures were monitored using Yellow Springs Instruments thermistors ( $\pm .05^{\circ}\text{C}$ ).

Exact dates and locations of measurements were not supplied in Norcor (1975), therefore nominal monthly stations at  $70^{\circ}02'\text{N}$ ,  $124^{\circ}54'\text{W}$  have been used in this inventory.

**DATA SET 74-0027B CCIW/Beaufort Sea Project**

Beaufort Sea Project G2b was conducted from the field camp established by Norcor (74-0027A). The study addressed the problem of light intensity under sea ice containing oil (Adams, 1974). A Hydrolab multiparameter unit used a thermistor to measure temperature and a four electrode conductivity sensor. It appears that vertical profiles, and possibly near-bottom time-series, of temperature-salinity were obtained, although this is not clear from the report. For the purposes of this report a normal location ( $70^{\circ}02'\text{N}$ ,  $124^{\circ}54'\text{W}$ ) and date (September 10) have been plotted and listed.

**DATA SET 74-0126 MEDS**

This relatively short Waverider record was analysed at MEDS. Spectral analyses were performed and the summary indicates a 50-80% success rate.

**DATA SET 75-0001     Institute of Ocean Sciences**

The authors of the data report state that temperatures measured by the Hydrolabs were frequently below the freezing point of seawater and that results from that instrument should be regarded as qualitative rather than quantitative. The comments above do not apply to the remainder of this data set. The current profile location has not been plotted or listed in this inventory.

**DATA SET 75-0004     Slaney**

The current data are from profiles using a surface-readout HydroProducts 465A, between July 10 and August 20, 1975.

**DATA SET 75-0005     AIDJEX Main Experiment****A.     CTD Data/Bauer et al. (1980a, b, c, and d)**

At four ice camps, 1391 CTD casts were made during the main AIDJEX experiment from April 1975 to April 1976. Casts were made at least once a day from 0 to 750 m at all camps and weekly casts to 3000 m were made at the main camp. Severe ice activity caused abandonment of the main camp (Big Bear) during October 1975. Between casts, time series were recorded at fixed depths in the pycnocline; these data are still being processed (Manley, personal communication).

Plessey 9040 STD's were used, except at the Caribou camp, where the STD sensor was replaced by a CTD 9040 sensor in January 1976. The data were corrected for the different response times of the temperature and conductivity sensors, by varying a lag correction until one value gave nearly congruent traces for descending and ascending casts.

A salinity drift occurred when the STD was stopped for bottle samples. This was corrected in an unspecified manner. Static calibration was provided using bottle samples and reversing thermometers. At the satellite camps, generally 2 bottles were taken with each cast. At the main camp, a rosette sampler allowed up to 10 bottles per station; the average being 4. Salinities were determined at the main camp using a Guildline Autosol salinometer, except over the summer of 1975 when a backup Hytech salinometer was used. Differences between bottle data and CTD were typically  $\pm 0.001$  to  $\pm 0.047$ ‰ of and  $\pm 0.024$  to  $\pm 0.044$ °C.

The data were simultaneously recorded on analog chart recorders. In 67% of the profiles, the digital data logger failed to function properly and the analog traces were manually digitized to provide temperature and conductivity data. Accuracy using this method was typically  $\pm 0.025$  to  $\pm 0.050$ ‰ of and  $\pm 0.037$  to  $\pm 0.059$ °C. All station headers are listed in Section 11.5.

**B.     Current Profiles/Manley et al. (1980)**

Profiles of relative current speed and direction were recorded about twice daily between surface and 200 m at each of the 4 camps. In total, 2084 current profiles were made and 1174 were useable. Current time series were also recorded: 9 at camp Caribou, 2 at Blue Fox, 17 at Snowbird and 28 at camp Big Bear. The instrument used was a Tsurumi-Seiki Co. Ltd. (TSK) unit with a Savonius rotor, directional vane and pressure sensor. Direction was referenced to an internal magnetic compass; internal friction on the directional system was minimized. This was considered important because of the weak horizontal component of the earth's magnetic field. Analog charts were manually digitized to provide as much detail as possible. Absolute velocities were determined by vector addition of the ice velocity based on the precise satellite navigation.

The Savonius rotors were sluggish, probably due to bearing drag. In order to calibrate them, they were compared with the more accurate readings of the 30 m fixed-mast velocity sensors. All the current profile station headers are listed in Section 11.6.

#### C. Fixed Current Meters

Fixed-mast current meters were suspended beneath the ice at each camp at depths of 2 and 30 m below the base of the ice. The instruments were HydroProducts with Savonius rotors. The direction sensors were referenced to the instrument case, which was referenced to the camp azimuth and therefore, true north. The data was recorded at 30-second intervals on the data logger as well as on a multipoint recorder. No data reports are yet available for this data, but hourly-averaged values can be obtained from NODC.

#### DATA SET 75-0007 Institute of Ocean Sciences

The directional distributions of the bottom currents are exceptionally narrow; some doubts have been expressed as to their validity.

#### DATA SET 75-0011 Slaney for Imperial Oil Ltd.

Imperial Oil Ltd., while planning for a gas plant at Taglu D-43, Richards Island-MacKenzie Delta, commissioned F.F. Slaney and Co. Ltd. to do a hydrologic survey. Results of the study are reported in Slaney (1976b) and include temperature/salinity, current, water-level, bathymetric, ice and water chemistry data. Sampling covered four periods: late winter, break-up, summer and freeze-up. Where possible, station locations matched those of a 1972-73 survey (72-0007 and 73-0019).

The stilling well, containing the Stevens Type F Model 68 water-level recorder, was approximately three quarters mile east-northeast of the D-43 well site, at the junction of Harry and Seal channels (estimated position of 69°22.2'N, 134°54.8'W).

Channel flow measurements were taken during winter (April), open water and freeze-up, mainly in Harry and Kuluarpak channels (often same locations as in 1973). Measurements at several depths and several cross-channel locations, allowed accurate estimates to be made of the flow rates.

Water temperatures were measured using a hand-held Lambrecht thermometer, and T/S using a YSI SCT meter, generally at 0.2 m depth.

#### DATA SET 75-0024 Freshwater Institute

No exact station locations were provided nor were water depths or some sampling depths. Some salinities were reported only as >1 and some conductivities without temperatures.

#### DATA SET 75-0025 Dept. of Environment

No calibration or precision information was given for the instrument used. The precision in Table 1 has been assumed from manufacturer's specifications. A rating of 2 has therefore been given to this data set.

#### DATA SET 75-0026 NORCOR

Measurements were made at control sites and at sites artificially contaminated by crude oil. Only the control stations have been included here.

**DATA SET 75-0028 Inland Waters Division**

Measurements were made at control sites and at sites artificially contaminated by crude oil. Only the control stations have been included here.

**DATA SET 75-0042 Aquatic Environments Ltd.**

Fisheries investigations were conducted along the proposed Arctic Gas Cross Delta pipeline route in the Mackenzie Delta (DeGraaf & Machniak, 1977). Physical and chemical parameters were also measured, and benthos examined.

Water levels were monitored once daily at Camps I and II using staffs. Also measured daily at the camps were water temperature (maximum-minimum thermometer),  $O_2$  and transparency. Conductivity was measured at 3 to 7 day intervals using a Beckman RB4-25° solubridge. Temperature and conductivity were also measured at various other locations within the Delta.

The Camp I and II locations were estimated from Figures 2 and 3 of DeGraaf & Machniak (1977). The other T/S sampling locations have not been listed or plotted in this inventory, but are tabulated in the same reference.

**DATA SET 75-0043 Beak Consultants Ltd.**

T/S data were obtained near a Canmar barge in Tuktoyaktuk Harbour on July 20, 1975. The appropriate report (Beak, 1975) could not be obtained in time for these data to be included in the inventory.

**DATA SET 75-0047 Arctic Biological Station**

Apparently temperature data were collected by Mr. D.E. Sergeant of the Arctic Biological Station. It doesn't appear that a report was ever published.

**DATA SET 75-0050 Slaney**

As part of the white whale study for Imperial Oil Ltd., Slaney personnel made observations of temperature and water level. The report (Slaney, 1976) could not be obtained to verify these data. This survey appears to coincide with data set no. 75-0004, also by Slaney and the possibility exists that they are the same data sets.

**DATA SET 75-0146 MEDS**

The MEDS summary indicates a spectral analysis with 50-80% success.

**DATA SET 76-0001 Canmar**

When Canadian Marine Drilling Ltd. (Canmar) began drilling in the Beaufort Sea in 1976, federal environmental regulations specified that water column, current, and wave measurement be made. The raw data are contained in a series of unpublished technical reports (Canmar 1977a, 1977b, 1979, and 1980). The 1975-1980 temperature-salinity (T/S) data were re-processed by Lemon and Kowalski (1982), and the 1976-1979 current-meter data by Fissel (1981). Analyses of the Waverider data are on file at the Marine Environmental Data Services (MEDS) in Ottawa.

In 1976 T/S profiles were made at two sites:

1. Kopanoar M-13; 21 profiles taken between August 14 and October 9.
2. Tingmiark K-91; 35 profiles taken between August 8 and October 12.

A bathythermograph (Wallace and Tiernan) was used to obtain temperature profiles accurate to  $\pm 0.1^{\circ}\text{C}$ . Water samples were analysed for salinity and turbidity but no information on methods or accuracies has been found.

Current measurements were obtained from drillships at both the Kopanoar and Tingmiark sites. The near-surface and mid-depth meters (3, 8 m depth) were oriented using fixed attachments to the ship, but may have been affected by wave motion and flow distortion by the ship.

The near-bottom current meters used magnetic compasses for direction and could be in error by  $\pm 30$  degrees or more (Fissel, 1981).

Waverider data were obtained from August 20 to October 4 near the Tingmiark site. The data are believed to be unreliable as the MEDS analysis summary indicates a 0% analysis success.

#### Hourly Sea State

As well as the T/S profile, moored current-meter, and Waverider data, hourly observations of wave period, significant wave height, wave direction, sea temperature, roll, pitch and heave were logged on the bridge of most drillships (The Explorer III had no roll and pitch sensors so these were not logged at the sites this vessel was drilling at). These data are not included in the listings of this inventory, but are in the series of Canmar Technical Reports titled "Environmental observations in the Beaufort Sea-1976-Sea State", and are also on file at Dome's Data Centre.

#### DATA SET 76-0002 Canadian Hydrographic Service

Some concern exists regarding the consistency of the reported coordinates (Henry and Foreman, 1977).

#### DATA SET 76-0003 Slaney for Imperial Oil Ltd.

A bio-physical study was conducted at the Arnak L-30 artificial island, as well as at the Tuft Point borrow (as in borrow the sand for our island) site (Slaney 1977c). F.F. Slaney and Co. Ltd. made measurements at Arnak L-30 using the M.V. Articus and J.S. Keen from July 28 to September 6, 1976. Data from Tuft Point were obtained during July 17-20 and September 1-3, 1976, using the M.V. Articus.

Temperature-salinity data were obtained using a Yellow Springs Instrument Co. meter and a Lambrecht standard mercury centigrade thermometer. Current profile data were also obtained using HydroProducts 951 and 952 meters. Nominal locations of  $69^{\circ}49'N$  and  $133^{\circ}45'W$  for Arnak, and  $69^{\circ}42'N$  and  $132^{\circ}35'W$  for Tuft Point, were used to plot the current profile stations.

#### DATA SET 76-0004 Slaney

No information regarding the current-profile data were available and they have not been inventoried.

#### DATA SET 76-0036 Slaney for Gulf Oil Canada Ltd.

This was part of a pre-development survey of the Hans Bay (Eskimo Lake) region by F.F. Slaney for Gulf Oil Canada. Gulf planned to develop natural gas reserves in this area. Most of the data are from lakes and streams near the southwest end of the Eskimo Lakes. Temperature-salinity data were collected in Hans Bay, Hans Creek, Zed creek and in and around Parsons Lake, using a Yellow Springs Instrument Company conductivity



bridge supplemented by a hand-held mercury thermometer. Sub-surface water samples were obtained using a van Dorn bottle. Temperatures were stated to be accurate to  $\pm 0.1^{\circ}\text{C}$ , however no accuracy value was given for conductivity.

Station locations are not specified but are plotted in Map 1.1 of Slaney (1977d), and the data are tabulated in Table 2.3 of Chambers and Bradley (1976). Since the Hans Bay data are of most interest to oceanographers, only these stations were inventoried using a nominal location of  $68^{\circ}52'\text{N}$ ,  $133^{\circ}26'\text{W}$ .

#### DATA SET 76-0123 MEDS

MEDS analyses of these data include spectral analyses, with 50-80% success rate. These locations are within ESSO acreage and the data may have been collected by them.

#### DATA SET 77-0001 Slaney

Temperature-salinity profiles were obtained using a Hydrolab TC-2 meter. The TC-2 temperatures were calibrated against a Lambrecht mercury thermometer. Apparently no checks were made of the accuracy of the TC-2 salinities. Sampling was conducted from a float-equipped helicopter. If water conditions would not permit landing, then surface data only were collected while hovering.

#### DATA SET 77-0002 Aquatic Environments Ltd.

Water samples were collected from "below the surface" at 12 stations (Aquatic Environments Ltd., 1977). Later lab analyses included specific conductivity (Beckman RB4-250 Solubridge), salinity (chloride titration), and temperature (pocket thermometer). No estimates of precision or accuracy were given in the report.

#### DATA SET 77-0004 Canmar

1977 was Dome's second year of drilling in the Beaufort Sea. As in 1976 (76-0001) T/S profiles, current and wave data were collected.

#### Temperature-Salinity Data

T/S data were obtained at the following sites:

Site	Vessel	Dates
1. Kaglulik A-75	Explorer III	July 10-28
2. Kopanoar M-13	Explorer II	July 26-Oct 1
3. Natsek E-56	Explorer II	Oct 6-18
4. Nektoralik K-59	Explorer III	July 30-Oct 16
5. Nerlerk J-88	Explorer	Oct 11-18
6. Tingmlark		Sept 20-24
7. Ukalerk C-50	Explorer	July 21-Sep 29, Oct 22

At Kaglulik and Nektoralik a bathythermograph was used to measure temperatures, and bottles were used to obtain salinity samples. At the other sites a Hydrolabs TC-2 meter provided both temperature and salinity measurements. The accuracies of the data obtained are not known (Lemon & Kowalski, 1982).

Current Data

Moored current-meter data were obtained at four sites (Kopanoar, Nektoralik, Ukalerk, and Kagiulik). The near-surface data may be contaminated by wave motion and vessel induced flow, while near-bottom meters probably have relatively large uncertainties in direction (Fissel, 1981). Fissel also found that the mid-depth meter and Ukalerk may have been improperly aligned.

Wave Data

Waverider data were obtained at two sites, and are on file at MEDS (files 192, 193). The summary indicates a success rate of 80-100%.

Hourly Sea State

As well as the temperature-salinity profile, moored current-meter, and Waverider data, hourly observation of wave period, significant wave height, wave direction, sea temperature, roll, pitch, and heave were logged on the bridge of most drillships (The Explorer had no roll and pitch sensors to these were not logged at the sites this vessel was drilling at). These data are not included in the listings of this inventory, but are in the series of Canmar Technical Reports titled "Environmental observations in the Beaufort Sea-1977-Sea State", and are also on file at Dome's Data Centre.

DATA SET 77-0005 Canadian Hydrographic Service  
See 76-0002.

DATA SET 77-0009A Envirocon Ltd. for Imperial Oil Ltd.

Stations locations were not specified (Envirocon, 1977) but have been estimated from Figure 3.1 in that report. The current data were obtained using a HydroProducts 960-S profiling current meter (Savonius rotor type).

DATA SET 77-0009B ESSO

Wave data collected at the Isserk shoal had only a 0-50% success, based on the MEDS analyses.

DATA SET 77-0010 Seakem

Water and sediment samples from Tingmiark and Ukalerk were obtained for trace metal and ion analysis. Conductivities were also measured using a bridge, but since no accompanying temperature data were provided (Thomas, 1977) it is not possible to convert these to salinity.

DATA SET 77-0020 DFO

During a fishery investigation in Mackenzie Bay, T/S data were also apparently collected. Details of such data were not available at the time of this inventory.

DATA SET 77-0123 MEDS/Gulf

Waverider data were collected near two of the Gulf drill sites. The MEDS analysis summary indicates an 80-100% success rate.

DATA SET 78-0001 Canmar

As in 1976 (76-0001) and 1977 (77-0004), Canmar collected oceanographic data while drilling in the Beaufort Sea. The profile data are discussed by Lemon and Kowalski (1982) and the current meter data by Fissel (1981).

Temperature-Salinity Data

T/S data were obtained at the following sites:

Site	Vessel	Dates
1. Kaglulik A-75	Explorer III	July 13-Aug 7
2. Kopanoar M-13		July 29-Oct 9
3. Natsek E-56		July 15-Sept 26
4. Nerlerk M-98		Aug 9-11
5. Tarslut A-25		Aug 20-Sept 6
6. Ukalerk 2C-50		July 18-Oct 10

Lemon and Kowalski (1982) reprocessed these data but were unable to obtain a copy of the appropriate Canmar technical report. Therefore the methods used and quality of these data are uncertain.

Current Data

Current-meter data were obtained at the six sites at 12 m depth using HydroProducts (Savonious rotor/vane) meters. The data may be contaminated by wave motion. Fissel (1981) discusses this and other possible errors in the data.

Wave Data

Wave data were obtained at three sites using Waverider buoys. The data and analyses are in files 196-2M, 193 and 192 at MEDS. One of the records has only 0-50% success rate (192), whereas the other two have 80-100%.

Hourly Sea State

As well as the temperature-salinity profile, moored current-meter, and Waverider data, hourly observation of wave period, significant wave height, wave direction, sea temperature, roll, pitch, and heave were logged on the bridge of most drillships (The Explorer had no roll and pitch sensors to these were not logged at the sites this vessel was drilling at). These data are not included in the listings of this inventory, but are in the series of Canmar Technical Reports titled "Environmental observations in the Beaufort Sea-1978-Sea State", and are also on file at Dore's Data Centre.

**DATA SET 78-0019 Seakem for Canmar**

CTD data were obtained at the Kaglulik A-75 drill site after a flow of water from the drill hole had occurred. Profiles were made as near to a rising bubble train as possible. It is not stated (Thomas, 1978b) whether the recorded times are local or GMT.

**DATA SET 78-0031 Freshwater Institute, DFO**

Temperature-salinity data were collected just below the surface using a YSI meter or a Beckman RS5-3 portable salinometer. During the fall, salinities were also determined from water samples using a Guildline Autosal Model 8400 salinometer.

Station locations have been estimated, to the nearest minute, from the station location map in Lawrence, Lacho and Davies (1984).

**DATA SET 78-0113 MEDS**

The location (70°04'N, 132°27'W) is within Dome's acreage, however the station designation 198-Issungnak is a Gulf site, suggesting that the longitude in MEDS files may be wrong. A Waverider was deployed at 198-Issungnak site in 1979 (79-0120), at 70°03'N, 133°59'W. The longitude value of 133°59'W puts the location within Gulf acreage, closer to the actual Issungnak drill site.

**DATA SET 79-0003 Canmar**

In their fourth consecutive summer of operation (see also 76-0001, 77-0004 and 78-0001) Canmar obtained T/S profile data at the following sites.

Site	Dates
1. Kenalooak	Sept 14-Oct 20
2. Kopanoar	Oct 10-19
3. Natsek E-56	Aug 15-Oct 7
4. Nerlerk	July 16-Oct 21
5. Tarslut	July 14-Oct 17
6. Ukalerk	July 12-Aug 8

Temperature-Salinity Data

Three instruments were used; a Hydrolabs TC-2 analogue meter, a Hydrolabs 4021 digital meter, and an Applied Microsystems CTD12. Manufacturer's specifications for precision are:

TC-2:  $\pm 0.5^{\circ}\text{C}$ ,  $\pm 1.5^{\circ}/\text{oo}$   
 4021:  $\pm 0.2^{\circ}\text{C}$ ,  $\pm 1.0^{\circ}/\text{oo}$   
 CTD12:  $\pm 0.02^{\circ}\text{C}$ ,  $\pm 0.07^{\circ}/\text{oo}$

These data were reprocessed by Lemon and Kowalski (1982).

Current Data

Current data were obtained at 12 m depth near each of the drill sites. The data may be contaminated by wave motion and vessel-induced flows (Fissel, 1981).

Wave Data

Waverider buoys were moored at two sites. The data and analyses are in files 200 and 201 at MEDS, and have an 80-100% and 50-80% success rate respectively.

Hourly Sea State

As well as the temperature-salinity profile, moored current-meter, and Waverider data, hourly observation of wave period, significant wave height, wave direction, sea temperature, roll, pitch, and heave were logged on the bridge of most drillships (The Explorer had no roll and pitch sensors to these were not logged at the sites this vessel was drilling at). These data are not included in the listings of this inventory, but are in the series of Canmar Technical Reports titled "Environmental observations in the Beaufort Sea-1979-Sea State", and are also on file at Dome's Data Centre.

**DATA SET 79-0009 Arctic Lab. Ltd.**

Two CTD profiles were obtained as part of an in-situ primary productivity study to determine the effects of discharged drilling fluid.

**DATA SET 79-0026 DOME/Oil Under Ice Study**

During the winter of 1979/80 Dome Petroleum undertook to simulate a sub-sea blow-out under first year ice. The test site was approximately 8 km offshore McKinley Bay. Three discharges, each of about 6 m<sup>3</sup> of oil, took place: Phase 1 December 13, Phase 2 April 10, and Phase 2a May 2.

Physical oceanographic measurements included temperature, salinity and currents. Various contractors were involved, including Arctic Laboratories, C-Core, Nordco, and DF Dickens Engineering. Phase 3 during May through July 1980 involved monitoring and cleanup.

The first discharge, Phase 1-December 1979, has been assigned the Identifier 79-0026. Salinity profiles were obtained using a YSI model 33 SCT probe, while thermistor chains provided temperature data. For this inventory, one nominal station has been used. Moored current meters recorded temperature and salinity, however currents were generally below the threshold value of the instruments.

The second discharge, Phase 2 - April 10, 1980, is designated 80-0016A. T/S profiles were obtained using the YSI model 33 SCT meter, and moored current meters monitored the current as well as T/S.

During Phase 2a (May 2 1980; 80-0016B) similar methods were used. Cushing electro-magnetic current meters (model 600) were also used in an attempt to observe flow in the vertical plane. Water-level data were also obtained, April 30 - May 5, apparently using a lead-line.

Follow-up monitoring and clean-up continued during May through July (80-0028). T/S data were collected during this period but details were not evident in Dickins & Bulst (1981).

For the purposes of this inventory, nominal test site locations have been used.

**DATA SET 79-0037 Freshwater Institute, DFO**

Temperature-salinity data were obtained with a Beckman RS5-3 meter, and some water samples underwent salinity determination using a Guildline Autosol 8400.

Station locations were not provided, except as a map presentation (Lawrence, Lacho and Davies, 1984) and they have not been plotted in this inventory.

This survey was one of a number of inter-related studies carried out by DFO (see 79-0039). Temperature data from freshwater lakes have not been included in this inventory.

**DATA SET 79-0121 C-CORE**

Six hundred and thirty drift cards were released during September 1979 from six sites in the Beaufort Sea. All the cards were recovered to the west, mostly along the north and northwest coasts of Alaska, Yukon and the Northwest Territories (Diemand, Reimer and Barrie, 1982).

## DATA SET 80-0002 Canmar

Temperature-Salinity Data

In Canmars fifth consecutive year of operation (see also 76-0001, 77-0004, 78-0001, and 79-0003), T/S profiles were obtained at intervals of one to nine days, from the Canmar drill ships while drilling proceeded during the summer and fall of 1980:

1. Kenalooak 2J-94, 16 profiles taken between August 1 and 31, 1980.
2. Kilannak A-77, 1 profile taken July 2, 1980 and 3 profiles taken in mid-September, 1980.
3. Koakoak 0-22, 38 profiles taken between July 14 and October 3, 1980.
4. Kopanoar 1-44 and 21-44, 40 profiles taken between July 14 and September 28, 1980.
5. Orvilruk 0-3, 25 profiles taken between July 17 and September 7, 1980.
6. Tarslut A-25, 8 profiles taken between July 11 and 29, 1980.

The data were collected using Hydrolab CTD probes (no model stated). Salinities were also determined using an Applied Microsystems CTD-12 and the Hydrolab conductivities were calibrated using the CTD-12 salinities. The accuracy of the Hydrolab temperature data is believed to be about  $\pm 0.2$  to  $\pm 0.5^{\circ}\text{C}$ , whereas the salinity data is probably accurate to  $\pm 0.07^{\circ}/\text{oo}$  when properly calibrated, but only  $\pm 1.0$  to  $\pm 1.5^{\circ}/\text{oo}$  when not.

Lemon and Kowalski (1982) reprocessed the 1976-1980 Canmar drillship data, edited and removed obvious errors. Their report includes time series plots of all profiles.

Current Data

Current meters were moored at five of the sites, all at 12 m depth. These data are not reported in Fissel (1981), but are listed in the Canmar Technical Report titled "Environmental observations in the Beaufort Sea - 1980 - Sea Currents". At the Orvilruk site, two different types of meters were used: we have assumed that the HydroProducts was deployed August 1-26 then replaced with the Marsh-McBirney for the September 1-9 period.

As with the 1976-1979 data discussed by Fissel (1981), the 1980 data may be contaminated by wave motion and vessel-induced flows.

Wave Data

Apparently Waverider data were collected at three sites (files 200, 201 and 202 at MEDS). The MEDS summary shows good (80-100%) success rate for all three records

Hourly Sea State

As well as the temperature-salinity profile, moored current-meter, and Waverider data, hourly observation of wave period, significant wave height, wave direction, sea temperature, roll, pitch, and heave were logged on the bridge of most drillships (The Explorer had no roll and pitch sensors to these were not logged at the sites this vessel was drilling at). These data are not included in the listings of this inventory, but are in the series of Canmar Technical Reports titled "Environmental observations in the Beaufort Sea-1980-Sea State", and are also on file at Dome's Data Centre.

**DATA SET 80-0003 Arctic Laboratories for Dome Petroleum Ltd.**

Water quality measurements (dissolved oxygen, temperature, salinity and water transparency) were monitored at five stations in McKinley Bay during the 1980 dredging operations. The times provided in Thomas (1980) and listed in the Inventory, are not specified as to the time zone used. Also station coordinates were not specified; we have estimated them from Figure 1 of Thomas (1980).

**DATA SET 80-0016 Dome Petroleum**

Salinity values were not reproducible by the original investigators. It was thought that the cause was ice crystallizing in the conductivity cell. (In the investigator's opinion, the salinity profiles are still useful in a relative sense.) Because the cause of the salinity errors was not definitely found, the possibility of an instrument malfunction affecting the temperature remains. The temperature data have therefore been given a rating of 1. These stations were not plotted.

**DATA SET 80-0028 Dome Petroleum**

Not enough information could be obtained, regarding methods and data quality, to rate these data.

**DATA SET 80-0041 Dobrocky Seatech Ltd.**

Temperature-salinity data were obtained in Tuktoyaktuk Harbour and on a line extending 6 km offshore into Kugmallit Bay. Station locations are plotted in Figure 1 of Byers and Kashino (1980) but for this Inventory a nominal location of 69°27'N, 133°5'W was used.

**DATA SET 80-0110 Freshwater Institute, DFO**

See 79-0037; stations are not plotted.

**DATA SET 81-0002A Arctic Sciences Ltd. for Dome Petroleum Ltd.**

Aanderaa current meters were deployed during January 16 at 19 m depth under the ice near the Tarslut and Uviluk drill sites. The Tarslut data is unreliable after May 5 when the instrument settled on bottom for six-days. Even after it rose to its designed depth, mud fouling interfered with proper operation.

While a mooring at the Kopanoar site was not recovered, a current profile on January 19 was obtained using an Endeco current meter.

**DATA SET 81-0002B Arctic Sciences Ltd. for Dome Petroleum Ltd.**

Over a year's worth of near-bottom current data were obtained from near the Tarslut drill site. The data are generally of good quality. Extended periods of zero measured speed were recorded, although these may merely indicate currents less than the instrument threshold (approximately 2.2 cm/sec).

**DATA SET 81-0002C Canmar**

While the drillships Explorer I through IV were drilling during the July to October period, current, CTD and wave data were collected. Also at each vessel, weather, ice conditions, and sea state (including sea-surface-temperature) were regularly monitored.

### Currents

A summary note (call no. 20.0 IN 90 1981 at Ocean Information Library, IOS - author unknown) states that current meters were "deployed and operated at 12 metre and 25 metre depths at Irkaluk, Issungnak and Koakoak. At Kopanoar, meters were operated at 12 and 23 metre depths. An instrument was also deployed at 12 m for a brief period at Kenalooak and two meters, at 13 m and 18 m operated at Kilannak. Both Kilannak meters, as well as the lower meters at Koakoak and Kopanoar, recorded internally". However the data tape, containing all the '81 Canmar data, contains current-meter data from Kenalooak only. It is not yet clear if current data exist for the other sites although they have been listed and plotted in this inventory.

### CTD

CTD data were obtained at the Kenalooak, Kopanoar, Issungnak, Koakoak, and Irkaluk sites. Multiple casts were generally made, however information was generally available only regarding the first profile. Some of the data is questionable, for example, salinities of 47<sup>0</sup>/oo were recorded at the Kenalooak site on September 23. The instrument type was not evident from the data tape. Contact Mr. Vanderkooy at Dome (403-231-8010) for further details.

### Wave

Wave data were collected near the Explorer III (MEDS file 196-2m), Explorer 2 (MEDS file 201), Explorer IV (MEDS file 202) and the Tarslut site (MEDS file 204). Data and analyses results are on file at MEDS.

### Data Availability and Quality

The 1981-85 data were archived on 9-track tapes, and sent to COGLA. Dr. H. Melling of IOS also has copies. The data quality is generally unknown. In an analysis of the 1976-79 Canmar data, Fissel (1981) found that little or no editing had been done to the data. Similarly the T/S data from 1976-1980 required editing (Lemon & Kowalski, 1982).

#### **DATA SET 81-0003 Arctic Laboratories Ltd.**

Oceanographic sampling was conducted near Issungnak during two winters and the summer of 1981-1982. Most stations were profiled with an Applied Microsystems CTD-12 (some stations had bottles only - temperature from reversing thermometers and salinity from salinometer). The CTD-12 data were checked against the salinometer and reversing thermometer values.

The CTD-12 and a thermistor chain were also moored from July 24 to September 23 1981, with good data recovered for the July 24 - August 30 period.

It was not clear from Erickson et al. (1983) exactly where the T/S data were collected. Therefore nominal dates and locations were used in this inventory.

#### **DATA SET 81-0006 Canmar**

No information was available regarding these data.



**DATA SET 81-0013 Arctic Laboratories Ltd.**

Data were collected to determine the impact of dredging operations in Tuktoyaktuk Harbour. T/S profiles were obtained using an Applied Microsystems CTD-12. Quality control was monitored using water bottle salinities. Salinometer derived values agreed to within 0.7‰ of those from the CTD-12 (Erickson & Pett, 1981).

**DATA SET 81-0015 Arctic Laboratories Ltd.**

Biological-chemical studies were carried out at the Issungnak artificial island and in McKinley Bay. Ice covered (April - June) and open water (July-September) conditions were monitored. Water sample salinities were also determined using a Guildline 8400 salinometer. The CTD-12 temperature calibration for the May 1981 data was incorrect and the data are good in a relative sense only (Pett, Acreman and Vickers, 1981).

Latitude/longitudes are those obtained for the chemical data inventory (Thomas, Macdonald and Conford, 1982), from figures in the data report of Pett, Acreman and Vickers (1981).

**DATA SET 81-0016 Arctic Sciences Ltd. for ESSO Resources**

Two different instrument types were used to measure currents. The Endeco 105 is a neutrally buoyant impeller-type meter that was tethered to the mooring with a 5-foot long line. This meter is designed to move with the wave-induced orbital motion so that wave-related currents are not measured. The Aanderaa RCM-4 meters are affected by wave motion, therefore these instruments were used only at the deeper locations. Even at depths of 12 and 16 m there was still evidence of wave contamination in the records (Fissel & Birch, 1982). During extreme wind events the measured currents may be overestimated by as much as 50%.

**DATA SET 81-0018 Arctic Laboratories Ltd. for Dome Petroleum**

During a biological and chemical study of the Tarslut site, bottom water salinities were measured (Thomas et al. 1982). Water samples were collected less than 1 metre off bottom. The method used to determine salinity was not obvious from the report.

Similar bottom water salinities were obtained near Herschel Island (Heath & Thomas, 1984). A bench salinometer was used, therefore we suspect that a salinometer was also used for the Tarslut samples.

**DATA SET 81-0029 Dept. of Fisheries and Oceans**

During a three-year fishery survey, surface water-temperatures were recorded at each site. See also (82-0111 and 83-0068). The type of thermometer used was not specified (Gillman and Kristofferson, 1984) although it was probably an ordinary hand-held thermometer. Station locations are plotted in Gillman & Kristofferson (1984); for this inventory, nominal locations were used.

During June to September T/S data were also collected in Tuktoyaktuk Harbour. Enquiries to Mr. Larry deMarch at DFO Winnipeg have, as yet, failed to result in any details.

**DATA SET 82-0004 IOS**

Water-level data were obtained in Amundsen Gulf, probably to complement T/S data collected in that area (82-0003) and also as part of a survey of the Prince of Wales Strait area (see NW Passage Inventory 82-0004). For further details regarding these water-level data, contact Mr. Fred Stephenson, Tides and Currents, Institute of Ocean Sciences.

**DATA SET 82-0093 Arctic Laboratories Ltd.**

See 81-0003.

**DATA SET 82-0094 Arctic Laboratories Ltd.**

This was the second year (see also 81-0018) of a study of the impact of marine gravel dredging on the zoobenthos on a shallow ridge near Herschel Island. Bottom water samples were obtained 1 metre off bottom using a water sampler and the salinities were later determined using a Guildline Autosol 8400 salinometer.

**DATA SET 82-0095 EPS**

Chemical, sediment, and biological data were obtained for a baseline survey of the Yukon coastal region (Allan and MacKenzie-Grieve, 1983). Surface temperatures were measured using a standard centigrade thermometer, while a YSI model 33 meter provided profiles of temperature and conductivity. Station locations were estimated from figures 2 and 3 of the report. Follow-up surveys were conducted in 1983 (83-0047) and 1984 (84-0047).

**DATA SET 82-0097A Arctic Laboratories for Dome Petroleum**

A biological and chemical survey was made around the Tarslut N-44 artificial island, and the south Tarslut borrow area. A similar study had been made in 1981 (81-0018). Bottom water salinity was determined for samples obtained using a Niskin bottle 1 m off bottom. The method of salinity determination was not specified (Heath and Thomas, 1983).

**DATA SET 82-0105 Dept. of Fisheries and Oceans**

The required information was not obtained in time to include these data in this inventory.

**DATA SET 82-0110 Arctic Laboratories Ltd.**

The appropriate reference was not obtained in time for these data to be inventoried.

**DATA SET 82-0111 Freshwater Institute**

This was the second year of a three-year fishery survey (see also 81-0029 and 83-0068). Nominal locations and dates were used for plotting purposes. Surface temperatures were measured using unspecified methods.

**DATA SET 82-0117 Arctic Sciences Ltd. for ESSO**

The compass channel of the DOWS current meter at site 1 (Issunagak) failed after five days. From then until recovery, speed, temperature and pressure values (but no direction) are available.

At site 3 (Kadluk) one of the rotors on the DOWS meter fouled after about 5 days. From that point on the speed and direction data are unreliable.

Current profiles were also made at sites 1 and 3 using an Endeco 110 meter. Data from the Waverider buoy deployed 5 km west of the Isserk shoal for the period August 3 to September 25, were sent to MEDS for analysis.

#### DATA SET 82-0018 Canmar

As usual, current, T/S, and wave data were collected at or near the drill ships. Also at each vessel, weather, ice conditions and sea state (including SST) were monitored.

##### Current Data

Current meters were deployed near the Orvilruk, Nerlerk, Kenalooak, and Kiggivak drill sites. Details are unavailable but the data may required editing before use (see comments under 81-0002c). Apparently 35 days of current data were also obtained near the Tarslut site (Myers & Kirby, 1982).

##### CTD Data

CTD data were obtained from the drill ships at the Orvilruk, Nerlerk, Kenalooak, Irkaluk, Kiggivak and Alverk drill sites. Only the date of the first profile at each site are listed here, however, generally several profiles were obtained at each site. Data quality is not known.

##### Wave Data

Wave data were collected near the Explorer IV, in McInley Bay, and at Tarslut. The data are on file at MEDS (Nos. 202, 206 and 205 respectively). Myers and Kirby give the station 204 Tarslut location as 69°57'N, 135°05'W for the September period, as opposed to 69°51'N, 136°W on the MEDS file.

##### Water Pressure

Hydrostatic pressure was also recorded at the bottom of the East caisson at Tarslut. These data are not included here but are plotted in Myers and Kirby (1982).

#### DATA SET 82-0119 Arctic Laboratories Ltd.

These data were part of a continuing program, since 1978 (78-0002) to monitor the Tingmiark K-91 drill site for leakage of formation water. Fifteen CTD profiles were made near the drill site. For this inventory a nominal location of 70°10.6'N and 130°58.9'W has been assigned to each station.

#### DATA SET 83-0027 LGL Ltd.

Temperature data were collected during a whale and mammal survey. No further details were available at the time this inventory was completed.

#### DATA SET 83-0047 EPS

This was a follow-up survey near Stokes Point in which water quality and biology were compared to data from 1982 (82-0095). The same stations were sampled as in 1982 and again a YSI-33 meter was used. Station locations are estimates from figures in the report. Data were obtained from surface and 0.5 metres above bottom. Instrument calibration and accuracy were not reported. Similar sampling was again performed in 1984 (84-0047).

**DATA SET 83-0054 EPS**

No details regarding these data were available; contact the EPS in Whitehorse, (403)667-6487.

**DATA SET 83-0058 Arctic Laboratories Ltd.**

The project goal was to relate water colour and temperature patterns in the Beaufort Sea to the distribution of bowhead whales. Aircraft and satellite sensory methods were used, while surface data were obtained for calibration. Sample bottles were lowered while the helicopter hovered over the station. An AES sea temperature thermometer (0.1°C graduations) was immediately inserted into the sample upon retrieval. Salinity was determined later using a Guildline Autosol Salinometer (Borstad, 1985).

**DATA SET 83-0059 Simon Fraser University**

No details were available. A letter to Mr. Albright at SFU failed to induce a response.

**DATA SET 83-0067 Arctic Laboratories Ltd.**

The Neil Brown current-meter data are presented in de Lange Boom & Juszko (1983), whereas the Waverider data were analysed by MEDS. The wave data from station 208 (Kadluk) are apparently no good, as the MEDS summary indicates a 0% success rate.

**DATA SET 83-0068 Freshwater Institute**

This was the third year of a three-year fishery survey (see also 81-0029 and 82-0111). At all stations surface temperatures were measured using an unspecified method. Nominal dates and location were used here for plotting purposes.

**DATA SET 83-0069 Canmar**

During 1983 oceanographic data were obtained at the following sites:

Well Site	Latitude Longitude	Rig	Data Type
Alverk 21-45	70°24.73'N 133°42.35'W	Explorer IV	CTD
Uviluk P-66	70°15.8'N 132°18.75'W	CBIR#2	CM
Natlak 0-44	70°03.95'N 137°13.12'W	Explorer II	CTD
Havik B-41	70°20.18'N 123°13.08'W	Explorer III	CTD
Slulik I-05	70°24.63'N 134°30.67'W	Explorer IV	CTD and CM
Arluk E-90	70°19.38'N 134°26.53'W	Explorer III	CTD and CM
Nerlerk B-67	70°26.02'N 133°19.47'W	?	CM

Multiple CTD profiles were made at each site, generally at intervals of a couple of days; only the first is listed here. An Applied Microsystems CTD-12 was used, and one or more other units of unknown types. The current-meter record lengths were unavailable.

The data quality is unknown; see comments under 81-0002c.

Wave data were also collected at the Siulik site (MEDS file #202).

#### **DATA SET 83-0070 Gulf**

Waverider data collected at MEDS station 207 (near Pitsiulak A-05 drill site) was apparently of no use, since the MEDS summary indicates a 0% success.

It is not known what other physical oceanographic data were collected by Gulf. Devenis (1985) mentions that one of four instrument moorings, deployed in 1983, was recovered in 1984. MacLaren Plansearch helped in this search, therefore it seems logical that they were the primary oceanographic contractors in 1983.

#### **DATA SET 84-0017 Borstad**

Surface temperature data were derived from the NOAA 7 Advanced Very High Resolution Radiometer (AVHRR) data. Useful, cloud-free images were obtained for August 22 and September 8, 11 and 12. Ground truthing was achieved using sea-surface temperature data from drill ships in the area. Due to the limited number of calibration points and position errors of 1-2 km on the images, the temperature data are believed to be accurate to only  $\pm 1.0^{\circ}\text{C}$  (Harwood & Borstad, 1985).

#### **DATA SET 84-0032 DFO**

A letter to Mr. Larry deMarch at DFO Winnipeg, regarding these and other data (85-0014, 85-0017) has till now gone unanswered.

#### **DATA SET 84-0043 Beaufort Sediment Dynamics Study**

Guideline (may have been AML CTD-12) CTD profiles were obtained at 4 stations off Kugmallit Bay. Locations for these stations were not provided (Nadeau, 1984). A 12-hour station near Pullen Island was sampled using reversing thermometers and a refractometer.

#### **DATA SET 84-0045 Arctic Laboratories for Gulf**

The 1984 oceanographic program for Gulf was severely affected by ice conditions. Three Waverider buoys were lost and one current meter was not recovered. Only one of four moorings deployed in 1983 was recovered.

Real-time current and water-level data were obtained at Amauligak during August 8-20 and August 31 - September 18. This real-time ice-resistant oceanographic telemetry (RIOT) buoy, developed by Arctic Laboratories, incorporates a Neil-Brown ACM-2 current meter and an Aanderaa WLR-5 tide gauge. A current meter moored 1.0 km SE of Amauligak on August 7, was to record until November, however it is not known if it was successfully recovered in 1985.

A Waverider buoy deployed at Tarsilut on August 6, was recovered just west of Amauligak on August 17. Additional Waverider data were obtained in Herschel Basin between August 9-18 (nominal location used:  $69^{\circ}30'N$ ,  $138^{\circ}40'W$ ).

CTD data, presumably using Arctic Labs CTD-12, were obtained from the Kulluk: daily July 5-18 at Pitulak A-05; weekly during August and daily September 13-23 at Amauligak.

Oceanographic data may have been collected at the Tarslut P-45 site (69°54.92'N, 136°25.07'W) from the Molikpaq during the September - December drilling operations, however this section of the report by Devenis (1985) was not obtained in time for the inventory. Attempts were made to obtain wave data, but met with little success due to ice conditions.

#### DATA SET 84-0046 Esso

Near-surface and near-bottom currents were measured at the Amerk 0-09 and the Nipterk L-19/Kaubvik 1-43 drill sites. The Endeco 105 records from both sites had periods, up to five days, of unvarying direction which may have been due to compass sticking. The acoustic current-meter at the Nipterk/Kaubvik site was found to have a shift in the calibration of one of the sensor pairs. This may have reduced the overall data accuracy slightly (Birch, Fissel & Wilton, 1984b).

Three days of Waverider data were also obtained, however a SeaData 635-11 bottom pressure record was of limited value due to air bubbles in the pressure port. The 635-11 did produce lower frequency (tidal) information.

#### DATA SET 84-0047 EPS

This was the third consecutive-year survey of the Stokes Point Region (see also 82-0095 and 83-0047) and the second of King Point (82-0095). As in the other years a YSI-33 meter was used and the same stations were occupied. Only a draft report was available, and the exact dates and depths are not indicated. The Stokes Point station were sampled August 6-7, the King Point August 1-2. Samples were from near-surface and 0.5 m off bottom, in water about 5 m deep. Instrument calibration and accuracy was not stated.

#### DATA SET 84-0048 Canmar

The summer '84 oceanographic data collected by Canmar are summarized as follows:

Well Site	Latitude Longitude	Rig	Data Type
Natlak 0-44	70°03.95'N 137°13.12'W	Explorer II, I	CTD and CM
Siulik 1-05	70°24.63'N 134°30.67'W	Explorer IV	CTD and CM
Arluk E-90	70°19.38'N 135°26.52'W	Explorer III	CTD and CM
Aiverk 21-45	70°24.73'N 133°42.35'W	Explorer I, IV	CTD and CM
Havik B-41	70°20.18'N 132°13.08'W	Explorer II, III	CTD and CM

Uviluk P-66

70°15.77'N  
132°18.68'W

?

CM

Multiple CTD profiles were made using an Applied Microsystems CTD-12, as well as other unidentified units. Only the first profile at each site are listed here.

The duration of the current records is not known. The data are on tapes at COGLA and with Dr. Melling at IOS. Data quality is unknown.

No drifters were deployed due to heavy ice concentrations around the drillships.

It is not known if wave data were also collected.

#### DATA SET 84-0049 IOS

Aanderaa current meters were moored in Herschel Canyon as part of an over-winter study of shelf and transport processes.

CTD profiles were obtained in April 1984 when the moorings were deployed, but apparently not in August 1985 when they were recovered.

The data are being processed (contact Mr. Perkin, IOS).

#### DATA SET 85-0006 ESL

Information regarding these data were not obtained in time for inclusion in this inventory. Contact Mr. J. McDonald at 604-656-0881.

#### DATA SET 85-0007 LGL for DIAND

During a bowhead whale survey T/S profiles were obtained using a Hydrolab 4021. The salinity data were unreliable due to instrument malfunction.

Several NOAA satellite images (18, 20, 21, 24, 26, and 28 August, 1985) were also digitally processed and calibrated for temperature and turbidity, using the ship-based measurements.

#### DATA SET 85-0014 DFO

See 84-0032.

#### DATA SET 85-0016 Simon Fraser University

See 83-0059.

#### DATA SET 85-0017 Freshwater Institute

The report (Hopky, Chipczak and Lawrence, 1986) was not obtained in time to rate these data.

#### DATA SET 85-0019 Archipelago Marine Research

No details were available. Contact Archipelago Marine Research (604-382-4535).

#### DATA SET 85-0029 Arctic Laboratories for Esso Resources

Current data were obtained from two sites (Arnak and Nipsterk/Kaubvik), and a pressure sensor (635-11) at the Adgo site provided tidal and wave measurements. A water-level gauge was also deployed near the Taglu drill site.

Arnak: an Aanderaa current-meter and an InterOcean S4 electromagnetic current meter were moored closely together, both at approximately 5 m depth (Arctic Lab., 1985a). The Aanderaa provided essentially no useful speed and direction data, whereas the S4 meter operated well. The temperature and salinity sensors on the Aanderaa did provide data during the deployment period, August 28 to October 3.

Nipterk: an Aanderaa RCM-4 and a Neil Brown ACM-2 were deployed at the same location. The Neil Brown data were very good, however, the Aanderaa encoder was erratic resulting in poor depth, temperature and conductivity data; the direction channel was corrected and the speed channel was unaffected.

Adgo: a SeaData 635-11 wave and tide pressure sensor was moored on bottom between August 15 and October 1. Some energy amplification occurred at high frequencies, but in general the data are of good quality.

Taglu: the data from the Aanderaa WLR-5 water-level gauge near the TAGLU site is of poor quality with about a 57% good-data return. The tape reel had been installed in a reversed position.

#### DATA SET 85-0030 Dobrocky Seatech Ltd.

Dobrocky Seatech Ltd. was contracted by the Geological Survey of Canada to study sediment transport at King Point on the Yukon Coast, as part of the Northern Oil and Gas Action Program (NOGAP).

Aanderaa current meters with wave zone rotors were moored in water depths up to 15 m, and two SeaData directional wave and current sensors were moored in water depths of 2.7 and 5.6 m.

Of the five Aanderaa meters, only three were recovered, and only two of these had recorded useful data.

Apparently the data from one of the SeaData recorders is of little value. Further enquiries should be directed to Dr. Harper of Dobrocky Seatech (902-463-4099).

#### DATA SET 85-0031 LGL Bowhead Whale Study

Most of the data are from west of 141°W. No reversing bottles were used for calibration. Temperatures were compared with those obtained from surface using a Hydrolab meter. Satellite imagery, combined with the boat-based data, were used to produce SST maps.

This was the first of a two year study. See also 86-0008.

#### DATA SET 85-0032 IOS

This was part of an ice motion program. Current-meters and water level gauges were moored over-winter near the Beaufort Sea over the outer half of continental shelf and the upper slope. Two shore water level gauges were also maintained. CTD data were collected during deployment (85-0032) and recovery (86-0032). An archive of rectified, navigated AVHRR images was acquired during the 12 months of the project, and is being used to derive ice coverage and ice displacement data. The data are in the process of being analysed and further enquiries should be directed towards Dr. H. Melling at IOS.

#### DATA SET 85-0033 Canmar

The summer '85 oceanographic data collected by Canmar are summarized as follows:

Well Site	Latitude Longitude	Rig	Data Type
Arluk E-90	70°19.39'N 135°26.53'W	Explorer III, IV	CTD
Adlartok N-09	69°38.87'N 137°45.47'W	Explorer III	CTD and CM



Edlok N-56	69°45.83'N 140°14.37'W	Explorer IV	CTD. It is not clear whether or not an ACM2 at 5m depth was recovered.
Havik B-41	70°20.18'N 132°13.08'W	Explorer I,II,III	CTD
Nerlerk J-67	70°26.68'N 133°19.47'W	Kulluk	CTD

The header information were extracted from the Canmar data archival tape (Steen 1986). Documentation received from Dome claims that two current-meter records were obtained, however the tape contains only one.

An AML CTD-12 was used; the time zone recorded for the CTD profiles is not specified.

No drifters were deployed due to heavy ice concentrations around the drillships.

#### DATA SET 85-0036 IOS

CTD profiles were obtained after recovery of the year-long current and thermistor moorings near Banks Island. The data are being analysed and further enquiries should be directed toward Mr. Perkin at IOS.

#### DATA SET 85-0037 Gulf

Gulf operated at three drillsites in 1985: Amauligak I-65 using the mobile arctic calisson Mollikpak, and Akpak 2P-35 and Aagnerk E-56 using the conical drilling unit Kulluk.

At the Amauligak site, the real-time current (Neil Brown ACM-2) and water-level (Aanderaa WLR-5) buoy was used. However, a flaw in the wiring of the buoy resulted in minimal data recovery. A near-bottom (5 m off bottom) current meter was deployed 1.5 nautical miles SW of Amauligak on September 6. The record length and data quality are unknown.

Due to heavy ice, no moorings were deployed at the Akpak site, however CTD data were collected when ice conditions permitted.

It is not known what, if any, data were collected at the Aagnerk drill site.

#### DATA SET 86-0003 IOS (Ocean Chemistry)

A comprehensive CTD survey was carried out during this first year of the NOGAP program. An Aanderaa current meter was also moored for five days. The CTD profiles included transmissivity, and sediment traps were also moored. The data are in the process of being analysed.

Satellite images are also being processed to produce maps of sea-surface-temperature.

For further details contact Dr. Macdonald of Ocean Chemistry at IOS.

#### DATA SET 86-0004 LGL and Arctic Sciences Ltd. for DIAND

Ten cross-shelf transects were completed. Vertical profiles of temperature, salinity and transmissivity were obtained using an Applied Microsystems STD-12. Also, while underway, continuous measurements of surface temperature were made using a Hydrolab TC-2 meter. Digital analysis of satellite imagery (3, 5, 6 and 8 September, 1986) will provide SST maps, ground-truthed with the ship's STD data.

The STD, calibrated using bottle salinities and temperatures from reversing thermometers, had an overall accuracy of  $\pm 0.03^{\circ}\text{C}$  and  $\pm 0.1^{\circ}/\text{oo}$ .

**DATA SET 86-0005 MacLaren Plansearch for Esso**

These data were in the process of being analysed. Contact Mr. Spedding of Esso (403-259-0335).

**DATA SET 86-0006 Arctic Laboratories Ltd.**

No details were available. Contact Mr. Thomas of Arctic Laboratories (604-656-7077).

**DATA SET 86-0007 Arctic Laboratories Ltd.**

See 86-0006.

**DATA SET 86-0008 LGL Bowhead Whale Study**

Most of the stations are west of  $141^{\circ}\text{W}$ , near Barter Island. Data depth was restricted by a temperature limitation of  $-0.35^{\circ}\text{C}$  within the CTD. This was the lowest temperature the instrument could record.

Satellite Imagery, combined with the boat-based data, are to be used to produce sea-surface-temperature maps for 26 August and 6, 8, 10, 14 and 26 September.

These data are to be presented (1987) for a report by LGL which will also include the 1985 results (85-0031).

**DATA SET 86-0009 Seaconsult**

SeaData 635-9, 635-11, 635-12 and 650B-7 pressure sensors were moored near bottom off Richards Island as part of a sediment transport study. The 635-12 also recorded current data. The data are being processed (Hodgins et al, in print).

**DATA SET 86-0010 IOS**

This was part of the second year of the ice motion program (see also 85-0032). While recovering the moorings in the spring of 1986, CTD profiles were made. Only the approximate locations of the current-meters have been plotted. The data are being processed and enquiries should be directed towards Dr. H. Melling at IOS.

**DATA SET 86-0011 IOS**

Current meters and WOTAN units were moored at two sites near the entrance to Dolphin and Union Strait. The data are being processed; contact Dr. Farmer at IOS. For plotting purposes, a nominal location of  $69^{\circ}15'\text{N}$  and  $117^{\circ}20'\text{W}$  has been assigned.

**DATA SET 86-0013 Canmar**

One current-meter record obtained by Canmar during the 1986 drilling season was subsequently lost in the mail. It is not known if any other oceanographic data were obtained. Contact Mr. Vanderkooy at (403) 231-3000.

**DATA SET 86-0014 Arctic Laboratories for Gulf**

Wave data were collected (85% acceptable) over the August 8-September 14 period near the Amaulikak I-65b site.

It is not known if other oceanographic data were also collected.

## Appendix 2

## Addresses of Information Sources

Arctic Biological Station  
 Fisheries and Marine Service  
 Dept. of Environment  
 P.O. Box 400,  
 Ste. Anne de Bellevue, P.Q. H9X 3L6

Arctic Ice Dynamics Joint Experiment (AIDJEX)  
 (Originally centered at the University of Washington, Seattle, the project is now disbanded. Most oceanographic data were filed at NODC, the remainder are being processed at Lamont-Doherty Geological Observatory, Palisades, N.Y. - contact Dr. T.O. Manley).

Arctic Laboratories Ltd.  
 2045 Mills Road  
 Sidney, B.C. V8L 3S1  
 Contact Mr. P. Erickson (604) 656-7077

Canadian Hydrographic Service (CHS)  
 (For the western arctic data, contact Tidal Information at the Institute of Ocean Sciences, Sidney, B.C.)

Canadian Marine Drilling Ltd. (CANMAR)  
 see Dome Petroleum

Canadian Oil and Gas Lands Administration (COGLA)  
 Physical Environment Division  
 355 River Road  
 Ottawa, Ontario K1A 0E4  
 Contact Mr. A.O. Mycyk (613) 993-3760

Dome Petroleum Ltd.  
 Beaufort Sea Division  
 P.O. Box 200  
 Calgary, Alberta T2P 2H8  
 Contact Mr. Nick Vanderkooy (403) 231-8010

Environmental Sciences Ltd.  
 2035 Mills Road  
 Sidney, B.C. V8L 3S1  
 Contact Mr. J. McDonald (604) 656-1922

Esso Resources Canada Limited  
 Research Department  
 339-50th Avenue S.E.  
 Calgary, Alberta T2G 2B3  
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Freshwater Institute  
Dept. Fisheries and Oceans, Western Region  
501 University Crescent  
Winnipeg, Manitoba R3T 2N6  
Contact Mr. L. deMarch (204) 949-5000

Gulf Canada Resources Inc.  
Frontier Development Division  
401 9th Avenue S.W.  
P.O. Box 130  
Calgary, Alberta T2P 2H7  
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Institute of Ocean Sciences  
P.O. Box 6000  
9860 West Saanich Rd.  
Sidney, B.C. V8L 4B2  
Contact: Frozen Sea Research - Dr. Humphrey Melling (604) 356-6552  
Ocean Chemistry - Dr. Rob Macdonald (604) 356-6409  
Tides & Currents - Mr. Fred Stephenson (604) 356-6364

LGL Limited  
Environmental Research Associates  
22 Fisher Street  
P.O. Box 457  
King City, Ontario L0G 1K0  
Contact Dr. R.A. Davis (416) 833-1244

Marine Environmental Data Services (MEDS)  
Dept. of Fisheries and Oceans  
12th Floor - 200 Kent Street  
Ottawa, Ontario K1A 0E6  
Phone: (613) 995-2041

National Oceanographic Data Center (NODC)  
NOAA, Code D761  
2001 Wisconsin Avenue N.W.  
Washington, D.C. 20235  
Phone: (202) 634-7500

Seakem Oceanography Ltd.  
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U.S. Naval Oceanographic Office  
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## Appendix 3

## Abbreviations used in this report.

ABS, Arc. Biol.

Stn. Arctic Biological Station

AGC Atlantic Geoscience Centre, Bedford Institute of Oceanography

AIDJEX Arctic Ice Dynamics Joint Experiment

BIO Bedford Institute of Oceanography

BT Bathythermograph

CANMAR Canadian Marine Drilling Ltd. (subsidiary of Dome Petroleum Ltd.)

CHS Canadian Hydrographic Service

CM Current meter

CODC Canadian Oceanographic Data Centre

COGLA Canadian Oil and Gas Lands Administration

DFO Department of Fisheries and Oceans

DIAND Department of Indian Affairs and Northern Development

EPS Environmental Protection Service

ESRF Environmental Studies Revolving Fund

FRBC Fisheries Research Board Canada

GSC Geological Survey of Canada

IOS Institute of Ocean Sciences

MEDS Marine Environmental Data Services Branch, Dept. of Fisheries and Oceans, Ottawa

MOT, DOT Ministry of Transport, Dept. of Transport; now Transport Canada

NODC National Oceanographic Data Center

NOGAP Northern Oil and Gas Action Program

OERD Office of Energy, Research and Development

T/S, TS Temperature-Salinity

USCG United States Coast Guard

USGS United States Geological Survey

USNHO United States Navy Hydrographic Office, Washington

USNOO United States Naval Oceanographic Office, Washington

XBT Expendable Bathythermograph

## Chemical/Biological Terms

Ag	Silver
alkt	Alkalinity (total)
As	Arsenic
BEC	Benzene extractable compounds
BOD	Biological oxygen demand
C	Carbon
Ca	Cadmium
CaCO <sub>3</sub>	Calcium carbonate
CH <sub>3</sub>	Methyl (mercury)
CH <sub>4</sub>	Methane
Cl	Chlorine
Chl.a	Chlorophyll a
Co	Cobalt
CO <sub>2</sub>	Carbon dioxide
C <sup>14</sup>	Radioactive isotope of carbon, C <sup>14</sup>
Cr	Chromium
Cu	Copper
DB	Lead
DNA	Deoxyribonucleic acid
DOC	Dissolved organic carbon
F	Fluorine
Fe	Iron
H	Hydrogen
HC	Hydrocarbons
HCB	Hexachlorobenzene
He	Helium
HEC	Hexane extractable compound
Hg	Mercury
KME	Kraft mill effluent

Mg	Manganese
N	Nitrogen
N <sub>3</sub>	Azine
Ne	Neon
NH <sub>3</sub>	Ammonia
Ni	Nickel
NO <sub>2</sub>	Nitrite
NO <sub>3</sub>	Nitrate
O <sub>2</sub>	Dissolved molecular oxygen
ORP	Oxygen reduction potential
P	Phosphorous
Pb	Lead
PCB	Polychlorinated biphenyls
pH	The negative logarithm of the hydrogen-ion concentration
POC	particulate organic carbon
PO <sub>4</sub>	Phosphate
RNA	Ribonucleic acid
Se	Selenium
Si	Silicon
SiO <sub>2</sub>	Silica
SiO <sub>3</sub>	Silicate
SPM	Suspended particulate matter
TDN	Total dissolved nitrogen
TDP	Total dissolved phosphorus
TOC	Total organic carbon
V	Vanadium
Zn	Zinc

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