

**WEST COAST DATA INVENTORY AND
APPRAISAL**
VOLUME 1 (PART 2)
**Dixon Entrance, Hecate Strait, Queen Charlotte
Sound and Adjoining B.C. Coastal Waters:
Physical Oceanography — Temperature,
Salinity, Currents, Water Levels and Waves**
1903 through 1984

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Department of Fisheries and Oceans

Sidney, B.C., V8L 4B2

1985

**CANADIAN DATA REPORT OF
HYDROGRAPHY AND OCEAN SCIENCES
NO. 37**



Fisheries
and Oceans

Pêches
et Océans

Canada

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.

Les rapports statistiques ne sont pas destinés à une vaste distribution et leur contenu ne doit pas être mentionné dans une publication sans une autorisation écrite préalable de l'établissement auteur. Le titre exact paraît au-dessus du résumé de chaque rapport. Les rapports statistiques sont résumés dans la revue *Résumés des sciences halieutiques et aquatiques*, et ils sont classés dans l'index annuel des publications scientifiques et techniques du Ministère.

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.

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**Physical Oceanography – Temperature, Salinity,
Currents, Water Levels and Waves**

1903 through 1984

by

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PREFACE

To manage Canadian West Coast waters competently, there is a fundamental requirement to review the sufficiency and suitability of the available scientific data for many purposes - such as engineering design, regulation, assessment, planning, research and monitoring. We consider this review to consist of three phases: (i) the cataloguing, mapping and methods-appraisal of all existing data sets; (ii) the actual scrutiny of the data themselves and the judgement of their utility for answering management questions; and (iii) the analysis and interpretation of the best of these data.

This inventory, which indexes the physical-oceanographic data of Dixon Entrance, Hecate Strait, Queen Charlotte Sound and adjoining waters, is considered a major contribution to phase (i). It has been produced by the Ocean Information Division at the Institute of Ocean Sciences, Department of Fisheries and Oceans, as part of a Data Inventory and Appraisal Program. Contract projects, supervised by government scientists and funded by numerous federal agencies, have examined all known marine-data sets which contain oceanographic information obtained in the areas in question. Evaluation of the data-set quality has been carried out by careful examination of the documentation for methodologies used in sampling, storage and analysis.

It is our hope that this inventory will assist you, both in establishing the usefulness of existing data for whatever particular purpose contemplated, and in assessing the confidence to be placed in the interpretations. In addition, it should aid in setting priorities for archiving large quantities of data into the Department's Marine Environmental Data Service (MEDS) in Ottawa.

L. F. Giovando
B. D. Smiley
Scientific Coordinators
Canadian West Coast Compilation
and Appraisal Series

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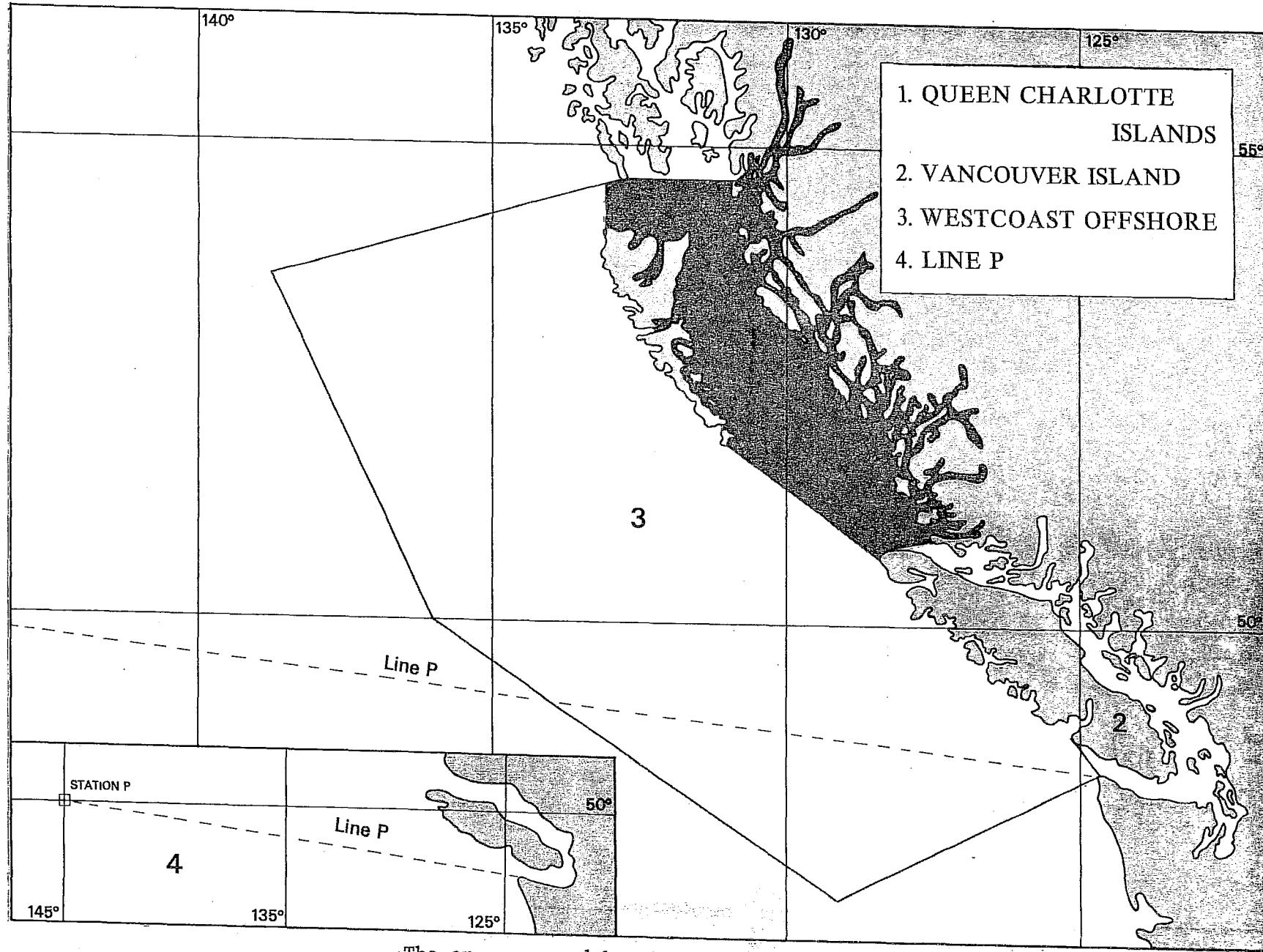
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WEST COAST DATA INVENTORY AND APPRAISAL

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and Adjoining B.C. Coastal Waters: Physical Oceanography**



10. INDEXES

This section contains three indexes to the data sets. The first is a geographical index which provides a listing by sub-areas (Figure 21). All data sets with any measurements in a particular sub-area 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
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
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.

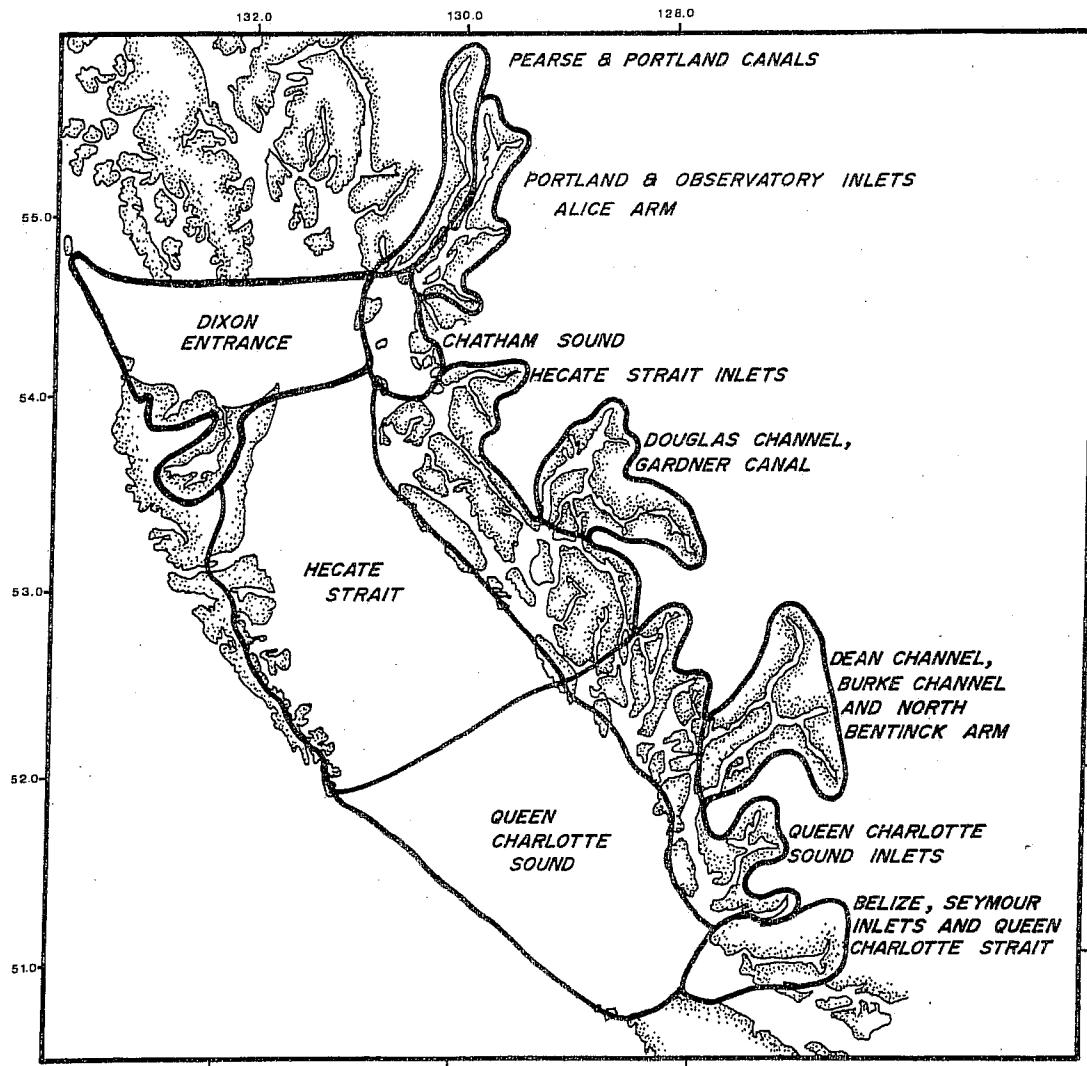


Figure 21: Sub-areas used for geographic index.

10.1 GEOGRAPHICAL

	DIXON ENTRANCE	80-0051D	79-0036B	81-0067	63-0017	55-0020	QUEEN CHARLOTTE SOUND	80-0051C	DEAN & BURKE CHANNELS N. BENTINCK ARM
07-0002		80-0053	79-0036C	81-0068	64-0011	56-0008		80-0053D	06-0002
10-0002		81-0053F	79-0036D	82-0025	64-0020	61-0017A		81-0053E	09-0001
34-0001		81-0053G	79-0036E	82-0034	64-0022	61-0022		81-0053F	11-0002
36-0004		82-0064	79-0051	82-0038	66-0022	62-0018	28-0003	81-0053G	22-0001
37-0004		82-0065	79-0053	82-0039A	68-0024	62-0025	34-0002	81-0069	51-0009
38-0002		83-0002B	80-0042A	82-0021A	68-0025	63-0011C	51-0012	82-0034	56-0008
39-0001		83-0035	81-0021B	82-0040	68-0026	64-0010	51-0016	82-0044	56-0015
40-0004		83-0036A	81-0021C	82-0052	69-0030	64-0012	53-0015B	82-0046	56-0017
40-0006		84-0001	81-0021E	82-0053	69-0031	64-0020	54-0012A	82-0051	61-0022
40-0007		84-0002	81-0022	82-0054	70-0031	65-0011	54-0012B	82-0068	62-0020
41-0002		84-0006	81-0050	82-0055	75-0069	65-0019	54-0012C	83-0002A	63-0011A
48-0009		84-0007	81-0053F	82-0056	77-0043	66-0021	54-0012D	83-0036A	63-0011B
51-0012			82-0045	82-0057	77-0057A	69-0018	54-0018	84-0001	63-0018
51-0014			82-0051	82-0058	77-0057B	72-0044	55-0013	84-0002	64-0012
51-0016			82-0065	82-0059	77-0057C	73-0029	55-0020		64-0018
51-0017			84-0007	82-0060	78-0028A	73-0041	55-0021		64-0023
53-0015B				82-0061	78-0028B	73-0042	56-0008		65-0021
53-0017	CHATHAM			82-0062	78-0028B	74-0049	56-0009		66-0013
54-0012A	SOUND			82-0063	78-0028C	77-0042A	56-0017		66-0023
54-0012B				82-0064	78-0028D	77-0042B	57-0007A		67-0023
54-0012C		03-0001		82-0066	78-0028E	77-0042C	57-0007B	QUEEN	69-0018
55-0013		06-0002	PEARSE &	82-0067	78-0028F	77-0042D	57-0016	CHARLOTTE	69-0036
55-0020		35-0004	PORTLAND	83-0003A	78-0028G	77-0042E	57-0019	SOUND	70-0020B
55-0021		38-0002	CANALS	83-0003B	78-0047	77-0043	58-0007	INLETS	71-0046
57-0007B		40-0005		83-0014	78-0048	77-0057A	58-0008		72-0025
57-0008		43-0002	12-0001	83-0015	78-0049	77-0057B	58-0009	05-0002	72-0036B
57-0009		45-0001	48-0009	83-0039	78-0051	78-0028A	59-0011A	06-0002	73-0048
57-0016		48-0009	51-0009		78-0052	78-0028B	59-0011B	07-0002	73-0049
57-0018		51-0009	66-0013		78-0053	78-0028C	59-0011C	09-0001	74-0041
58-0007		54-0012C			78-0054	78-0028D	59-0017	15-0003	74-0050A
58-0008		55-0013			78-0055	78-0028E	60-0011	15-0013	74-0050B
58-0009		55-0021			78-0056	78-0029A	60-0012	24-0002	75-0063
58-0014		57-0009			79-0036A	78-0029B	61-0016	28-0003	78-0028B
59-0011A		58-0009			79-0036B	78-0029C	60-0017	37-0008	78-0028C
59-0011B		59-0011A			79-0036C	78-0049	60-0018	78-0028D	
59-0011C		59-0011B	PORTLAND	HECATE	79-0036D	79-0036A	61-0017A	47-0003	
59-0012		59-0011C	INLET	STRAIT	79-0036E	79-0036B	61-0017B	51-0009	
59-0013		59-0012	OBSERVATORY		79-0036F	79-0036C	61-0018	55-0012	
59-0018		60-0012.	INLET	10-0002	79-0053	79-0036D	61-0019	56-0008	
59-0019		60-0017		10-0003	79-0056A	79-0036F	62-0015	56-0009	
60-0011		61-0017A		11-0001	79-0056B	79-0060	62-0016	56-0017	
60-0012		61-0017B	12-0001	12-0001	79-0060	79-0066	62-0020	59-0011C	
61-0016		61-0018	13-0002	13-0002	79-0065	82-0051	62-0025	59-0012	
61-0017A		61-0020	16-0003	15-0003	80-0051A	83-0003A	62-0027	59-0013	
61-0017B		61-0022	48-0009	22-0001	80-0051B	83-0035	64-0010	59-0017	BELIZE INLET
61-0018		62-0018	51-0009	23-0002	80-0051C	84-0003	65-0012	60-0012	SEYMOUR INLET
61-0019		62-0020	54-0017	24-0002	80-0051D		66-0022	60-0017	QUEEN CHARLOTTE STRAIT
62-0020		62-0025	61-0023	35-0003	81-0053D		67-0022	61-0022	
62-0015		63-0011C	62-0027	38-0002	81-0053F		68-0022	61-0023	
62-0018		64-0010	63-0011C	48-0009	81-0053G		68-0024	62-0027	31-0003
62-0020		64-0012	63-0017	51-0009	81-0055		68-0025	63-0011A	37-0009
62-0025		64-0020	64-0020	51-0012	81-0056A		69-0030	63-0011B	51-0009
63-0017		65-0021	65-0018	52-0013	82-0044		69-0031	63-0018	51-0012
64-0011		66-0021	66-0013	53-0015B	82-0046		70-0020A	64-0018	53-0015A
64-0020		67-0008	74-0042	53-0016	82-0051		70-0020C	65-0011	54-0012C
65-0011		67-0024	75-0064	53-0018	82-0068	09-0001	70-0031	65-0021	55-0013
65-0012		69-0033	76-0050	54-0012A	83-0002A	51-0009	70-0033	66-0013	55-0020
66-0022		70-0032	76-0062	54-0012B	83-0035	51-0013	71-0037	66-0023	55-0021
67-0022		70-0037	76-0063	54-0012C	83-0036A	51-0015	75-0070	67-0023	56-0009
67-0026		71-0028	77-0059	54-0016	83-0036B	62-0020	77-0042	68-0027	57-0007B
68-0012		71-0038	77-0063	54-0018	84-0001	63-0011C	77-0057A	69-0018	57-0019
72-0044		72-0037	72-0064	55-0013	84-0002	64-0012	77-0057B	69-0032	58-0008
73-0040		72-0043	77-0076	55-0020		64-0018	77-0057C	70-0020A	58-0009
75-0070		73-0031A	77-0077	55-0021		66-0013	77-0066A	70-0020B	59-0011A
78-0028A		73-0031B	77-0078	55-0022		67-0009	77-0066B	70-0020C	60-0012
78-0028C		73-0031C	78-0028B	56-0008		67-0014	78-0028F	71-0019	60-0017
78-0028E		73-0032	79-0036A	56-0016		72-0026	78-0028G	72-0025	61-0018
78-0048		73-0047	79-0036B	57-0017	HECATE	75-0061	78-0047	77-0049	62-0017
78-0049		74-0040A	79-0036C	57-0018	STRAIT	77-0042A	78-0048	78-0028B	62-0019
78-0050		74-0040B	79-0053	58-0008	INLETS	77-0042B	78-0049	78-0028C	62-0020
78-0052		74-0043	80-0043A	58-0009		77-0042C	78-0050	78-0028D	62-0026
78-0053		74-0044	80-0043B	58-0012	05-0002	77-0043	78-0051	78-0028E	68-0011A
78-0054		75-0070	91-0018	59-0011A	07-0002	77-0065	78-0052	78-0028G	69-0018
78-0057		76-0056	81-0024A	59-0011B	09-0001	77-0067	78-0053	78-0049	70-0020A
79-0036B		77-0042	81-0024B	59-0011C	12-0001	78-0028B	78-0054	79-0036A	70-0020C
79-0036C		77-0058	81-0054	60-0012	14-0003	78-0028D	78-0055	79-0036B	71-0019
79-0036E		77-0079	81-0057	60-0017	30-0002	78-0028E	78-0056	79-0036C	77-0057A
79-0052		77-0080	81-0058	60-0018	38-0002	78-0028G	78-0056	79-0036D	77-0057B
79-0053		78-0028B	81-0059	61-0017A	48-0009	78-0029A	79-0036E	79-0036E	77-0057C
79-0056A		78-0028C	81-0060	61-0017B	49-0007	78-0029B	79-0036F	79-0036F	78-0028B
79-0056B		78-0028E	81-0061	61-0018	50-0010	78-0029C	79-0036A	79-0060	78-0028C
79-0060		78-0028G	81-0062	61-0021	51-0009	78-0046	79-0056A	82-0051	78-0049
80-0042		78-0037	81-0063	62-0015	53-0016	78-0046A	79-0056B	83-0003A	79-0036D
80-0051A		78-0049	81-0064	62-0018	54-0012A	79-0036B	80-0051A	83-0021	79-0036E
80-0051B		81-0053	81-0065	62-0025	54-0012C	79-0036D	80-0051B	83-0002A	83-0002A
80-0051C		79-0036A	81-0066	63-0011C	55-0013	81-0023	80-0051B		

10-2 MEASUREMENT TYPE

TEMPERATURE & SALINITY -BOTTLE	62-0026	TEMPERATURE & SALINITY PROFILES (CTD)	82-0056	WATER LEVEL & PRESSURE	70-0032	EULERIAN CURRENTS
34-0001	63-0011	64-0018	82-0057	03-0001	71-0038	
34-0002	64-0012	64-0018	82-0058	05-0002	72-0044	52-0013
35-0002	65-0011	65-0021	82-0061	05-0003	73-0031	54-0012
35-0004	65-0012	66-0023	82-0062	06-0002	73-0041	55-0013
36-0003	66-0013	67-0008	82-0063	07-0001	73-0042	61-0016
36-0004	66-0022	67-0009	82-0064	07-0002	74-0049	61-0022
37-0004	67-0014?	67-0022	82-0065	09-0001	75-0070	62-0018
37-0008	67-0026	67-0023	82-0066	10-0002	77-0042	62-0020
37-0009	68-0011	68-0022	82-0067	10-0003	77-0057	64-0012
38-0002	68-0012?	68-0024	82-0068	11-0001	77-0067	64-0018
39-0001	69-0018	69-0030	83-0002	11-0002	77-0068	66-0023
40-0004	70-0020	69-0031	83-0003	12-0001	78-0057	67-0023
40-0005	70-0033	70-0031	83-0014	13-0002	79-0060	68-0025
40-0006	71-0019	71-0037	83-0015	14-0003	79-0065	70-0037?
40-0007	71-0028	73-0031	83-0036	15-0003	80-0053	74-0042
41-0002	71-0046	73-0047	83-0037	16-0003	81-0018	76-0050
48-0009	72-0025	74-0043	83-0038	22-0001	81-0021	76-0062
50-0006	72-0026	77-0042	83-0039	23-0002	81-0055	76-0063
51-0009	72-0036	77-0057	84-0001	24-0002	81-0056	77-0042
51-0012	72-0037	77-0079	84-0002	28-0003	81-0060	77-0057
51-0016	73-0024	78-0029	84-0003	30-0002	81-0061	77-0076
53-0015	73-0032	78-0046	84-0005	31-0003	81-0065	77-0077
53-0018	73-0049	79-0051	84-0006	35-0003	82-0037	77-0080
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54-0018	74-0041	80-0042		49-0007	82-0046	79-0066
55-0012	74-0042	80-0051		50-0010	82-0051	80-0042
55-0013	74-0044	80-0052		51-0013	82-0052	81-0018
55-0020	74-0050	81-0018	TEMPERATURE ONLY	51-0014	82-0053	81-0021
55-0021	75-0061	81-0021		51-0015	83-0021	81-0057
56-0008	75-0063	81-0023	64-0019	53-0016	83-0034	81-0058
56-0009	75-0064	81-0024	73-0029	54-0016	83-0035	81-0059
57-0007	76-0050	81-0054	75-0069	54-0017	83-0036	81-0060
57-0008	76-0062	81-0057	77-0066	55-0022	84-0001	81-0069
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57-0019	77-0058	81-0060	78-0050	56-0017	LAGRANGIAN DRIFTERS	82-0038
58-0007	77-0059	81-0061	78-0051	57-0017	82-0039	82-0046
58-0008	77-0076	81-0062	78-0052	57-0018		82-0046
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58-0014	77-0078	81-0064	78-0056	59-0017	52-0013	82-0052
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60-0011	78-0037	81-0066	79-0053	61-0023	55-0013	82-0054
60-0012	78-0049	81-0067	79-0059	62-0027	61-0022	82-0055
60-0018	78-0053	81-0068	80-0055	63-0017	62-0018	82-0056
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61-0018	79-0056	82-0036		64-0021	64-0012	82-0058
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61-0022	82-0039A	82-0040	72-0043	65-0019	67-0023	84-0001
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62-0017		82-0052	77-0065	67-0024	77-0079	
62-0018		82-0053	81-0021	68-0027	80-0042	
62-0020		82-0054	82-0044	69-0032	81-0021	
62-0025		82-0055	83-0035	69-0033	84-0006	

10.3 INDEX OF REFERENCES BY DATA-SET NUMBER

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11. LISTING OF MEASUREMENT LOCATIONS AND OTHER PARAMETERS, BY YEAR

This section gives detailed listings of measurement locations and times for each of the data sets plotted on the maps in Section 9. Drifter data sets whose measurement locations were plotted as shaded areas only are not listed. The shore-station data are not discussed either; see Section 3.1 of the text for a discussion of them. There are separate listings for temperature-salinity data, current-meter data, water-level data and wave data. Each listing is ordered by data set number. 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.
WATER DEPTH	In metres, if available.
PARAM MEAS	Parameters measured - conductivity, salinity, temperature. Each parameter measured is qualified by one of the following: X - measurements of this parameter were made CA - possible calibration problems S - suspect readings C - constant readings over parts of record 0 - zero or obviously bad readings
INSTR	Instrument type: AAND - Aanderaa current meter AMS - Applied Microsystems CTD APL - Applied Physics Lab. CTD BECK - Beckman BISS - Bisset Berman STD BOTT - bottle sample BUCK - bucket thermometer GLDL - Guildline CTD HYD - Hydrometer HYDR - Hydrolab salinometer HYT - Hytech induction salinometer INTO - InterOcean CTD MART - Martec data logger NB - Neil Brown PLES - Plessey CTD RS5 - Beckman RS5 YSI - Yellow Springs Instruments Co.
INT(HR)	The time period between repeat stations.
NO	The number of repeat stations.

Blank entries indicate unavailable or inapplicable data.

Some entries under the "area" heading may be missing if the stations are between name-designated areas.

? implies suspect data, but the only/best data available.

BOTTLE/CTD DATA SET NUMBER: 34-0001
YEAR:1934 VESSEL/AGENCY: U.WASH., CATALYST

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM	INSTR	INT NO
				DEG	MIN	DEG	MIN					
DIXON ENTRANCE	1	54 19.0	132 49.0	34	9	3	20	400	429	X	X	BOTT
DIXON ENTRANCE	2	54 27.5	132 50.0	34	9	3	23	375	387	X	X	BOTT
DIXON ENTRANCE	3	54 34.0	132 47.5	34	9	4	1	350	378	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 36-0003
YEAR:1936 VESSEL/AGENCY: PBS, ARMENTIERES

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM	INSTR	INT NO
				DEG	MIN	DEG	MIN					
Q. C. SOUND	F1	50 55.8	128 6.8	36	9	4	18	15	23	X	X	BOTT
Q. C. SOUND	F2	50 58.5	128 21.2	36	9	4	19	50	146	X	X	BOTT
Q. C. SOUND	F3	51 3.0	128 44.0	36	9	4	21	50	62	X	X	BOTT
Q. C. SOUND	F4	51 7.2	129 6.5	36	9	4	23	130	140	X	X	BOTT
Q. C. SOUND	F5	51 9.7	129 27.5	36	9	5	2	250	272	X	X	BOTT
Q. C. SOUND	F6	51 11.7	129 51.5	36	9	5	5	673	822	X	X	BOTT
Q. C. SOUND	F8	51 35.8	130 27.2	36	9	5	11	800	1441	X	X	BOTT
Q. C. SOUND	F9	51 40.2	130 51.8	36	9	5	14	780		X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 37-0004
YEAR:1937 VESSEL/AGENCY: U.WASH., CATALYST

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM	INSTR	INT NO
				DEG	MIN	DEG	MIN					
DIXON ENTRANCE	1	54 17.0	131 31.0	37	7	25	17	110	122	X	X	BOTT
DIXON ENTRANCE	2	54 21.8	131 32.9	37	7	25	18	210	219	X	X	BOTT
DIXON ENTRANCE	3	54 26.5	131 35.0	37	7	25	19	270	281	X	X	BOTT
DIXON ENTRANCE	4	54 31.5	131 37.5	37	7	25	20	300	301	X	X	BOTT
DIXON ENTRANCE	5	54 36.4	131 39.1	37	7	25	21	300	334	X	X	BOTT
DIXON ENTRANCE	6	54 41.1	131 41.5	37	7	25	23	400	435	X	X	BOTT
DIXON ENTRANCE	7	54 41.0	131 50.0	37	7	26		350	376	X	X	BOTT
DIXON ENTRANCE	8	54 41.0	131 57.0	37	7	26	1	250	261	X	X	BOTT
DIXON ENTRANCE	9	54 39.6	132 15.6	37	7	26	16	104	109	X	X	BOTT
DIXON ENTRANCE	10	54 39.6	132 33.0	37	7	26	18	220	221	X	X	BOTT
DIXON ENTRANCE	11	54 30.0	132 37.2	37	7	26	20	360	378	X	X	BOTT
DIXON ENTRANCE	12	54 20.2	132 41.5	37	7	26	22	270	277	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 38-0002
YEAR:1938 VESSEL/AGENCY: POG, AMLAC

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM	INSTR	INT NO
				DEG	MIN	DEG	MIN					
DIXON ENTRANCE	1	54 11.2	132 8.0	38	5	24	14	70	74	X	X	BOTT
DIXON ENTRANCE	2	54 19.4	132 8.4	38	5	24	16	200	234	X	X	BOTT
DIXON ENTRANCE	3	54 29.2	132 13.3	38	5	24	18	300	349	X	X	BOTT

DIXON ENTRANCE	4	54 39.3	132 13.7	38	5 24 19	100	129	X X BOTT
DIXON ENTRANCE	5	54 35.6	132 25.2	38	5 24 20	100	129	X X BOTT
DIXON ENTRANCE	6	54 38.4	132 36.8	38	5 24 21	100	124	X X BOTT
DIXON ENTRANCE	7	54 30.8	132 35.4	38	5 24 23	300	362	X X BOTT
DIXON ENTRANCE	8	54 23.3	132 34.0	38	5 25 1	300	303	X X BOTT
DIXON ENTRANCE	9	54 11.9	132 33.6	38	5 25 3	100	111	X X BOTT
DIXON ENTRANCE	10	54 10.8	132 34.2	38	5 25 14	100	102	X X BOTT
DIXON ENTRANCE	11	54 21.8	132 35.4	38	5 25 16	275	292	X X BOTT
DIXON ENTRANCE	12	54 31.4	132 35.2	38	5 25 18	300	369	X X BOTT
DIXON ENTRANCE	13	54 37.5	132 35.6	38	5 25 19	100	120	X X BOTT
DIXON ENTRANCE	14	54 39.5	132 25.0	38	5 25 20	100	109	X X BOTT
DIXON ENTRANCE	15	54 39.4	132 12.8	38	5 25 22	100	115	X X BOTT
DIXON ENTRANCE	16	54 29.4	132 11.8	38	5 25 23	300	345	X X BOTT
DIXON ENTRANCE	17	54 19.0	132 10.2	38	5 26 1	200	230	X X BOTT
DIXON ENTRANCE	18	54 10.8	132 8.4	38	5 26 3	50	69	X X BOTT
DIXON ENTRANCE	19	54 15.1	133 7.2	38	5 29 14	75	89	X X BOTT
DIXON ENTRANCE	20	54 25.2	133 15.2	38	5 29 16	300	334	X X BOTT
DIXON ENTRANCE	21	54 33.2	133 20.1	38	5 29 18	300	345	X X BOTT
DIXON ENTRANCE	22	54 40.4	133 21.8	38	5 29 20	250	292	X X BOTT
DIXON ENTRANCE	23	54 40.8	133 07.0	38	5 29 21	150	186	X X BOTT
DIXON ENTRANCE	24	54 39.1	132 51.0	38	5 29 23	140	151	X X BOTT
DIXON ENTRANCE	25	54 31.6	132 54.7	38	5 30 01	300	382	X X BOTT
DIXON ENTRANCE	26	54 24.2	132 55.0	38	5 30 03	375	389	X X BOTT
DIXON ENTRANCE	27	54 14.0	132 55.0	38	5 30 05	140	153	X X BOTT
DIXON ENTRANCE	29	54 11.4	133 17.2	38	5 30 18	150	184	X X BOTT
DIXON ENTRANCE	30	54 16.2	133 11.0	38	5 30 20	300	367	X X BOTT
DIXON ENTRANCE	31	54 12.6	133 07.6	38	5 30 21	75	87	X X BOTT
DIXON ENTRANCE	32	54 12.9	131 53.4	38	6 1 16	100	129	X X BOTT
DIXON ENTRANCE	33	54 16.8	131 38.2	38	6 1 18	100	135	X X BOTT
DIXON ENTRANCE	34	54 26.4	131 42.4	38	6 1 19	250	274	X X BOTT
DIXON ENTRANCE	35	54 37.2	131 41.5	38	6 1 22	400	420	X X BOTT
DIXON ENTRANCE	36	54 41.8	131 56.7	38	6 2 1	300	365	X X BOTT
DIXON ENTRANCE	37	54 45.0	131 57.4	38	6 2 16	100	117	X X BOTT
DIXON ENTRANCE	38	54 46.1	131 46.6	38	6 2 17	300	374	X X BOTT
DIXON ENTRANCE	39	54 47.4	131 33.8	38	6 2 18	100	111	X X BOTT
DIXON ENTRANCE	40	54 41.0	131 23.3	38	6 2 20	200	219	X X BOTT
DIXON ENTRANCE	41	54 31.0	131 20.6	38	6 2 22	100	133	X X BOTT
DIXON ENTRANCE	42	54 24.8	131 13.0	38	6 2 23	100	129	X X BOTT
DIXON ENTRANCE	43	54 31.1	131 9.8	38	6 3	140	153	X X BOTT
DIXON ENTRANCE	44	54 39.2	131 8.8	38	6 3 2	150	193	X X BOTT
DIXON ENTRANCE	45	54 47.4	131 8.7	38	6 3 3	250	272	X X BOTT
DIXON ENTRANCE	46	54 41.6	130 51.0	38	6 3 5	200	248	X X BOTT
DIXON ENTRANCE	47	54 38.3	130 38.0	38	6 3 7	300	384	X X BOTT
CHATHAM SOUND	48	54 28.1	130 37.3	38	6 3 18	75	102	X X BOTT
CHATHAM SOUND	49	54 19.0	130 41.6	38	6 3 20	150	179	X X BOTT
CHATHAM SOUND	50	54 9.7	130 29.8	38	6 3 22	75	98	X X BOTT
DIXON ENTRANCE	51	54 19.0	130 57.6	38	6 5 15	100	122	X X BOTT
DIXON ENTRANCE	52	54 16.8	131 14.4	38	6 5 16	25	34	X X BOTT
DIXON ENTRANCE	53	54 11.3	131 29.2	38	6 5 18	20	23	X X BOTT
DIXON ENTRANCE	54	54 6.8	131 8.9	38	6 5 20	25	32	X X BOTT
HECATE STRAIT	55	54 2.3	130 59.1	38	6 5 21	50	58	X X BOTT
HECATE STRAIT	56	53 58.7	131 9.5	38	6 5 22	40	45	X X BOTT
HECATE STRAIT	57	53 54.1	131 24.4	38	6 6	20	25	X X BOTT
HECATE STRAIT	58	53 51.5	131 8.3	38	6 6 1	50	54	X X BOTT
HECATE STRAIT	59	53 47.4	130 55.7	38	6 6 2	75	80	X X BOTT
HECATE STRAIT	60	53 45.1	130 47.2	38	6 6 3	100	122	X X BOTT
HECATE STRAIT	61	53 43.5	130 37.9	38	6 6 4	100	109	X X BOTT

BOTTLE/CTD DATA SET NUMBER: 48-0009
YEAR: 1948 VESSEL/AGENCY: EHKOLI

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					
CHATHAM SOUND		54 17.0	130 45.0	48 06 26 17	0			X	X BOTT
CHATHAM SOUND	1	53 50.7	130 18.6	48 06 30 19	27	219		X	X BOTT
CHATHAM SOUND	1	53 52.0	130 03.8	48 09 08 20	46	128		X	X BOTT
CHATHAM SOUND	1	53 53.5	130 06.0	48 05 21 21	30	49		X	X BOTT
CHATHAM SOUND	1	53 54.0	130 06.0	48 05 21 17	30	65		X	X BOTT
CHATHAM SOUND	1	54 08.8	130 04.5	48 09 07 22	20			X	X BOTT
CHATHAM SOUND	1	54 08.8	130 04.6	48 05 28 04	15	18		X	X BOTT
CHATHAM SOUND	2	53 55.0	130 13.8	48 05 21 22	30	172		X	X BOTT
CHATHAM SOUND	2	53 55.0	130 14.0	48 05 21 18	30	172		X	X BOTT
CHATHAM SOUND	2	53 57.3	130 11.6	48 09 08 21	46	110		X	X BOTT
CHATHAM SOUND	2	53 57.5	130 12.0	48 05 28 19	27	101		X	X BOTT

CHATHAM SOUND	2	53	57.6	130	11.3	48	07	01	00	27	108	X	X	BOTT
CHATHAM SOUND	2	53	58.0	130	10.5	48	05	29	00	27	110	X	X	BOTT
CHATHAM SOUND	2	53	58.0	130	11.8	48	06	30	18	27	117	X	X	BOTT
CHATHAM SOUND	3	53	49.8	130	00.3	48	06	30	22	27	168	X	X	BOTT
CHATHAM SOUND	3	53	50.6	130	02.0	48	05	28	21	27	176	X	X	BOTT
CHATHAM SOUND	3	53	51.0	130	02.0	48	05	28	15	27	157	X	X	BOTT
CHATHAM SOUND	3	53	58.0	130	10.0	48	05	21	20	11	124	X	X	BOTT
CHATHAM SOUND	3	53	58.8	130	10.3	48	05	21	22	11	66	X	X	BOTT
CHATHAM SOUND	4	53	50.4	130	18.4	48	07	01	01	27	216	X	X	BOTT
CHATHAM SOUND	4	53	50.5	130	18.5	48	05	28	23	27	223	X	X	BOTT
CHATHAM SOUND	4	53	50.5	130	19.0	48	05	28	17	27	201	X	X	BOTT
CHATHAM SOUND	4	54	09.5	130	21.3	48	05	19	17	32	47	X	X	BOTT
CHATHAM SOUND	4	54	09.5	130	21.3	48	05	19	21	30	73	X	X	BOTT
CHATHAM SOUND	5	54	04.5	130	15.8	48	05	27	17	27	73	X	X	BOTT
CHATHAM SOUND	5	54	04.6	130	16.4	48	05	27	22	27	73	X	X	BOTT
CHATHAM SOUND	5	54	06.0	130	22.5	48	05	19	17	32	102	X	X	BOTT
CHATHAM SOUND	5	54	06.0	130	22.5	48	05	19	21	27	106	X	X	BOTT
CHATHAM SOUND	6	54	04.5	130	32.7	48	05	19	23	27	137	X	X	BOTT
CHATHAM SOUND	6	54	05.5	130	32.0	48	05	27	14	27	95	X	X	BOTT
CHATHAM SOUND	6	54	05.5	130	32.0	48	05	27	20	27	110	X	X	BOTT
CHATHAM SOUND	7	54	07.5	130	23.5	48	05	27	21	27	106	X	X	BOTT
CHATHAM SOUND	7	54	07.6	130	23.7	48	05	27	15	27	110	X	X	BOTT
CHATHAM SOUND	7	54	13.8	130	45.7	48	05	20	00	27	135	X	X	BOTT
CHATHAM SOUND	8	54	09.0	130	19.0	48	05	27	21	27	66	X	X	BOTT
CHATHAM SOUND	8	54	09.0	130	19.5	48	05	27	16	27	34	X	X	BOTT
CHATHAM SOUND	8	54	19.0	130	33.0	48	05	19	15	32	67	X	X	BOTT
CHATHAM SOUND	8	54	19.0	130	33.0	48	05	19	19	30	43	X	X	BOTT
CHATHAM SOUND	9	54	13.3	130	45.5	48	05	26	19	27	176	X	X	BOTT
CHATHAM SOUND	9	54	14.0	130	45.0	48	05	26	13	27		X	X	BOTT
CHATHAM SOUND	9	54	19.5	130	42.5	48	05	20	01	27	168	X	X	BOTT
CHATHAM SOUND	10	54	13.0	130	33.0	48	05	26	02	27	82	X	X	BOTT
CHATHAM SOUND	10	54	13.3	130	32.5	48	05	25	21	18	33	X	X	BOTT
CHATHAM SOUND	10	54	30.5	130	29.5	48	05	20	21	18	55	X	X	BOTT
CHATHAM SOUND	10	54	31.0	130	30.0	48	05	20	16	18	53	X	X	BOTT
CHATHAM SOUND	11	54	13.0	130	21.0	48	05	25	19	27	41	X	X	BOTT
CHATHAM SOUND	11	54	13.0	130	21.0	48	05	26	00	27	51	X	X	BOTT
CHATHAM SOUND	11	54	32.0	130	43.5	48	05	20	15	27	73	X	X	BOTT
CHATHAM SOUND	11	54	32.0	130	43.5	48	05	20	20	18	77	X	X	BOTT
CHATHAM SOUND	12	54	24.0	130	58.5	48	05	26	21	27	73	X	X	BOTT
CHATHAM SOUND	12	54	25.0	131	00.6	48	05	26	15	27	39	X	X	BOTT
CHATHAM SOUND	12	54	40.0	130	29.0	48	05	20	17	27	274	X	X	BOTT
CHATHAM SOUND	12	54	40.3	130	29.0	48	05	20	23	18		X	X	BOTT
CHATHAM SOUND	13	54	20.0	130	41.0	48	05	26	17	27	99	X	X	BOTT
CHATHAM SOUND	13	54	20.2	130	40.1	48	05	26	23	27	80	X	X	BOTT
CHATHAM SOUND	13	54	38.3	130	45.0	48	05	21	00	18	219	X	X	BOTT
CHATHAM SOUND	14	54	19.0	130	33.0	48	05	26	01	27	40	X	X	BOTT
CHATHAM SOUND	14	54	19.5	130	33.0	48	05	25	20	18	21	X	X	BOTT
CHATHAM SOUND	14	54	42.5	130	41.0	48	05	21	00	18	137	X	X	BOTT
CHATHAM SOUND	15	54	18.0	130	51.5	48	05	26	20	27	174	X	X	BOTT
CHATHAM SOUND	15	54	18.0	130	51.6	48	05	26	14	27	174	X	X	BOTT
CHATHAM SOUND	21	54	19.1	130	32.6	48	08	03	19	18	51	X	X	BOTT
CHATHAM SOUND	21	54	19.1	130	33.3	48	06	10	12	27	42	X	X	BOTT
CHATHAM SOUND	21	54	19.2	130	32.8	48	08	05	21	18	55	X	X	BOTT
CHATHAM SOUND	21	54	19.2	130	32.8	48	08	18	13	18	69	X	X	BOTT
CHATHAM SOUND	21	54	19.2	130	33.3	48	08	16	18	18	88	X	X	BOTT
CHATHAM SOUND	21	54	19.3	130	32.5	48	06	03	03	27	88	X	X	BOTT
CHATHAM SOUND	21	54	19.3	130	32.5	48	07	22	21	18	31	X	X	BOTT
CHATHAM SOUND	21	54	19.3	130	32.8	48	08	18	03	18	69	X	X	BOTT
CHATHAM SOUND	21	54	19.3	130	32.9	48	07	20	18	18	84	X	X	BOTT
CHATHAM SOUND	21	54	19.3	130	33.0	48	06	03	13	27	58	X	X	BOTT
CHATHAM SOUND	21	54	19.3	130	33.2	48	08	19	23	18	71	X	X	BOTT
CHATHAM SOUND	21	54	19.4	130	32.5	48	06	01	15	27	58	X	X	BOTT
CHATHAM SOUND	21	54	19.4	130	32.9	48	06	08	16	27	86	X	X	BOTT
CHATHAM SOUND	21	54	19.4	130	33.4	48	06	05	00	27	77	X	X	BOTT
CHATHAM SOUND	21	54	19.5	130	32.8	48	06	10	03	27	84	X	X	BOTT
CHATHAM SOUND	21	54	19.7	130	32.4	48	07	27	17	32	157	X	X	BOTT
CHATHAM SOUND	21	54	19.7	130	32.7	48	06	11	23	27	84	X	X	BOTT
CHATHAM SOUND	21	54	19.7	130	33.7	48	09	09	16	46	88	X	X	BOTT
CHATHAM SOUND	21	54	20.4	130	33.0	48	08	30	20	18	95	X	X	BOTT
CHATHAM SOUND	22	54	19.9	130	40.5	48	06	04	23	27	113	X	X	BOTT
CHATHAM SOUND	22	54	19.9	130	40.9	48	07	27	19	27	106	X	X	BOTT
CHATHAM SOUND	22	54	20.0	130	41.2	48	06	03	14	27	66	X	X	BOTT
CHATHAM SOUND	22	54	20.1	130	40.0	48	06	11	22	27	102	X	X	BOTT
CHATHAM SOUND	22	54	20.1	130	40.1	48	08	05	20	18	102	X	X	BOTT
CHATHAM SOUND	22	54	20.1	130	40.7	48	08	03	20	18	102	X	X	BOTT
CHATHAM SOUND	22	54	20.1	130	41.3	48	06	03	02	27	79	X	X	BOTT
CHATHAM SOUND	22	54	20.25	130	40.9	48	07	22	20	23	66	X	X	BOTT
CHATHAM SOUND	22	54	20.3	130	30.5	48	07	20	20	18	95	X	X	BOTT
CHATHAM SOUND	22	54	20.3	130	40.4	48	06	10	02	27	124	X	X	BOTT
CHATHAM SOUND	22	54	20.3	130	40.4	48	06	10	13	27	113	X	X	BOTT
CHATHAM SOUND	22	54	20.3	130	40.7	48	09	10	19	46	110	X	X	BOTT
CHATHAM SOUND	22	54	20.3	130	40.7	48	06	09	19	27	73	X	X	BOTT
CHATHAM SOUND	22	54	20.4	130	41.0	48	06	01	16	27	168	X	X	BOTT

CHATHAM SOUND	22	54	20.6	130	41.3	48	06	11	22	11	66	X	X	BOTT
CHATHAM SOUND	22	54	21.0	130	41.3	48	08	30	19	18	73	X	X	BOTT
CHATHAM SOUND	23	54	25.3	130	36.0	48	06	11	21	27	121	X	X	BOTT
CHATHAM SOUND	23	54	25.4	130	36.2	48	08	18	02	18	77	X	X	BOTT
CHATHAM SOUND	23	54	25.7	130	35.6	48	07	22	19	18	139	X	X	BOTT
CHATHAM SOUND	23	54	25.7	130	35.8	48	06	01	17	27	88	X	X	BOTT
CHATHAM SOUND	23	54	25.7	130	36.0	48	08	16	19	18	139	X	X	BOTT
CHATHAM SOUND	23	54	25.7	130	36.3	48	06	10	01	27	137	X	X	BOTT
CHATHAM SOUND	23	54	25.9	130	36.2	48	06	08	18	27	128	X	X	BOTT
CHATHAM SOUND	23	54	25.9	130	36.6	48	06	04	22	27	84	X	X	BOTT
CHATHAM SOUND	23	54	26.1	130	35.8	48	09	10	18	46	91	X	X	BOTT
CHATHAM SOUND	23	54	26.1	130	36.8	48	06	10	14	27	128	X	X	BOTT
CHATHAM SOUND	23	54	26.2	130	35.7	48	07	20	21	18	99	X	X	BOTT
CHATHAM SOUND	23	54	26.2	130	36.0	48	08	03	21	18	122	X	X	BOTT
CHATHAM SOUND	23	54	26.3	130	35.4	48	08	05	18	18	73	X	X	BOTT
CHATHAM SOUND	23	54	26.3	130	35.9	48	06	03	01	27	121	X	X	BOTT
CHATHAM SOUND	23	54	26.3	130	36.5	48	08	18	14	18	117	X	X	BOTT
CHATHAM SOUND	23	54	26.4	130	35.5	48	08	19	22	18	124	X	X	BOTT
CHATHAM SOUND	23	54	26.4	130	35.7	48	06	03	16	27	84	X	X	BOTT
CHATHAM SOUND	23	54	26.9	130	35.5	48	07	27	20	27	80	X	X	BOTT
CHATHAM SOUND	24	54	30.6	130	30.0	48	06	08	19	27	51	X	X	BOTT
CHATHAM SOUND	24	54	30.6	130	30.8	48	06	10	00	27	66	X	X	BOTT
CHATHAM SOUND	24	54	30.8	130	29.4	48	06	03	00	27	59	X	X	BOTT
CHATHAM SOUND	24	54	30.8	130	29.5	48	08	18	15	18	55	X	X	BOTT
CHATHAM SOUND	24	54	30.9	130	29.1	48	08	18	01	18	55	X	X	BOTT
CHATHAM SOUND	24	54	30.9	130	29.4	48	07	22	19	27	46	X	X	BOTT
CHATHAM SOUND	24	54	30.9	130	29.5	48	08	19	20	18	59	X	X	BOTT
CHATHAM SOUND	24	54	30.9	130	29.6	48	06	01	18	27	55	X	X	BOTT
CHATHAM SOUND	24	54	30.9	130	29.6	48	08	05	17	18	51	X	X	BOTT
CHATHAM SOUND	24	54	30.95	130	30.0	48	07	20	22	18	59	X	X	BOTT
CHATHAM SOUND	24	54	31.0	130	29.6	48	06	03	16	27	62	X	X	BOTT
CHATHAM SOUND	24	54	31.0	130	29.5	48	08	03	22	18	59	X	X	BOTT
CHATHAM SOUND	24	54	31.1	130	28.9	48	08	16	20	18	59	X	X	BOTT
CHATHAM SOUND	24	54	31.1	130	29.4	48	09	10	17	46	51	X	X	BOTT
CHATHAM SOUND	24	54	31.1	130	29.6	48	06	04	21	27	62	X	X	BOTT
CHATHAM SOUND	24	54	31.15	130	29.2	48	07	27	21	18	55	X	X	BOTT
CHATHAM SOUND	24	54	31.2	130	29.9	48	06	10	16	27	62	X	X	BOTT
CHATHAM SOUND	24	54	31.2	130	30.0	48	06	11	20	27	62	X	X	BOTT
CHATHAM SOUND	25	54	30.7	130	42.6	48	07	27	23	27	86	X	X	BOTT
CHATHAM SOUND	25	54	30.7	130	43.4	48	06	08	21	27	80	X	X	BOTT
CHATHAM SOUND	25	54	30.8	130	43.0	48	06	03	18	27	84	X	X	BOTT
CHATHAM SOUND	25	54	30.8	130	43.0	48	06	10	17	27	88	X	X	BOTT
CHATHAM SOUND	25	54	31.0	130	42.0	48	06	01	19	27	95	X	X	BOTT
CHATHAM SOUND	25	54	31.0	130	33.5	48	06	09	23	27	62	X	X	BOTT
CHATHAM SOUND	25	54	31.0	130	42.1	48	07	22	17	22	90	X	X	BOTT
CHATHAM SOUND	25	54	31.1	130	42.1	48	08	05	15	18	88	X	X	BOTT
CHATHAM SOUND	25	54	31.1	130	42.2	48	08	18	00	18	91	X	X	BOTT
CHATHAM SOUND	25	54	31.1	130	42.5	48	08	19	19	18	99	X	X	BOTT
CHATHAM SOUND	25	54	31.1	130	42.8	48	08	16	21	18	102	X	X	BOTT
CHATHAM SOUND	25	54	31.1	130	42.9	48	08	18	17	18	66	X	X	BOTT
CHATHAM SOUND	25	54	31.1	130	43.0	48	07	20	23	18	93	X	X	BOTT
CHATHAM SOUND	25	54	31.2	130	42.2	48	08	03	23	18	91	X	X	BOTT
CHATHAM SOUND	25	54	31.2	130	42.4	48	06	02	23	27	91	X	X	BOTT
CHATHAM SOUND	25	54	31.3	130	42.2	48	09	10	15	46	91	X	X	BOTT
CHATHAM SOUND	25	54	31.3	130	42.5	48	06	04	19	27	102	X	X	BOTT
CHATHAM SOUND	25	54	31.3	130	43.6	48	06	11	19	27	80	X	X	BOTT
CHATHAM SOUND	26	54	37.0	130	44.0	48	06	01	21	27	336	X	X	BOTT
CHATHAM SOUND	26	54	37.1	130	44.3	48	07	22	16	27	344	X	X	BOTT
CHATHAM SOUND	26	54	37.3	130	44.7	48	07	21	18	37	366	X	X	BOTT
CHATHAM SOUND	26	54	37.4	130	44.0	48	08	18	18	18	249	X	X	BOTT
CHATHAM SOUND	26	54	37.5	130	44.0	48	07	28	00	18	329	X	X	BOTT
CHATHAM SOUND	26	54	37.5	130	44.2	48	08	04	00	18	322	X	X	BOTT
CHATHAM SOUND	26	54	37.5	130	44.5	48	08	04	18	18	329	X	X	BOTT
CHATHAM SOUND	26	54	37.6	130	43.6	48	06	11	18	27	366	X	X	BOTT
CHATHAM SOUND	26	54	37.6	130	44.1	48	06	08	22	27	347	X	X	BOTT
CHATHAM SOUND	26	54	37.6	130	44.6	48	06	04	18	27	329	X	X	BOTT
CHATHAM SOUND	26	54	37.6	130	44.6	48	08	17	23	18	366	X	X	BOTT
CHATHAM SOUND	26	54	37.7	130	44.3	48	08	04	23	18	91	X	X	BOTT
CHATHAM SOUND	26	54	37.7	130	44.4	48	06	02	22	27	347	X	X	BOTT
CHATHAM SOUND	26	54	37.7	130	44.5	48	08	16	22	18	293	X	X	BOTT
CHATHAM SOUND	26	54	37.8	130	43.6	48	06	10	18	27	238	X	X	BOTT
CHATHAM SOUND	26	54	37.8	130	43.7	48	07	21	00	18	329	X	X	BOTT
CHATHAM SOUND	26	54	37.8	130	44.3	48	06	09	22	27	336	X	X	BOTT
CHATHAM SOUND	26	54	37.8	130	44.3	48	08	19	18	18	347	X	X	BOTT
CHATHAM SOUND	26	54	37.9	130	44.0	48	09	09	18	46	347	X	X	BOTT
CHATHAM SOUND	26	54	37.9	130	44.2	48	06	03	19	27	322	X	X	BOTT
CHATHAM SOUND	27	54	39.4	130	53.2	48	07	21	22	33	326	X	X	BOTT
CHATHAM SOUND	27	54	39.4	130	53.8	48	08	17	22	18	336	X	X	BOTT
CHATHAM SOUND	27	54	39.5	130	53.5	48	08	16	23	18	223	X	X	BOTT
CHATHAM SOUND	27	54	39.6	130	52.0	48	06	08	23	27	329	X	X	BOTT
CHATHAM SOUND	27	54	39.6	130	52.8	48	09	09	19	46	289	X	X	BOTT
CHATHAM SOUND	27	54	39.6	130	53.0	48	08	18	19	18	311	X	X	BOTT
CHATHAM SOUND	27	54	39.6	130	53.1	48	06	02	20	27	293	X	X	BOTT

CHATHAM SOUND	27	54	39.6	130	53.3	48	06	11	16	27	366	X	X	BOTT
CHATHAM SOUND	27	54	39.8	130	53.0	48	06	03	20	27	366	X	X	BOTT
CHATHAM SOUND	27	54	40.0	130	53.2	48	06	04	17	27	227	X	X	BOTT
CHATHAM SOUND	27	54	40.0	130	54.0	48	06	01	21	27	366	X	X	BOTT
CHATHAM SOUND	27	54	40.0	130	52.9	48	06	09	21	18	366	X	X	BOTT
CHATHAM SOUND	27	54	40.0	130	53.0	48	08	04	19	18	315	X	X	BOTT
CHATHAM SOUND	27	54	40.0	130	53.1	48	08	19	17	27	219	X	X	BOTT
CHATHAM SOUND	27	54	40.1	130	56.0	48	06	10	19	27	219	X	X	BOTT
CHATHAM SOUND	28	54	43.7	130	50.6	48	06	09	00	27	340	X	X	BOTT
CHATHAM SOUND	28	54	43.8	130	50.4	48	06	29	20	27	329	X	X	BOTT
CHATHAM SOUND	28	54	44.0	130	51.5	48	06	01	22	27	219	X	X	BOTT
CHATHAM SOUND	28	54	44.0	130	51.0	48	08	19	16	18	366	X	X	BOTT
CHATHAM SOUND	28	54	44.0	130	52.0	48	09	01	22	46	263	X	X	BOTT
CHATHAM SOUND	28	54	44.1	130	50.7	48	06	03	21	27	230	X	X	BOTT
CHATHAM SOUND	28	54	44.1	130	50.8	48	07	21	23	27	212	X	X	BOTT
CHATHAM SOUND	28	54	44.1	130	51.0	48	08	17	00	18	366	X	X	BOTT
CHATHAM SOUND	28	54	44.1	130	51.2	48	06	11	15	27	366	X	X	BOTT
CHATHAM SOUND	28	54	44.1	130	51.6	48	06	04	17	27	311	X	X	BOTT
CHATHAM SOUND	28	54	44.2	130	50.6	48	09	09	20	46	212	X	X	BOTT
CHATHAM SOUND	28	54	44.2	130	50.7	48	08	18	20	18	219	X	X	BOTT
CHATHAM SOUND	28	54	44.2	130	50.9	48	08	17	21	18	321	X	X	BOTT
CHATHAM SOUND	28	54	44.2	130	51.0	48	07	21	21	18	238	X	X	BOTT
CHATHAM SOUND	28	54	44.2	130	51.1	48	06	02	19	27	340	X	X	BOTT
CHATHAM SOUND	28	54	44.3	130	50.7	48	08	04	20	18	287	X	X	BOTT
CHATHAM SOUND	28	54	44.5	130	51.1	48	06	09	20	27	293	X	X	BOTT
CHATHAM SOUND	28	54	44.7	130	51.1	48	06	10	20	27	293	X	X	BOTT
CHATHAM SOUND	28	54	45.4	130	50.6	48	08	04	21	18	27	X	X	BOTT
CHATHAM SOUND	28	54	45.4	130	50.8	48	09	01	23	46	146	X	X	BOTT
CHATHAM SOUND	29	54	41.7	130	41.0	48	06	10	21	27	128	X	X	BOTT
CHATHAM SOUND	29	54	42.1	130	41.1	48	06	29	19	27	183	X	X	BOTT
CHATHAM SOUND	29	54	42.1	130	41.5	48	08	18	21	18	146	X	X	BOTT
CHATHAM SOUND	29	54	42.1	130	41.7	48	07	21	20	37	161	X	X	BOTT
CHATHAM SOUND	29	54	42.1	130	41.7	48	08	04	17	18	165	X	X	BOTT
CHATHAM SOUND	29	54	42.2	130	41.4	48	06	09	01	27	139	X	X	BOTT
CHATHAM SOUND	29	54	42.2	130	41.4	48	07	22	00	31	143	X	X	BOTT
CHATHAM SOUND	29	54	42.2	130	41.7	48	08	17	20	18	331	X	X	BOTT
CHATHAM SOUND	29	54	42.2	130	41.9	48	06	04	16	27	146	X	X	BOTT
CHATHAM SOUND	29	54	42.3	130	41.5	48	06	02	00	27	132	X	X	BOTT
CHATHAM SOUND	29	54	42.3	130	42.0	48	06	09	19	27	146	X	X	BOTT
CHATHAM SOUND	29	54	42.4	130	41.4	48	06	11	15	27	128	X	X	BOTT
CHATHAM SOUND	29	54	42.4	130	41.6	48	08	04	22	18	176	X	X	BOTT
CHATHAM SOUND	29	54	42.4	130	41.6	48	08	19	15	18	139	X	X	BOTT
CHATHAM SOUND	29	54	42.4	130	41.8	48	06	02	18	27	128	X	X	BOTT
CHATHAM SOUND	29	54	42.5	130	41.4	48	08	17	01	18	X	X	BOTT	
CHATHAM SOUND	29	54	42.5	130	41.5	48	09	09	21	46	117	X	X	BOTT
CHATHAM SOUND	29	54	42.5	130	41.6	48	06	03	22	27	128	X	X	BOTT
CHATHAM SOUND	29	54	42.5	130	30.0	48	08	17	18	18	457	X	X	BOTT
CHATHAM SOUND	30	54	40.3	130	30.0	48	08	04	15	18	431	X	X	BOTT
CHATHAM SOUND	30	54	40.9	130	30.2	48	08	17	02	18	439	X	X	BOTT
CHATHAM SOUND	30	54	40.9	130	30.6	48	08	17	02	18	713	X	X	BOTT
CHATHAM SOUND	30	54	40.9	130	30.7	48	08	18	22	27	X	X	BOTT	
CHATHAM SOUND	30	54	41.0	130	30.6	48	06	03	23	27	274	X	X	BOTT
CHATHAM SOUND	30	54	41.0	130	30.3	48	06	29	18	27	664	X	X	BOTT
CHATHAM SOUND	30	54	41.0	130	30.4	48	06	09	02	27	453	X	X	BOTT
CHATHAM SOUND	30	54	41.0	130	30.5	48	07	22	03	27	256	X	X	BOTT
CHATHAM SOUND	30	54	41.0	130	31.6	48	06	11	14	27	439	X	X	BOTT
CHATHAM SOUND	30	54	41.1	130	30.0	48	06	09	18	27	421	X	X	BOTT
CHATHAM SOUND	30	54	41.1	130	30.3	48	06	02	01	27	439	X	X	BOTT
CHATHAM SOUND	30	54	41.1	130	30.6	48	09	09	22	27	X	X	BOTT	
CHATHAM SOUND	30	54	41.2	130	30.2	48	06	02	17	27	X	X	BOTT	
CHATHAM SOUND	30	54	41.2	130	30.2	48	06	04	15	18	443	X	X	BOTT
CHATHAM SOUND	30	54	41.2	130	30.3	48	08	19	14	27	X	X	BOTT	
CHATHAM SOUND	30	54	41.2	130	31.0	48	06	10	22	37	X	X	BOTT	
CHATHAM SOUND	30	54	41.3	130	30.1	48	07	21	16	27	62	X	X	BOTT
CHATHAM SOUND	31	54	37.3	130	30.4	48	06	11	13	27	165	X	X	BOTT
CHATHAM SOUND	31	54	37.6	130	30.6	48	06	09	17	27	353	X	X	BOTT
CHATHAM SOUND	31	54	37.7	130	30.9	48	06	10	23	27	102	X	X	BOTT
CHATHAM SOUND	31	54	37.8	130	30.4	48	06	02	01	27	366	X	X	BOTT
CHATHAM SOUND	31	54	37.8	130	31.2	48	06	09	02	27	329	X	X	BOTT
CHATHAM SOUND	31	54	37.8	130	31.4	48	06	04	14	24	238	X	X	BOTT
CHATHAM SOUND	31	54	37.9	130	30.8	48	07	22	14	18	165	X	X	BOTT
CHATHAM SOUND	31	54	38.1	130	30.6	48	08	04	14	29	172	X	X	BOTT
CHATHAM SOUND	31	54	38.1	130	30.7	48	07	22	04	27	X	X	BOTT	
CHATHAM SOUND	31	54	38.1	130	30.8	48	06	02	16	18	223	X	X	BOTT
CHATHAM SOUND	31	54	38.15	130	30.9	48	08	18	23	18	172	X	X	BOTT
CHATHAM SOUND	31	54	38.2	130	31.0	48	08	04	02	18	154	X	X	BOTT
CHATHAM SOUND	31	54	38.3	130	30.2	48	07	21	15	18	165	X	X	BOTT
CHATHAM SOUND	31	54	38.3	130	30.4	48	08	17	03	18	201	X	X	BOTT
CHATHAM SOUND	31	54	38.3	130	30.5	48	06	03	23	27	186	X	X	BOTT
CHATHAM SOUND	31	54	38.3	130	30.8	48	07	28	01	27	190	X	X	BOTT
CHATHAM SOUND	31	54	38.4	130	30.3	48	09	09	23	18	186	X	X	BOTT
CHATHAM SOUND	31	54	38.4	130	30.6	48	08	19	13	18	190	X	X	BOTT
CHATHAM SOUND	31	54	38.5	130	30.5	48	08	05	13	18	190	X	X	BOTT

CHATHAM SOUND	31	54	38.5	130	30.5	48	08	17	17	18	457	X	X	BOTT
CHATHAM SOUND	31	54	38.5	130	31.0	48	08	05	01	18	168	X	X	BOTT
CHATHAM SOUND	32	54	19.7	130	36.0	48	07	20	19	18	161	X	X	BOTT
CHATHAM SOUND	32	54	19.7	130	36.4	48	07	22	21	18	163	X	X	BOTT
CHATHAM SOUND	32	54	19.7	130	37.0	48	08	03	19	18	168	X	X	BOTT
CHATHAM SOUND	32	54	19.9	130	36.1	48	07	27	18	37	157	X	X	BOTT
CHATHAM SOUND	32	54	19.9	130	36.4	48	08	05	20	18	113	X	X	BOTT
CHATHAM SOUND	32	54	20.0	130	36.8	48	08	30	20	18	205	X	X	BOTT
CHATHAM SOUND	33	54	36.1	130	36.6	48	09	09	23	46	238	X	X	BOTT
CHATHAM SOUND	33	54	36.8	130	37.6	48	07	22	02	27	326	X	X	BOTT
CHATHAM SOUND	33	54	36.9	130	37.4	48	07	21	18	33	318	X	X	BOTT
CHATHAM SOUND	33	54	37.0	130	37.3	48	08	04	01	18	340	X	X	BOTT
CHATHAM SOUND	33	54	37.3	130	38.0	48	07	22	15	22	351	X	X	BOTT
CHATHAM SOUND	33	54	37.5	130	36.4	48	07	28	01	27	366	X	X	BOTT
CHATHAM SOUND	33	54	37.5	130	37.1	48	08	05	00	18	373	X	X	BOTT
CHATHAM SOUND	33	54	37.6	130	37.0	48	08	17	01	18	384	X	X	BOTT
CHATHAM SOUND	33	54	37.6	130	37.0	48	08	18	21	18	399	X	X	BOTT
CHATHAM SOUND	33	54	37.9	130	36.7	48	08	17	19	18	402	X	X	BOTT
CHATHAM SOUND	33	54	38.0	130	36.6	48	08	19	14	18	410	X	X	BOTT
CHATHAM SOUND	34	54	39.5	130	31.3	48	07	22	03	26	592	X	X	BOTT
CHATHAM SOUND	34	54	39.8	130	31.0	48	08	04	15	18	607	X	X	BOTT
CHATHAM SOUND	34	54	39.8	130	31.2	48	08	05	01	18	611	X	X	BOTT
CHATHAM SOUND	34	54	40.1	130	29.6	48	07	21	16	27		X	X	BOTT
CHATHAM SOUND	35	54	39.8	130	37.6	48	07	22	01	27	326	X	X	BOTT
CHATHAM SOUND	35	54	40.0	130	42.7	48	08	04	22	18	439	X	X	BOTT
CHATHAM SOUND	35	54	40.1	130	42.5	48	08	04	17	18		X	X	BOTT
CHATHAM SOUND	35	54	40.3	130	42.9	48	07	21	19	37		X	X	BOTT
CHATHAM SOUND	36	54	41.7	130	52.4	48	09	09	20	46	384	X	X	BOTT
CHATHAM SOUND	36	54	41.7	130	52.6	48	08	18	19	18	483	X	X	BOTT
CHATHAM SOUND	36	54	42.0	130	52.2	48	07	21	21	18	329	X	X	BOTT
CHATHAM SOUND	36	54	42.0	130	52.2	48	08	16	23	18		X	X	BOTT
CHATHAM SOUND	36	54	42.1	130	52.0	48	08	17	21	18	331	X	X	BOTT
CHATHAM SOUND	36	54	42.15	130	52.3	48	07	21	23	27	347	X	X	BOTT
CHATHAM SOUND	36	54	42.2	130	52.1	48	08	19	16	18	347	X	X	BOTT
CHATHAM SOUND	36	54	42.3	130	52.9	48	08	04	19	183	351	X	X	BOTT
CHATHAM SOUND	37	54	16.3	130	34.5	48	07	22	22	18	99	X	X	BOTT
CHATHAM SOUND	38	54	14.0	130	38.1	48	07	22	23	18	84	X	X	BOTT
CHATHAM SOUND	38	54	14.3	130	38.0	48	08	11	02	18	113	X	X	BOTT
CHATHAM SOUND	38	54	14.4	130	38.5	48	08	11	17	18	84	X	X	BOTT
CHATHAM SOUND	38	54	14.6	130	38.3	48	08	12	22	18	80	X	X	BOTT
CHATHAM SOUND	39	54	16.5	130	43.8	48	07	23	00	27	161	X	X	BOTT
CHATHAM SOUND	40	54	09.4	130	37.2	48	08	10	21	18	77	X	X	BOTT
CHATHAM SOUND	40	54	09.5	130	37.4	48	08	11	23	18	95	X	X	BOTT
CHATHAM SOUND	40	54	09.7	130	37.5	48	08	12	17	18	102	X	X	BOTT
CHATHAM SOUND	41	54	12.7	130	20.8	48	07	30	23	18	55	X	X	BOTT
CHATHAM SOUND	41	54	12.8	130	20.6	48	06	17	23	27	40	X	X	BOTT
CHATHAM SOUND	41	54	12.8	130	20.6	48	06	18	01	27	40	X	X	BOTT
CHATHAM SOUND	41	54	12.8	130	21.0	48	08	10	16	18	62	X	X	BOTT
CHATHAM SOUND	41	54	12.8	130	21.1	48	08	05	23	18	49	X	X	BOTT
CHATHAM SOUND	41	54	12.9	130	20.8	48	07	30	17	18	58	X	X	BOTT
CHATHAM SOUND	41	54	12.9	130	21.0	48	08	12	12	18	51	X	X	BOTT
CHATHAM SOUND	41	54	12.9	130	21.0	48	08	14	02	18	73	X	X	BOTT
CHATHAM SOUND	41	54	12.9	130	21.2	48	06	16	02	27	62	X	X	BOTT
CHATHAM SOUND	41	54	13.0	130	21.2	48	06	14	16	27	40	X	X	BOTT
CHATHAM SOUND	41	54	13.1	130	20.7	48	08	03	16	18	62	X	X	BOTT
CHATHAM SOUND	41	54	13.1	130	21.1	48	08	12	03	18	73	X	X	BOTT
CHATHAM SOUND	42	54	08.4	130	19.6	48	06	18	23	27	69	X	X	BOTT
CHATHAM SOUND	42	54	08.5	130	19.7	48	08	10	17	18	55	X	X	BOTT
CHATHAM SOUND	42	54	08.6	130	19.8	48	06	16	02	27	48	X	X	BOTT
CHATHAM SOUND	42	54	08.9	130	19.9	48	06	18	01	27	55	X	X	BOTT
CHATHAM SOUND	42	54	09.0	130	19.8	48	08	12	13	18	55	X	X	BOTT
CHATHAM SOUND	42	54	09.0	130	20.3	48	06	14	17	27	48	X	X	BOTT
CHATHAM SOUND	42	54	09.1	130	19.5	48	08	12	03	18	55	X	X	BOTT
CHATHAM SOUND	42	54	09.1	130	20.2	48	08	13	22	18	62	X	X	BOTT
CHATHAM SOUND	43	54	04.3	130	15.7	48	09	08	22	46	102	X	X	BOTT
CHATHAM SOUND	43	54	04.3	130	16.0	48	06	14	18	27	73	X	X	BOTT
CHATHAM SOUND	43	54	04.4	130	15.6	48	06	16	01	27	102	X	X	BOTT
CHATHAM SOUND	43	54	04.4	130	16.1	48	08	13	21	18	108	X	X	BOTT
CHATHAM SOUND	43	54	04.5	130	15.7	48	06	18	02	27	77	X	X	BOTT
CHATHAM SOUND	43	54	04.5	130	16.0	48	08	10	18	18	88	X	X	BOTT
CHATHAM SOUND	43	54	04.6	130	15.6	48	08	12	14	18	77	X	X	BOTT
CHATHAM SOUND	43	54	04.7	130	16.2	48	06	18	22	27	69	X	X	BOTT
CHATHAM SOUND	43	54	05.3	130	16.5	48	08	12	02	18		X	X	BOTT
CHATHAM SOUND	44	54	07.1	130	25.0	48	06	14	19	27	110	X	X	BOTT
CHATHAM SOUND	44	54	07.2	130	24.8	48	08	13	20	18	110	X	X	BOTT
CHATHAM SOUND	44	54	07.2	130	25.1	48	07	30	19	18	80	X	X	BOTT
CHATHAM SOUND	44	54	07.3	130	25.2	48	06	16	00	27	110	X	X	BOTT
CHATHAM SOUND	44	54	07.3	130	25.2	48	06	18	03	27	110	X	X	BOTT
CHATHAM SOUND	44	54	07.3	130	25.5	48	08	10	19	18	110	X	X	BOTT
CHATHAM SOUND	44	54	07.4	130	24.7	48	06	18	21	27	113	X	X	BOTT
CHATHAM SOUND	44	54	07.4	130	25.1	48	09	09	00	46	110	X	X	BOTT
CHATHAM SOUND	44	54	07.5	130	25.6	48	08	12	15	18	110	X	X	BOTT
CHATHAM SOUND	44	54	07.6	130	25.4	48	08	12	00	18	113	X	X	BOTT

CHATHAM SOUND	45	54	04.8	130	32.7	48	08	13	20	18	148	X	X	BOTT
CHATHAM SOUND	45	54	05.2	130	37.2	48	09	09	01	46	146	X	X	BOTT
CHATHAM SOUND	45	54	05.3	130	32.2	48	08	12	16	18	110	X	X	BOTT
CHATHAM SOUND	45	54	05.3	130	32.5	48	06	15	23	27	110	X	X	BOTT
CHATHAM SOUND	45	54	05.4	130	32.2	48	06	17	17	27	117	X	X	BOTT
CHATHAM SOUND	45	54	05.4	130	32.5	48	08	12	00	18	121	X	X	BOTT
CHATHAM SOUND	45	54	05.5	130	32.6	48	06	14	19	27	110	X	X	BOTT
CHATHAM SOUND	45	54	05.5	130	32.6	48	06	18	20	27	117	X	X	BOTT
CHATHAM SOUND	45	54	05.5	130	32.7	48	08	10	20	18	154	X	X	BOTT
CHATHAM SOUND	46	54	12.9	130	43.5	48	07	23	00	25	91	X	X	BOTT
CHATHAM SOUND	46	54	13.2	130	43.1	48	06	17	18	27	150	X	X	BOTT
CHATHAM SOUND	46	54	13.2	130	44.1	48	08	10	22	18	146	X	X	BOTT
CHATHAM SOUND	46	54	13.3	130	43.4	48	06	18	18	27	161	X	X	BOTT
CHATHAM SOUND	46	54	13.4	130	42.5	48	08	11	22	18	155	X	X	BOTT
CHATHAM SOUND	46	54	13.4	130	42.9	48	06	15	21	27	146	X	X	BOTT
CHATHAM SOUND	46	54	13.4	130	43.1	48	08	12	17	18	154	X	X	BOTT
CHATHAM SOUND	46	54	13.5	130	43.3	48	09	10	21	46	157	X	X	BOTT
CHATHAM SOUND	46	54	13.7	130	42.9	48	06	14	22	27	146	X	X	BOTT
CHATHAM SOUND	47	54	17.4	130	49.1	48	08	11	21	18	86	X	X	BOTT
CHATHAM SOUND	47	54	17.9	130	49.5	48	08	12	18	18	154	X	X	BOTT
CHATHAM SOUND	47	54	17.9	130	50.1	48	06	14	23	27	128	X	X	BOTT
CHATHAM SOUND	47	54	18.1	130	49.0	48	08	10	23	123	143	X	X	BOTT
CHATHAM SOUND	47	54	18.1	130	49.5	48	09	10	20	46	143	X	X	BOTT
CHATHAM SOUND	47	54	18.1	130	49.9	48	06	15	19	27	150	X	X	BOTT
CHATHAM SOUND	47	54	18.2	130	49.5	48	06	18	17	27	146	X	X	BOTT
CHATHAM SOUND	47	54	18.2	130	50.2	48	06	17	20	27	146	X	X	BOTT
CHATHAM SOUND	48	54	19.8	130	40.0	48	08	11	00	18	117	X	X	BOTT
CHATHAM SOUND	48	54	20.1	130	40.5	48	08	12	19	18	101	X	X	BOTT
CHATHAM SOUND	48	54	20.1	130	40.9	48	06	18	15	27	110	X	X	BOTT
CHATHAM SOUND	48	54	20.1	130	41.0	48	08	11	20	18	106	X	X	BOTT
CHATHAM SOUND	48	54	20.3	130	40.1	48	06	15	00	27	102	X	X	BOTT
CHATHAM SOUND	48	54	20.4	130	40.7	48	06	17	21	27	84	X	X	BOTT
CHATHAM SOUND	48	54	21.3	130	40.4	48	06	15	18	27	106	X	X	BOTT
CHATHAM SOUND	49	54	19.0	130	33.0	48	08	11	01	18	55	X	X	BOTT
CHATHAM SOUND	49	54	19.2	130	30.0	48	08	11	18	18	73	X	X	BOTT
CHATHAM SOUND	49	54	19.3	130	32.9	48	08	12	21	18	91	X	X	BOTT
CHATHAM SOUND	49	54	19.3	130	33.0	48	06	15	01	27	91	X	X	BOTT
CHATHAM SOUND	49	54	19.4	130	32.5	48	06	15	18	27	88	X	X	BOTT
CHATHAM SOUND	49	54	19.4	130	33.2	48	06	18	15	27	90	X	X	BOTT
CHATHAM SOUND	49	54	19.5	130	32.8	48	06	17	21	27	77	X	X	BOTT
CHATHAM SOUND	50	54	12.8	130	31.2	48	08	11	03	18	91	X	X	BOTT
CHATHAM SOUND	50	54	13.1	130	30.7	48	08	11	17	18	91	X	X	BOTT
CHATHAM SOUND	50	54	13.1	130	31.3	48	06	18	14	27	91	X	X	BOTT
CHATHAM SOUND	50	54	13.2	130	31.1	48	06	15	02	27	91	X	X	BOTT
CHATHAM SOUND	50	54	13.2	130	31.1	48	06	15	16	27	88	X	X	BOTT
CHATHAM SOUND	50	54	13.3	130	31.3	48	08	12	22	18	84	X	X	BOTT
CHATHAM SOUND	50	54	13.5	130	30.8	48	06	17	22	27	73	X	X	BOTT
CHATHAM SOUND	51	54	21.8	130	35.5	48	06	21	18	27	73	X	X	BOTT
CHATHAM SOUND	52	54	30.1	130	36.0	48	07	27	22	27	113	X	X	BOTT
CHATHAM SOUND	52	54	30.7	130	36.0	48	08	05	16	18	110	X	X	BOTT
CHATHAM SOUND	52	54	30.8	130	35.6	48	07	22	18	22	95	X	X	BOTT
CHATHAM SOUND	52	54	31.1	130	36.2	48	08	03	22	18	112	X	X	BOTT
CHATHAM SOUND	52	54	31.3	130	35.3	48	09	10	16	46	121	X	X	BOTT
CHATHAM SOUND	52	54	31.3	130	36.3	48	06	21	20	27	121	X	X	BOTT
CHATHAM SOUND	52	54	31.3	130	36.3	48	07	20	22	18	115	X	X	BOTT
CHATHAM SOUND	53	54	40.5	130	42.5	48	06	21	21	27	91	X	X	BOTT
CHATHAM SOUND	54	54	43.3	130	55.8	48	06	21	22	27	347	X	X	BOTT
CHATHAM SOUND	54	54	43.7	130	55.1	48	06	22	17	27	260	X	X	BOTT
CHATHAM SOUND	55	54	44.3	131	06.9	48	06	22	18	27	260	X	X	BOTT
CHATHAM SOUND	55	54	44.7	131	10.9	48	06	22	00	27	274	X	X	BOTT
CHATHAM SOUND	56	54	53.4	131	05.9	48	06	22	19	27	201	X	X	BOTT
CHATHAM SOUND	57	55	01.8	131	07.3	48	06	22	20	27	289	X	X	BOTT
CHATHAM SOUND	58	55	22.9	131	57.1	48	06	24	17	27	475	X	X	BOTT
CHATHAM SOUND	59	55	02.4	131	48.4	48	06	24	20	27	91	X	X	BOTT
CHATHAM SOUND	60	54	48.2	131	45.1	48	06	24	22	27	91	X	X	BOTT
CHATHAM SOUND	61	54	42.3	131	37.5	48	06	24	23	27	198	X	X	BOTT
CHATHAM SOUND	62	54	37.0	131	48.0	48	06	25	00	27	347	X	X	BOTT
CHATHAM SOUND	62	54	37.5	131	50.0	48	06	25	16	27	457	X	X	BOTT
CHATHAM SOUND	63	54	27.7	131	50.0	48	06	25	18	27	466	X	X	BOTT
CHATHAM SOUND	64	54	17.0	131	32.0	48	06	25	20	0	73	X	X	BOTT
CHATHAM SOUND	65	54	17.5	131	05.2	48	06	26	15	27	84	X	X	BOTT
CHATHAM SOUND	66	54	14.7	130	30.7	48	06	26	18	27	128	X	X	BOTT
CHATHAM SOUND	67	54	58.7	130	02.5	48	06	29	15	27	267	X	X	BOTT
CHATHAM SOUND	67	54	59.0	130	03.0	48	06	29	08	27	267	X	X	BOTT
CHATHAM SOUND	68	54	52.4	130	12.2	48	06	29	16	27	439	X	X	BOTT
CHATHAM SOUND	69	54	45.3	130	23.0	48	06	29	17	27	274	X	X	BOTT
CHATHAM SOUND	70	54	41.9	130	35.4	48	08	04	16	18	106	X	X	BOTT
CHATHAM SOUND	71	54	35.1	130	35.9	48	08	05	14	18	186	X	X	BOTT
CHATHAM SOUND	72	54	26.8	130	30.1	48	08	05	18	18	40	X	X	BOTT
CHATHAM SOUND	73	54	26.1	130	39.7	48	08	05	19	18	37	X	X	BOTT
CHATHAM SOUND	76	54	42.3	130	34.1	48	08	31	17	27	36	X	X	BOTT
CHATHAM SOUND	80	54	12.4	130	22.9	48	07	03	01	27	77	X	X	BOTT
CHATHAM SOUND	81	54	21.8	130	35.2	48	07	04	17	27	77	X	X	BOTT

CHATHAM SOUND	82	54 09.2	130 31.2	48 07 06 00	27	44	X X BOTT	1 26
CHATHAM SOUND	82	54 10.6	130 28.2	48 07 23 02	18		X X BOTT	1 17
CHATHAM SOUND	84	54 40.5	130 33.3	48 09 01 16	18	274	X X BOTT	
CHATHAM SOUND	85	54 42.1	130 32.6	48 09 01 16	18	110	X X BOTT	
CHATHAM SOUND	86	54 43.9	130 37.0	48 09 01 17	18		X X BOTT	
CHATHAM SOUND	87	54 42.0	130 39.7	48 09 01 17	18	194	X X BOTT	
CHATHAM SOUND	88	54 42.9	130 41.3	48 09 01 18	18	95	X X BOTT	
CHATHAM SOUND	89	54 41.5	130 45.7	48 09 01 21	18	201	X X BOTT	
CHATHAM SOUND	90	54 45.8	130 47.0	48 09 01 21	18	84	X X BOTT	
CHATHAM SOUND	91	54 32.2	130 45.7	48 09 10 00	46	77	X X BOTT	
CHATHAM SOUND	92	54 28.9	130 53.0	48 09 10 02	46	223	X X BOTT	
CHATHAM SOUND	93	54 15.3	130 36.0	48 09 10 21	46	80	X X BOTT	
CHATHAM SOUND	94	54 15.4	130 27.7	48 09 09 02	46	59	X X BOTT	
CHATHAM SOUND	96	54 00.2	130 06.2	48 09 07 21	18	22	X X BOTT	
CHATHAM SOUND	97	54 03.9	130 06.4	48 09 07 22	27	27	X X BOTT	
CHATHAM SOUND	101	54 04.2	130 15.3	48 07 29 17	23	91	X X BOTT	
CHATHAM SOUND	102	54 07.1	130 17.7	48 07 29 18	23	69	X X BOTT	
CHATHAM SOUND	103	54 07.2	130 15.5	48 07 29 18	14	26	X X BOTT	
CHATHAM SOUND	104	54 08.95	130 21.8	48 07 29 23	18	66	X X BOTT	
CHATHAM SOUND	105	54 10.8	130 21.0	48 07 29 23	18	73	X X BOTT	
CHATHAM SOUND	105	54 11.1	130 21.2	48 07 30 22	18	73	X X BOTT	
CHATHAM SOUND	105	54 11.3	130 21.0	48 07 30 18	18	55	X X BOTT	
CHATHAM SOUND	106	54 08.7	130 17.8	48 07 30 18	18	48	X X BOTT	
CHATHAM SOUND	106	54 09.0	130 18.4	48 09 08 23	37	45	X X BOTT	
CHATHAM SOUND	107	54 08.4	130 21.7	48 07 30 19	18	69	X X BOTT	
CHATHAM SOUND	109	54 09.3	130 30.0	48 07 30 20	18	66	X X BOTT	
CHATHAM SOUND	109	54 09.5	130 30.1	48 09 09 01	46	102	X X BOTT	
CHATHAM SOUND	110	54 10.2	130 33.0	48 07 30 20	18	88	X X BOTT	
CHATHAM SOUND	111	54 12.5	130 29.1	48 07 30 21	18	113	X X BOTT	
CHATHAM SOUND	111	54 12.6	130 28.6	48 08 05 22	18	111	X X BOTT	
CHATHAM SOUND	111	54 13.7	130 28.2	48 08 03 17	18		X X BOTT	
CHATHAM SOUND	112	54 14.1	130 25.4	48 07 30 22	18	51	X X BOTT	
CHATHAM SOUND	112	54 14.2	130 25.1	48 08 05 22	18	59	X X BOTT	
CHATHAM SOUND	112	54 14.2	130 25.6	48 08 03 17	18	44	X X BOTT	
CHATHAM SOUND	113	54 08.2	130 17.3	48 08 07 20	18		X X BOTT	3 8
CHATHAM SOUND	113	54 13.0	130 23.4	48 07 30 22	18	51	X X BOTT	
CHATHAM SOUND	114	54 09.7	130 26.8	48 08 13 19	18	154	X X BOTT	

BOTTLE/CTD DATA SET NUMBER: 50-0006
YEAR: 1950 VESSEL/AGENCY: POG, CEDARWOOD

AREA	STN	LAT	LON	DATE	CAST WATER PARAM	INSTR	INT NO
		DEG MIN	DEG MIN	YR MO DY HR	TO DEPTH	MEAS	RR
		(M)	(M)	C S T			
Q. C. SOUND	1	50 59.0	128 27.0	50 9 16 3	64		
Q. C. SOUND	2	51 0.0	129 6.0	50 9 17 6	91	X X BOTT	

BOTTLE/CTD DATA SET NUMBER: 51-0009
YEAR: 1951 VESSEL/AGENCY: UBC, EHKOLI

AREA	STN	LAT	LON	DATE	CAST WATER PARAM	INSTR	INT NO
		DEG MIN	DEG MIN	YR MO DY HR	TO DEPTH	MEAS	RR
		(M)	(M)	C S T			

B.C. INLETS	66	51 5.8	127 28.8	51 6 8 21	54	82	X X BOTT
B.C. INLETS	67	51 2.9	127 22.1	51 6 8 22	45	67	X X BOTT
B.C. INLETS	68	51 3.2	127 15.1	51 6 9 15	411	448	X X BOTT
B.C. INLETS	69	51 4.0	126 59.6	51 6 9 19	548	576	X X BOTT
B.C. INLETS	70	51 6.2	126 46.8	51 6 9 22	228	310	X X BOTT
B.C. INLETS	71	51 9.5	126 41.6	51 6 10	155	201	X X BOTT
B.C. INLETS	72	51 6.5	126 41.6	51 6 10 15	18	195	X X BOTT
B.C. INLETS	73	51 6.4	126 46.8	51 6 10 16	18	283	X X BOTT
B.C. INLETS	74	51 4.5	126 53.1	51 6 10 17	91		X X BOTT
B.C. INLETS	75	51 4.2	127 0.1	51 6 10 19	91	621	X X BOTT
B.C. INLETS	76	51 3.5	127 7.8	51 6 10 20	557	524	X X BOTT
B.C. INLETS	77	51 3.0	127 22.2	51 6 10 23	45	82	X X BOTT
B.C. INLETS	78	51 7.4	127 33.0	51 6 11 16	45	79	X X BOTT
B.C. INLETS	79	51 8.0	127 33.5	51 6 11 16	182	188	X X BOTT

B.C. INLETS	80	51	8.0	127	18.7	51	6	11	19	182	292	X	X	BOTT
B.C. INLETS	81	51	7.2	127	4.5	51	6	11	23	320	350	X	X	BOTT
B.C. INLETS	82	51	7.0	127	0.0	51	6	12	15	274	310	X	X	BOTT
B.C. INLETS	83	51	7.0	127	6.5	51	6	12	17	182	246	X	X	BOTT
B.C. INLETS	84	51	7.8	127	9.5	51	6	12	19	91	219	X	X	BOTT
B.C. INLETS	85	51	7.5	127	11.0	51	6	12	19	320	341	X	X	BOTT
B.C. INLETS	86	51	8.0	127	17.0	51	6	12	21	45	396	X	X	BOTT
B.C. INLETS	87	51	7.8	127	26.1	51	6	12	21	182	231	X	X	BOTT
B.C. INLETS	88	51	8.0	127	32.5	51	6	12	23	173	195	X	X	BOTT
B.C. INLETS	89	51	7.5	127	33.2	51	6	12	23	45	91	X	X	BOTT
B.C. INLETS	90	51	5.8	127	43.0	51	6	13	18	54	79	X	X	BOTT
B.C. INLETS	91	51	24.2	127	52.4	51	6	13	21	91	121	X	X	BOTT
B.C. INLETS	92	51	26.4	127	38.5	51	6	13	23	228	347	X	X	BOTT
B.C. INLETS	93	51	28.0	127	32.5	51	6	14	17	36	39	X	X	BOTT
B.C. INLETS	94	51	26.5	127	27.5	51	6	14	18	91	100	X	X	BOTT
B.C. INLETS	95	51	26.0	127	19.5	51	6	14	20	118	131	X	X	BOTT
B.C. INLETS	96	51	26.3	127	24.0	51	6	14	21	109	146	X	X	BOTT
B.C. INLETS	97	51	31.2	127	33.6	51	6	14	23	292	329	X	X	BOTT
B.C. INLETS	98	51	35.9	127	32.3	51	6	15	15	301	329	X	X	BOTT
B.C. INLETS	99	51	38.9	127	26.7	51	6	15	17	274	304	X	X	BOTT
B.C. INLETS	100	51	44.4	127	27.2	51	6	15	19	182	195	X	X	BOTT
B.C. INLETS	101	51	47.1	127	23.3	51	6	15	20	219	237	X	X	BOTT
B.C. INLETS	102	51	50.2	127	21.8	51	6	15	21	137	164	X	X	BOTT
B.C. INLETS	103	51	40.7	127	19.9	51	6	16	15	182	201	X	X	BOTT
B.C. INLETS	104	51	48.9	127	26.3	51	6	16	16	91	298	X	X	BOTT
B.C. INLETS	105	51	35.9	127	32.9	51	6	16	17	91	329	X	X	BOTT
B.C. INLETS	106	51	31.5	127	51.4	51	6	16	21	137	176	X	X	BOTT
B.C. INLETS	107	51	43.8	127	55.5	51	6	16	23	274	359	X	X	BOTT
B.C. INLETS	108	51	55.7	127	56.6	51	6	17	15	274	343	X	X	BOTT
B.C. INLETS	109	52	7.0	127	52.5	51	6	17	17	365	438	X	X	BOTT
B.C. INLETS	110	52	11.7	127	49.9	51	6	17	20	365	509	X	X	BOTT
B.C. INLETS	111	52	15.8	127	44.5	51	6	19	17	274	426	X	X	BOTT
B.C. INLETS	112	52	17.0	127	36.5	51	6	19	18	274	335	X	X	BOTT
B.C. INLETS	113	52	20.5	127	28.0	51	6	19	20	365	X	X	BOTT	
B.C. INLETS	114	52	24.5	127	23.5	51	6	19	22	457	579	X	X	BOTT
B.C. INLETS	115	52	27.2	127	15.5	51	6	20	1	365	527	X	X	BOTT
B.C. INLETS	116	52	33.2	127	12.0	51	6	20	16	365	475	X	X	BOTT
B.C. INLETS	117	52	37.3	127	4.0	51	6	20	19	365	518	X	X	BOTT
B.C. INLETS	118	52	44.0	126	58.0	51	6	20	20	365	438	X	X	BOTT
B.C. INLETS	119	52	49.0	127	0.2	51	6	20	22	137	146	X	X	BOTT
B.C. INLETS	120	52	51.5	127	3.5	51	6	20	23	91	128	X	X	BOTT
B.C. INLETS	121	52	49.0	127	0.0	51	6	21	14	18	152	X	X	BOTT
B.C. INLETS	122	52	37.7	127	3.8	51	6	21	17	18	457	X	X	BOTT
B.C. INLETS	123	52	23.5	127	12.0	51	6	22	15	365	466	X	X	BOTT
B.C. INLETS	124	52	19.2	127	8.8	51	6	22	18	457	551	X	X	BOTT
B.C. INLETS	125	52	19.2	127	2.5	51	6	22	19	365	484	X	X	BOTT
B.C. INLETS	126	52	39.4	126	55.8	51	6	22	20	365	402	X	X	BOTT
B.C. INLETS	127	52	37.6	127	48.5	51	6	22	21	137	234	X	X	BOTT
B.C. INLETS	128	52	17.2	126	58.0	51	6	23	15	365	438	X	X	BOTT
B.C. INLETS	129	51	11.5	126	54.4	51	6	23	16	137	195	X	X	BOTT
B.C. INLETS	130	51	7.0	126	46.2	51	6	23	18	228	259	X	X	BOTT
B.C. INLETS	131	52	3.2	126	42.0	51	6	23	19	137	219	X	X	BOTT
B.C. INLETS	132	52	19.0	127	1.8	51	6	25	17	137	490	X	X	BOTT
B.C. INLETS	133	52	19.2	127	9.5	51	6	25	18	137	X	X	BOTT	
B.C. INLETS	134	52	17.5	127	12.1	51	6	25	19	45	530	X	X	BOTT
B.C. INLETS	135	52	14.7	127	19.5	51	6	25	22	365	566	X	X	BOTT
B.C. INLETS	136	52	12.0	127	26.5	51	6	25	23	457	542	X	X	BOTT
B.C. INLETS	137	52	6.1	127	37.5	51	6	26	14	365	429	X	X	BOTT
B.C. INLETS	138	51	59.8	127	40.9	51	6	26	17	137	259	X	X	BOTT
B.C. INLETS	139	51	56.8	127	45.0	51	6	26	18	91	94	X	X	BOTT
B.C. INLETS	140	51	55.7	127	50.3	51	6	26	19	91	124	X	X	BOTT
B.C. INLETS	141	52	14.4	127	54.2	51	6	29	19	91	134	X	X	BOTT
B.C. INLETS	142	52	14.8	128	16.7	51	6	29	21	274	493	X	X	BOTT
B.C. INLETS	143	52	26.4	128	27.4	51	6	30	17	274	661	X	X	BOTT
B.C. INLETS	144	52	47.8	128	32.1	51	6	30	16	274	344	X	X	BOTT
B.C. INLETS	145	52	54.6	128	30.6	51	6	30	17	274	435	X	X	BOTT
B.C. INLETS	146	53	3.2	128	32.9	51	6	30	19	182	256	X	X	BOTT
B.C. INLETS	147	53	8.7	128	36.2	51	6	30	21	182	408	X	X	BOTT
B.C. INLETS	148	53	20.0	128	54.5	51	7	1	19	365	542	X	X	BOTT
B.C. INLETS	149	53	26.6	128	56.5	51	7	1	20	274	326	X	X	BOTT
B.C. INLETS	150	53	32.9	128	59.6	51	7	1	22	219	249	X	X	BOTT
B.C. INLETS	151	53	32.7	128	53.6	51	7	1	23	137	216	X	X	BOTT
B.C. INLETS	152	53	34.2	128	47.4	51	7	2	1	137	170	X	X	BOTT
B.C. INLETS	153	53	29.8	128	41.7	51	7	2	15	137	195	X	X	BOTT
B.C. INLETS	154	53	25.3	128	32.9	51	7	2	17	182	219	X	X	BOTT
B.C. INLETS	155	53	26.7	128	25.0	51	7	2	18	274	402	X	X	BOTT
B.C. INLETS	156	53	28.8	128	20.4	51	7	2	20	365	438	X	X	BOTT
B.C. INLETS	157	53	28.0	128	13.0	51	7	2	21	365	457	X	X	BOTT
B.C. INLETS	158	53	27.8	128	8.5	51	7	2	22	9	313	X	X	BOTT
B.C. INLETS	159	53	16.0	127	55.5	51	7	3	15	137	167	X	X	BOTT
B.C. INLETS	160	53	19.9	127	56.8	51	7	3	17	182	219	X	X	BOTT
B.C. INLETS	161	53	23.8	128	4.0	51	7	3	18	137	256	X	X	BOTT
B.C. INLETS	162	53	27.0	128	7.4	51	7	3	19	137	304	X	X	BOTT

B.C. INLETS	163	53	29.2	128	20.4	51	7	3	21	13	512	X	X	BOTT
B.C. INLETS	164	53	25.3	128	32.9	51	7	3	22	13	225	X	X	BOTT
B.C. INLETS	165	53	36.2	128	50.4	51	7	4	15	137	179	X	X	BOTT
B.C. INLETS	166	53	41.0	128	49.4	51	7	4	16	228	313	X	X	BOTT
B.C. INLETS	167	53	45.4	128	49.4	51	7	4	18	274	329	X	X	BOTT
B.C. INLETS	168	53	33.2	128	59.2	51	7	5	16	219	259	X	X	BOTT
B.C. INLETS	169	53	28.7	129	4.5	51	7	5	17	137	188	X	X	BOTT
B.C. INLETS	170	53	23.2	129	8.3	51	7	5	19	274		X	X	BOTT
B.C. INLETS	171	53	20.6	129	11.1	51	7	5	20	274	411	X	X	BOTT
B.C. INLETS	172	53	19.2	129	2.0	51	7	5	21	274		X	X	BOTT
B.C. INLETS	173	53	19.1	128	54.5	51	7	5	22	365		X	X	BOTT
B.C. INLETS	174	53	22.1	129	11.1	51	7	8	17	274	481	X	X	BOTT
B.C. INLETS	175	53	25.5	129	12.3	51	7	8	18	274	408	X	X	BOTT
B.C. INLETS	176	53	31.7	129	12.1	51	7	8	20	274		X	X	BOTT
B.C. INLETS	177	53	37.8	129	12.0	51	7	8	21	274	329	X	X	BOTT
B.C. INLETS	178	53	41.2	129	6.4	51	7	8	22	274	420	X	X	BOTT
B.C. INLETS	179	53	44.5	129	1.0	51	7	9	15	274	368	X	X	BOTT
B.C. INLETS	180	53	46.8	128	54.6	51	7	9	17	274	365	X	X	BOTT
B.C. INLETS	181	53	50.4	128	48.3	51	7	9	18	274	310	X	X	BOTT
B.C. INLETS	182	53	54.6	128	43.5	51	7	9	20	182	219	X	X	BOTT
B.C. INLETS	183	53	58.6	128	40.5	51	7	9	21	137	152	X	X	BOTT
B.C. INLETS	184	54	1.4	128	37.3	51	7	10	17	24	36	X	X	BOTT
B.C. INLETS	185	53	58.6	128	40.5	51	7	11	15	54	146	X	X	BOTT
B.C. INLETS	186	53	54.6	128	43.5	51	7	11	16	54	225	X	X	BOTT
B.C. INLETS	187	53	50.3	128	35.7	51	7	11	18	137	213	X	X	BOTT
B.C. INLETS	188	53	50.4	128	31.9	51	7	11	19	137	158	X	X	BOTT
B.C. INLETS	189	53	51.0	128	42.6	51	7	11	20	137	213	X	X	BOTT
B.C. INLETS	190	53	50.4	128	48.3	51	7	11	22	54		X	X	BOTT
B.C. INLETS	191	53	44.5	129	1.0	51	7	12		45	368	X	X	BOTT
B.C. INLETS	192	53	37.8	129	12.0	51	7	12	15	91	329	X	X	BOTT
B.C. INLETS	193	53	25.5	129	12.3	51	7	12	17	365	408	X	X	BOTT
B.C. INLETS	194	53	25.0	129	24.3	51	7	12	20	228	304	X	X	BOTT
B.C. INLETS	195	53	31.1	129	34.2	51	7	12	22	91	134	X	X	BOTT
B.C. INLETS	196	53	38.4	129	44.0	51	7	12	23	42	91	X	X	BOTT
B.C. INLETS	197	53	42.4	129	48.4	51	7	13		137	198	X	X	BOTT
B.C. INLETS	198	53	48.4	129	58.0	51	7	13	15	91	170	X	X	BOTT
B.C. INLETS	199	53	51.8	130	3.2	51	7	13	16	91	158	X	X	BOTT
B.C. INLETS	200	53	59.7	130	12.8	51	7	13	18	91	115	X	X	BOTT
CHATHAM SOUND	201	54	15.0	130	31.3	51	7	16	17	68	97	X	X	BOTT
CHATHAM SOUND	202	54	24.0	130	33.5	51	7	16	18	91	128	X	X	BOTT
CHATHAM SOUND	203	54	34.8	130	32.2	51	7	16	20	182	256	X	X	BOTT
B.C. INLETS	204	54	35.8	130	20.0	51	7	16	22	118	140	X	X	BOTT
B.C. INLETS	205	54	35.2	130	20.4	51	7	17	15	91	146	X	X	BOTT
B.C. INLETS	206	54	29.2	130	14.0	51	7	17	16	274	310	X	X	BOTT
B.C. INLETS	207	54	23.4	130	6.5	51	7	17	19	137	170	X	X	BOTT
HECATE STRAIT	208	53	18.0	129	57.0	51	7	17	20	91	115	X	X	BOTT
B.C. INLETS	209	54	41.0	130	26.3	51	7	18	15	411	475	X	X	BOTT
B.C. INLETS	210	54	46.5	130	20.0	51	7	18	17	411	521	X	X	BOTT
B.C. INLETS	211	54	51.6	130	12.5	51	7	18	19	274	432	X	X	BOTT
B.C. INLETS	212	54	56.5	130	8.8	51	7	18	20	274	359	X	X	BOTT
B.C. INLETS	213	55	1.8	130	1.5	51	7	18	23	137	161	X	X	BOTT
B.C. INLETS	214	55	1.5	130	1.5	51	7	19	15	45	161	X	X	BOTT
B.C. INLETS	215	55	1.0	129	57.2	51	7	19	16	365		X	X	BOTT
B.C. INLETS	216	55	12.2	129	53.2	51	7	19	18	182		X	X	BOTT
B.C. INLETS	217	55	18.9	129	48.0	51	7	19	20	365	530	X	X	BOTT
B.C. INLETS	218	55	26.7	129	38.6	51	7	19	22	289	381	X	X	BOTT
B.C. INLETS	219	55	26.6	129	31.6	51	7	19	23	182	292	X	X	BOTT
B.C. INLETS	220	55	27.1	129	38.0	51	7	21	15	182		X	X	BOTT
B.C. INLETS	221	55	29.5	129	46.0	51	7	21	17	182	313	X	X	BOTT
B.C. INLETS	222	55	34.1	129	48.0	51	7	21	18	182	277	X	X	BOTT
B.C. INLETS	223	55	12.0	129	53.0	51	7	21	22	91		X	X	BOTT
B.C. INLETS	224	55	6.8	129	57.2	51	7	21	23	91	451	X	X	BOTT
B.C. INLETS	225	55	1.8	130	1.5	51	7	22		91	182	X	X	BOTT
B.C. INLETS	226	55	0.5	130	9.5	51	7	22	16	274	365	X	X	BOTT
B.C. INLETS	227	55	6.8	130	10.0	51	7	22	17	182	207	X	X	BOTT
B.C. INLETS	228	55	12.9	130	5.0	51	7	22	19	182	313	X	X	BOTT
B.C. INLETS	229	55	20.0	130	1.5	51	7	22	21	182	268	X	X	BOTT
B.C. INLETS	230	55	25.3	130	3.0	51	7	22	22	182	222	X	X	BOTT
B.C. INLETS	231	55	32.2	130	6.8	51	7	23		182	237	X	X	BOTT
B.C. INLETS	232	55	37.9	130	8.0	51	7	23	15	182	344	X	X	BOTT
B.C. INLETS	233	55	43.8	130	9.2	51	7	23	16	274	423	X	X	BOTT
B.C. INLETS	234	55	49.0	130	6.0	51	7	23	18	182		X	X	BOTT
B.C. INLETS	235	55	53.6	130	1.2	51	7	23	19	182	198	X	X	BOTT
B.C. INLETS	236	55	49.1	130	6.0	51	7	25	15	45	268	X	X	BOTT
B.C. INLETS	237	55	48.7	130	9.9	51	7	25	16	45	432	X	X	BOTT
B.C. INLETS	238	55	38.0	130	7.2	51	7	25	17	45	350	X	X	BOTT
B.C. INLETS	239	55	26.0	130	2.6	51	7	25	19	45	225	X	X	BOTT
B.C. INLETS	240	55	12.8	130	5.0	51	7	25	21	45	298	X	X	BOTT
B.C. INLETS	241	55	56.6	130	7.5	51	7	26	15	91	329	X	X	BOTT
B.C. INLETS	242	54	51.2	130	12.5	51	7	26	16	182	445	X	X	BOTT
B.C. INLETS	243	55	46.8	130	19.5	51	7	26	18	182	505	X	X	BOTT
B.C. INLETS	244	54	41.0	130	26.5	51	7	26	19	182		X	X	BOTT
B.C. INLETS	245	53	52.5	130	17.4	51	7	29		182	237	X	X	BOTT

B.C. INLETS	246	53 44.7	130 12.0	51	7 29	1	45	60	X X BOTT
B.C. INLETS	247	53 37.1	130 3.7	51	7 29	15	91	128	X X BOTT
HECATE STRAIT	248	53 19.5	129 46.5	51	7 29	18	137	188	X X BOTT
B.C. INLETS	249	52 53.7	129 7.8	51	7 30	19	137	182	X X BOTT
B.C. INLETS	250	52 54.2	129 4.6	51	7 30	19	228	283	X X BOTT
B.C. INLETS	251	52 57.1	128 59.3	51	7 30	21	118	137	X X BOTT
B.C. INLETS	252	53 1.5	128 55.7	51	7 30	22	118	152	X X BOTT
B.C. INLETS	253	52 37.4	128 52.9	51	7 31	18	137	219	X X BOTT
B.C. INLETS	254	52 40.8	128 45.0	51	7 31	20	274	408	X X BOTT
B.C. INLETS	255	52 46.6	128 46.0	51	7 31	21	274	310	X X BOTT
B.C. INLETS	256	52 51.1	128 43.5	51	7 31	22	320	384	X X BOTT
B.C. INLETS	257	52 55.1	128 0.0	51	7 31	23	137	182	X X BOTT

BOTTLE/CTD DATA SET NUMBER: 51-0012
YEAR: 1951 VESSEL/AGENCY: POG, CEDARWOOD

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					

Q. C. SOUND	34	51 38.5	130 46.5	51	5 13	16	500		X X BOTT
DIXON ENTRANCE	55	54 25.4	132 37.0	51	5 19	20	250	292	X X BOTT
DIXON ENTRANCE	56	54 35.1	132 22.5	51	5 19	22	150	219	X X BOTT
DIXON ENTRANCE	57	54 35.9	132 0.8	51	5 20		300		X X BOTT
DIXON ENTRANCE	58	54 26.5	131 46.8	51	5 20	2	250	307	X X BOTT
DIXON ENTRANCE	59	54 19.2	131 33.6	51	5 20	3	150	217	X X BOTT
DIXON ENTRANCE	60	54 7.8	131 2.6	51	5 22	2	75	102	X X BOTT
HECATE STRAIT	61	53 49.0	131 16.5	51	5 22	4	30	40	X X BOTT
HECATE STRAIT	62	53 29.2	131 30.0	51	5 22	7	25	27	X X BOTT
HECATE STRAIT	63	53 29.0	131 16.0	51	5 22	8	25	31	X X BOTT
HECATE STRAIT	64	53 28.5	131 2.0	51	5 22	9	50	65	X X BOTT
HECATE STRAIT	65	53 28.0	130 47.5	51	5 22	10	100	120	X X BOTT
HECATE STRAIT	66	53 8.5	130 17.5	51	5 22	14	150	201	X X BOTT
HECATE STRAIT	67	52 58.0	130 35.5	51	5 22	16	75	87	X X BOTT
HECATE STRAIT	68	52 47.7	130 54.5	51	5 22	17	40	45	X X BOTT
HECATE STRAIT	69	52 37.0	131 14.2	51	5 22	19	100	118	X X BOTT
HECATE STRAIT	70	52 5.0	130 50.0	51	5 23		150	217	X X BOTT
HECATE STRAIT	71	52 4.9	130 7.5	51	5 23	3	100	137	X X BOTT
HECATE STRAIT	72	52 3.0	129 25.6	51	5 23	7	100	182	X X BOTT
Q. C. SOUND	73	52 1.7	128 42.5	51	5 23	10	150	171	X X BOTT
Q. C. SOUND	74	51 45.8	128 33.5	51	5 23	12	100	133	X X BOTT
Q. C. SOUND	75	51 34.8	128 53.0	51	5 23	13	30	38	X X BOTT
Q. C. SOUND	76	51 23.0	129 12.0	51	5 23	15	32	43	X X BOTT
Q. C. SOUND	77	51 12.5	129 23.0	51	5 23	18	150	201	X X BOTT
Q. C. SOUND	78	51 6.6	128 55.2	51	5 23	20	100	128	X X BOTT
Q. C. SOUND	79	51 7.4	128 34.0	51	5 23	22	151	170	X X BOTT
Q. C. SOUND	80	51 1.5	128 12.0	51	5 24	1	150	155	X X BOTT
Q. C. SOUND	81	51 2.7	127 50.8	51	5 24	3	100	135	X X BOTT

BOTTLE/CTD DATA SET NUMBER: 51-0016
YEAR: 1951 VESSEL/AGENCY: POG, CEDARWOOD

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					

DIXON ENTRANCE		54 13.0	133 38.0	51	7 27		256		X X BOTT
DIXON ENTRANCE		54 16.2	133 09.0	51	7 27		228		X X BOTT
DIXON ENTRANCE		54 26.4	132 57.0	51	7 27		250	292	X X BOTT
Q. C. SOUND	46	51 6.0	129 30.0	51	7 23	19	200	246	X X BOTT
Q. C. SOUND	47	51 6.0	128 58.0	51	7 23	22	75	109	X X BOTT
Q. C. SOUND	48	51 6.0	128 27.0	51	7 24	1	125	157	X X BOTT
Q. C. SOUND	49	51 23.0	128 27.0	51	7 24	3	125	146	X X BOTT
Q. C. SOUND	50	51 41.0	128 27.0	51	7 24	6	100	124	X X BOTT
Q. C. SOUND	51	51 42.0	128 56.0	51	7 24	9	50	56	X X BOTT
Q. C. SOUND	52	51 42.0	129 27.5	51	7 24	13	50	78	X X BOTT
Q. C. SOUND	53	51 32.5	130 0.0	51	7 24	17	150	182	X X BOTT
Q. C. SOUND	54	51 56.0	130 30.0	51	7 24	20	200	384	X X BOTT
DIXON ENTRANCE	73	54 36.0	132 46.0	51	7 27	7	125	146	X X BOTT

DIXON ENTRANCE	74	54	23.5	132	31.0	51	7	27	9	200	256	X	X	BOTT
DIXON ENTRANCE	75	54	12.9	132	20.2	51	7	27	11	100	129	X	X	BOTT
DIXON ENTRANCE	76	54	24.0	132	6.8	51	7	27	13	200	292	X	X	BOTT
DIXON ENTRANCE	77	54	35.0	131	47.4	51	7	27	16	250	320	X	X	BOTT
DIXON ENTRANCE	78	54	22.6	131	4.5	51	8	1		75	95	X	X	BOTT
DIXON ENTRANCE	79	54	28.0	131	22.5	51	8	1	2	150	182	X	X	BOTT
DIXON ENTRANCE	80	54	34.0	131	46.6	51	8	1	4	250	310	X	X	BOTT
DIXON ENTRANCE	81	54	24.0	132	1.4	51	8	1	7	150	182	X	X	BOTT
DIXON ENTRANCE	82	54	13.0	132	15.0	51	8	1	9	100	128	X	X	BOTT
DIXON ENTRANCE	83	54	24.6	132	31.0	51	8	1	11	200	246	X	X	BOTT
DIXON ENTRANCE	84	54	36.0	132	46.0	51	8	1	13	75	106	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 51-0017
YEAR:1951 VESSEL/AGENCY: POG,CEDARWOOD

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	(M)	(M)		C	S	T
DIXON ENTRANCE		54 18.0	133 06.0	51 8 1 17	125	421		X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 53-0015A
YEAR:1953 VESSEL/AGENCY: CANCOLIM II

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	(M)	(M)		C	S	T		
Q. C. SOUND	14	51	4.4	127 42.8	53	6 14	18	100	117	X	X	BOTT
Q. C. SOUND	15	51	1.1	127 51.8	53	6 14	19	125	132	X	X	BOTT
Q. C. SOUND	16	50	54.2	128 1.8	53	6 14	22	24	161	X	X	BOTT
Q. C. STRAIT	17	50	53.15	127 56.2	53	6 15		91	113	X	X	BOTT
Q. C. STRAIT	90	50	53.8	127 22.4	53	6 23	2	82	110	X	X	BOTT
Q. C. STRAIT	99	50	56.28	127 49.25	53	6 26	18	33	40	X	X	BOTT
Q. C. STRAIT	100	50	53.6	127 50.3	53	6 26	20	30	18	X	X	BOTT
Q. C. SOUND	101	50	57.2	127 53.8	53	6 26	22	15	18	X	X	BOTT
Q. C. SOUND	102	50	55.85	127 57.8	53	6 26	22	15	18	X	X	BOTT
Q. C. SOUND	103	50	54.2	128 2.1	53	6 26	23	20	24	X	X	BOTT
Q. C. SOUND	104	50	52.78	127 53.4	53	6 27	1	165		X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 53-0015B
YEAR:1953 VESSEL/AGENCY: UBC,CANCOLIM II

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	(M)	(M)		C	S	T		
HECATE STRAIT	6	53	2.3	131 53.6	53	7 18	13	117	109	X	X	BOTT
HECATE STRAIT	7	53	0.9	131 43.6	53	7 18	16	39	43	X	X	BOTT
HECATE STRAIT	8	53	0.0	131 38.8	53	7 18	19	9	10	X	X	BOTT
HECATE STRAIT	10	53	2.4	131 53.3	53	7 19	1	110	133	X	X	BOTT
HECATE STRAIT	11	53	8.6	131 34.6	53	7 19	4	24		X	X	BOTT
HECATE STRAIT	12	53	20.8	131 33.6	53	7 19	7	32	34	X	X	BOTT
HECATE STRAIT	13	53	41.1	131 24.4	53	7 19	9	18	18	X	X	BOTT
DIXON ENTRANCE	14	54	13.6	131 44.0	53	7 19	17	125	131	X	X	BOTT
DIXON ENTRANCE	15	54	8.7	132 13.9	53	7 20	14	55	58	X	X	BOTT
MASSET	16	53	59.9	132 8.9	53	7 20	16	18	18	X	X	BOTT
DIXON ENTRANCE	23	54	12.1	132 12.6	53	7 21	20	110	109	X	X	BOTT
DIXON ENTRANCE	24	54	14.3	132 27.0	53	7 22	22	132	131	X	X	BOTT
DIXON ENTRANCE	49	54	9.0	132 12.2	53	7 30	4	48	51	X	X	BOTT
DIXON ENTRANCE	50	54	11.8	131 57.8	53	7 30	6	91	100	X	X	BOTT
DIXON ENTRANCE	51	54	17.0	131 30.0	53	7 30	8	91	109	X	X	BOTT

DIXON ENTRANCE	52	54	7.5	131	14.3	53	7	30	10	28	31	X	X	BOTT
HECATE STRAIT	53	54	1.3	131	4.3	53	7	30	12	70	73	X	X	BOTT
HECATE STRAIT	54	53	55.7	130	54.2	53	7	30	14	36	36	X	X	BOTT
HECATE STRAIT	55	54	2.2	130	46.1	53	7	30	15	75	78	X	X	BOTT
Q. C. SOUND	86	51	50.8	130	51.0	53	8	9	21	205	226	X	X	BOTT
Q. C. SOUND	87	51	38.7	130	19.6	53	8	10	1	400	446	X	X	BOTT
Q. C. SOUND	88	51	27.2	129	48.0	53	8	10	6	168	173	X	X	BOTT
Q. C. SOUND	89	51	15.5	129	16.5	53	8	10	9	250	257	X	X	BOTT
Q. C. SOUND	90	51	3.8	128	44.5	53	8	10	13	79	80	X	X	BOTT
Q. C. SOUND	91	50	56.5	128	14.4	53	8	10	16	42	42	X	X	BOTT
Q. C. SOUND	92	50	54.3	128	1.7	53	8	10	18	20	X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 54-0012A
YEAR: 1954 VESSEL/AGENCY: CEDARWOOD

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER MEAS (M)	PARAM C S T	INSTR	INT NO HR
Q. C. SOUND	4	51 8.0	127 45.7	54 5 6 20	70	80		X	X BOTT
Q. C. SOUND	5	51 1.7	127 53.0	54 5 6 22	100	144		X	X BOTT
Q. C. SOUND	6	50 54.6	128 4.9	54 5 7	20	29		X	X BOTT
Q. C. SOUND	7	50 54.5	128 24.2	54 5 7 1	50	60		X	X BOTT
Q. C. SOUND	8	50 54.8	128 43.5	54 5 7 3	75	96		X	X BOTT
Q. C. SOUND	9	50 55.3	129 7.2	54 5 7 5	75	45		X	X BOTT
Q. C. SOUND	10	51 3.2	128 38.4	54 5 7 8	65	82		X	X BOTT
Q. C. SOUND	11	51 10.1	128 8.0	54 5 7 11	65	80		X	X BOTT
Q. C. SOUND	12	51 14.0	127 52.2	54 5 7 13	90	95		X	X BOTT
Q. C. SOUND	13	51 27.6	128 7.5	54 5 7 16	90	96		X	X BOTT
Q. C. SOUND	14	51 19.5	128 28.0	54 5 7 18	120	131		X	X BOTT
Q. C. SOUND	15	51 10.0	128 52.0	54 5 7 21	100	126		X	X BOTT
Q. C. SOUND	16	50 58.7	129 13.4	54 5 7 23	150	170		X	X BOTT
Q. C. SOUND	17	51 13.4	129 40.1	54 5 8 3	300	347		X	X BOTT
Q. C. SOUND	18	51 23.0	129 14.0	54 5 8 6	60	67		X	X BOTT
Q. C. SOUND	19	51 32.0	128 53.0	54 5 8 9	70	85		X	X BOTT
Q. C. SOUND	20	51 43.4	128 26.5	54 5 8 12	130	148		X	X BOTT
Q. C. SOUND	21	52 12.7	128 38.1	54 5 8 15	200	237		X	X BOTT
HECATE STRAIT	22	52 3.2	129 5.3	54 5 8 18	150	168		X	X BOTT
Q. C. SOUND	23	51 53.5	129 30.5	54 5 8 21	200	243		X	X BOTT
Q. C. SOUND	24	51 44.6	129 54.2	54 5 9	200	329		X	X BOTT
Q. C. SOUND	25	51 34.5	130 18.0	54 5 9 3	300	640		X	X BOTT
Q. C. SOUND	26	51 54.8	130 51.7	54 5 9 7	150	159		X	X BOTT
HECATE STRAIT	27	52 2.7	130 30.0	54 5 9 9	200	420		X	X BOTT
HECATE STRAIT	28	52 11.1	130 5.2	54 5 9 12	220	237		X	X BOTT
HECATE STRAIT	29	52 23.9	129 39.5	54 5 9 15	180	175		X	X BOTT
HECATE STRAIT	30	52 29.4	129 11.6	54 5 9 18	165	173		X	X BOTT
HECATE STRAIT	31	52 54.0	129 22.1	54 5 9 21	250	274		X	X BOTT
HECATE STRAIT	32	52 46.1	129 42.9	54 5 10 1	190	202		X	X BOTT
HECATE STRAIT	33	52 35.9	130 9.2	54 5 10 3	220	265		X	X BOTT
HECATE STRAIT	34	52 26.6	130 34.5	54 5 10 5	130	137		X	X BOTT
HECATE STRAIT	35	52 17.5	130 58.0	54 5 10 7	140	155		X	X BOTT
HECATE STRAIT	36	52 39.0	131 16.1	54 5 10 11	125	146		X	X BOTT
HECATE STRAIT	37	52 45.7	130 59.2	54 5 10 12	35	40		X	X BOTT
HECATE STRAIT	38	52 55.5	131 14.7	54 5 10 15	90	100		X	X BOTT
HECATE STRAIT	39	53 6.7	130 7.7	54 5 10 17	125	124		X	X BOTT
HECATE STRAIT	40	53 34.0	130 43.8	54 5 10 22	175	148		X	X BOTT
HECATE STRAIT	41	53 26.6	131 3.1	54 5 11	55	62		X	X BOTT
HECATE STRAIT	42	53 20.5	131 34.0	54 5 11 2	30	38		X	X BOTT
HECATE STRAIT	43	53 43.6	131 42.0	54 5 11 5	20	18		X	X BOTT
HECATE STRAIT	44	53 46.2	131 15.0	54 5 11 7	37	42		X	X BOTT
HECATE STRAIT	45	53 49.0	130 45.0	54 5 11 9	95	100		X	X BOTT
HECATE STRAIT	46	54 0.0	130 43.2	54 5 11 11	85	91		X	X BOTT
HECATE STRAIT	47	54 0.0	131 2.1	54 5 11 13	75	91		X	X BOTT
HECATE STRAIT	48	54 0.0	131 30.1	54 5 11 15	15	18		X	X BOTT
DIXON ENTRANCE	49	54 10.2	131 29.0	54 5 11 17	15	20		X	X BOTT
DIXON ENTRANCE	50	54 10.0	131 13.0	54 5 11 18	20	21		X	X BOTT
CHATHAM SOUND	51	54 10.0	130 54.5	54 5 11 20	75	109		X	X BOTT
CHATHAM SOUND	52	54 20.9	130 37.2	54 5 11 22	150	170		X	X BOTT
CHATHAM SOUND	53	54 19.3	130 51.1	54 5 11 23	175	228		X	X BOTT
DIXON ENTRANCE	54	54 20.0	131 11.7	54 5 12 1	70	76		X	X BOTT
DIXON ENTRANCE	55	54 20.0	131 29.6	54 5 12 3	150	164		X	X BOTT
DIXON ENTRANCE	56	54 34.0	131 30.5	54 5 12 6	125	129		X	X BOTT
DIXON ENTRANCE	57	54 34.0	131 12.7	54 5 12 7	70	82		X	X BOTT
DIXON ENTRANCE	58	54 40.0	130 38.3	54 5 12 11	230	259		X	X BOTT
DIXON ENTRANCE	61	54 39.5	132 0.0	54 5 12 18	150	182		X	X BOTT
DIXON ENTRANCE	62	54 25.5	132 0.0	54 5 12 21	280	310		X	X BOTT

DIXON ENTRANCE	63	54 10.0	132 0.0	54	5 12 23	65	76	X X BOTT
DIXON ENTRANCE	64	54 10.0	132 30.0	54	5 13 1	50	69	X X BOTT
DIXON ENTRANCE	65	54 24.5	132 30.0	54	5 13 4	270	365	X X BOTT
DIXON ENTRANCE	66	54 39.6	132 30.0	54	5 13 6	150	182	X X BOTT
DIXON ENTRANCE	69	54 43.8	133 01.5	54	5 13 09	200	219	X X BOTT
DIXON ENTRANCE	70	54 30.3	133 00.0	54	5 12 11	300	366	X X BOTT
DIXON ENTRANCE	71	54 18.5	133 00.0	54	5 13 13	400	457	X X BOTT
DIXON ENTRANCE	72	54 00.0	133 30.0	54	5 13 16	150	168	X X BOTT
DIXON ENTRANCE	73	54 17.0	133 30.0	54	5 13 19	300	347	X X BOTT
HECATE STRAIT	74	53 15.5	131 30.3	54	5 21 19	20	20	X X BOTT
DIXON ENTRANCE	74	54 34.4	133 30.0	54	5 13 21	340	366	X X BOTT
HECATE STRAIT	75	53 26.6	131 4.2	54	5 21 22	50	60	X X BOTT
HECATE STRAIT	76	53 26.6	131 4.2	54	5 24 1	60	65	X X BOTT
HECATE STRAIT	77	53 36.3	130 43.8	54	5 26 7	100	182	X X BOTT
HECATE STRAIT	78	53 40.0	130 27.0	54	5 26 9	125	133	X X BOTT
HECATE STRAIT	79	52 52.1	130 52.2	54	5 26 15	60	89	X X BOTT
HECATE STRAIT	80	52 26.0	130 35.0	54	5 26 18	125	144	X X BOTT
HECATE STRAIT	81	52 9.5	130 3.0	54	5 26 21	220	250	X X BOTT
Q. C. SOUND	82	51 52.8	129 31.0	54	5 27	220		X X BOTT
Q. C. SOUND	83	51 32.2	128 51.0	54	5 27 4	33	42	X X BOTT
Q. C. SOUND	84	51 16.7	128 27.4	54	5 27 7	100	128	X X BOTT
Q. C. SOUND	85	51 10.0	128 8.4	54	5 27 9	75	93	X X BOTT
Q. C. SOUND	86	51 1.7	127 54.6	54	5 27 11	125	140	X X BOTT

BOTTLE/CTD DATA SET NUMBER: 54-0012B
YEAR: 1954 VESSEL/AGENCY: EHKOLI

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER MEAS (M)	PARAM C S T	INSTR INT NO HR
Q. C. SOUND	4	51 7.6	127 45.1	54 7 1 14	55	65	X X BOTT	
Q. C. SOUND	5	51 1.3	127 54.0	54 7 1 15	100	124	X X BOTT	
Q. C. SOUND	6	50 53.9	128 3.5	54 7 1 17	20	25	X X BOTT	
Q. C. SOUND	7	50 53.7	128 23.0	54 7 1 19	50	69	X X BOTT	
Q. C. SOUND	8	50 53.3	128 42.4	54 7 1 21	50	60	X X BOTT	
Q. C. SOUND	9	50 54.3	129 2.8	54 7 1 23	50	58	X X BOTT	
Q. C. SOUND	10	51 2.5	128 37.0	54 7 2 2	60	76	X X BOTT	
Q. C. SOUND	11	51 10.0	128 7.0	54 7 2 5	30	76	X X BOTT	
Q. C. SOUND	12	51 14.2	127 53.1	54 7 2 6	100	128	X X BOTT	
Q. C. SOUND	13	51 28.0	128 7.0	54 7 2 9	60	71	X X BOTT	
Q. C. SOUND	14	51 20.0	128 27.0	54 7 2 12	115	128	X X BOTT	
Q. C. SOUND	15	51 10.0	128 51.0	54 7 2 14	100	128	X X BOTT	
Q. C. SOUND	16	51 0.0	129 15.0	54 7 2 17	125	151	X X BOTT	
Q. C. SOUND	17	51 13.0	129 39.0	54 7 2 20	300	402	X X BOTT	
Q. C. SOUND	18	51 27.0	129 15.0	54 7 2 23	60	73	X X BOTT	
Q. C. SOUND	19	51 40.5	128 51.0	54 7 3 1	30	40	X X BOTT	
Q. C. SOUND	20	51 47.9	128 31.0	54 7 3 4	125	135	X X BOTT	
Q. C. SOUND	21	52 13.0	128 38.5	54 7 4 15	225	245	X X BOTT	
HECATE STRAIT	22	52 2.5	129 5.5	54 7 4 18	150	160	X X BOTT	
Q. C. SOUND	23	51 53.0	129 31.0	54 7 4 21	230	248	X X BOTT	
Q. C. SOUND	24	51 44.0	129 54.0	54 7 5	300	336	X X BOTT	
Q. C. SOUND	25	51 33.5	130 18.0	54 7 5 3	500	731	X X BOTT	
Q. C. SOUND	26	51 51.0	130 52.0	54 7 5 8	190	208	X X BOTT	
Q. C. SOUND	27	52 0.0	130 27.0	54 7 5 11	300	420	X X BOTT	
HECATE STRAIT	28	52 10.0	130 3.0	54 7 5 14	140	151	X X BOTT	
HECATE STRAIT	29	52 26.2	129 33.8	54 7 5 16	140	149	X X BOTT	
HECATE STRAIT	30	52 46.2	129 43.0	54 7 5 19	150	164	X X BOTT	
HECATE STRAIT	31	52 36.0	130 10.5	54 7 5 22	225	243	X X BOTT	
HECATE STRAIT	32	52 26.5	130 35.0	54 7 6	125	135	X X BOTT	
HECATE STRAIT	33	52 16.5	131 0.0	54 7 6 3	100	117	X X BOTT	
HECATE STRAIT	34	52 36.5	131 22.5	54 7 6 7	70	76	X X BOTT	
HECATE STRAIT	35	52 42.9	131 7.0	54 7 6 9	30	36	X X BOTT	
HECATE STRAIT	36	52 52.0	130 43.0	54 7 6 11	42	47	X X BOTT	
HECATE STRAIT	37	53 6.0	130 16.0	54 7 6 14	175	201	X X BOTT	
HECATE STRAIT	38	53 8.5	130 0.3	54 7 6 16	150	171	X X BOTT	
HECATE STRAIT	39	53 34.5	130 43.8	54 7 6 21	145	155	X X BOTT	
HECATE STRAIT	40	53 27.1	131 3.0	54 7 6 23	30	45	X X BOTT	
HECATE STRAIT	41	53 16.3	131 31.0	54 7 7 1	20	25	X X BOTT	
HECATE STRAIT	42	53 44.0	131 40.2	54 7 7 5	10	18	X X BOTT	
HECATE STRAIT	43	54 0.0	131 30.0	54 7 7 7	10	16	X X BOTT	
DIXON ENTRANCE	44	54 10.0	131 30.0	54 7 7 8	10	18	X X BOTT	
CHATHAM SOUND	45	54 10.0	130 54.4	54 7 13 15	80	87	X X BOTT	
DIXON ENTRANCE	46	54 10.0	131 13.0	54 7 13 17	10	21	X X BOTT	
DIXON ENTRANCE	47	54 10.0	131 30.0	54 7 13 18	10	18	X X BOTT	
DIXON ENTRANCE	48	54 20.0	131 29.7	54 7 13 20	165	182	X X BOTT	

DIXON ENTRANCE	49	54	19.5	131	13.5	54	7	13	21	60	69	X	X	BOTT
CHATHAM SOUND	50	54	19.4	130	52.5	54	7	13	23	175	219	X	X	BOTT
CHATHAM SOUND	51	54	20.4	130	37.2	54	7	14	1	175	168	X	X	BOTT
DIXON ENTRANCE	52	54	40.0	130	38.5	54	7	14	4	200	223	X	X	BOTT
DIXON ENTRANCE	54	54	34.0	131	12.8	54	7	14	9	100	117	X	X	BOTT
DIXON ENTRANCE	55	54	34.0	131	29.5	54	7	14	11	110	120	X	X	BOTT
DIXON ENTRANCE	57	54	39.5	132	0.0	54	7	14	15	170	182	X	X	BOTT
DIXON ENTRANCE	58	54	25.5	131	59.0	54	7	14	17	280	303	X	X	BOTT
DIXON ENTRANCE	59	54	10.0	132	0.0	54	7	14	19	60	65	X	X	BOTT
DIXON ENTRANCE	60	54	10.0	132	29.5	54	7	14	22	60	73	X	X	BOTT
DIXON ENTRANCE	61	54	25.5	132	30.0	54	7	15	1	300	310	X	X	BOTT
DIXON ENTRANCE	62	54	39.5	132	29.5	54	7	15	3	165	182	X	X	BOTT
DIXON ENTRANCE	69	54	43.3	133	00.0	54	7	15	06	190	205	X	X	BOTT
DIXON ENTRANCE	70	54	29.0	132	58.0	54	7	15	09	300	329	X	X	BOTT
DIXON ENTRANCE	71	54	17.5	133	00.0	54	7	15	10	300	438	X	X	BOTT
DIXON ENTRANCE	72	54	00.0	133	30.0	54	7	15	14	150	168	X	X	BOTT
DIXON ENTRANCE	73	54	17.0	133	30.0	54	7	15	17	240	252	X	X	BOTT
DIXON ENTRANCE	74	54	34.5	133	30.0	54	7	15	19	275	311	X	X	BOTT
DIXON ENTRANCE	75	54	49.5	133	25.5	54	7	15	21	100	183	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 54-0012C
YEAR: 1954 VESSEL/AGENCY: POG/CEDARWOOD

YEAR. 1955.

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			

Q. C. SOUND	1	50	56.2	129	7.3	54	8	18	6	75	91	X	BOTT
	2	50	50.5	128	44.0	54	8	18	8	65	76	X	BOTT
Q. C. SOUND	3	51	2.5	128	35.7	54	8	18	9	80	87	X	BOTT
Q. C. SOUND	4	50	54.5	128	24.0	54	8	18	11	45	53	X	BOTT
Q. C. SOUND	5	50	54.4	128	4.4	54	8	18	12	20	27	X	BOTT
Q. C. STRAIT	8	50	53.6	127	21.1	54	8	18	17	100	120	X	BOTT
Q. C. SOUND	9	51	7.2	127	45.7	54	8	18	20	85	95	X	BOTT
Q. C. SOUND	10	51	1.5	127	52.7	54	8	18	21	140	144	X	BOTT
Q. C. SOUND	11	51	10.0	128	8.3	54	8	18	22	90	100	X	BOTT
Q. C. SOUND	12	51	14.1	127	52.3	54	8	19	19	75	113	X	BOTT
Q. C. SOUND	13	51	27.6	128	7.5	54	8	19	2	75	87	X	BOTT
Q. C. SOUND	14	51	19.2	128	28.2	54	8	19	4	145	157	X	BOTT
Q. C. SOUND	15	51	10.0	128	49.0	54	8	19	6	100	109	X	BOTT
Q. C. SOUND	16	50	59.0	129	16.2	54	8	19	10	150	168	X	BOTT
Q. C. SOUND	17	51	12.8	129	40.5	54	8	19	12	375	409	X	BOTT
Q. C. SOUND	18	51	22.2	129	15.7	54	8	19	15	120	131	X	BOTT
Q. C. SOUND	19	51	31.4	128	53.0	54	8	19	17	45	51	X	BOTT
Q. C. SOUND	20	51	40.5	128	30.0	54	8	19	19	120	138	X	BOTT
Q. C. SOUND	21	52	12.5	128	38.2	54	8	19	23	230	239	X	BOTT
HECATE STRAIT	22	52	2.5	129	5.0	54	8	20	1	120	135	X	BOTT
Q. C. SOUND	23	51	52.7	129	30.7	54	8	20	2	225	237	X	BOTT
Q. C. SOUND	24	51	43.0	129	57.5	54	8	20	6	200	351	X	BOTT
Q. C. SOUND	25	51	34.0	130	22.0	54	8	20	8	600	X	BOTT	
Q. C. SOUND	26	51	55.0	130	51.7	54	8	20	12	140	160	X	BOTT
HECATE STRAIT	27	52	2.5	130	29.5	54	8	20	14	300	343	X	BOTT
HECATE STRAIT	28	52	11.0	130	2.5	54	8	20	16	135	148	X	BOTT
HECATE STRAIT	29	52	19.8	129	33.7	54	8	20	18	175	186	X	BOTT
HECATE STRAIT	30	52	29.5	129	11.6	54	8	20	21	140	160	X	BOTT
HECATE STRAIT	31	52	53.6	129	21.4	54	8	21		250	259	X	BOTT
HECATE STRAIT	32	52	46.0	129	43.7	54	8	21	2	150	160	X	BOTT
HECATE STRAIT	33	52	35.0	130	9.7	54	8	21	4	250	263	X	BOTT
HECATE STRAIT	34	52	25.0	130	35.0	54	8	21	6	125	135	X	BOTT
HECATE STRAIT	35	52	17.2	130	58.5	54	8	21	8	100	149	X	BOTT
HECATE STRAIT	36	52	36.6	131	22.9	54	8	21	11	75	118	X	BOTT
HECATE STRAIT	37	52	43.0	131	6.5	54	8	21	13	35	40	X	BOTT
HECATE STRAIT	38	52	49.2	130	50.5	54	8	21	14	35	43	X	BOTT
HECATE STRAIT	39	52	59.5	130	23.5	54	8	21	17	165	179	X	BOTT
HECATE STRAIT	40	53	8.8	130	1.0	54	8	21	18	100	131	X	BOTT
HECATE STRAIT	41	53	40.5	130	26.5	54	8	22		120	135	X	BOTT
HECATE STRAIT	42	53	34.0	130	43.8	54	8	22	2	170	179	X	BOTT
HECATE STRAIT	43	53	26.5	131	4.0	54	8	22	3	37	42	X	BOTT
HECATE STRAIT	44	53	16.0	131	29.5	54	8	22	5	20	27	X	BOTT
HECATE STRAIT	45	53	43.7	131	4.3	54	8	22	9	10	14	X	BOTT
HECATE STRAIT	46	53	46.7	131	11.4	54	8	22	11	30	43	X	BOTT
HECATE STRAIT	47	53	49.0	130	45.0	54	8	22	12	90	102	X	BOTT
HECATE STRAIT	48	54	0.0	130	43.0	54	8	22	14	75	87	X	BOTT
HECATE STRAIT	49	54	0.0	131	2.4	54	8	22	15	70	87	X	BOTT
HECATE STRAIT	50	54	1.2	131	29.0	54	8	22	17	18	18	X	BOTT
DIXON ENTRANCE	51	54	10.5	131	30.4	54	8	22	18	18	20	X	BOTT

DIXON ENTRANCE	52	54 11.0	131 12.5	54	8 22 19	25	27	X X BOTT
CHATHAM SOUND	53	54 9.7	130 54.3	54	8 22 21	85	95	X X BOTT
CHATHAM SOUND	54	54 20.2	130 37.4	54	8 22 22	175	197	X X BOTT
CHATHAM SOUND	55	54 19.5	130 52.5	54	8 23	200	219	X X BOTT
DIXON ENTRANCE	56	54 20.0	131 13.0	54	8 23 1	50	62	X X BOTT
DIXON ENTRANCE	57	54 20.0	131 29.6	54	8 23 3	150	168	X X BOTT
DIXON ENTRANCE	58	54 34.5	131 29.0	54	8 23 5	131	131	X X BOTT
DIXON ENTRANCE	59	54 34.0	131 13.8	54	8 23 6	75	137	X X BOTT
DIXON ENTRANCE	60	54 40.0	130 38.0	54	8 23 9	200	256	X X BOTT
DIXON ENTRANCE	63	54 38.7	132 0.0	54	8 23 15	150	168	X X BOTT
DIXON ENTRANCE	64	54 26.2	132 0.0	54	8 23 16	275	301	X X BOTT
DIXON ENTRANCE	65	54 10.0	131 59.0	54	8 23 18	60	69	X X BOTT
DIXON ENTRANCE	66	54 10.0	132 30.0	54	8 23 21	75	80	X X BOTT
DIXON ENTRANCE	67	54 25.5	132 30.0	54	8 24	200	292	X X BOTT
DIXON ENTRANCE	68	54 39.7	132 30.0	54	8 24	150	182	X X BOTT
DIXON ENTRANCE	69	54 43.3	133 00.0	54	8 24 03	130	157	X X BOTT
DIXON ENTRANCE	70	54 30.3	133 00.0	54	8 24 05	141	183	X X BOTT
DIXON ENTRANCE	71	54 18.5	133 02.0	54	8 24 06	400	435	X X BOTT
HECATE STRAIT	72	52 51.7	130 10.8	54	9 2 5	200	234	X X BOTT
HECATE STRAIT	73	52 40.0	130 40.0	54	9 2 9	130	137	X X BOTT
HECATE STRAIT	74	52 40.0	130 40.0	54	9 4 12	120	128	X X BOTT
HECATE STRAIT	75	52 30.2	131 7.7	54	9 4 19	75	95	X X BOTT
Q. C. SOUND	76	50 54.6	128 4.5	54	9 7 16	25	29	X X BOTT

BOTTLE/CTD DATA SET NUMBER: 54-0012D
YEAR: 1954 VESSEL/AGENCY: CEDARWOOD

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			
Q. C. STRAIT	3	50 53.7	127 21.5	54 11 18 22	120	137		X	X	BOTT
Q. C. SOUND	4	51 7.3	127 45.3	54 11 19	75	91		X	X	BOTT
Q. C. SOUND	6	51 7.3	127 44.8	54 12 1 6	75	82		X	X	BOTT
Q. C. SOUND	7	51 14.5	127 52.5	54 12 1 8	100	131		X	X	BOTT
Q. C. SOUND	8	51 10.0	128 8.0	54 12 1 9	50	69		X	X	BOTT
Q. C. SOUND	9	51 3.0	128 32.1	54 12 1 11	100	122		X	X	BOTT
Q. C. SOUND	10	50 55.4	129 5.2	54 12 1 14	75	87		X	X	BOTT
Q. C. SOUND	11	51 0.3	129 14.6	54 12 1 15	125	153		X	X	BOTT
Q. C. SOUND	13	51 22.5	129 15.0	54 12 1 21	90	107		X	X	BOTT
Q. C. SOUND	14	51 32.0	128 51.0	54 12 1 23	35	40		X	X	BOTT
Q. C. SOUND	15	51 45.2	128 25.7	54 12 2 1	125	146		X	X	BOTT
Q. C. SOUND	16	52 13.2	128 39.7	54 12 2 4	250	292		X	X	BOTT
Q. C. SOUND	17	51 53.0	129 30.5	54 12 2 9	225	256		X	X	BOTT
Q. C. SOUND	18	51 33.6	130 18.1	54 12 2 13	300	859		X	X	BOTT
Q. C. SOUND	19	51 52.3	130 48.6	54 12 2 16	200	237		X	X	BOTT
HECATE STRAIT	20	52 10.0	130 2.0	54 12 2 20	125	149		X	X	BOTT
HECATE STRAIT	21	52 21.5	129 27.5	54 12 2 23	100	135		X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 55-0012
YEAR: 1955 VESSEL/AGENCY: UBC, CEDARWOOD

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			
SMITH INLET	23	51 16.3	127 45.3	55 7 10 14	100	119		X	X	BOTT
SMITH INLET	24	51 18.7	127 35.1	55 7 10 16	150	174		X	X	BOTT
SMITH INLET	25	51 18.5	127 27.6	55 7 10 17	200	265		X	X	BOTT
SMITH INLET	26	51 17.6	127 19.5	55 7 10 19	300	329		X	X	BOTT
SMITH INLET	27	51 18.7	127 13.2	55 7 10 20	200	284		X	X	BOTT
SMITH INLET	28	51 22.0	127 7.1	55 7 10 22	181	184		X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 55-0013
YEAR: 1955 VESSEL/AGENCY: CEDARWOOD

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR	INT NO	
					DEG	MIN	DEG			MIN
					(M)	(M)	C	S	T	
Q. C. SOUND	1	50 47.1	127 26.3	55 06 23 16	300	329	X	X	BOTT	
Q. C. SOUND	1	51 10.0	128 8.7	55 6 9 6	75	82	X	X	BOTT	
Q. C. SOUND	2	50 00.8	127 23.5	55 06 23 15	120	132	X	X	BOTT	
Q. C. SOUND	2	51 19.5	128 27.0	55 6 9 9	146	153	X	X	BOTT	
Q. C. SOUND	3	50 53.9	127 01.3	55 06 23 15	90	73	X	X	BOTT	
Q. C. SOUND	3	51 32.3	128 51.0	55 6 9 10	35	43	X	X	BOTT	
Q. C. SOUND	4	51 52.9	129 30.0	55 6 9 13	125	241	X	X	BOTT	
HECATE STRAIT	5	52 9.5	130 3.1	55 6 9 16	175	186	X	X	BOTT	
HECATE STRAIT	6	52 26.5	130 35.0	55 6 9 19	115	124	X	X	BOTT	
HECATE STRAIT	7	52 43.3	131 6.5	55 6 9 22	30	36	X	X	BOTT	
HECATE STRAIT	8	53 17.0	131 20.0	55 6 10 2	20	27	X	X	BOTT	
HECATE STRAIT	9	53 44.4	131 41.3	55 6 10 5	15	16	X	X	BOTT	
HECATE STRAIT	10	53 46.0	131 15.0	55 6 10 8	30	38	X	X	BOTT	
HECATE STRAIT	11	53 49.8	130 51.0	55 6 10 10	65	80	X	X	BOTT	
HECATE STRAIT	12	54 0.0	130 43.2	55 6 10 13	75	91	X	X	BOTT	
HECATE STRAIT	13	53 59.8	130 43.6	55 6 13 21	75	87	X	X	BOTT	
HECATE STRAIT	14	54 0.0	131 2.0	55 6 13 22	75	80	X	X	BOTT	
HECATE STRAIT	15	53 59.8	131 30.6	55 6 14 1	15	21	X	X	BOTT	
DIXON ENTRANCE	16	54 10.0	131 30.8	55 6 14 2	20	29	X	X	BOTT	
DIXON ENTRANCE	17	54 10.1	131 10.8	55 6 14 3	75	98	X	X	BOTT	
DIXON ENTRANCE	18	54 10.0	130 58.0	55 6 14 5	75	128	X	X	BOTT	
CHATHAM SOUND	19	54 20.3	130 36.9	55 6 14 6	10	186	X	X	BOTT	
CHATHAM SOUND	20	54 19.7	130 52.3	55 6 14 8	50	62	X	X	BOTT	
DIXON ENTRANCE	21	54 20.1	131 12.5	55 6 14 9	100	179	X	X	BOTT	
DIXON ENTRANCE	22	54 18.0	131 20.0	55 6 14 12	150	149	X	X	BOTT	
DIXON ENTRANCE	23	54 34.0	131 30.0	55 6 14 13	75	82	X	X	BOTT	
DIXON ENTRANCE	24	54 34.0	131 13.0	55 6 14 16	200	223	X	X	BOTT	
DIXON ENTRANCE	25	54 40.0	130 38.2	55 6 14 23	175	175	X	X	BOTT	
DIXON ENTRANCE	28	54 40.8	131 20.0	55 6 15 1	175	175	X	X	BOTT	
DIXON ENTRANCE	29	54 40.8	131 20.0	55 6 15 6	75	118	X	X	BOTT	
DIXON ENTRANCE	30	54 33.1	131 13.0	55 6 15 9	50	73	X	X	BOTT	
DIXON ENTRANCE	31	54 20.0	131 13.0	55 6 15 10	20	27	X	X	BOTT	
DIXON ENTRANCE	32	54 11.0	131 12.7	55 6 15 15	35	40	X	X	BOTT	
HECATE STRAIT	33	53 46.0	131 15.0	55 6 15 15	35	36	X	X	BOTT	
HECATE STRAIT	34	53 46.0	131 15.0	55 6 15 17	35	36	X	X	BOTT	
HECATE STRAIT	35	53 46.0	131 15.0	55 6 15 19	35	36	X	X	BOTT	
HECATE STRAIT	36	53 46.0	131 15.0	55 6 15 21	35	36	X	X	BOTT	
HECATE STRAIT	37	53 46.0	131 15.0	55 6 15 23	35	38	X	X	BOTT	
HECATE STRAIT	38	53 46.0	131 15.0	55 6 16 1	35	42	X	X	BOTT	
DIXON ENTRANCE	42	54 39.3	132 30.0	55 6 17 14	150	182	X	X	BOTT	
DIXON ENTRANCE	43	54 25.6	132 25.1	55 6 17 16	300	356	X	X	BOTT	
DIXON ENTRANCE	44	54 9.5	132 30.3	55 6 17 18	50	58	X	X	BOTT	
DIXON ENTRANCE	45	54 10.0	131 59.9	55 6 17 21	75	84	X	X	BOTT	
DIXON ENTRANCE	46	54 25.4	131 58.7	55 6 17 23	270	288	X	X	BOTT	
DIXON ENTRANCE	47	54 39.7	131 59.8	55 6 18 1	150	168	X	X	BOTT	
DIXON ENTRANCE	50	54 39.8	130 38.0	55 6 18 7	250	294	X	X	BOTT	
CHATHAM SOUND	51	54 10.0	130 54.6	55 6 19 3	75	84	X	X	BOTT	
DIXON ENTRANCE	52	54 9.6	131 13.2	55 6 19 4	20	25	X	X	BOTT	
DIXON ENTRANCE	53	54 10.0	131 30.2	55 6 19 6	15	20	X	X	BOTT	
HECATE STRAIT	54	54 0.0	131 31.8	55 6 19 7	15	10	X	X	BOTT	
HECATE STRAIT	55	54 0.2	131 3.5	55 6 19 9	75	74	X	X	BOTT	
HECATE STRAIT	56	54 0.0	130 43.2	55 6 19 11	50	78	X	X	BOTT	
HECATE STRAIT	57	53 49.0	130 45.3	55 6 19 12	75	100	X	X	BOTT	
HECATE STRAIT	58	53 46.1	131 14.8	55 6 19 14	30	38	X	X	BOTT	
HECATE STRAIT	60	53 39.6	130 26.8	55 6 19 21	50	129	X	X	BOTT	
HECATE STRAIT	61	53 34.0	130 43.8	55 6 19 22	100	122	X	X	BOTT	
HECATE STRAIT	62	53 26.5	131 4.0	55 6 20 2	30	42	X	X	BOTT	
HECATE STRAIT	63	53 16.3	131 31.0	55 6 20 7	20	25	X	X	BOTT	
HECATE STRAIT	64	52 37.0	131 21.4	55 6 20 7	100	109	X	X	BOTT	
HECATE STRAIT	65	52 41.2	131 5.4	55 6 20 9	30	32	X	X	BOTT	
HECATE STRAIT	66	52 52.4	130 42.0	55 6 20 11	80	100	X	X	BOTT	
HECATE STRAIT	67	53 3.0	130 14.6	55 6 20 14	150	219	X	X	BOTT	
HECATE STRAIT	68	53 8.2	130 0.6	55 6 20 16	170	168	X	X	BOTT	
HECATE STRAIT	69	52 53.9	129 23.1	55 6 21 7	220	234	X	X	BOTT	
HECATE STRAIT	70	52 46.1	129 42.7	55 6 21 9	140	157	X	X	BOTT	
HECATE STRAIT	71	51 18.9	129 38.0	55 6 21 12	175	193	X	X	BOTT	
HECATE STRAIT	72	52 29.4	129 11.4	55 6 21 15	125	125	X	X	BOTT	
HECATE STRAIT	73	52 13.4	128 39.2	55 6 21 18	250	274	X	X	BOTT	
HECATE STRAIT	74	52 2.7	129 5.7	55 6 21 21	125	142	X	X	BOTT	
Q. C. SOUND	75	51 52.8	129 30.0	55 6 21 23	200	237	X	X	BOTT	
Q. C. SOUND	76	51 43.2	129 53.6	55 6 22 2	280	307	X	X	BOTT	

Q. C. SOUND	77	51	33.1	130	19.0	55	6	22	4	400	859	X	X	BOTT
Q. C. SOUND	78	51	12.2	129	39.2	55	6	22	8	250	259	X	X	BOTT
Q. C. SOUND	79	51	22.0	129	15.0	55	6	22	10	150	159	X	X	BOTT
Q. C. SOUND	80	51	32.0	128	51.0	55	6	22	13	30	43	X	X	BOTT
Q. C. SOUND	81	51	42.6	128	27.0	55	6	22	16	115	128	X	X	BOTT
Q. C. SOUND	82	51	27.4	128	8.3	55	6	22	18	75	91	X	X	BOTT
Q. C. SOUND	83	51	20.1	128	29.0	55	6	22	20	125	146	X	X	BOTT
Q. C. SOUND	84	51	12.5	128	53.3	55	6	22	22	100	124	X	X	BOTT
Q. C. SOUND	85	51	0.2	129	14.2	55	6	23	1	125	146	X	X	BOTT
Q. C. SOUND	86	50	54.2	129	3.6	55	6	23	2	75	80	X	X	BOTT
Q. C. SOUND	87	50	54.7	128	45.0	55	6	23	4	75	80	X	X	BOTT
Q. C. SOUND	88	51	2.6	128	37.5	55	6	23	5	65	78	X	X	BOTT
Q. C. SOUND	89	51	10.0	128	7.4	55	6	23	7	75	87	X	X	BOTT
Q. C. SOUND	90	51	14.5	128	43.0	55	6	23	9	85	102	X	X	BOTT
Q. C. SOUND	91	51	7.3	128	58.0	55	6	23	10	75	84	X	X	BOTT
Q. C. SOUND	92	51	1.5	127	53.5	55	6	23	11	125	137	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 55-0020
YEAR: 1955 VESSEL/AGENCY: POG, JONQUIERE

AREA	STN	LAT	LON	DATE			CAST TO	WATER DEPTH	PARAM MEAS	INSTR	INT HR	NO		
				DEG	MIN	DEG						MIN	YR	MO
Q. C. STRAIT	1	50	47.2	127	26.8	55	2	6	20	300	340	X	X	BOTT
Q. C. STRAIT	2	50	50.2	127	24.5	55	2	6	21	125	168	X	X	BOTT
Q. C. STRAIT	3	50	53.6	127	21.1	55	2	6	22	100	128	X	X	BOTT
Q. C. SOUND	4	51	8.2	127	46.2	55	2	7		30	60	X	X	BOTT
Q. C. SOUND	5	51	1.7	127	54.7	55	2	7	1	100	138	X	X	BOTT
Q. C. SOUND	6	50	55.4	128	4.7	55	2	7	2	20	29	X	X	BOTT
Q. C. SOUND	7	50	54.9	128	24.3	55	2	7	4	50	58	X	X	BOTT
Q. C. SOUND	8	50	54.5	128	44.2	55	2	7	6	75	98	X	X	BOTT
Q. C. SOUND	9	50	55.3	129	4.8	55	2	7	8	50	80	X	X	BOTT
Q. C. SOUND	10	51	2.4	128	38.0	55	2	7	10	50	80	X	X	BOTT
Q. C. SOUND	11	51	10.8	128	8.5	55	2	7	13	50	74	X	X	BOTT
Q. C. SOUND	12	51	13.8	127	53.0	55	2	7	14	75	135	X	X	BOTT
Q. C. SOUND	13	51	27.8	128	7.5	55	2	7	16	30	36	X	X	BOTT
Q. C. SOUND	14	51	20.5	128	27.0	55	2	7	18	100	124	X	X	BOTT
Q. C. SOUND	15	51	10.5	128	51.5	55	2	7	21	100	128	X	X	BOTT
Q. C. SOUND	16	51	1.0	129	15.5	55	2	7	23	100	173	X	X	BOTT
Q. C. SOUND	17	51	12.0	129	39.0	55	2	8	1	100		X	X	BOTT
Q. C. SOUND	18	51	22.8	129	14.7	55	2	8	3	75	109	X	X	BOTT
Q. C. SOUND	19	51	31.8	128	51.0	55	2	8	5	30	42	X	X	BOTT
Q. C. SOUND	20	51	42.4	128	26.3	55	2	8	7	100	146	X	X	BOTT
Q. C. SOUND	21	52	11.8	128	39.3	55	2	9	3	150		X	X	BOTT
HECATE STRAIT	22	52	2.8	129	6.2	55	2	9	5	100	157	X	X	BOTT
Q. C. SOUND	23	51	52.8	129	30.5	55	2	9	6	150	245	X	X	BOTT
Q. C. SOUND	24	51	43.4	129	54.5	55	2	9	8	150	329	X	X	BOTT
Q. C. SOUND	25	51	33.0	130	18.5	55	2	9	10	200	365	X	X	BOTT
Q. C. SOUND	26	51	53.5	130	51.3	55	2	9	12	100	171	X	X	BOTT
HECATE STRAIT	27	52	0.8	130	28.0	55	2	9	14	250	358	X	X	BOTT
HECATE STRAIT	28	52	10.0	130	3.0	55	2	9	16	130	157	X	X	BOTT
HECATE STRAIT	29	52	19.8	129	36.8	55	2	9	17	200	201	X	X	BOTT
HECATE STRAIT	30	52	29.5	129	11.6	55	2	9	19	125	168	X	X	BOTT
HECATE STRAIT	31	52	55.0	129	23.7	55	2	9	22	150	223	X	X	BOTT
HECATE STRAIT	32	52	45.5	129	43.5	55	2	9	23	150	173	X	X	BOTT
HECATE STRAIT	33	52	35.0	130	10.0	55	2	10	1	200	276	X	X	BOTT
HECATE STRAIT	34	52	26.5	130	35.0	55	2	10	3	125	157	X	X	BOTT
HECATE STRAIT	35	52	15.8	130	58.7	55	2	10	5	50	160	X	X	BOTT
HECATE STRAIT	36	52	37.7	131	21.0	55	2	10	7	50	138	X	X	BOTT
HECATE STRAIT	37	52	43.4	131	7.2	55	2	10	9	30	43	X	X	BOTT
HECATE STRAIT	38	52	52.7	130	43.7	55	2	10	10	50	84	X	X	BOTT
HECATE STRAIT	39	52	2.9	130	15.0	55	2	10	12	150	212	X	X	BOTT
HECATE STRAIT	40	52	8.8	129	59.6	55	2	10	14	50	100	X	X	BOTT
HECATE STRAIT	42	53	34.4	130	44.2	55	2	10	17	100	131	X	X	BOTT
HECATE STRAIT	43	53	26.6	131	3.3	55	2	10	19	50	58	X	X	BOTT
HECATE STRAIT	44	53	17.0	131	29.5	55	2	10	21	10	29	X	X	BOTT
HECATE STRAIT	45	53	44.8	131	40.4	55	2	10	23	10	21	X	X	BOTT
HECATE STRAIT	46	53	47.0	131	15.0	55	2	11	1	20	43	X	X	BOTT
HECATE STRAIT	47	53	49.8	130	45.5	55	2	11	3	50	87	X	X	BOTT
HECATE STRAIT	48	54	0.0	130	43.3	55	2	11	4	50	91	X	X	BOTT
HECATE STRAIT	49	54	0.0	131	2.7	55	2	11	6	50	87	X	X	BOTT
HECATE STRAIT	50	54	0.0	131	24.8	55	2	11	7	10	18	X	X	BOTT
DIXON ENTRANCE	51	54	10.0	131	27.2	55	2	11	8	10	18	X	X	BOTT
DIXON ENTRANCE	52	54	10.0	131	13.0	55	2	11	9	10	29	X	X	BOTT
CHATHAM SOUND	53	54	10.0	130	54.0	55	2	11	11	50	115	X	X	BOTT

CHATHAM SOUND	54	54	20.4	130	37.2	55	2	12	17	125	159	X	X	BOTT
CHATHAM SOUND	55	54	19.7	130	52.0	55	2	12	19	50	175	X	X	BOTT
DIXON ENTRANCE	56	54	20.2	131	12.8	55	2	12	20	50	76	X	X	BOTT
DIXON ENTRANCE	57	54	19.8	131	30.2	55	2	12	22	150	179	X	X	BOTT
DIXON ENTRANCE	58	54	34.0	131	30.0	55	2	12	23	75	120	X	X	BOTT
DIXON ENTRANCE	59	54	33.6	131	13.0	55	2	13		75	131	X	X	BOTT
DIXON ENTRANCE	60	54	44.8	131	30.2	55	2	13	06	75	113	X	X	BOTT
DIXON ENTRANCE	61	54	44.5	131	11.6	55	2	13	05	200	267	X	X	BOTT
DIXON ENTRANCE	62	54	40.0	130	38.3	55	2	13	3	200	248	X	X	BOTT
DIXON ENTRANCE	63	54	39.2	131	59.7	55	2	13	8	150	182	X	X	BOTT
DIXON ENTRANCE	64	54	25.5	131	58.5	55	2	13	10	250	296	X	X	BOTT
DIXON ENTRANCE	65	54	10.0	132	1.0	55	2	13	12	50	76	X	X	BOTT
DIXON ENTRANCE	66	54	9.1	132	30.6	55	2	13	13	50	73	X	X	BOTT
DIXON ENTRANCE	67	54	26.4	132	30.0	55	2	13	15	200	303	X	X	BOTT
DIXON ENTRANCE	68	54	39.6	132	30.4	55	2	13	17	150	179	X	X	BOTT
DIXON ENTRANCE	69	54	43.4	133	00.2	55	2	13	18	125	168	X	X	BOTT
DIXON ENTRANCE	70	54	30.5	133	00.0	55	2	13	20	200	331	X	X	BOTT
DIXON ENTRANCE	71	54	17.3	133	00.0	55	2	13	21	200	450	X	X	BOTT
DIXON ENTRANCE	72	54	00.0	133	30.0	55	2	13	23	100	183	X	X	BOTT
DIXON ENTRANCE	73	54	17.4	133	30.0	55	2	14	01	250	291	X	X	BOTT
DIXON ENTRANCE	74	54	34.5	133	31.5	55	2	14	03	250	351	X	X	BOTT
DIXON ENTRANCE	75	54	54.4	133	30.0	55	2	14	05	100	183	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 55-0021
YEAR: 1955 VESSEL/AGENCY: JONQUIERE

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						
Q. C. SOUND	51	12.4	129 39.0	55 4 18 3	225	283		X	X	BOTT
Q. C. SOUND	51	22.5	129 15.0	55 4 18 1	75	113		X	X	BOTT
Q. C. SOUND	51	32.5	128 50.5	55 4 18	.30	40		X	X	BOTT
DIXON ENTRANCE	54	20.0	131 13.0	55 4 15 17	50	73		X	X	BOTT
DIXON ENTRANCE	54	20.0	131 30.0	55 4 15 16	150	182		X	X	BOTT
Q. C. STRAIT	1	50 47.2	127 26.4	55 4 18 22	150	265		X	X	BOTT
Q. C. STRAIT	2	50 49.1	127 25.0	55 4 18 21	150	219		X	X	BOTT
Q. C. STRAIT	3	50 51.5	127 23.1	55 4 18 21	150	168		X	X	BOTT
Q. C. SOUND	4	51 7.8	127 45.4	55 4 18 17	40	51		X	X	BOTT
Q. C. SOUND	5	51 1.8	127 55.4	55 4 18 16	100	138		X	X	BOTT
Q. C. SOUND	6	50 55.0	128 4.5	55 4 18 16	20	27		X	X	BOTT
Q. C. SOUND	7	50 54.9	128 24.0	55 4 18 15	30	80		X	X	BOTT
Q. C. SOUND	8	50 55.0	128 45.2	55 4 18 14	50	73		X	X	BOTT
Q. C. SOUND	9	50 54.8	129 7.0	55 4 18 12	50	80		X	X	BOTT
Q. C. SOUND	10	51 3.0	128 36.6	55 4 18 11	50	69		X	X	BOTT
Q. C. SOUND	11	51 10.0	128 10.0	55 4 18 9	75	93		X	X	BOTT
Q. C. SOUND	12	51 14.5	127 52.0	55 4 18 18	75	109		X	X	BOTT
CHATHAM SOUND	13	54 19.4	130 53.0	55 4 15 18	100	223		X	X	BOTT
Q. C. SOUND	14	51 19.2	128 28.2	55 4 18 8	125	146		X	X	BOTT
CHATHAM SOUND	14	54 20.8	130 37.5	55 4 15 19	100			X	X	BOTT
Q. C. SOUND	15	51 10.5	128 50.0	55 4 18 6	100	117		X	X	BOTT
CHATHAM SOUND	15	54 9.8	130 54.5	55 4 15 21	75	104		X	X	BOTT
Q. C. SOUND	16	51 0.0	129 14.5	55 4 18 5	125	160		X	X	BOTT
DIXON ENTRANCE	16	54 9.1	131 13.4	55 4 15 22	19	25		X	X	BOTT
DIXON ENTRANCE	17	54 10.0	131 30.0	55 4 15 23	10	21		X	X	BOTT
HECATE STRAIT	18	54 0.0	131 30.0	55 4 16	10	20		X	X	BOTT
HECATE STRAIT	19	54 0.0	131 2.0	55 4 16 1	50	98		X	X	BOTT
HECATE STRAIT	20	54 0.2	130 44.0	55 4 16 3	75	106		X	X	BOTT
HECATE STRAIT	21	53 49.0	130 45.0	55 4 16 4	75	98		X	X	BOTT
HECATE STRAIT	22	53 46.0	131 15.0	55 4 16 6	30	54		X	X	BOTT
HECATE STRAIT	23	53 44.0	131 40.5	55 4 16 7	10	18		X	X	BOTT
HECATE STRAIT	24	53 16.0	131 34.0	55 4 16 9	10	27		X	X	BOTT
HECATE STRAIT	25	53 26.0	131 3.0	55 4 16 11	30	60		X	X	BOTT
HECATE STRAIT	26	53 35.0	130 44.0	55 4 16 12	100	153		X	X	BOTT
HECATE STRAIT	27	53 8.6	130 0.0	55 4 16 15	100	131		X	X	BOTT
HECATE STRAIT	28	53 3.0	130 15.5	55 4 16 17	175	212		X	X	BOTT
HECATE STRAIT	29	52 52.0	130 42.5	55 4 16 18	50	84		X	X	BOTT
HECATE STRAIT	30	52 43.0	131 6.0	55 4 16 19	30	40		X	X	BOTT
HECATE STRAIT	31	52 37.0	131 21.0	55 4 16 21	75	124		X	X	BOTT
HECATE STRAIT	32	52 16.4	131 0.0	55 4 16 22	50	128		X	X	BOTT
HECATE STRAIT	33	52 26.0	130 35.0	55 4 17	75	135		X	X	BOTT
HECATE STRAIT	34	52 35.6	130 9.5	55 4 17 1	200	241		X	X	BOTT
HECATE STRAIT	35	52 46.8	129 45.9	55 4 17 3	175	219		X	X	BOTT
HECATE STRAIT	36	52 19.0	129 38.0	55 4 17 5	175	204		X	X	BOTT
HECATE STRAIT	37	52 9.5	130 3.0	55 4 17 7	200	246		X	X	BOTT
Q. C. SOUND	38	51 58.0	130 29.5	55 4 17 9	250	405		X	X	BOTT

Q. C. SOUND	39	51	54.2	130	51.0	55	4	17	11	100	168	X	X	BOTT
Q. C. SOUND	40	51	32.9	130	17.5	55	4	17	13	200	400	X	X	BOTT
Q. C. SOUND	41	51	42.5	129	53.8	55	4	17	15	300	338	X	X	BOTT
Q. C. SOUND	42	51	52.0	129	29.5	55	4	17	17	200	237	X	X	BOTT
HECATE STRAIT	43	52	2.5	129	5.5	55	4	17	18	125	164	X	X	BOTT
Q. C. SOUND	44	52	12.9	128	39.0	55	4	17	20	200	256	X	X	BOTT
Q. C. SOUND	45	51	42.7	128	26.4	55	4	17	22	125	142	X	X	BOTT
DIXON ENTRANCE	64	54	25.5	132	0.0	55	4	15	3	250	292	X	X	BOTT
DIXON ENTRANCE	65	54	9.2	132	0.0	55	4	15	2	50	51	X	X	BOTT
DIXON ENTRANCE	66	54	10.1	132	31.0	55	4	15		75	84	X	X	BOTT
DIXON ENTRANCE	67	54	25.6	132	29.7	55	4	14	23	225	274	X	X	BOTT
DIXON ENTRANCE	68	54	39.8	132	30.0	55	4	14	21	150	182	X	X	BOTT
DIXON ENTRANCE	69	54	43.5	133	00.0	55	4	14	20	150	186	X	X	BOTT
DIXON ENTRANCE	70	54	30.5	133	00.0	55	4	14	18	125	141	X	X	BOTT
DIXON ENTRANCE	71	54	16.5	133	00.0	55	4	14	17	400	446	X	X	BOTT
DIXON ENTRANCE	73	54	17.7	133	29.5	55	4	14	16	250	296	X	X	BOTT
DIXON ENTRANCE	74	54	34.5	133	30.0	55	4	14	14	300	351	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 56-0008
YEAR:1956 VESSEL/AGENCY: UBC, CEDARWOOD

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										
B.C. INLETS	54	51	36.2	127	32.2	56	7	14	16	300	329	X	X	BOTT
B.C. INLETS	55	51	39.0	127	26.9	56	7	14	17	300	311	X	X	BOTT
B.C. INLETS	56	51	40.6	127	19.8	56	7	14	18	200	201	X	X	BOTT
B.C. INLETS	57	51	47.3	127	23.2	56	7	14	21	227	238	X	X	BOTT
B.C. INLETS	59	51	55.5	127	51.7	56	7	15	13	100	137	X	X	BOTT
B.C. INLETS	60	52	0.5	127	40.0	56	7	15	15	250	311	X	X	BOTT
B.C. INLETS	61	52	7.0	127	37.0	56	7	15	16	399	439	X	X	BOTT
B.C. INLETS	62	52	11.5	127	27.5	56	7	15	18	500	604	X	X	BOTT
B.C. INLETS	63	52	5.8	127	27.8	56	7	15	19	400	457	X	X	BOTT
B.C. INLETS	64	52	16.5	127	16.0	56	7	15	23	500	585	X	X	BOTT
B.C. INLETS	65	52	22.6	126	48.7	56	7	16	15	200	228	X	X	BOTT
B.C. INLETS	66	52	21.1	126	54.0	56	7	16	16	370	402	X	X	BOTT
B.C. INLETS	67	52	19.1	126	59.5	56	7	16	17	400	503	X	X	BOTT
B.C. INLETS	68	52	19.5	127	7.5	56	7	16	18	500	549	X	X	BOTT
B.C. INLETS	69	52	23.7	127	13.5	56	7	16	20	450	503	X	X	BOTT
B.C. INLETS	70	52	27.9	127	15.0	56	7	16	21	478	512	X	X	BOTT
B.C. INLETS	71	52	33.4	127	12.1	56	7	16	22	400	466	X	X	BOTT
B.C. INLETS	72	52	52.0	127	3.8	56	7	17	15	100	106	X	X	BOTT
B.C. INLETS	73	52	49.6	126	58.8	56	7	17	16	161	167	X	X	BOTT
B.C. INLETS	74	52	44.0	126	57.5	56	7	17	17	400	457	X	X	BOTT
B.C. INLETS	75	52	38.2	127	1.0	56	7	17	19	470	494	X	X	BOTT
B.C. INLETS	76	52	27.4	127	15.0	56	7	17	21	489	521	X	X	BOTT
B.C. INLETS	77	52	24.6	127	24.0	56	7	17	22	496	530	X	X	BOTT
B.C. INLETS	78	52	20.6	127	28.0	56	7	18		400	466	X	X	BOTT
B.C. INLETS	79	51	16.4	127	37.8	56	7	18	1	300	345	X	X	BOTT
B.C. INLETS	80	52	35.0	127	36.8	56	7	18	14	200	217	X	X	BOTT
B.C. INLETS	81	52	31.5	127	33.0	56	7	18	15	300	305	X	X	BOTT
B.C. INLETS	82	52	27.0	127	27.5	56	7	18	16	280	302	X	X	BOTT
B.C. INLETS	83	52	15.5	127	45.3	56	7	18	19	399	484	X	X	BOTT
B.C. INLETS	84	52	26.0	127	55.5	56	7	19	18	200	238	X	X	BOTT
B.C. INLETS	85	52	23.0	127	52.0	56	7	19	19	140	155	X	X	BOTT
B.C. INLETS	86	52	26.0	127	56.0	56	7	19	20	169	128	X	X	BOTT
B.C. INLETS	87	52	36.0	127	50.6	56	7	19	21	134	140	X	X	BOTT
B.C. INLETS	88	52	27.4	127	47.5	56	7	19	22	70	73	X	X	BOTT
B.C. INLETS	89	52	21.0	128	0.5	56	7	20	2	49	55	X	X	BOTT
B.C. INLETS	90	52	25.3	127	59.6	56	7	20	3	60	70	X	X	BOTT
B.C. INLETS	91	52	27.4	128	6.8	56	7	20	15	200	228	X	X	BOTT
B.C. INLETS	92	52	32.0	128	5.5	56	7	20	16	150	168	X	X	BOTT
B.C. INLETS	93	52	36.7	128	5.2	56	7	20	17	200	225	X	X	BOTT
B.C. INLETS	94	52	30.2	128	4.8	56	7	20	18	299	320	X	X	BOTT
B.C. INLETS	95	52	22.3	128	10.5	56	7	20	20	300	402	X	X	BOTT
B.C. INLETS	96	52	18.3	128	13.2	56	7	20	21	249	274	X	X	BOTT
B.C. INLETS	97	52	28.7	128	26.3	56	7	21	1	600	759	X	X	BOTT
B.C. INLETS	98	52	30.5	128	15.3	56	7	21	15	350	425	X	X	BOTT
B.C. INLETS	99	52	36.2	128	13.4	56	7	21	17	400	530	X	X	BOTT
B.C. INLETS	100	52	41.3	128	11.0	56	7	21	18	600	625	X	X	BOTT
B.C. INLETS	101	52	45.5	128	8.0	56	7	21	19	400	530	X	X	BOTT
B.C. INLETS	102	52	45.8	128	59.0	56	7	21	21	390	410	X	X	BOTT
B.C. INLETS	103	52	44.5	128	54.0	56	7	21	22	150	183	X	X	BOTT
B.C. INLETS	104	52	54.2	128	5.0	56	7	22		200	247	X	X	BOTT
B.C. INLETS	105	52	54.2	128	6.8	56	7	22	13	20	342	X	X	BOTT

B.C. INLETS	106	52 50.1	128 10.8	56	7 22 15	200	256	X X BOTT
B.C. INLETS	107	52 47.4	128 16.7	56	7 22 16	300	356	X X BOTT
B.C. INLETS	108	52 48.6	128 23.2	56	7 22 17	400	435	X X BOTT
B.C. INLETS	109	52 46.1	128 27.4	56	7 22 19	499	622	X X BOTT
B.C. INLETS	110	52 40.8	128 28.5	56	7 22 20	499	595	X X BOTT
Q. C. SOUND	111	52 0.0	128 27.9	56	7 22 22	600	677	X X BOTT

BOTTLE/CTD DATA SET NUMBER: 56-0009
YEAR: 1956 VESSEL/AGENCY: UBC,EHKOLI

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					

Q. C. STRAIT	27	50 55.0	128 3.8	56 5 12 20	20	25	X X BOTT
Q. C. STRAIT	28	50 56.5	127 59.9	56 5 12 21	20	29	X X BOTT
Q. C. STRAIT	29	50 58.7	127 56.9	56 5 12 22	10	25	X X BOTT
Q. C. STRAIT	30	50 57.0	127 42.8	56 5 12 22	150	329	X X BOTT
Q. C. STRAIT	31	50 56.2	127 57.3	56 5 12 23	10	14	X X BOTT
Q. C. STRAIT	32	50 57.7	127 53.8	56 5 12 23	10	18	X X BOTT
Q. C. STRAIT	33	50 56.8	127 49.0	56 5 12 23	50	73	X X BOTT
Q. C. STRAIT	35	50 59.4	127 46.9	56 5 13 16	150	149	X X BOTT
Q. C. STRAIT	36	51 1.1	127 51.6	56 5 13 17	125	142	X X BOTT
Q. C. STRAIT	37	51 3.9	127 45.0	56 5 13 18	75	98	X X BOTT
Q. C. STRAIT	38	51 5.6	127 41.6	56 5 13 19	40	47	X X BOTT
Q. C. STRAIT	39	51 1.4	127 36.9	56 5 13 20	100	171	X X BOTT
Q. C. STRAIT	40	50 58.5	127 38.6	56 5 13 21	75	155	X X BOTT
Q. C. STRAIT	41	50 53.8	127 38.2	56 5 13 23	300	429	X X BOTT
Q. C. STRAIT	42	50 52.6	127 35.0	56 5 14 1	300	365	X X BOTT
Q. C. STRAIT	43	50 49.7	127 40.3	56 5 14 14	300	351	X X BOTT
Q. C. STRAIT	44	50 51.0	127 47.0	56 5 14 16	200	310	X X BOTT
Q. C. STRAIT	45	50 52.8	127 52.6	56 5 14 16	200	256	X X BOTT
Q. C. STRAIT	46	50 53.4	127 57.2	56 5 14 17	50	69	X X BOTT

BOTTLE/CTD DATA SET NUMBER: 57-0007A
YEAR: 1957 VESSEL/AGENCY: POG,OSHAWA

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					

Q. C. SOUND	35	51 39.0	130 25.0	57 9 30 19	172	248	X X BOTT
Q. C. SOUND	36	51 18.0	129 44.0	57 9 30 22	225	256	X X BOTT
Q. C. SOUND	37	51 1.0	129 26.5	57 10 1 1	419	530	X X BOTT
Q. C. SOUND	38	50 55.0	129 8.0	57 10 1 3	50	54	X X BOTT

BOTTLE/CTD DATA SET NUMBER: 57-0007B
YEAR: 1957 VESSEL/AGENCY: POG,OSHAWA

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					

DIXON ENTRANCE	17	54 23.0	132 0.0	57 12 2	199	274	X X BOTT
DIXON ENTRANCE	18	54 23.0	132 30.0	57 12 2 2	188	248	X X BOTT
Q. C. SOUND	33	51 56.2	130 49.5	57 12 7 7	150	212	X X BOTT
Q. C. SOUND	34	51 38.0	130 20.0	57 12 7 10	293	420	X X BOTT
Q. C. SOUND	35	51 17.0	129 47.0	57 12 7 14	200	237	X X BOTT
Q. C. SOUND	36	51 22.5	129 20.0	57 12 7 16	45	73	X X BOTT
Q. C. SOUND	44	51 19.0	128 45.0	57 12 17 15	200		X X BOTT
Q. C. SOUND	45	51 8.0	128 21.0	57 12 17 17	175	182	X X BOTT
Q. C. SOUND	46	51 0.0	127 48.5	57 12 17 20	125	138	X X BOTT

DIXON ENTRANCE H71 54 17.0 133 02.0 57 12 02 12 188 439 X X BOTT

BOTTLE/CTD DATA SET NUMBER: 57-0008
YEAR:1957 VESSEL/AGENCY: POG,OSHAWA

AREA	STN	LAT	LON	DATE				CAST	WATER PARAM	INSTR	INT NO
				DEG	MIN	DEG	MIN				
DIXON ENTRANCE	49	54 30.4	133 30.0	57	2	20	21	212		X	X BOTT
DIXON ENTRANCE	50	54 34.4	132 40.0	57	2	21	1	221		X	X BOTT
DIXON ENTRANCE	51	54 20.0	132 36.0	57	2	21	3	225		X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 57-0009
YEAR:1957 VESSEL/AGENCY:

AREA	STN	LAT	LON	DATE				CAST	WATER PARAM	INSTR	INT NO
				DEG	MIN	DEG	MIN				
DIXON ENTRANCE	33	54 30.5	131 47.0	57	8	19	21	314	340	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 57-0016
YEAR:1957 VESSEL/AGENCY: POG,OSHAWA

AREA	STN	LAT	LON	DATE				CAST	WATER PARAM	INSTR	INT NO
				DEG	MIN	DEG	MIN				
DIXON ENTRANCE		54 19.0	132 59.0	57	5	02	17		460	X	X BOTT
DIXON ENTRANCE	26	54 02.0	133 16.3	57	5	02	11	45	51	X	X BOTT
Q. C. SOUND	37	51 16.0	129 44.0	57	5	11	15	350		X	X BOTT
Q. C. SOUND	38	51 2.0	129 20.0	57	5	11	18	170	184	X	X BOTT
Q. C. SOUND	39	50 55.0	129 8.2	57	5	11	20	50	71	X	X BOTT
Q. C. SOUND	48	51 35.5	130 29.0	57	5	11	11	597		X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 57-0019
YEAR:1957 VESSEL/AGENCY: UBC

AREA	STN	LAT	LON	DATE				CAST	WATER PARAM	INSTR	INT NO
				DEG	MIN	DEG	MIN				
Q.C. STRAIT	1	50 53.4	127 57.2	57	5	30		10		X	X BOTT
Q.C. STRAIT	2	50 52.8	127 52.6	57	5	30	1	10		X	X BOTT
Q.C. STRAIT	3	50 51.0	127 47.0	57	5	30	1	10		X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 58-0007
YEAR:1958 VESSEL/AGENCY: POG,OSHAWA

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			
Q. C. SOUND	19	51 0.0	128 10.0	58 3 16 5	70	82	X	X	BOTT	
Q. C. SOUND	20	51 0.0	128 55.0	58 3 16 8	50	64	X	X	BOTT	
Q. C. SOUND	21	51 16.0	129 33.0	58 3 16 11	225	234	X	X	BOTT	
Q. C. SOUND	22	51 32.0	130 11.0	58 3 16 14	898	932	X	X	BOTT	
Q. C. SOUND	23	51 50.5	130 48.0	58 3 16 17	220	237	X	X	BOTT	
DIXON ENTRANCE	48	54 43.0	133 30.0	58 3 23 02	175	194	X	X	BOTT	
DIXON ENTRANCE	49	54 30.0	133 17.0	58 3 23 03	300	316	X	X	BOTT	
DIXON ENTRANCE	50	54 15.6	133 05.0	58 3 23 06	348	375	X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 58-0008
YEAR:1958 VESSEL/AGENCY: POG,OSHAWA

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			
Q. C. STRAIT	6	50 59.2	127 49.3	58 6 26 16	125	135	X	X	BOTT	
Q. C. SOUND	7	51 10.1	129 30.9	58 6 27	296	420	X	X	BOTT	
Q. C. SOUND	8	51 30.5	130 18.0	58 6 27 3	250	329	X	X	BOTT	
HECATE STRAIT	9	52 11.0	130 5.0	58 6 27 15	150	179	X	X	BOTT	
HECATE STRAIT	10	52 50.2	130 48.5	58 6 27 20	50	73	X	X	BOTT	
HECATE STRAIT	11	53 3.0	131 8.5	58 6 28 17	30	32	X	X	BOTT	
DIXON ENTRANCE	12	54 23.5	132 50.6	58 7 01 16	220	365	X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 58-0009
YEAR:1958 VESSEL/AGENCY: POG,WHITETHROAT

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			
Q. C. SOUND	39	51 0.6	127 50.8	58 11 18 22	139	146	X	X	BOTT	
Q. C. SOUND	40	50 56.7	128 32.0	58 11 19 2	50	91	X	X	BOTT	
Q. C. SOUND	42	50 49.8	128 48.0	58 11 19 4	74		X	X	BOTT	
Q. C. SOUND	43	50 51.8	128 56.5	58 11 19 6	49	82	X	X	BOTT	
Q. C. SOUND	44	50 55.5	129 15.0	58 11 19 8	75	109	X	X	BOTT	
Q. C. SOUND	45	51 3.0	129 32.0	58 11 19 10	369	420	X	X	BOTT	
Q. C. SOUND	46	51 23.0	128 36.6	58 11 19 15	152	210	X	X	BOTT	
Q. C. SOUND	47	51 48.8	128 31.8	58 11 21 18	120	131	X	X	BOTT	
HECATE STRAIT	48	52 12.7	128 53.0	58 11 21 21	108	182	X	X	BOTT	
HECATE STRAIT	49	52 24.0	130 0.0	58 11 22 2	250	256	X	X	BOTT	
HECATE STRAIT	50	53 0.0	130 19.5	58 11 22 7	175	197	X	X	BOTT	
HECATE STRAIT	51	53 14.5	131 12.0	58 11 22 11	25	29	X	X	BOTT	
HECATE STRAIT	52	53 37.5	130 44.5	58 11 22 15	125	137	X	X	BOTT	
HECATE STRAIT	53	53 57.0	131 0.0	58 11 22 17	70	69	X	X	BOTT	
DIXON ENTRANCE	54	54 15.5	131 6.0	58 11 22 19	25	27	X	X	BOTT	
DIXON ENTRANCE	55	54 16.5	131 1.0	58 11 22 21	100	106	X	X	BOTT	
DIXON ENTRANCE	56	54 11.0	132 30.0	58 11 23 4	70	73	X	X	BOTT	
DIXON ENTRANCE	57	54 18.0	133 04.0	58 11 23	384	457	X	X	BOTT	
DIXON ENTRANCE	58	54 28.0	133 04.0	58 11 23	75	108	X	X	BOTT	
DIXON ENTRANCE	59	54 36.0	132 59.0	58 11 23	346	366	X	X	BOTT	
DIXON ENTRANCE	60	54 38.0	132 49.0	58 11 23	200	201	X	X	BOTT	
DIXON ENTRANCE	61	54 42.0	131 57.0	58 11 23	350	369	X	X	BOTT	
DIXON ENTRANCE	62	54 43.0	131 42.0	58 11 23	400	430	X	X	BOTT	
DIXON ENTRANCE	63	54 46.0	131 19.0	58 11 23	124	163	X	X	BOTT	
DIXON ENTRANCE	64	54 48.0	130 59.0	58 11 23	75	104	X	X	BOTT	
DIXON ENTRANCE	65	54 45.0	130 53.0	58 11 23	150	174	X	X	BOTT	

	66	54	39.0	130	47.0	58	11	23	22	208	237	X	X BOTT
	67	54	38.0	130	36.0	58	11	24		399	411	X	X BOTT
CHATHAM SOUND	68	54	19.7	130	36.5	58	11	24	2	93	120	X	X BOTT
CHATHAM SOUND	69	54	10.2	130	32.5	58	11	24	4	100	122	X	X BOTT
CHATHAM SOUND	70	54	18.0	130	52.0	58	11	25	22	150	164	X	X BOTT
CHATHAM SOUND	71	54	23.5	130	54.5	58	11	25	22	139	146	X	X BOTT
DIXON ENTRANCE	72	54	33.0	132	28.0	58	11	26	4	207	329	X	X BOTT
DIXON ENTRANCE	L1	54	45.0	130	53.0	58	11	23	21	150	174	X	X BOTT
DIXON ENTRANCE	M1	54	42.0	131	56.7	58	11	23	14	350	369	X	X BOTT
DIXON ENTRANCE	M2	54	43.4	131	41.5	58	11	23	16	400	430	X	X BOTT
DIXON ENTRANCE	M3	54	45.9	131	18.6	58	11	23	18	124	163	X	X BOTT
DIXON ENTRANCE	M4	54	47.8	130	59.4	58	11	23	20	75	104	X	X BOTT
DIXON ENTRANCE	N1	54	18.5	133	03.5	58	11	23	05	400	457	X	X BOTT
DIXON ENTRANCE	N2	54	28.0	133	04.0	58	11	23	07	75	108	X	X BOTT
DIXON ENTRANCE	N3	54	36.0	132	59.0	58	11	23	09	346	366	X	X BOTT
DIXON ENTRANCE	N4	54	38.0	132	49.0	58	11	23	10	200	210	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 58-0014
YEAR: 1958 VESSEL/AGENCY: POG, OSHAWA

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									
Q. C. SOUND	15	51	0.0	129	0.0	58	7	26	13	50	73	X	X BOTT
Q. C. SOUND	18	51	0.0	129	0.0	58	7	27	17	68	85	X	X BOTT
Q. C. SOUND	19	51	9.0	129	23.0	58	7	27	20	248	274	X	X BOTT
Q. C. SOUND	20	51	21.0	129	48.0	58	7	27	23	200	237	X	X BOTT
Q. C. SOUND	21	51	35.0	130	19.0	58	7	28	2	350	411	X	X BOTT
Q. C. SOUND	22	51	49.0	130	48.0	58	7	28	4	175	210	X	X BOTT
DIXON ENTRANCE	41	54	20.0	133	00.0	58	8	01	08	345	457	X	X BOTT
DIXON ENTRANCE	42	54	40.0	133	30.0	58	8	01	11	250	311	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 59-0011A
YEAR: 1959 VESSEL/AGENCY: POG, OSHAWA

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									
Q. C. SOUND	92	51	58.0	130	55.8	59	6	21	23	100	120	X	X BOTT
DIXON ENTRANCE	92	54	38.7	130	58.9	59	6	26	18	447	482	X	X BOTT
Q. C. SOUND	93	51	58.8	130	45.0	59	6	22		194	256	X	X BOTT
DIXON ENTRANCE	93	54	39.0	130	47.0	59	6	27	01	220	267	X	X BOTT
Q. C. SOUND	94	52	0.0	130	30.0	59	6	22	2	348	387	X	X BOTT
DIXON ENTRANCE	94	54	44.2	130	52.0	59	6	27	02	229	263	X	X BOTT
Q. C. SOUND	95	51	33.0	130	17.5	59	6	22	4	900	969	X	X BOTT
DIXON ENTRANCE	95	54	47.7	130	59.5	59	6	27	03	80	101	X	X BOTT
DIXON ENTRANCE	96	54	45.8	131	18.6	59	6	27	04	150	165	X	X BOTT
Q. C. SOUND	97	50	55.0	129	15.6	59	6	22	10	75	87	X	X BOTT
DIXON ENTRANCE	97	54	43.4	131	40.6	59	6	27	06	400	424	X	X BOTT
Q. C. SOUND	98	50	48.5	128	59.4	59	6	22	11	75	89	X	X BOTT
DIXON ENTRANCE	98	54	42.2	131	53.3	59	6	27	06	323	366	X	X BOTT
Q. C. SOUND	101	50	59.0	128	26.2	59	6	22	15	79	X	X BOTT	
DIXON ENTRANCE	101	54	18.0	133	03.5	59	6	27	14	416	461	X	X BOTT
Q. C. SOUND	102	51	22.0	128	36.0	59	6	22	17	195	208	X	X BOTT
DIXON ENTRANCE	102	54	28.5	133	03.5	59	6	27	15	59	113	X	X BOTT
Q. C. SOUND	103	51	30.5	128	42.5	59	6	22	19	35	40	X	X BOTT
DIXON ENTRANCE	103	54	34.2	132	57.2	59	6	27	16	352	384	X	X BOTT
Q. C. SOUND	104	51	39.0	128	41.8	59	6	22	19	35	36	X	X BOTT
DIXON ENTRANCE	104	54	39.1	132	52.8	59	6	27	17	150	176	X	X BOTT
Q. C. SOUND	105	51	47.3	128	32.7	59	6	22	21	124	138	X	X BOTT
HECATE STRAIT	106	52	13.0	129	12.0	59	6	23		149	164	X	X BOTT
HECATE STRAIT	107	52	12.7	128	54.0	59	6	23	1	110	124	X	X BOTT
Q. C. SOUND	108	52	12.7	128	42.6	59	6	23	2	269	256	X	X BOTT
Q. C. SOUND	109	52	15.9	128	34.1	59	6	23	4	238	256	X	X BOTT
Q. C. SOUND	110	52	15.9	128	34.1	59	6	23	5	240	256	X	X BOTT
Q. C. SOUND	111	52	15.9	128	34.1	59	6	23	7	240	256	X	X BOTT
Q. C. SOUND	112	52	15.9	128	34.1	59	6	23	9	240	256	X	X BOTT

Q. C. SOUND	113	52 15.9	128 34.1	59	6 23 11	240	256	X	X BOTT
Q. C. SOUND	114	52 15.9	128 34.1	59	6 23 13	238	256	X	X BOTT
Q. C. SOUND	115	52 15.9	128 34.1	59	6 23 14	240	256	X	X BOTT
Q. C. SOUND	116	52 17.1	128 34.9	59	6 23 15	40		X	X BOTT
Q. C. SOUND	117	52 16.6	128 32.1	59	6 23 15	40		X	X BOTT
Q. C. SOUND	118	52 14.3	128 33.9	59	6 23 15	40		X	X BOTT
Q. C. SOUND	119	52 15.4	128 37.8	59	6 23 16	40		X	X BOTT
Q. C. SOUND	120	52 15.9	128 34.1	59	6 23 16	240	256	X	X BOTT
Q. C. SOUND	121	52 15.9	128 34.1	59	6 23 19	240	256	X	X BOTT
Q. C. SOUND	122	52 15.9	128 34.1	59	6 23 21	240	256	X	X BOTT
Q. C. SOUND	123	52 15.9	128 34.1	59	6 23 23	240	256	X	X BOTT
Q. C. SOUND	124	52 15.9	128 34.1	59	6 24 1	240	256	X	X BOTT
Q. C. SOUND	125	52 14.3	128 33.9	59	6 24 1	40		X	X BOTT
Q. C. SOUND	126	52 16.6	128 32.1	59	6 24 1	40		X	X BOTT
Q. C. SOUND	127	52 17.1	128 34.9	59	6 24 1	40		X	X BOTT
Q. C. SOUND	128	52 15.9	128 34.1	59	6 24 3	240	256	X	X BOTT
Q. C. SOUND	129	52 15.4	128 37.8	59	6 24 3	40		X	X BOTT
Q. C. SOUND	130	52 15.9	128 34.1	59	6 24 4	238	256	X	X BOTT
HECATE STRAIT	131	52 24.0	130 0.0	59	6 24 10	244	256	X	X BOTT
HECATE STRAIT	132	53 0.0	129 56.0	59	6 24 14	200	248	X	X BOTT
HECATE STRAIT	133	52 58.0	129 45.5	59	6 24 15	174	201	X	X BOTT
HECATE STRAIT	134	53 0.0	130 15.5	59	6 24 17	192	212	X	X BOTT
HECATE STRAIT	135	53 15.0	131 13.0	59	6 24 21	20	29	X	X BOTT
HECATE STRAIT	136	53 13.4	131 27.8	59	6 24 22	25	29	X	X BOTT
HECATE STRAIT	137	53 15.2	131 37.3	59	6 24 23	15	21	X	X BOTT
HECATE STRAIT	138	53 37.5	130 54.0	59	6 25 2	50	58	X	X BOTT
HECATE STRAIT	139	53 37.5	130 44.0	59	6 25 3	89	146	X	X BOTT
HECATE STRAIT	140	53 37.5	130 36.0	59	6 25 4	61	65	X	X BOTT
HECATE STRAIT	141	53 55.6	130 58.5	59	6 25 7	70	76	X	X BOTT
DIXON ENTRANCE	142	54 18.5	131 14.0	59	6 25 9	70	84	X	X BOTT
DIXON ENTRANCE	143	54 18.5	131 4.5	59	6 25 10	90	106	X	X BOTT
CHATHAM SOUND	144	54 19.0	130 52.0	59	6 25 11	124	138	X	X BOTT
CHATHAM SOUND	145	54 21.0	130 49.8	59	6 25 11	60	117	X	X BOTT
CHATHAM SOUND	146	54 10.3	130 32.3	59	6 25 13	99	120	X	X BOTT
CHATHAM SOUND	147	54 19.7	130 37.2	59	6 26 16	190	201	X	X BOTT
DIXON ENTRANCE	148	54 38.7	130 58.9	59	6 26 18	447	482	X	X BOTT
DIXON ENTRANCE	149	54 39.0	130 47.0	59	6 27 1	220	267	X	X BOTT
DIXON ENTRANCE	155	54 25.4	132 11.8	59	6 27 9	297	336	X	X BOTT
DIXON ENTRANCE	156	54 10.5	132 28.5	59	6 27 12	70	78	X	X BOTT
Q. C. SOUND	174	51 33.0	130 18.0	59	6 29 19	738	932	X	X BOTT
Q. C. SOUND	176	51 0.5	127 50.1	59	6 30 3	125	138	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 59-0011B
YEAR: 1959 VESSEL/AGENCY: POG, OSHAWA

AREA	STN	LAT	LON	DATE	CAST	WATER	PARAM	INSTR	INT NO
		DEG MIN	DEG MIN	YR MO DY HR	TO DEPTH	DEPTH	MEAS	HR	
		(M)	(M)		(M)	(M)	C S T		

DIXON ENTRANCE	54	54 18.0	133 00.0	59 12 3 08	400		X	X	BOTT
DIXON ENTRANCE	55	54 25.0	132 58.0	59 12 3 09	175	201	X	X	BOTT
DIXON ENTRANCE	56	54 32.0	132 59.0	59 12 3 11	314	627	X	X	BOTT
DIXON ENTRANCE	57	54 37.0	132 39.0	59 12 3 16	98	124	X	X	BOTT
DIXON ENTRANCE	58	54 42.0	131 54.0	59 12 3 19	300	365	X	X	BOTT
DIXON ENTRANCE	59	54 43.0	131 35.0	59 12 3 21	221	237	X	X	BOTT
DIXON ENTRANCE	60	54 46.0	131 18.0	59 12 3 22	175	183	X	X	BOTT
DIXON ENTRANCE	61	54 48.0	131 00.0	59 12 3 23	100	113	X	X	BOTT
DIXON ENTRANCE	62	54 44.0	130 52.0	59 12 4	230		X	X	BOTT
DIXON ENTRANCE	63	54 40.0	130 52.0	59 12 4 1	275		X	X	BOTT
DIXON ENTRANCE	64	54 39.0	130 37.0	59 12 4 3	316		X	X	BOTT
CHATHAM SOUND	65	54 20.0	130 36.0	59 12 4 5	100	107	X	X	BOTT
DIXON ENTRANCE	66	54 20.0	131 14.0	59 12 4 7	71	76	X	X	BOTT
CHATHAM SOUND	67	54 10.0	130 33.0	59 12 6 19	123		X	X	BOTT
CHATHAM SOUND	68	54 20.0	130 46.0	59 12 6 20	50	65	X	X	BOTT
CHATHAM SOUND	69	54 19.0	130 51.0	59 12 6 21	150		X	X	BOTT
DIXON ENTRANCE	70	54 19.0	131 4.0	59 12 6 22	80		X	X	BOTT
HECATE STRAIT	71	53 56.0	130 59.0	59 12 7	58	82	X	X	BOTT
HECATE STRAIT	72	53 38.0	130 54.0	59 12 7 3	40	45	X	X	BOTT
HECATE STRAIT	73	53 39.0	130 45.0	59 12 7 3	100	120	X	X	BOTT
HECATE STRAIT	74	53 39.0	130 37.0	59 12 7 4	48	58	X	X	BOTT
HECATE STRAIT	75	53 39.0	130 37.0	59 12 7 9	40	54	X	X	BOTT
HECATE STRAIT	76	53 39.0	130 44.0	59 12 7 9	80	102	X	X	BOTT
HECATE STRAIT	77	53 39.0	130 56.0	59 12 7 10	40	47	X	X	BOTT
HECATE STRAIT	78	53 15.0	131 10.0	59 12 7 13	30		X	X	BOTT
HECATE STRAIT	79	53 15.0	131 27.0	59 12 7 14	25	31	X	X	BOTT
HECATE STRAIT	80	53 15.0	131 37.0	59 12 7 15	16	32	X	X	BOTT

SKIDEGATE CH.	81	53 14.0	132 1.0	59 12	7 17	75	80	X	X BOTT
HECATE STRAIT	82	52 59.0	130 16.0	59 12	8 22	200	219	X	X BOTT
HECATE STRAIT	83	53 0.0	129 58.0	59 12	9	215	234	X	X BOTT
HECATE STRAIT	84	52 28.0	130 0.0	59 12	9 3	130	274	X	X BOTT
Q. C. SOUND	85	52 16.0	128 36.0	59 12	9 19	177		X	X BOTT
Q. C. SOUND	86	52 12.0	128 43.0	59 12	9 20	173	241	X	X BOTT
Q. C. SOUND	87	51 26.0	127 49.0	59 12	10 2	90	100	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 59-0011C
YEAR:1959 VESSEL/AGENCY: OSHAWA

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER MEAS (M)	PARAM C S T	INSTR	INT NO HR
Q. C. SOUND	51	51 33.5	130 17.5	59 4 13 2	858	950		X X BOTT	
Q. C. SOUND	53	50 55.5	129 15.3	59 4 13 7	79	109		X X BOTT	
Q. C. SOUND	57	50 59.0	128 26.2	59 4 13 12	76	82		X X BOTT	
Q. C. SOUND	58	51 0.5	127 51.0	59 4 13 14	125	118		X X BOTT	
Q. C. SOUND	62	51 25.5	127 49.7	59 4 14 5	90	100		X X BOTT	
Q. C. SOUND	63	51 22.0	128 36.5	59 4 14 8	130	201		X X BOTT	
Q. C. SOUND	64	51 30.1	128 42.5	59 4 14 10	34	38		X X BOTT	
Q. C. SOUND	65	51 39.5	128 41.7	59 4 14 11	34	38		X X BOTT	
Q. C. SOUND	66	51 48.0	128 34.7	59 4 14 13	128	135		X X BOTT	
HECATE STRAIT	67	52 10.7	129 11.7	59 4 14 16	150	155		X X BOTT	
HECATE STRAIT	68	52 10.4	128 55.7	59 4 14 17	110	146		X X BOTT	
Q. C. SOUND	69	52 12.5	128 42.2	59 4 14 18	174	182		X X BOTT	
Q. C. SOUND	70	52 15.7	128 35.7	59 4 14 21	240	239		X X BOTT	
Q. C. SOUND	71	52 15.7	128 35.7	59 4 14 22	240	239		X X BOTT	
Q. C. SOUND	72	52 15.7	128 35.7	59 4 14 23	240	239		X X BOTT	
Q. C. SOUND	73	52 15.7	128 35.7	59 4 15	240	239		X X BOTT	
Q. C. SOUND	74	52 15.7	128 35.7	59 4 15 1	240	239		X X BOTT	
Q. C. SOUND	75	52 15.7	128 35.7	59 4 15 2	240	239		X X BOTT	
Q. C. SOUND	76	52 15.7	128 35.7	59 4 15 5	240	239		X X BOTT	
Q. C. SOUND	77	52 15.7	128 35.7	59 4 15 7	240	239		X X BOTT	
Q. C. SOUND	78	52 15.7	128 35.7	59 4 15 9	240	239		X X BOTT	
Q. C. SOUND	79	52 15.7	128 35.7	59 4 15 11	240	239		X X BOTT	
Q. C. SOUND	80	52 15.7	128 35.7	59 4 15 13	240	239		X X BOTT	
Q. C. SOUND	81	52 15.7	128 35.7	59 4 15 15	240	239		X X BOTT	
Q. C. SOUND	82	52 15.7	128 35.7	59 4 15 17	240	239		X X BOTT	
Q. C. SOUND	83	52 15.7	128 35.7	59 4 15 19	240	239		X X BOTT	
HECATE STRAIT	84	52 25.0	130 0.0	59 4 16 1	184	265		X X BOTT	
HECATE STRAIT	85	52 50.8	129 44.8	59 4 16 5	196	219		X X BOTT	
HECATE STRAIT	86	53 0.2	129 55.2	59 4 16 6	80	91		X X BOTT	
HECATE STRAIT	87	53 0.2	130 15.0	59 4 16 8	200	202		X X BOTT	
HECATE STRAIT	88	53 13.0	131 14.0	59 4 16 12	30	31		X X BOTT	
HECATE STRAIT	89	53 15.0	131 28.0	59 4 16 13	22	23		X X BOTT	
HECATE STRAIT	90	53 15.0	131 37.3	59 4 16 14	20	20		X X BOTT	
HECATE STRAIT	91	53 37.8	130 53.5	59 4 16 17	40	45		X X BOTT	
HECATE STRAIT	92	53 37.8	130 44.3	59 4 16 18	122	146		X X BOTT	
HECATE STRAIT	93	53 37.6	130 36.8	59 4 16 19	48	54		X X BOTT	
HECATE STRAIT	94	53 55.6	130 58.4	59 4 16 21	68	73		X X BOTT	
DIXON ENTRANCE	95	54 16.0	131 8.1	59 4 16 23	25	20		X X BOTT	
DIXON ENTRANCE	96	54 16.7	131 1.2	59 4 17	109	118		X X BOTT	
CHATHAM SOUND	97	54 19.0	130 54.0	59 4 17 1	198	210		X X BOTT	
CHATHAM SOUND	98	54 10.1	130 32.3	59 4 18 15	180	182		X X BOTT	
CHATHAM SOUND	99	54 19.6	130 37.3	59 4 18 17	160	160		X X BOTT	
DIXON ENTRANCE	100	54 38.8	130 39.0	59 4 18 19	472	475		X X BOTT	
DIXON ENTRANCE	101	54 39.0	130 47.0	59 4 18 20	202	246		X X BOTT	
DIXON ENTRANCE	102	54 44.0	130 51.6	59 4 18 22	245	247		X X BOTT	
DIXON ENTRANCE	103	54 47.8	131 00.0	59 4 18 23	85	91		X X BOTT	
DIXON ENTRANCE	104	54 45.7	131 18.5	59 4 19 00	155	155		X X BOTT	
DIXON ENTRANCE	105	54 43.5	131 42.2	59 4 19 02	430	439		X X BOTT	
DIXON ENTRANCE	106	54 42.2	131 53.4	59 4 19 3	353	365		X X BOTT	
DIXON ENTRANCE	107	54 25.0	132 12.2	59 4 19 5	312	329		X X BOTT	
DIXON ENTRANCE	108	54 10.6	132 28.2	59 4 19 7	70	73		X X BOTT	
DIXON ENTRANCE	109	54 18.4	133 03.3	59 4 19 9	436	448		X X BOTT	
DIXON ENTRANCE	110	54 28.4	133 03.3	59 4 19 11	65	73		X X BOTT	
DIXON ENTRANCE	111	54 34.0	132 58.8	59 4 19 12	358	384		X X BOTT	
DIXON ENTRANCE	112	54 39.2	132 52.8	59 4 19 13	161	174		X X BOTT	
Q. C. SOUND	126	51 58.0	130 55.8	59 4 21 14	120	120		X X BOTT	
Q. C. SOUND	127	52 0.0	130 30.0	59 4 21 16	334	354		X X BOTT	
Q. C. SOUND	128	51 33.0	130 17.0	59 4 21 18	313	336		X X BOTT	

BOTTLE/CTD DATA SET NUMBER: 59-0018
YEAR:1959 VESSEL/AGENCY: POG,OSHAWA

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST WATER PARAM TO DEPTH MEAS (M) (M)	INSTR INT NO HR C S T
DIXON ENTRANCE	27	54 15.0	133 20.0	59 01 28 08	303 432 X	X BOTT
DIXON ENTRANCE	28	54 32.0	133 00.0	59 01 31 01	325 357 X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 59-0019
YEAR:1959 VESSEL/AGENCY: POG,OSHAWA

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST WATER PARAM TO DEPTH MEAS (M) (M)	INSTR INT NO HR C S T
DIXON ENTRANCE	65	54 36.0	133 30.0	59 08 26 08	272 X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 60-0011
YEAR:1960 VESSEL/AGENCY: POG,OSHAWA

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST WATER PARAM TO DEPTH MEAS (M) (M)	INSTR INT NO HR C S T
DIXON ENTRANCE	78	54 18.0	133 04.0	60 8 28 19	425 457 X	X BOTT
DIXON ENTRANCE	79	54 23.0	131 22.0	60 8 29 2	200 219 X	X BOTT
DIXON ENTRANCE	80	54 13.0	131 16.0	60 8 29 4	25 29 X	X BOTT
DIXON ENTRANCE	81	54 15.0	131 1.0	60 8 29 6	75 91 X	X BOTT
DIXON ENTRANCE	82	54 36.0	133 00.0	60 8 31 02	375 397 X	X BOTT
DIXON ENTRANCE	100	51 31.0	132 32.0	60 9 6 3	1210 1536 X	X BOTT
Q. C. SOUND	101	51 14.0	129 36.0	60 9 6 7	240 265 X	X BOTT
Q. C. SOUND	102	51 23.0	128 54.0	60 9 6 10	185 199 X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 60-0012
YEAR:1960 VESSEL/AGENCY: POG,OSHAWA

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST WATER PARAM TO DEPTH MEAS (M) (M)	INSTR INT NO HR C S T
Q. C. SOUND	13	51 2.0	127 52.0	60 10 21	127 146 X	X BOTT
Q. C. SOUND	14	51 20.0	128 54.0	60 10 21 4	199 223 X	X BOTT
Q. C. SOUND	15	51 53.0	128 39.0	60 10 21 7	131 142 X	X BOTT
HECATE STRAIT	16	52 10.0	128 45.0	60 10 21 9	211 237 X	X BOTT
HECATE STRAIT	17	52 52.0	129 30.0	60 10 21 15	227 274 X	X BOTT
HECATE STRAIT	18	53 1.0	130 16.0	60 10 21 18	200 223 X	X BOTT
HECATE STRAIT	19	53 38.0	130 44.0	60 10 21 22	133 149 X	X BOTT
DIXON ENTRANCE	20	54 11.0	131 5.0	60 10 22	70 84 X	X BOTT
DIXON ENTRANCE	21	54 16.0	131 2.0	60 10 22 1	93 113 X	X BOTT
CHATHAM SOUND	22	54 21.0	130 35.0	60 10 23 16	84 89 X	X BOTT
DIXON ENTRANCE	23	54 42.0	130 56.0	60 10 23 19	341 365 X	X BOTT
DIXON ENTRANCE	24	54 43.0	131 40.0	60 10 23 21	297 310 X	X BOTT
DIXON ENTRANCE	25	54 16.0	131 25.0	60 10 24	30 40 X	X BOTT
DIXON ENTRANCE	26	54 34.0	132 52.0	60 10 24 05	334 373 X	X BOTT
DIXON ENTRANCE	27	54 18.0	133 05.0	60 10 24 07	428 446 X	X BOTT
DIXON ENTRANCE	29	54 46.0	130 57.0	60 10 26 04	230 307 X	X BOTT
Q. C. SOUND	30	51 37.0	130 18.0	60 10 26 7	306 416 X	X BOTT
Q. C. SOUND	31	51 08.0	129 40.0	60 10 26 11	250 274 X	X BOTT
Q. C. SOUND	32	50 49.0	129 00.0	60 10 26 12	100 108 X	X BOTT
SMITH INLET	33	51 18.0	127 39.0	60 10 26 19	150 168 X	X BOTT
SMITH INLET	34	51 18.0	127 21.0	60 10 26 21	300 356 X	X BOTT
SMITH INLET	35	51 19.0	127 16.0	60 10 26 22	250 274 X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 61-0016
YEAR:1961 VESSEL/AGENCY: POG,OSHAWA

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO	WATER DEPTH	PARAM MEAS	INSTR (M) C S T	INT NO HR
Q. C. SOUND	86	50 55.0	128 27.0	61 4 12 15		50	54	X	X BOTT
Q. C. SOUND	87	51 7.0	128 31.0	61 4 12 17		121	137	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 61-0017A
YEAR:1961 VESSEL/AGENCY: POG,WHITETHROAT

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO	WATER DEPTH	PARAM MEAS	INSTR (M) C S T	INT NO HR
Q. C. SOUND	32	50 54.0	128 27.0	61 7 28 1		52	49	X	X BOTT
Q. C. SOUND	33	51 5.0	128 43.0	61 7 28 4		123	128	X	X BOTT
Q. C. SOUND	34	51 22.0	128 43.0	61 7 28 6		215	219	X	X BOTT
Q. C. SOUND	35	51 33.0	128 49.0	61 7 28 8		39	40	X	X BOTT
Q. C. SOUND	36	51 38.0	128 42.0	61 7 28 9		35	36	X	X BOTT
Q. C. SOUND	37	51 45.0	128 33.0	61 7 28 10		148	146	X	X BOTT
Q. C. SOUND	38	51 50.0	128 29.0	61 7 28 11		106	91	X	X BOTT
Q. C. SOUND	39	51 53.0	128 39.0	61 7 28 13		137	133	X	X BOTT
Q. C. SOUND	40	51 50.0	129 8.0	61 7 28 16		113	118	X	X BOTT
Q. C. SOUND	41	51 51.0	129 31.0	61 7 28 18		235	237	X	X BOTT
Q. C. SOUND	42	51 33.0	129 25.0	61 7 28 20		60	64	X	X BOTT
Q. C. SOUND	43	51 22.0	129 23.0	61 7 28 22		210	210	X	X BOTT
Q. C. SOUND	44	51 12.0	129 20.0	61 7 29		197	237	X	X BOTT
Q. C. SOUND	45	51 4.0	129 35.0	61 7 29 2		242	228	X	X BOTT
Q. C. SOUND	46	51 0.0	129 16.0	61 7 29 3		157	146	X	X BOTT
Q. C. SOUND	47	50 53.0	129 13.0	61 7 29 5		71	64	X	X BOTT
Q. C. SOUND	51	51 38.0	130 19.0	61 7 29 20		220	219	X	X BOTT
Q. C. SOUND	52	51 53.0	130 49.0	61 7 29 23		30	36	X	X BOTT
HECATE STRAIT	53	52 22.0	130 49.0	61 7 30 21		120	118	X	X BOTT
HECATE STRAIT	54	52 50.0	130 47.0	61 7 31		48	49	X	X BOTT
HECATE STRAIT	55	52 56.0	130 32.0	61 7 31 1		123	118	X	X BOTT
HECATE STRAIT	56	53 2.0	130 14.0	61 7 31 3		193	201	X	X BOTT
HECATE STRAIT	57	53 7.0	130 2.0	61 7 31 5		121	100	X	X BOTT
HECATE STRAIT	58	53 39.0	130 57.0	61 7 31 10		45	49	X	X BOTT
HECATE STRAIT	59	53 39.0	130 44.0	61 7 31 11		134	137	X	X BOTT
HECATE STRAIT	60	53 39.0	130 35.0	61 7 31 12		25	27	X	X BOTT
HECATE STRAIT	61	53 57.0	131 1.0	61 7 31 14		68	78	X	X BOTT
CHATHAM SOUND	62	54 11.0	130 54.0	61 7 31 16		98	100	X	X BOTT
DIXON ENTRANCE	63	54 11.0	131 4.0	61 7 31 17		92		X	X BOTT
DIXON ENTRANCE	64	54 11.0	131 11.0	61 7 31 18		30	31	X	X BOTT
DIXON ENTRANCE	65	54 22.0	131 10.0	61 7 31 20		61	64	X	X BOTT
DIXON ENTRANCE	66	54 24.0	131 21.0	61 7 31 21		215	228	X	X BOTT
DIXON ENTRANCE	67	54 20.0	131 18.0	61 7 31 22		117	124	X	X BOTT
DIXON ENTRANCE	68	54 22.0	131 5.0	61 7 31 23		100	104	X	X BOTT
CHATHAM SOUND	69	54 19.0	130 54.0	61 8 1		100	109	X	X BOTT
CHATHAM SOUND	70	54 18.0	130 41.0	61 8 1 1		180	182	X	X BOTT
DIXON ENTRANCE	71	54 40.0	130 54.0	61 8 2 21		173	237	X	X BOTT
DIXON ENTRANCE	75	54 38.0	132 0.0	61 8 3 4		164	182	X	X BOTT
DIXON ENTRANCE	76	54 31.0	131 59.0	61 8 3 5		246	274	X	X BOTT
DIXON ENTRANCE	77	54 22.0	132 1.0	61 8 3 7		244	246	X	X BOTT
DIXON ENTRANCE	78	54 14.0	132 0.0	61 8 3 9		140	138	X	X BOTT
DIXON ENTRANCE	79	54 12.0	132 39.0	61 8 3 11		100	100	X	X BOTT
DIXON ENTRANCE	80	54 18.0	133 03.0	61 8 3 14		400	430	X	X BOTT
DIXON ENTRANCE	81	54 25.0	132 53.0	61 8 3 15		300	338	X	X BOTT
DIXON ENTRANCE	82	54 33.0	132 49.0	61 8 3 17		300		X	X BOTT
DIXON ENTRANCE	83	54 39.0	132 42.0	61 8 3 19		94		X	X BOTT
DIXON ENTRANCE	84	54 42.0	133 07.0	61 8 3 21		165	161	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 61-0017B
YEAR: 1961 VESSEL/AGENCY: POG, OSHAWA

AREA	STN	LAT	LON	DATE				CAST TO	WATER DEPTH	PARAM MEAS	INSTR	INT	NO
				DEG	MIN	DEG	MIN						
Q. C. SOUND	32	50 54.0	128 27.0	61	10	4	2	49	53	X	X	BOTT	
Q. C. SOUND	33	51 7.0	128 33.0	61	10	4	4	148	151	X	X	BOTT	
Q. C. SOUND	34	51 22.0	128 43.0	61	10	4	7	213	219	X	X	BOTT	
Q. C. SOUND	35	51 33.0	128 49.0	61	10	4	9	33	38	X	X	BOTT	
Q. C. SOUND	36	51 38.0	128 42.0	61	10	4	10	30	32	X	X	BOTT	
Q. C. SOUND	37	51 50.0	128 49.0	61	10	4	12	60	69	X	X	BOTT	
Q. C. SOUND	38	51 49.0	129 8.0	61	10	4	13	100	109	X	X	BOTT	
Q. C. SOUND	39	51 51.0	129 30.0	61	10	4	16	220	223	X	X	BOTT	
Q. C. SOUND	40	51 33.0	129 27.0	61	10	4	19	53	54	X	X	BOTT	
Q. C. SOUND	41	51 22.0	129 22.0	61	10	4	21	132	137	X	X	BOTT	
Q. C. SOUND	42	51 12.0	129 20.0	61	10	4	23	275	292	X	X	BOTT	
Q. C. SOUND	43	51 0.0	129 16.0	61	10	5	1	153	151	X	X	BOTT	
Q. C. SOUND	48	51 34.0	130 18.0	61	10	5	18	533	685	X	X	BOTT	
Q. C. SOUND	50	52 0.0	130 48.0	61	10	6	2	249	274	X	X	BOTT	
HECATE STRAIT	51	52 22.0	130 48.0	61	10	6	5	111	128	X	X	BOTT	
HECATE STRAIT	52	52 50.0	130 47.0	61	10	6	8	50	51	X	X	BOTT	
HECATE STRAIT	53	52 56.0	130 32.0	61	10	6	10	94	96	X	X	BOTT	
HECATE STRAIT	54	53 0.0	130 17.0	61	10	6	12	208	215	X	X	BOTT	
HECATE STRAIT	55	53 5.0	130 3.0	61	10	6	13	101	107	X	X	BOTT	
HECATE STRAIT	56	53 39.0	130 57.0	61	10	6	18	37	45	X	X	BOTT	
HECATE STRAIT	57	53 39.0	130 44.0	61	10	6	20	128	129	X	X	BOTT	
HECATE STRAIT	58	53 39.0	130 35.0	61	10	6	21	35	38	X	X	BOTT	
HECATE STRAIT	59	53 57.0	131 1.0	61	10	6	23	81	82	X	X	BOTT	
CHATHAM SOUND	60	54 11.0	130 54.0	61	10	7	1	52	58	X	X	BOTT	
DIXON ENTRANCE	61	54 11.0	131 2.0	61	10	7	2	86	91	X	X	BOTT	
DIXON ENTRANCE	62	54 11.0	131 11.0	61	10	7	3	22	27	X	X	BOTT	
DIXON ENTRANCE	63	54 20.0	131 18.0	61	10	7	5	107	124	X	X	BOTT	
DIXON ENTRANCE	64	54 24.0	131 22.0	61	10	7	6	215	223	X	X	BOTT	
DIXON ENTRANCE	65	54 22.0	131 10.0	61	10	7	8	59	69	X	X	BOTT	
DIXON ENTRANCE	66	54 22.0	131 5.0	61	10	7	8	93	91	X	X	BOTT	
CHATHAM SOUND	67	54 19.0	130 52.0	61	10	7	16	92	93	X	X	BOTT	
CHATHAM SOUND	68	54 18.0	130 41.0	61	10	7	18	196	195	X	X	BOTT	
DIXON ENTRANCE	69	54 40.0	130 53.0	61	10	8	19	394	460	X	X	BOTT	
DIXON ENTRANCE	70	54 45.0	130 53.0	61	10	8	21	205	274	X	X	BOTT	
DIXON ENTRANCE	71	54 44.0	131 11.0	61	10	8	23	250	256	X	X	BOTT	
DIXON ENTRANCE	72	54 43.0	131 40.0	61	10	9	01	250	366	X	X	BOTT	
DIXON ENTRANCE	73	54 38.0	132 0.0	61	10	9	4	228	256	X	X	BOTT	
DIXON ENTRANCE	74	54 31.0	131 59.0	61	10	9	6	318	310	X	X	BOTT	
DIXON ENTRANCE	75	54 21.0	131 58.0	61	10	9	8	224	237	X	X	BOTT	
DIXON ENTRANCE	76	54 12.0	131 58.0	61	10	9	9	96	100	X	X	BOTT	
DIXON ENTRANCE	77	54 12.0	132 30.0	61	10	9	12	90	100	X	X	BOTT	
DIXON ENTRANCE	78	54 18.0	133 0.0	61	10	9	14	381	454	X	X	BOTT	
DIXON ENTRANCE	79	54 26.0	132 56.0	61	10	9	17	287	324	X	X	BOTT	
DIXON ENTRANCE	80	54 33.0	132 49.0	61	10	9	18	300	365	X	X	BOTT	
DIXON ENTRANCE	81	54 39.0	132 43.0	61	10	9	19	100	100	X	X	BOTT	
DIXON ENTRANCE	82	54 42.0	133 0.0	61	10	9	21	158	168	X	X	BOTT	
DIXON ENTRANCE	88	54 12.0	132 30.0	61	10	10	11	80	82	X	X	BOTT	
DIXON ENTRANCE	89	54 12.0	131 58.0	61	10	10	13	90	95	X	X	BOTT	
DIXON ENTRANCE	90	54 21.0	131 58.0	61	10	10	14	258	89	X	X	BOTT	
DIXON ENTRANCE	91	54 31.0	131 59.0	61	10	10	16	275	270	X	X	BOTT	
DIXON ENTRANCE	92	54 38.0	132 0.0	61	10	10	18	177	186	X	X	BOTT	
DIXON ENTRANCE	95	54 42.0	130 54.0	61	10	10	23	200		X	X	BOTT	
CHATHAM SOUND	96	54 18.0	130 41.0	61	10	12	19	150	182	X	X	BOTT	
CHATHAM SOUND	97	54 19.0	130 54.0	61	10	12	20	54	82	X	X	BOTT	
DIXON ENTRANCE	98	54 22.0	131 5.0	61	10	12	21	72	87	X	X	BOTT	
DIXON ENTRANCE	99	54 22.0	131 10.0	61	10	12	22	54	73	X	X	BOTT	
DIXON ENTRANCE	100	54 24.0	131 22.0	61	10	12	23	147	219	X	X	BOTT	
DIXON ENTRANCE	101	54 20.0	131 18.0	61	10	13		102	120	X	X	BOTT	
DIXON ENTRANCE	102	54 11.0	131 11.0	61	10	13	2	28	32	X	X	BOTT	
DIXON ENTRANCE	103	54 11.0	131 2.0	61	10	13	3	94	100	X	X	BOTT	
HECATE STRAIT	104	53 57.0	131 1.0	61	10	13	6	74	250	X	X	BOTT	
HECATE STRAIT	105	53 40.0	130 36.0	61	10	13	9	62	64	X	X	BOTT	
HECATE STRAIT	106	53 39.0	130 44.0	61	10	13	10	98	137	X	X	BOTT	
HECATE STRAIT	107	53 39.0	130 57.0	61	10	13	11	41	51	X	X	BOTT	
Q. C. SOUND	108	51 49.0	130 41.0	61	10	15	21	289	457	X	X	BOTT	
Q. C. SOUND	109	51 34.0	130 18.0	61	10	16		590	877	X	X	BOTT	
Q. C. SOUND	113	50 53.0	129 13.0	61	10	16	13	80	80	X	X	BOTT	
Q. C. SOUND	114	51 0.0	129 16.0	61	10	16	14	159	164	X	X	BOTT	
Q. C. SOUND	116	51 12.0	129 20.0	61	10	16	18	271	332	X	X	BOTT	
Q. C. SOUND	117	51 22.0	129 22.0	61	10	16	20	160	179	X	X	BOTT	
Q. C. SOUND	118	51 33.0	129 26.0	61	10	16	21	40	54	X	X	BOTT	

Q. C. SOUND	119	51	51.0	129	31.0	61	10	16	23	225	237	X	X BOTT
Q. C. SOUND	120	51	50.0	129	8.0	61	10	17	1	120	124	X	X BOTT
Q. C. SOUND	121	51	50.0	128	49.0	61	10	17	2	67	73	X	X BOTT
Q. C. SOUND	122	51	38.0	128	42.0	61	10	17	4	40	47	X	X BOTT
Q. C. SOUND	123	51	33.0	128	49.0	61	10	17	5	40	45	X	X BOTT
Q. C. SOUND	124	51	22.0	128	43.0	61	10	17	6	225	219	X	X BOTT
Q. C. SOUND	125	51	7.0	128	33.0	61	10	17	8	100	109	X	X BOTT
Q. C. SOUND	126	50	54.0	128	27.0	61	10	17	10	40	58	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 61-0018
YEAR:1961 VESSEL/AGENCY: POG,OSHAWA

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							
DIXON ENTRANCE	12	54	18.0	133	04.0	61	2	12	01	400	461	X	X BOTT
DIXON ENTRANCE	13	54	34.0	132	50.0	61	2	12	03	280	366	X	X BOTT
DIXON ENTRANCE	14	54	42.7	131	40.0	61	2	12	06	346	417	X	X BOTT
DIXON ENTRANCE	15	54	42.0	130	56.0	61	2	12	9	290	320	X	X BOTT
DIXON ENTRANCE	16	54	22.0	131	18.0	61	2	12	12	145	160	X	X BOTT
DIXON ENTRANCE	17	54	12.0	131	16.0	61	2	12	16	25	32	X	X BOTT
DIXON ENTRANCE	18	54	15.0	131	2.0	61	2	12	17	100	106	X	X BOTT
CHATHAM SOUND	19	54	10.0	130	32.0	61	2	12	20	118	173	X	X BOTT
HECATE STRAIT	20	53	37.2	130	42.8	61	2	14	1	117	124	X	X BOTT
HECATE STRAIT	21	52	59.0	130	16.0	61	2	14	5	200	212	X	X BOTT
HECATE STRAIT	22	52	53.5	129	32.0	61	2	14	8	195	285	X	X BOTT
CAPE ST. JAMES	23	51	54.6	131	04.4	61	2	14	15	188	417	X	X BOTT
Q. C. SOUND	24	51	34.0	130	17.0	61	2	14	18	610	676	X	X BOTT
HECATE STRAIT	25	52	11.0	129	12.0	61	2	14	22	125	157	X	X BOTT
Q. C. SOUND	26	52	12.4	128	42.3	61	2	15	1	249	256	X	X BOTT
Q. C. SOUND	27	51	53.0	128	39.0	61	2	15	3	121	142	X	X BOTT
Q. C. SOUND	28	51	20.0	128	54.0	61	2	15	6	169	234	X	X BOTT
Q. C. SOUND	29	51	10.0	129	35.0	61	2	15	8	282	283	X	X BOTT
Q. C. SOUND	30	50	49.0	129	0.0	61	2	15	11	65		X	X BOTT
Q. C. SOUND	31	51	2.0	127	52.0	61	2	15	16	113	153	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 61-0019
YEAR:1961 VESSEL/AGENCY: POG,OSHAWA

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							
DIXON ENTRANCE		54	15.0	133	26.0	61	6	7		397	420	X	X BOTT
DIXON ENTRANCE	78	54	37.0	132	59.0	61	6	3	08	300	384	X	X BOTT
DIXON ENTRANCE	79	54	23.0	131	21.0	61	6	3	14	175	197	X	X BOTT
DIXON ENTRANCE	80	54	12.0	131	15.0	61	6	3	15	25	31	X	X BOTT
DIXON ENTRANCE	81	54	15.0	131	2.0	61	6	3	16	100	120	X	X BOTT
DIXON ENTRANCE	82	54	18.0	133	04.0	61	6	7	21	400	457	X	X BOTT
Q. C. SOUND	109	51	34.0	130	18.0	61	6	14	7	757	804	X	X BOTT
Q. C. SOUND	111	51	20.0	128	54.0	61	6	14	13	200	219	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 61-0020
YEAR:1961 VESSEL/AGENCY: STRANGER,...

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							

DIXON ENTRANCE	1	54	20.0	131	34.0	61	9	2	20	160	175	X	X BOTT
DIXON ENTRANCE	2	54	26.0	131	34.0	61	9	2	23	151	256	X	X BOTT

DIXON ENTRANCE	3	54	13.0	131	48.0	61	9	3	22	124	133	X	X BOTT
DIXON ENTRANCE	4	54	13.0	131	48.0	61	9	4		100	115	X	X BOTT
DIXON ENTRANCE	5	54	13.0	132	15.0	61	9	4	2	121	149	X	X BOTT
DIXON ENTRANCE	10	54	26.0	131	34.5	61	9	3	23	134	256	X	X BOTT
DIXON ENTRANCE	11	54	13.0	131	48.0	61	9	4		97	115	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 61-0021
YEAR:1961 VESSEL/AGENCY: OSHAWA

AREA	STN	LAT	LON	DATE	CAST	WATER	PARAM	INSTR	INT NO
		DEG MIN	DEG MIN	YR MO DY	TO	DEPTH	MEAS	HR	
				HR	(M)	(M)	C S T		
HECATE STRAIT	10	52	50.5	131 05.0	61 07 11		25		X X BOTT
HECATE STRAIT	11	53	30.0	131 32.0	61 07 12		25		X X BOTT
HECATE STRAIT	12	52	52.0	130 10.0	61 07 12		193		X X BOTT

BOTTLE/CTD DATA SET NUMBER: 61-0022
YEAR:1961 VESSEL/AGENCY: EHKOOLI

AREA	STN	LAT	LON	DATE	CAST	WATER	PARAM	INSTR	INT NO
		DEG MIN	DEG MIN	YR MO DY	TO	DEPTH	MEAS	HR	
				HR	*PST	(M)	(M)	C S T	
BC INLETS	P1	54	20.5	130 16.9	61 09 15 06 *	50	58	X	X BOTT
BC INLETS	P2	54	18.7	130 21.45	61 09 15 07	50	70	X	X BOTT
BC INLETS	P3	54	16.9	130 21.85	61 09 15 09	40	40	X	X BOTT
BC INLETS	P4	54	13.97	130 20.8	61 09 15 11	40	42	X	X BOTT
BC INLETS	P5	54	13.5	130 24.0	61 09 15 12	50	52	X	X BOTT
BC INLETS	P6	54	12.85	130 29.0	61 09 15 14	100	102	X	X BOTT
BC INLETS	P7	54	12.5	130 20.35	61 09 15 15	20	26	X	X BOTT
BC INLETS	P8	54	11.95	130 18.6	61 09 16 08	20	20	X	X BOTT
BC INLETS	P9	54	12.5	130 17.75	61 09 16 09	20	24	X	X BOTT
FISHER CHANNEL	O-1	52	10.0	127 52.0	61 09 19 12	491	691	X	X BOTT
FISHER CHANNEL	O-2	52	13.2	127 48.8	61 09 19 14	388	530	X	X BOTT
FISHER CHANNEL	O-3	52	15.5	127 46.4	61 09 19 16	383	460	X	X BOTT
FISHER CHANNEL	O-4	52	17.3	127 45.8	61 09 20 07	75	80	X	X BOTT
FISHER CHANNEL	O-5	52	18.8	127 45.3	61 09 20 08	75	80	X	X BOTT
FISHER CHANNEL	O-6	52	19.9	127 44.3	61 09 20 10	50	70	X	X BOTT
FISHER CHANNEL	O-7	52	20.8	127 43.8	61 09 20 11	50	67	X	X BOTT
FISHER CHANNEL	O-8	52	21.4	127 43.0	61 09 20 12	50	55	X	X BOTT
FISHER CHANNEL	O-9	52	21.1	127 43.0	61 09 20 13	50	62	X	X BOTT
PRINCE RUPERT	P-1	54	20.5	130 16.9	61 09 15 06	50	59	X	X BOTT
PRINCE RUPERT	P-2	54	18.7	130 21.45	61 09 15 07	50	70	X	X BOTT
PRINCE RUPERT	P-3	54	16.9	130 21.85	61 09 15 09	40	40	X	X BOTT
PRINCE RUPERT	P-4	54	13.97	130 20.8	61 09 15 11	40	42	X	X BOTT
PRINCE RUPERT	P-5	54	13.5	130 24.0	61 09 15 12	50	52	X	X BOTT
PRINCE RUPERT	P-6	54	12.85	130 29.0	61 09 15 14	100	102	X	X BOTT
PRINCE RUPERT	P-7	54	12.5	130 20.35	61 09 15 15	20	26	X	X BOTT
PRINCE RUPERT	P-8	54	11.95	130 18.6	61 09 16 08	20	20	X	X BOTT
PRINCE RUPERT	P-9	54	12.5	130 17.75	61 09 16 09	20	24	X	X BOTT
BC INLETS	P10	54	13.25	130 17.6	61 09 16 10	20	22	X	X BOTT
BC INLETS	P11	54	13.65	130 17.9	61 09 16 12	15	18	X	X BOTT
BC INLETS	P12	54	13.95	130 18.1	61 09 16 12	20	22	X	X BOTT
BC INLETS	P13	54	14.2	130 18.4	61 09 16 14	14	16	X	X BOTT
BC INLETS	P14	54	14.59	130 18.4	61 09 16 15	20	24	X	X BOTT
BC INLETS	P15	54	14.7	130 17.4	61 09 17 14	20	25	X	X BOTT
BC INLETS	P17	54	14.9	130 16.4	61 09 17 15	6	7	X	X BOTT
BC INLETS	P18	54	15.4	130 16.0	61 09 17 16	14	15	X	X BOTT
FISHER CHANNEL	O-10	52	21.1	127 42.3	61 09 20 14	50	55	X	X BOTT
FISHER CHANNEL	O-11	52	21.15	127 41.7	61 09 21 07	30	32	X	X BOTT
FISHER CHANNEL	O-12	52	21.0	127 41.65	61 09 21 16	29	30	X	X BOTT
FISHER CHANNEL	O-13	52	20.9	127 41.8	61 09 21 09	35	39	X	X BOTT
FISHER CHANNEL	O-14	52	21.1	127 41.45	61 09 21 10	6	7	X	X BOTT
PRINCE RUPERT	P-10	54	13.25	130 17.6	61 09 16 10	20	22	X	X BOTT
PRINCE RUPERT	P-11	54	13.65	130 17.9	61 09 16 12	15	18	X	X BOTT
PRINCE RUPERT	P-12	54	13.95	130 18.1	61 09 16 12	20	22	X	X BOTT
PRINCE RUPERT	P-13	54	14.2	130 18.4	61 09 16 14	14	16	X	X BOTT
PRINCE RUPERT	P-14	54	14.59	130 18.4	61 09 16 15	20	24	X	X BOTT

PRINCE RUPERT	P-15	54 14.7	130 17.4	61 09 17 13	20	27	X	X BOTT
PRINCE RUPERT	P-16	54 14.9	130 16.8	61 09 17 14	20	25	X	X BOTT
PRINCE RUPERT	P-17	54 14.9	130 16.4	61 09 17 15	6	7	X	X BOTT
PRINCE RUPERT	P-18	54 15.4	130 16.0	61 09 17 16	14	15	X	X BOTT
BC INLETS	P12A	54 13.95	130 18.1	61 09 18 15	20	22	X	X BOTT
FISHER CHANNEL	O-12A	52 21.0	127 41.6	61 09 21 08	30	30	X	X BOTT
PRINCE RUPERT	P-12A	54 13.95	130 18.1	61 09 16 15	20	22	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 62-0015
YEAR:1962 VESSEL/AGENCY: POG,OSHAWA

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER MEAS (M)	PARAM C S T	INSTR INT NO HR
Q. C. SOUND	14	51 51.0	130 43.0	62 1 18 2	219	274	X	X BOTT
HECATE STRAIT	15	52 22.0	130 48.0	62 1 18 5	97	118	X	X BOTT
HECATE STRAIT	16	52 50.0	130 47.0	62 1 18 8	59	67	X	X BOTT
HECATE STRAIT	17	52 56.0	130 32.0	62 1 18 10	75	100	X	X BOTT
HECATE STRAIT	18	53 0.0	130 17.0	62 1 18 11	165	201	X	X BOTT
HECATE STRAIT	19	53 39.0	130 57.0	62 1 18 16	30	42	X	X BOTT
HECATE STRAIT	20	53 39.0	130 44.0	62 1 18 17	100	146	X	X BOTT
HECATE STRAIT	21	53 39.0	130 35.0	62 1 18 18	30	54	X	X BOTT
HECATE STRAIT	22	53 57.0	131 1.0	62 1 18 19	60	82	X	X BOTT
CHATHAM SOUND	23	54 11.0	130 54.0	62 1 18 21	40	54	X	X BOTT
DIXON ENTRANCE	24	54 11.0	131 2.0	62 1 18 21	77	98	X	X BOTT
DIXON ENTRANCE	25	54 11.0	131 11.0	62 1 18 22	19	25	X	X BOTT
CHATHAM SOUND	26	54 18.0	130 41.0	62 1 20 17	152	192	X	X BOTT
CHATRAM SOUND	27	54 19.0	130 53.0	62 1 20 18	80	91	X	X BOTT
DIXON ENTRANCE	28	54 22.0	131 5.0	62 1 20 19	80	91	X	X BOTT
DIXON ENTRANCE	29	54 22.0	131 10.0	62 1 20 19	60	71	X	X BOTT
DIXON ENTRANCE	30	54 20.0	131 18.0	62 1 20 20	91	128	X	X BOTT
DIXON ENTRANCE	31	54 24.0	131 22.0	62 1 20 21	127	237	X	X BOTT
DIXON ENTRANCE	32	54 44.0	131 11.0	62 1 20 23	250	293	X	X BOTT
DIXON ENTRANCE	33	54 43.0	131 40.0	62 1 21 01	250	366	X	X BOTT
DIXON ENTRANCE	34	54 39.0	132 0.0	62 1 21 3	166	182	X	X BOTT
DIXON ENTRANCE	35	54 31.0	131 59.0	62 1 21 4	246	274	X	X BOTT
DIXON ENTRANCE	36	54 21.0	131 58.0	62 1 21 6	222	256	X	X BOTT
DIXON ENTRANCE	37	54 11.0	131 58.0	62 1 21 7	97	109	X	X BOTT
DIXON ENTRANCE	38	54 11.0	132 30.0	62 1 21 9	80	107	X	X BOTT
DIXON ENTRANCE	39	54 18.0	133 03.0	62 1 21 11	400	439	X	X BOTT
DIXON ENTRANCE	40	54 26.0	132 56.0	62 1 21 13	75	110	X	X BOTT
DIXON ENTRANCE	41	54 33.0	132 49.0	62 1 21 14	325	377	X	X BOTT
DIXON ENTRANCE	42	54 39.0	132 43.0	62 1 21 16	60	73	X	X BOTT
DIXON ENTRANCE	43	54 42.0	133 07.0	62 1 21 17	158	164	X	X BOTT
DIXON ENTRANCE	44	54 42.0	133 29.0	62 1 21 19	175	219	X	X BOTT
DIXON ENTRANCE	45	54 30.0	133 26.0	62 1 21 20	265	293	X	X BOTT
DIXON ENTRANCE	46	54 17.0	133 24.0	62 1 21 22	372	439	X	X BOTT
Q. C. SOUND	52	51 33.0	130 15.0	62 1 23 9	480	768	X	X BOTT
Q. C. SOUND	56	50 53.0	129 13.0	62 1 23 22	60	82	X	X BOTT
Q. C. SOUND	57	51 0.0	129 16.0	62 1 23 23	128	164	X	X BOTT
Q. C. SOUND	58	51 04.0	129 35.0	62 1 24 00	322	494	X	X BOTT
Q. C. SOUND	59	51 12.0	129 20.0	62 1 24 2	214	457	X	X BOTT
Q. C. SOUND	60	51 22.0	129 22.0	62 1 24 4	135	146	X	X BOTT
Q. C. SOUND	61	51 33.0	129 26.0	62 1 24 5	39	54	X	X BOTT
Q. C. SOUND	62	51 51.0	129 31.0	62 1 24 7	193	237	X	X BOTT
Q. C. SOUND	63	51 50.0	129 8.0	62 1 24 9	71	111	X	X BOTT
Q. C. SOUND	64	51 33.0	128 49.0	62 1 24 11	30	36	X	X BOTT
Q. C. SOUND	65	51 22.0	128 43.0	62 1 24 12	160	182	X	X BOTT
Q. C. SOUND	66	51 7.0	128 33.0	62 1 24 14	160	179	X	X BOTT
Q. C. SOUND	67	50 54.0	128 27.0	62 1 24 16	40	51	X	X BOTT
Q. C. SOUND	118	50 54.0	128 27.0	62 2 2 4	38	49	X	X BOTT
Q. C. SOUND	119	51 7.0	128 33.0	62 2 2 5	135	142	X	X BOTT
Q. C. SOUND	120	51 22.0	128 43.0	62 2 2 7	178	219	X	X BOTT
Q. C. SOUND	121	51 33.0	128 49.0	62 2 2 8	40	47	X	X BOTT
Q. C. SOUND	122	51 38.0	128 42.0	62 2 2 9	20	32	X	X BOTT
Q. C. SOUND	123	51 53.0	128 39.0	62 2 2 10	60	74	X	X BOTT
Q. C. SOUND	124	51 50.0	129 8.0	62 2 2 12	80	109	X	X BOTT
Q. C. SOUND	125	51 51.0	129 31.0	62 2 2 13	184	212	X	X BOTT
Q. C. SOUND	126	51 33.0	129 26.0	62 2 2 15	40	51	X	X BOTT
Q. C. SOUND	127	51 22.0	129 22.0	62 2 2 17	120	128	X	X BOTT
Q. C. SOUND	128	51 12.0	129 20.0	62 2 2 18	271	288	X	X BOTT
Q. C. SOUND	129	51 4.0	129 35.0	62 2 2 20	282	438	X	X BOTT
Q. C. SOUND	130	51 0.0	129 16.0	62 2 2 22	115	157	X	X BOTT
Q. C. SOUND	134	51 34.0	130 18.0	62 2 3 8	431	431	X	X BOTT
Q. C. SOUND	137	51 52.0	130 42.0	62 2 3 17	175	175	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 62-0016
YEAR:1962 VESSEL/AGENCY: POG,OSHAWA

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM	INSTR	INT NO
				DEG	MIN	DEG	MIN					
								(M)	(M)	C	S	T

DIXON ENTRANCE	77	54	34.0	133	0.0	62	6	8	11	284	384	X	X BOTT
DIXON ENTRANCE	78	54	23.0	131	22.0	62	6	8	16	200	237	X	X BOTT
DIXON ENTRANCE	79	54	12.0	131	16.0	62	6	8	17	20	27	X	X BOTT
DIXON ENTRANCE	80	54	15.0	131	2.0	62	6	8	17	50	64	X	X BOTT
DIXON ENTRANCE	81	54	18.0	133	04.0	62	6	10	20	400	450	X	X BOTT
Q. C. SOUND	119	51	22.0	129	22.0	62	6	23	11	144	228	X	X BOTT
Q. C. SOUND	120	51	19.0	128	56.0	62	6	23	13	150	237	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 62-0017
YEAR:1962 VESSEL/AGENCY: WHITETHROAT

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM	INSTR	INT NO
				DEG	MIN	DEG	MIN					
								(M)	(M)	C	S	T

Q. C. SOUND	1	51	0.0	127	50.0	62	2	15	14	125	160	X	X BOTT
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BOTTLE/CTD DATA SET NUMBER: 62-0018
YEAR:1962 VESSEL/AGENCY: OSHAWA

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM	INSTR	INT NO
				DEG	MIN	DEG	MIN					
								(M)	(M)	C	S	T

DIXON ENTRANCE	4	54	12.0	132	0.0	62	9	19	19	77	91	X	X BOTT
DIXON ENTRANCE	5	54	20.0	132	0.0	62	9	19	20	190	237	X	X BOTT
DIXON ENTRANCE	6	54	26.0	132	0.0	62	9	19	21	264	301	X	X BOTT
DIXON ENTRANCE	7	54	31.0	132	0.0	62	9	19	22	238	283	X	X BOTT
DIXON ENTRANCE	8	54	39.0	132	0.0	62	9	19	23	138	164	X	X BOTT
DIXON ENTRANCE	10	54	39.0	132	0.0	62	9	20	1	140	160	X	X BOTT
DIXON ENTRANCE	11	54	31.0	132	0.0	62	9	20	3	250	279	X	X BOTT
DIXON ENTRANCE	12	54	25.0	132	0.0	62	9	20	4	275	307	X	X BOTT
DIXON ENTRANCE	13	54	20.0	132	0.0	62	9	20	5	199	237	X	X BOTT
DIXON ENTRANCE	14	54	12.0	132	0.0	62	9	20	6	80	109	X	X BOTT
HECATE STRAIT	15	53	57.0	131	1.0	62	9	20	11	60	76	X	X BOTT
HECATE STRAIT	16	53	57.0	131	20.0	62	9	20	12	20	29	X	X BOTT
HECATE STRAIT	17	53	39.0	131	34.0	62	9	20	14	10	18	X	X BOTT
HECATE STRAIT	18	53	39.0	131	20.0	62	9	20	15	20	23	X	X BOTT
HECATE STRAIT	19	53	39.0	130	57.0	62	9	20	17	30	42	X	X BOTT
HECATE STRAIT	20	53	39.0	130	44.0	62	9	20	18	120	149	X	X BOTT
HECATE STRAIT	21	53	39.0	130	35.0	62	9	20	18	15	23	X	X BOTT
CHATHAM SOUND	22	54	11.0	130	54.0	62	9	20	22	80	107	X	X BOTT
DIXON ENTRANCE	23	54	11.0	131	2.0	62	9	20	23	80	95	X	X BOTT
DIXON ENTRANCE	24	54	11.0	131	11.0	62	9	20	23	25	32	X	X BOTT
DIXON ENTRANCE	25	54	11.0	131	26.0	62	9	21	1	15	23	X	X BOTT
DIXON ENTRANCE	26	54	14.0	131	23.0	62	9	21	2	25	29	X	X BOTT
DIXON ENTRANCE	27	54	25.0	131	34.0	62	9	21	4	225	259	X	X BOTT
DIXON ENTRANCE	28	54	30.0	131	47.0	62	9	21	6	295	338	X	X BOTT
DIXON ENTRANCE	29	54	33.0	132	1.0	62	9	21	7	224	274	X	X BOTT
DIXON ENTRANCE	30	54	39.0	132	15.0	62	9	21	8	100	137	X	X BOTT
DIXON ENTRANCE	31	54	33.0	132	1.0	62	9	21	10	250	277	X	X BOTT
DIXON ENTRANCE	32	54	30.0	131	47.0	62	9	21	11	291	347	X	X BOTT
DIXON ENTRANCE	33	54	25.0	131	34.0	62	9	21	12	222	270	X	X BOTT
DIXON ENTRANCE	34	54	24.0	131	22.0	62	9	21	14	209	268	X	X BOTT
DIXON ENTRANCE	35	54	22.0	131	10.0	62	9	21	15	56	71	X	X BOTT
DIXON ENTRANCE	36	54	21.0	131	5.0	62	9	21	15	78	87	X	X BOTT
CHATHAM SOUND	37	54	19.0	130	54.0	62	9	21	16	60	113	X	X BOTT

CHATHAM SOUND	38	54	18.0	130	41.0	62	9	21	18	119	182	X	X BOTT
CHATHAM SOUND	39	54	17.0	130	34.0	62	9	21	18	60	95	X	X BOTT
CHATHAM SOUND	40	54	18.0	130	41.0	62	9	21	22	160	192	X	X BOTT
CHATHAM SOUND	41	54	19.0	130	54.0	62	9	21	23	80	91	X	X BOTT
DIXON ENTRANCE	42	54	21.0	131	5.0	62	9	22	1	79	87	X	X BOTT
DIXON ENTRANCE	43	54	22.0	131	10.0	62	9	22	2	60	67	X	X BOTT
DIXON ENTRANCE	44	54	24.0	131	22.0	62	9	22	2	199	230	X	X BOTT
DIXON ENTRANCE	45	54	20.0	131	23.0	62	9	22	3	160	173	X	X BOTT
DIXON ENTRANCE	46	54	18.0	131	15.0	62	9	22	3	60	65	X	X BOTT
DIXON ENTRANCE	47	54	28.0	131	18.0	62	9	22	5	120	148	X	X BOTT
DIXON ENTRANCE	48	54	41.0	130	53.0	62	9	22	7	249	296	X	X BOTT
DIXON ENTRANCE	50	54	42.0	131	12.0	62	9	22	9	244	292	X	X BOTT
DIXON ENTRANCE	51	54	42.0	131	24.0	62	9	22	11	137	164	X	X BOTT
DIXON ENTRANCE	63	54	33.0	132	2.0	62	9	25	5	225	248	X	X BOTT
DIXON ENTRANCE	64	54	33.0	132	1.0	62	9	25	7	225	265	X	X BOTT
DIXON ENTRANCE	65	54	33.0	132	2.0	62	9	25	9	116	263	X	X BOTT
DIXON ENTRANCE	66	54	33.0	132	2.0	62	9	25	11	75	263	X	X BOTT
DIXON ENTRANCE	67	54	33.0	132	2.0	62	9	25	14	225	263	X	X BOTT
DIXON ENTRANCE	68	54	33.0	132	2.0	62	9	25	15	225	263	X	X BOTT
DIXON ENTRANCE	69	54	33.0	132	2.0	62	9	25	18	222	263	X	X BOTT
DIXON ENTRANCE	70	54	33.0	132	2.0	62	9	25	20	225	263	X	X BOTT
DIXON ENTRANCE	71	54	33.0	132	2.0	62	9	25	22	217	263	X	X BOTT
DIXON ENTRANCE	72	54	33.0	132	2.0	62	9	26	1	224	265	X	X BOTT
DIXON ENTRANCE	73	54	33.0	132	2.0	62	9	26	2	225	263	X	X BOTT
DIXON ENTRANCE	74	54	33.0	132	2.0	62	9	26	4	225	263	X	X BOTT
DIXON ENTRANCE	75	54	33.0	132	2.0	62	9	26	6	222	263	X	X BOTT
DIXON ENTRANCE	76	54	33.0	132	2.0	62	9	26	8	225	263	X	X BOTT
DIXON ENTRANCE	77	54	33.0	132	2.0	62	9	26	10	204	263	X	X BOTT
DIXON ENTRANCE	78	54	33.0	132	2.0	62	9	26	12	199	263	X	X BOTT
DIXON ENTRANCE	79	54	33.0	132	2.0	62	9	26	14	225	263	X	X BOTT
DIXON ENTRANCE	80	54	33.0	132	2.0	62	9	26	16	225	263	X	X BOTT
DIXON ENTRANCE	81	54	33.0	132	2.0	62	9	26	18	206	263	X	X BOTT
DIXON ENTRANCE	82	54	33.0	132	2.0	62	9	26	20	225	263	X	X BOTT
DIXON ENTRANCE	83	54	14.0	132	25.0	62	9	29	22	138	157	X	X BOTT
DIXON ENTRANCE	84	54	20.0	132	25.0	62	9	29	23	197	219	X	X BOTT
DIXON ENTRANCE	85	54	26.0	132	25.0	62	9	30	1	248	283	X	X BOTT
DIXON ENTRANCE	86	54	31.0	132	25.0	62	9	30	2	280	351	X	X BOTT
DIXON ENTRANCE	87	54	36.0	132	25.0	62	9	30	3	155	173	X	X BOTT
DIXON ENTRANCE	88	54	42.0	132	25.0	62	9	30	4	80	106	X	X BOTT
DIXON ENTRANCE	89	54	37.0	132	25.0	62	9	30	5	150	192	X	X BOTT
DIXON ENTRANCE	90	54	31.0	132	25.0	62	9	30	6	233	343	X	X BOTT
DIXON ENTRANCE	.91	54	26.0	131	25.0	62	9	30	7	243	310	X	X BOTT
DIXON ENTRANCE	92	54	20.0	132	25.0	62	9	30	9	200	234	X	X BOTT
DIXON ENTRANCE	93	54	14.0	132	25.0	62	9	30	10	120	146	X	X BOTT
DIXON ENTRANCE	97	54	31.0	132	42.0	62	9	30	14	276	369	X	X BOTT
DIXON ENTRANCE	98	54	36.0	132	42.0	62	9	30	15	114	131	X	X BOTT
DIXON ENTRANCE	99	54	36.0	132	42.0	62	9	30	16	94	124	X	X BOTT
DIXON ENTRANCE	100	54	31.0	132	42.0	62	9	30	18	285	380	X	X BOTT
DIXON ENTRANCE	101	54	26.	132	42.	62	9	30	1	294	347	X	X BOTT
DIXON ENTRANCE	102	54	20.	132	42.	62	9	30	1	244	283	X	X BOTT
DIXON ENTRANCE	103	54	14.	132	42.	62	9	30	1	160	190	X	X BOTT
DIXON ENTRANCE	104	54	19.	132	58.	62	9	30	1	348	438	X	X BOTT
DIXON ENTRANCE	105	54	18.	133	17.	62	10	1	1	391	444	X	X BOTT
DIXON ENTRANCE	106	54	09.	133	35.	62	10	1	1	278	329	X	X BOTT
DIXON ENTRANCE	108	54	29.	133	22.	62	10	1	1	249	283	X	X BOTT
DIXON ENTRANCE	109	54	39.	133	22.	62	10	1	1	249	288	X	X BOTT
DIXON ENTRANCE	110	54	42.	133	03.	62	10	1	1	136	168	X	X BOTT
DIXON ENTRANCE	111	54	36.	133	03.	62	10	1	1	320	411	X	X BOTT
DIXON ENTRANCE	112	54	29.	133	03.	62	10	1	1	58	82	X	X BOTT
DIXON ENTRANCE	113	54	26.0	133	2.0	62	10	1	19	300	320	X	X BOTT
DIXON ENTRANCE	114	54	26.0	133	2.0	62	10	1	21	300	320	X	X BOTT
DIXON ENTRANCE	115	54	26.0	133	2.0	62	10	1	23	280	320	X	X BOTT
DIXON ENTRANCE	116	54	26.0	133	2.0	62	10	2	1	298	320	X	X BOTT
DIXON ENTRANCE	117	54	26.0	133	2.0	62	10	2	3	299	320	X	X BOTT
DIXON ENTRANCE	118	54	26.0	133	2.0	62	10	2	5	300	320	X	X BOTT
DIXON ENTRANCE	119	54	26.0	133	2.0	62	10	2	7	300	320	X	X BOTT
DIXON ENTRANCE	120	54	26.0	133	2.0	62	10	2	9	299	320	X	X BOTT
DIXON ENTRANCE	121	54	26.0	133	2.0	62	10	2	11	300	320	X	X BOTT
DIXON ENTRANCE	122	54	26.0	133	2.0	62	10	2	13	298	325	X	X BOTT
DIXON ENTRANCE	123	54	26.0	133	2.0	62	10	2	15	298	320	X	X BOTT
DIXON ENTRANCE	124	54	26.0	133	2.0	62	10	2	17	300	320	X	X BOTT
DIXON ENTRANCE	125	54	26.0	133	2.0	62	10	2	19	298	320	X	X BOTT
DIXON ENTRANCE	126	54	26.0	133	2.0	62	10	2	21	297	320	X	X BOTT
DIXON ENTRANCE	127	54	26.0	133	2.0	62	10	2	23	300	320	X	X BOTT
DIXON ENTRANCE	128	54	26.0	133	2.0	62	10	3	1	297	320	X	X BOTT
DIXON ENTRANCE	129	54	26.0	133	2.0	62	10	3	3	293	320	X	X BOTT
DIXON ENTRANCE	130	54	26.0	133	2.0	62	10	3	5	300	320	X	X BOTT
DIXON ENTRANCE	131	54	26.0	133	2.0	62	10	3	7	299	320	X	X BOTT
DIXON ENTRANCE	133	54	26.0	132	2.0	62	10	3	9	299	320	X	X BOTT
DIXON ENTRANCE	133	54	26.0	133	2.0	62	10	3	11	299	320	X	X BOTT
DIXON ENTRANCE	134	54	26.0	133	2.0	62	10	3	13	298	320	X	X BOTT
DIXON ENTRANCE	135	54	26.0	133	2.0	62	10	3	15	298	320	X	X BOTT
DIXON ENTRANCE	136	54	26.0	133	2.0	62	10	3	17	300	320	X	X BOTT

DIXON ENTRANCE	137	54 26.0	133 2.0	62 10	3 19	300	320	X	X BOTT
DIXON ENTRANCE	138	54 26.0	133 2.0	62 10	3 21	297	320	X	X BOTT
DIXON ENTRANCE	139	54 26.0	133 2.0	62 10	3 23	300		X	X BOTT
DIXON ENTRANCE	140	54 10.0	132 0.0	62 10	5 3	56	76	X	X BOTT
DIXON ENTRANCE	141	54 17.0	131 47.0	62 10	5 5	140	164	X	X BOTT
DIXON ENTRANCE	142	54 25.0	132 25.0	62 10	5 8	257	351	X	X BOTT
CHATHAM SOUND	143	54 22.0	130 39.0	62 10	5 22	120	159	X	X BOTT
CHATHAM SOUND	144	54 30.0	130 35.0	62 10	5 23	100	113	X	X BOTT
DIXON ENTRANCE	145	54 38.0	130 35.0	62 10	6	316	435	X	X BOTT
DIXON ENTRANCE	146	54 41.0	130 53.0	62 10	6 2	383	499	X	X BOTT
DIXON ENTRANCE	148	54 17.0	132 0.0	62 10	8 22	160	168	X	X BOTT
DIXON ENTRANCE	149	54 17.0	132 0.0	62 10	9	173	182	X	X BOTT
DIXON ENTRANCE	150	54 17.0	132 0.0	62 10	9 2	172	182	X	X BOTT
DIXON ENTRANCE	151	54 17.0	132 0.0	62 10	9 4	160	179	X	X BOTT
DIXON ENTRANCE	152	54 17.0	132 0.0	62 10	9 6	160	181	X	X BOTT
DIXON ENTRANCE	153	54 17.0	132 0.0	62 10	9 8	180	197	X	X BOTT
DIXON ENTRANCE	154	54 17.0	132 0.0	62 10	9 10	180	195	X	X BOTT
DIXON ENTRANCE	155	54 17.0	132 0.0	62 10	9 12	180	197	X	X BOTT
DIXON ENTRANCE	156	54 17.0	132 0.0	62 10	9 14	179	195	X	X BOTT
DIXON ENTRANCE	157	54 17.0	132 0.0	62 10	9 16	180	197	X	X BOTT
DIXON ENTRANCE	158	54 17.0	132 0.0	62 10	9 18	180	195	X	X BOTT
DIXON ENTRANCE	159	54 17.0	132 0.0	62 10	9 20	180	197	X	X BOTT
DIXON ENTRANCE	160	54 17.0	132 0.0	62 10	9 22	180	201	X	X BOTT
DIXON ENTRANCE	161	54 26.0	132 25.0	62 10	10 1	260	334	X	X BOTT
DIXON ENTRANCE	162	54 26.0	132 12.0	62 10	10 2	277	351	X	X BOTT
DIXON ENTRANCE	163	54 25.0	132 0.0	62 10	10 3	270	303	X	X BOTT
DIXON ENTRANCE	164	54 25.0	131 46.0	62 10	10 4	197	292	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 62-0019
YEAR: 1962 VESSEL/AGENCY: EHKOLI

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)		(M)				C S T

BELIZE INLET	AL1	51 10.2	127 5.6	62 5 19 16	134	137	X	X	BOTT
BELIZE INLET	AL2	51 10.0	126 56.3	62 5 19 18	120	128	X	X	BOTT
BELIZE INLET	BE1	51 7.0	127 32.5	62 5 21	50	72	X	X	BOTT
BELIZE INLET	BE2	51 7.8	127 31.3	62 5 18 19	164	183	X	X	BOTT
BELIZE INLET	BE3	51 7.9	127 25.0	62 5 18 20	190	210	X	X	BOTT
BELIZE INLET	BE4	51 7.9	127 17.5	62 5 18 22	270	284	X	X	BOTT
BELIZE INLET	BE5	51 7.5	127 10.5	62 5 18 23	320	329	X	X	BOTT
BELIZE INLET	BE6	51 6.6	127 2.5	62 5 19 1	322	327	X	X	BOTT
BELIZE INLET	BE7	51 6.4	126 56.3	62 5 19 2	296	338	X	X	BOTT
BELIZE INLET	ME1	51 12.3	127 24.0	62 5 19 22	85	101	X	X	BOTT
SEYMOUR INLET	SE1	51 5.4	127 28.5	62 5 20 21	70	73	X	X	BOTT
SEYMOUR INLET	SE2	51 3.6	127 24.0	62 5 20 22	85	95	X	X	BOTT
BELIZE INLET	BE2.5	51 8.1	127 28.5	62 5 20 1	160	183	X	X	BOTT
BELIZE INLET	BE4.5	51 7.7	127 14.0	62 5 19 20	363	402	X	X	BOTT
BELIZE INLET	BE6.5	51 6.5	126 59.5	62 5 19 14	180	311	X	X	BOTT
BELIZE INLET	ME1.5	51 11.9	127 21.0	62 5 20	150	165	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 62-0020
YEAR: 1962 VESSEL/AGENCY: EHKOLI

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)		(M)				C S T

DOUGLAS CHANNE	K-1	53 25.3	129 12.5	62 04 11 10	350	389	X	X	BOTT
DOUGLAS CHANNE	K-2	53 36.8	129 12.8	62 04 11 15	192	270	X	X	BOTT
DOUGLAS CHANNE	K-3	53 44.6	129 00.7	62 04 11 17	306	380	X	X	BOTT
DOUGLAS CHANNE	K-4	53 49.2	128 49.3	62 04 12 09	250	364	X	X	BOTT
DOUGLAS CHANNE	K-5	53 54.3	128 44.0	62 04 12 11	225	262	X	X	BOTT
DOUGLAS CHANNE	K-6	53 56.4	128 41.4	62 04 12 13	198	201	X	X	BOTT
DOUGLAS CHANNE	K-7	53 57.9	128 40.7	62 04 12 15	150	170	X	X	BOTT
DOUGLAS CHANNE	K-8	53 59.2	128 41.2	62 04 13 14	100	100	X	X	BOTT
DOUGLAS CHANNE	K-9	53 59.2	128 40.5	62 04 12 18	80	88	X	X	BOTT
FISHER CHANNEL	O-1	52 10.0	128 52.0	62 04 23 09	366	567	X	X	BOTT

FISHER CHANNEL	O-2	52	13.2	128	47.8	62	04	23	10	332	412	X	X BOTT
FISHER CHANNEL	O-3	52	15.2	128	46.4	62	04	23	13	356	420	X	X BOTT
FISHER CHANNEL	O-4	52	17.2	127	45.8	62	04	23	15	80	83	X	X BOTT
FISHER CHANNEL	O-5	52	18.42	127	45.4	62	04	23	16	70	79	X	X BOTT
FISHER CHANNEL	O-6	52	19.54	127	44.3	62	04	23	18	70	71	X	X BOTT
FISHER CHANNEL	O-7	52	20.8	127	43.9	62	04	24	08	50	61	X	X BOTT
FISHER CHANNEL	O-8	52	21.4	127	43.1	62	04	24	10	50	51	X	X BOTT
FISHER CHANNEL	O-9	52	21.1	127	43.0	62	04	24	12	50	58	X	X BOTT
PRINCE RUPERT	P-1	54	20.27	130	16.9	62	04	14	13	50	33	X	X BOTT
PRINCE RUPERT	P-2	54	18.44	130	21.5	62	04	14	14	50	79	X	X BOTT
PRINCE RUPERT	P-3	54	17.54	130	21.9	62	04	14	16	40	44	X	X BOTT
PRINCE RUPERT	P-4	54	14.95	130	20.8	62	04	14	17	40	44	X	X BOTT
PRINCE RUPERT	P-5	54	13.3	130	24.0	62	04	15	09	40	46	X	X BOTT
PRINCE RUPERT	P-6	54	12.09	130	29.0	62	04	18	09	100	110	X	X BOTT
PRINCE RUPERT	P-7	54	12.5	130	20.04	62	04	18	11	20	25	X	X BOTT
PRINCE RUPERT	P-8	54	11.57	130	18.6	62	04	15	11	20	23	X	X BOTT
PRINCE RUPERT	P-9	54	12.3	130	17.75	62	04	15	13	20	20	X	X BOTT
DOUGLAS CHANNE	K-10	53	59.2	128	39.6	62	04	13	08	80	91	X	X BOTT
DOUGLAS CHANNE	K-11	54	01.5	128	37.1	62	04	13	09	30	33	X	X BOTT
DOUGLAS CHANNE	K-9A	53	59.2	128	45.4	62	04	13	13	100	100	X	X BOTT
FISHER CHANNEL	O-10	52	21.1	127	42.2	62	04	24	13	40	49	X	X BOTT
FISHER CHANNEL	O-11	52	21.2	127	41.8	62	04	24	14	20	30	X	X BOTT
FISHER CHANNEL	O-12	52	12.21	127	41.8	62	04	24	16	25	28	X	X BOTT
FISHER CHANNEL	O-13	52	20.9	127	41.8	62	04	24	16	25	25	X	X BOTT
PRINCE RUPERT	P-10	54	13.14	130	17.6	62	04	15	14	20	20	X	X BOTT
PRINCE RUPERT	P-11	54	13.65	130	17.9	62	04	15	15	20	18	X	X BOTT
PRINCE RUPERT	P-12	54	13.95	130	18.1	62	04	15	16	18	18	X	X BOTT
PRINCE RUPERT	P-13	54	14.2	130	18.4	62	04	16	08	15	17	X	X BOTT
PRINCE RUPERT	P-14	54	14.55	130	18.4	62	04	16	09	20	21	X	X BOTT
PRINCE RUPERT	P-15	54	14.65	130	17.35	62	04	19	10	10	10	X	X BOTT
PRINCE RUPERT	P-16	54	14.85	130	16.9	62	04	19	12	40	47	X	X BOTT
PRINCE RUPERT	P-17	54	14.9	130	16.4	62	04	19	13	10	11	X	X BOTT
PRINCE RUPERT	P-18	54	15.3	130	15.9	62	04	19	15	20	22	X	X BOTT
PRINCE RUPERT	P-19	54	15.3	130	15.2	62	04	16	13	15	17	X	X BOTT
PRINCE RUPERT	P-20	54	15.95	130	15.2	62	04	16	14	50	65	X	X BOTT
PRINCE RUPERT	P-21	54	15.8	130	11.5	62	04	16	15	30	36	X	X BOTT
PRINCE RUPERT	P-22	54	15.3	130	12.05	62	04	16	16	20	22	X	X BOTT
PRINCE RUPERT	P-23	54	15.95	130	11.5	62	04	16	17	25	27	X	X BOTT
PRINCE RUPERT	P-24	54	16.6	130	09.4	62	04	16	18	15	15	X	X BOTT
PRINCE RUPERT	P-25	54	16.7	130	14.7	62	04	17	08	50	51	X	X BOTT
PRINCE RUPERT	P-26	54	17.5	130	14.8	62	04	17	09	40	45	X	X BOTT
PRINCE RUPERT	P-27	54	19.0	130	15.4	62	04	17	13	30	40	X	X BOTT
PRINCE RUPERT	P-28	54	11.7	130	15.9	62	04	18	12	25	28	X	X BOTT
PRINCE RUPERT	P-29	54	10.7	130	11.25	62	04	18	13	10	10	X	X BOTT
PRINCE RUPERT	P-30	54	08.0	130	06.8	62	04	18	14	20	21	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 62-0025
YEAR:1962 VESSEL/AGENCY: POG, OSHAWA

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									
DIXON ENTRANCE	19	54	17.0	133	24.0	62	3	15	11	340	439	X	X BOTT
DIXON ENTRANCE	20	54	30.0	133	26.0	62	3	15	13	253	315	X	X BOTT
DIXON ENTRANCE	21	54	42.0	133	29.0	62	3	15	14	200	238	X	X BOTT
DIXON ENTRANCE	22	54	42.0	133	07.0	62	3	15	16	160	183	X	X BOTT
DIXON ENTRANCE	23	54	39.0	132	43.0	62	3	15	18	79	91	X	X BOTT
DIXON ENTRANCE	24	54	33.0	132	49.0	62	3	15	19	300	371	X	X BOTT
DIXON ENTRANCE	25	54	26.0	132	56.0	62	3	15	21	250	347	X	X BOTT
DIXON ENTRANCE	26	54	18.0	133	03.0	62	3	15	22	341	448	X	X BOTT
DIXON ENTRANCE	27	54	12.0	132	30.0	62	3	16	1	79	98	X	X BOTT
DIXON ENTRANCE	28	54	12.0	131	58.0	62	3	16	3	78	109	X	X BOTT
DIXON ENTRANCE	29	54	21.0	131	58.0	62	3	16	4	185	237	X	X BOTT
DIXON ENTRANCE	30	54	31.0	131	59.0	62	3	16	5	247	292	X	X BOTT
DIXON ENTRANCE	31	54	38.0	132	0.0	62	3	16	6	131	173	X	X BOTT
DIXON ENTRANCE	32	54	43.0	131	40.0	62	3	16	08	300	366	X	X BOTT
DIXON ENTRANCE	33	54	44.0	131	11.0	62	3	16	11	225	274	X	X BOTT
DIXON ENTRANCE	34	54	45.0	130	53.0	62	3	16	12	140	154	X	X BOTT
DIXON ENTRANCE	35	54	40.0	130	53.0	62	3	16	13	160	365	X	X BOTT
DIXON ENTRANCE	36	54	24.0	131	22.0	62	3	16	16	220	254	X	X BOTT
DIXON ENTRANCE	37	54	20.0	131	18.0	62	3	16	17	138	173	X	X BOTT
DIXON ENTRANCE	38	54	22.0	131	10.0	62	3	16	18	60	74	X	X BOTT
DIXON ENTRANCE	39	54	22.0	131	6.0	62	3	16	18	79	100	X	X BOTT
CHATHAM SOUND	40	54	19.0	130	54.0	62	3	16	19	80	107	X	X BOTT
CHATHAM SOUND	41	54	18.0	130	41.0	62	3	16	20	158	201	X	X BOTT

CHATHAM SOUND	42	54	11.0	130	54.0	62	3	17	19	100	118	X	X BOTT
DIXON ENTRANCE	43	54	11.0	131	2.0	62	3	17	20	80	100	X	X BOTT
DIXON ENTRANCE	44	54	11.0	131	11.0	62	3	17	21	20	31	X	X BOTT
HECATE STRAIT	45	53	57.0	131	1.0	62	3	17	22	59	85	X	X BOTT
HECATE STRAIT	46	53	39.0	130	35.0	62	3	18	1	29	29	X	X BOTT
HECATE STRAIT	47	53	39.0	130	44.0	62	3	18	1	83	142	X	X BOTT
HECATE STRAIT	48	53	39.0	130	57.0	62	3	18	3	39	54	X	X BOTT
HECATE STRAIT	49	53	18.0	130	45.0	62	3	18	5	116	142	X	X BOTT
HECATE STRAIT	50	53	0.0	130	19.0	62	3	18	8	173	201	X	X BOTT
HECATE STRAIT	51	53	5.0	130	3.0	62	3	18	9	58	82	X	X BOTT
HECATE STRAIT	52	52	56.0	130	32.0	62	3	18	11	75	106	X	X BOTT
HECATE STRAIT	53	52	49.0	130	51.0	62	3	18	12	40	47	X	X BOTT
HECATE STRAIT	54	52	22.0	130	49.0	62	3	18	14	115	126	X	X BOTT
Q. C. SOUND	55	51	52.0	130	42.0	62	3	18	17	290	341	X	X BOTT
Q. C. SOUND	57	51	34.0	130	18.0	62	3	18	22	773	877	X	X BOTT
Q. C. SOUND	61	51	1.0	129	16.0	62	3	19	8	140	164	X	X BOTT
Q. C. SOUND	62	51	12.0	129	20.0	62	3	19	9	250	283	X	X BOTT
Q. C. SOUND	63	51	22.0	129	22.0	62	3	19	10	130	164	X	X BOTT
Q. C. SOUND	64	51	33.0	129	26.0	62	3	19	12	60	69	X	X BOTT
Q. C. SOUND	65	51	51.0	129	31.0	62	3	19	13	180	219	X	X BOTT
Q. C. SOUND	66	51	50.0	129	8.0	62	3	19	15	79	106	X	X BOTT
Q. C. SOUND	67	51	50.0	128	49.0	62	3	19	16	40	64	X	X BOTT
Q. C. SOUND	68	51	50.0	128	29.0	62	3	19	17	80	109	X	X BOTT
Q. C. SOUND	69	51	45.0	128	34.0	62	3	19	18	120	146	X	X BOTT
Q. C. SOUND	70	51	38.0	128	42.0	62	3	20	18	20	36	X	X BOTT
Q. C. SOUND	71	51	33.0	128	49.0	62	3	20	19	30	40	X	X BOTT
Q. C. SOUND	72	51	22.0	128	43.0	62	3	20	20	175	213	X	X BOTT
Q. C. SOUND	73	51	7.0	128	33.0	62	3	20	21	109	142	X	X BOTT
Q. C. SOUND	74	50	54.0	128	27.0	62	3	20	23	30	47	X	X BOTT
DIXON ENTRANCE	116	54	17.0	133	24.0	62	03	30	01	400	448	X	X BOTT
DIXON ENTRANCE	117	54	30.0	133	26.0	62	03	30	03	275	296	X	X BOTT
DIXON ENTRANCE	118	54	42.0	133	29.0	62	03	30	04	200	234	X	X BOTT
DIXON ENTRANCE	119	54	42.0	133	07.0	62	03	30	06	140	174	X	X BOTT
DIXON ENTRANCE	120	54	39.0	132	43.0	62	3	30	7	79	96	X	X BOTT
DIXON ENTRANCE	121	54	33.0	132	49.0	62	3	30	8	350	374	X	X BOTT
DIXON ENTRANCE	122	54	26.0	132	56.0	62	03	30	10	270	329	X	X BOTT
DIXON ENTRANCE	123	54	18.0	133	03.0	62	03	30	11	400	448	X	X BOTT
DIXON ENTRANCE	124	54	12.0	132	30.0	62	3	30	13	80	98	X	X BOTT
DIXON ENTRANCE	125	54	12.0	131	58.0	62	3	30	15	78	93	X	X BOTT
DIXON ENTRANCE	126	54	21.0	131	58.0	62	3	30	16	219	250	X	X BOTT
DIXON ENTRANCE	127	54	31.0	131	59.0	62	3	30	18	275	298	X	X BOTT
DIXON ENTRANCE	128	54	38.0	132	0.0	62	3	30	19	140	164	X	X BOTT
DIXON ENTRANCE	129	54	43.0	131	40.0	62	03	30	20	400	411	X	X BOTT
DIXON ENTRANCE	130	54	44.0	131	11.0	62	03	30	22	219	265	X	X BOTT
CHATHAM SOUND	131	54	18.0	130	41.0	62	3	31	22	159	182	X	X BOTT
DIXON ENTRANCE	132	54	22.0	131	5.0	62	3	31	23	80	100	X	X BOTT
DIXON ENTRANCE	133	54	22.0	131	10.0	62	4	1		60	64	X	X BOTT
DIXON ENTRANCE	134	54	24.0	131	22.0	62	4	1	1	220	256	X	X BOTT
DIXON ENTRANCE	135	54	20.0	131	18.0	62	4	1	2	116	128	X	X BOTT
DIXON ENTRANCE	136	54	11.0	131	11.0	62	4	1	3	20	32	X	X BOTT
HECATE STRAIT	137	53	57.0	131	1.0	62	4	1	4	59	82	X	X BOTT
HECATE STRAIT	138	53	39.0	130	35.0	62	4	1	7	30	36	X	X BOTT
HECATE STRAIT	139	53	39.0	130	44.0	62	4	1	7	119	131	X	X BOTT
HECATE STRAIT	140	53	39.0	130	57.0	62	4	1	8	39	49	X	X BOTT
HECATE STRAIT	141	53	18.0	130	45.0	62	4	1	10	132	155	X	X BOTT
HECATE STRAIT	142	53	0.0	130	18.0	62	4	1	13	176	201	X	X BOTT
HECATE STRAIT	143	52	56.0	130	32.0	62	4	1	14	96	109	X	X BOTT
HECATE STRAIT	144	52	50.0	130	47.0	62	4	1	15	60	71	X	X BOTT
HECATE STRAIT	145	52	22.0	130	49.0	62	4	1	18	117	128	X	X BOTT
Q. C. SOUND	146	51	51.0	130	42.0	62	4	2	4	340	384	X	X BOTT
Q. C. SOUND	147	51	34.0	130	18.0	62	4	2	6	798	859	X	X BOTT
Q. C. SOUND	149	50	53.0	129	13.0	62	4	2	13	60	82	X	X BOTT
Q. C. SOUND	150	51	0.0	129	16.0	62	4	2	14	139	155	X	X BOTT
Q. C. SOUND	151	51	12.0	129	20.0	62	4	2	15	275	292	X	X BOTT
Q. C. SOUND	152	51	22.0	129	22.0	62	4	2	17	117	126	X	X BOTT
Q. C. SOUND	153	51	33.0	129	26.0	62	4	2	18	40	60	X	X BOTT
Q. C. SOUND	154	51	51.0	129	31.0	62	4	2	20	195	237	X	X BOTT
Q. C. SOUND	155	51	50.0	129	8.0	62	4	2	21	100	109	X	X BOTT
Q. C. SOUND	156	51	50.0	128	49.0	62	4	2	22	60	71	X	X BOTT
Q. C. SOUND	157	51	50.0	128	29.0	62	4	2	23	100	109	X	X BOTT
Q. C. SOUND	158	51	45.0	128	34.0	62	4	3		119	146	X	X BOTT
Q. C. SOUND	159	51	38.0	128	42.0	62	4	3	1	20	32	X	X BOTT
Q. C. SOUND	160	51	33.0	128	49.0	62	4	3	1	30	38	X	X BOTT
Q. C. SOUND	161	51	22.0	128	43.0	62	4	3	3	195	210	X	X BOTT
Q. C. SOUND	162	51	7.0	128	33.0	62	4	3	4	110	144	X	X BOTT
Q. C. SOUND	163	50	54.0	128	27.0	62	4	3	6	40	54	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 62-00026
YEAR:1962 VESSEL/AGENCY: UBC

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			
Q.C. STRAIT	5	50 53.5	127 57.2	62 7 2 20	50	84		X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 63-0011A
YEAR:1963 VESSEL/AGENCY: WHITETHROAT, UBC

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			
BURKE CH.	31	51 54.2	127 56.7	63 5 16 12	300	358		X X	BOTT	
BURKE CH.	32	52 3.7	127 39.2	63 5 16 14	300	338		X X	BOTT	
BURKE CH.	33	52 8.0	127 35.1	63 5 16 15	400	432		X X	BOTT	
BURKE CH.	34	52 11.9	127 29.0	63 5 16 17	549	584		X X	BOTT	
BURKE CH.	35	52 14.3	127 23.0	63 5 16 18	549	584		X X	BOTT	
BURKE CH.	36	52 19.8	127 11.0	63 5 16 20	500	558		X X	BOTT	
BURKE CH.	37	52 19.3	127 3.0	63 5 16 21	450	508		X X	BOTT	
BURKE CH.	38	52 22.8	126 50.0	63 5 17 14	250	302		X X	BOTT	
BURKE CH.	39	52 20.8	126 57.1	63 5 17 15	350	439		X X	BOTT	
BURKE CH.	40	52 24.2	127 13.1	63 5 17 17	400	476		X X	BOTT	
BURKE CH.	41	52 29.5	127 14.9	63 5 17 19	449	496		X X	BOTT	
BURKE CH.	42	52 34.7	127 9.3	63 5 17 21	396	450		X X	BOTT	
BURKE CH.	43	52 44.0	126 57.2	63 5 17 23	400	454		X X	BOTT	
BURKE CH.	44	52 52.1	127 3.8	63 5 18 1	100	121		X X	BOTT	
BURKE CH.	45	52 50.0	126 59.6	63 5 18 12	150	176		X X	BOTT	
BURKE CH.	46	52 38.3	127 0.5	63 5 18 14	450	483		X X	BOTT	
BURKE CH.	47	52 24.6	127 20.8	63 5 18 17	450	512		X X	BOTT	
BURKE CH.	48	52 27.1	127 28.0	63 5 18 18	250	315		X X	BOTT	
BURKE CH.	49	52 21.6	127 27.5	63 5 18 20	398	465		X X	BOTT	
BURKE CH.	50	52 16.8	127 39.4	63 5 18 22	296	355		X X	BOTT	
BURKE CH.	51	52 15.1	127 46.6	63 5 18 22	393	439		X X	BOTT	
BURKE CH.	52	52 20.0	127 55.9	63 5 19 15	190	225		X X	BOTT	
BURKE CH.	53	52 27.8	127 53.9	63 5 19 17	150	170		X X	BOTT	
BURKE CH.	54	52 28.0	127 44.8	63 5 19 18	95	110		X X	BOTT	
BURKE CH.	55	52 29.7	127 51.3	63 5 19 20	145	161		X X	BOTT	
BURKE CH.	56	52 22.5	127 52.5	63 5 19 22	150	174		X X	BOTT	
BURKE CH.	57	52 9.9	127 51.8	63 5 20	499	366		X X	BOTT	
BURKE CH.	58	52 2.8	127 55.0	63 5 20 1	300	366		X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 63-0011B
YEAR:1963 VESSEL/AGENCY: WHITETHROAT

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			
DEAN CHANNEL	12	52 19.6	127 29.4	63 6 7 17	250	402		X X	BOTT	
DEAN CHANNEL	13	52 29.4	127 15.0	63 6 7 20	400	497		X X	BOTT	
BURKE CHANNEL	14	52 14.0	127 23.0	63 6 7 23	500	584		X X	BOTT	
FITZ HUGH SD.	15	51 47.7	127 56.2	63 6 8 18	150	366		X X	BOTT	
MOSES INLET	16	51 44.0	127 27.0	63 6 9 1	175	198		X X	BOTT	
RIVERS INLET	17	51 30.1	127 34.5	63 6 9 4	300	338		X X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 63-0011C
YEAR:1963 VESSEL/AGENCY: WHITETHROAT,UBC

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST WATER PARAM TO DEPTH MEAS (M) (M)	INSTR INT NO HR C S T
PORLTND INLET	1	54 41.5	130 27.3	63 6 27 15	497 567	X X BOTT
KHUTZEYMATEEN	3	54 45.2	130 12.2	63 6 27 18	52 59	X X BOTT
KHUTZEYMATEEN	4	54 42.6	130 9.0	63 6 27 19	100 119	X X BOTT
KHUTZEYMATEEN	5	54 38.8	130 3.2	63 6 27 21	150 165	X X BOTT
KHUTZEYMATEEN	6	54 36.3	129 57.8	63 6 27 22	50 77	X X BOTT
HECATE STRAIT	7	53 57.0	130 26.5	63 6 28 14	152 183	X X BOTT
DOUGLAS CH.	8	53 33.4	128 59.2	63 6 29 3	200 256	X X BOTT
DOUGLAS CH.	9	53 30.4	128 42.5	63 6 29 11	150 201	X X BOTT
DOUGLAS CH.	10	53 26.2	128 34.1	63 6 29 12	195 198	X X BOTT
DOUGLAS CH.	11	53 29.0	128 20.5	63 6 29 14	400 476	X X BOTT
DOUGLAS CH.	12	53 19.8	127 56.6	63 6 29 16	255 256	X X BOTT
DOUGLAS CH.	13	53 27.6	128 14.4	63 6 29 19	400 439	X X BOTT
DOUGLAS CH.	14	53 54.5	128 43.8	63 6 30 12	200 247	X X BOTT
DOUGLAS CH.	15	53 47.5	128 53.0	63 6 30 13	350 382	X X BOTT
DOUGLAS CH.	16	53 40.4	129 7.5	63 6 30 15	350 399	X X BOTT
DOUGLAS CH.	17	53 31.5	129 12.2	63 6 30 16	295 448	X X BOTT
DOUGLAS CH.	18	53 22.3	129 11.8	63 6 30 18	396 448	X X BOTT

BOTTLE/CTD DATA SET NUMBER: 63-0018
YEAR:1963 VESSEL/AGENCY: VELELLA,POG

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST WATER PARAM TO DEPTH MEAS (M) (M)	INSTR INT NO HR C S T
BURKE CHANNEL	1	51 52.7	127 40.1	63 06 2 19	100	X X BOTT
BURKE CHANNEL	1	51 55.0	127 53.8	63 05 19 19	150	X X BOTT
BURKE CHANNEL	1	51 55.2	127 53.8	63 05 16 22	150	X X BOTT
BURKE CHANNEL	1	51 56.7	127 57.4	63 05 29 16	100	X X BOTT
BURKE CHANNEL	1	52 22.9	126 49.1	63 04 18 18	100	X X BOTT
BURKE CHANNEL	2	51 47.4	128 01.8	63 05 15 15	100	X X BOTT
BURKE CHANNEL	2	51 47.4	128 01.8	63 05 19 1	100	X X BOTT
BURKE CHANNEL	2	51 47.4	128 01.8	63 05 24 17	100	X X BOTT
BURKE CHANNEL	2	51 47.4	128 01.8	63 05 28 15	100	X X BOTT
BURKE CHANNEL	2	51 52.5	127 43.8	63 06 2 23	100	X X BOTT
BURKE CHANNEL	2	51 53.6	127 55.3	63 05 16 22	150	X X BOTT
BURKE CHANNEL	2	51 54.8	127 53.2	63 05 19 19	150	X X BOTT
BURKE CHANNEL	2	51 56.6	127 55.8	63 05 29 17	100	X X BOTT
BURKE CHANNEL	3	51 47.7	128 02.4	63 05 15 16	100	X X BOTT
BURKE CHANNEL	3	51 47.7	128 02.4	63 05 19 1	100	X X BOTT
BURKE CHANNEL	3	51 47.7	128 02.4	63 05 24 18	100	X X BOTT
BURKE CHANNEL	3	51 47.7	128 02.4	63 05 28 14	100	X X BOTT
BURKE CHANNEL	3	51 54.3	127 52.5	63 05 16 23	150	X X BOTT
BURKE CHANNEL	3	51 54.3	127 52.5	63 05 19 20	150	X X BOTT
BURKE CHANNEL	3	51 54.8	127 53.7	63 06 3 1	100	X X BOTT
BURKE CHANNEL	3	51 56.5	127 54.6	63 05 29 17	100	X X BOTT
BURKE CHANNEL	4	51 48.1	128 02.9	63 05 15 16	100	X X BOTT
BURKE CHANNEL	4	51 48.1	128 02.9	63 05 19 2	100	X X BOTT
BURKE CHANNEL	4	51 48.1	128 02.9	63 05 24 19	100	X X BOTT
BURKE CHANNEL	4	51 48.1	128 02.9	63 05 28 13	100	X X BOTT
BURKE CHANNEL	4	51 54.8	127 53.2	63 05 29 19	100	X X BOTT
BURKE CHANNEL	5	52 22.0	126 53.2	63 04 22 00	100	X X BOTT
BURKE CHANNEL	8	52 22.1	126 52.8	63 04 25 18	100	X X BOTT
BURKE CHANNEL	15	52 18.6	126 58.0	63 05 2 14	25	X X BOTT
BURKE CHANNEL	16	52 18.3	126 58.7	63 05 2 15	25	X X BOTT
BURKE CHANNEL	17	52 17.8	126 59.4	63 05 2 16	25	X X BOTT
BURKE CHANNEL	19	52 18.0	126 57.5	63 05 4 15	25	X X BOTT
BURKE CHANNEL	20	52 17.8	126 58.4	63 05 4 16	25	X X BOTT
BURKE CHANNEL	21	52 17.4	126 59.0	63 05 4 16	25	X X BOTT
BURKE CHANNEL	22	52 18.6	127 02.8	63 05 4 17	25	X X BOTT
BURKE CHANNEL	23	52 19.3	127 03.2	63 05 4 18	25	X X BOTT
BURKE CHANNEL	24	52 19.9	127 03.1	63 05 4 18	25	X X BOTT
BURKE CHANNEL	26	52 19.7	127 08.5	63 05 7 17	60	X X BOTT
BURKE CHANNEL	27	52 23.1	127 13.7	63 05 7 21	60	X X BOTT

BURKE CHANNEL	29	52	23.2	127	13.1	63	05	10	19	25	X	X	BOTT
BURKE CHANNEL	30	52	23.4	127	13.8	63	05	10	20	25	X	X	BOTT
BURKE CHANNEL	31	52	23.8	127	14.4	63	05	10	21	25	X	X	BOTT
BURKE CHANNEL	40	51	54.8	127	57.4	63	05	16	19	125	X	X	BOTT
BURKE CHANNEL	41	51	55.4	127	53.5	63	05	16	21	125	X	X	BOTT
BURKE CHANNEL	42	51	55.0	127	52.6	63	05	16	21	125	X	X	BOTT
BURKE CHANNEL	43	51	54.3	127	52.3	63	05	16	22	125	X	X	BOTT
BURKE CHANNEL	55	51	47.2	127	53.5	63	05	21	20	160	X	X	BOTT
BURKE CHANNEL	56	51	47.3	127	56.3	63	05	21	21	160	X	X	BOTT
BURKE CHANNEL	57	51	47.2	127	58.9	63	05	21	22	160	X	X	BOTT
BURKE CHANNEL	58	51	47.3	127	59.1	63	05	21	15	160	X	X	BOTT
BURKE CHANNEL	59	51	47.2	127	55.9	63	05	22	16	160	X	X	BOTT
BURKE CHANNEL	60	51	47.3	127	53.7	63	05	22	18	160	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 64-0010
YEAR: 1964 VESSEL/AGENCY: ACONA

AREA	STN	LAT	LON	DATE	CAST	WATER	PARAM	INSTR	INT	NO
		DEG MIN	DEG MIN	YR MO DY HR	TO	DEPTH	MEAS		HR	

Q. C. SOUND	11	51	57.0	129	36.0	64	9	27	7	145	183	X	X	BOTT
WHALE CHANNEL	12	53	16.7	129	7.3	64	9	28		440	503	X	X	BOTT
CHATHAM SOUND	13	54	31.0	130	33.0	64	9	28	14	105		X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 64-0011
YEAR: 1964 VESSEL/AGENCY: WHITETHROAT,UBC

AREA	STN	LAT	LON	DATE	CAST	WATER	PARAM	INSTR	INT	NO
		DEG MIN	DEG MIN	YR MO DY HR	TO	DEPTH	MEAS		HR	

DIXON ENTRANCE		55	06.4	130	52.6	64	06	05		300	320	X	X	BOTT
DIXON ENTRANCE		55	06.5	130	43.5	64	06	05		300	366	X	X	BOTT
DIXON ENTRANCE		55	14.1	130	34.0	64	06	05		150	220	X	X	BOTT
DIXON ENTRANCE		55	18.5	130	30.5	64	06	05		135	140	X	X	BOTT
DIXON ENTRANCE		55	26.9	130	57.0	64	06	05		296	348	X	X	BOTT
DIXON ENTRANCE		55	38.8	130	55.5	64	06	05		490	530	X	X	BOTT
DIXON ENTRANCE BEH16		54	49.4	131	07.5	64	06	05	05	200	229	X	X	BOTT
DIXON ENTRANCE BEH18		54	43.0	131	12.5	64	06	15	06	250	256	X	X	BOTT
DIXON ENTRANCE CLA22		54	43.3	131	48.3	64	06	15	03	300	366	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 64-0012
YEAR: 1964 VESSEL/AGENCY: EHKLKI, POG

AREA	STN	LAT	LON	DATE	CAST	WATER	PARAM	INSTR	INT	NO
		DEG MIN	DEG MIN	YR MO DY HR	TO	DEPTH	MEAS		HR	

DOUGLAS CHANNEL	K-1	53	25.4	129	12.5	64	10	19	15	300	402	X	X	BOTT
DOUGLAS CHANNEL	K-2	53	35.8	129	12.6	64	10	19	13	250	293	X	X	BOTT
DOUGLAS CHANNEL	K-3	53	44.6	129	00.6	64	10	19	10	194	357	X	X	BOTT
DOUGLAS CHANNEL	K-4	53	50.6	128	47.4	64	10	19	08	216	357	X	X	BOTT
DOUGLAS CHANNEL	K-5	53	54.4	128	44.0	64	10	16	17	200	229	X	X	BOTT
DOUGLAS CHANNEL	K-6	53	56.4	128	41.4	64	10	16	15	200	206	X	X	BOTT
DOUGLAS CHANNEL	K-7	53	58.0	128	40.6	64	10	16	13	150	176	X	X	BOTT
DOUGLAS CHANNEL	K-8	53	59.3	128	41.3	64	10	16	10	80	91	X	X	BOTT
DOUGLAS CHANNEL	K-9	53	59.3	128	40.5	64	10	16	09	70	84	X	X	BOTT
FISHER CHANNEL	O-1	52	10.0	127	52.0	64	10	27	08	358	581	X	X	BOTT
FISHER CHANNEL	O-2	52	13.2	127	48.8	64	10	27	10	315	439	X	X	BOTT
FISHER CHANNEL	O-3	52	15.4	127	46.3	64	10	27	14	260	439	X	X	BOTT
FISHER CHANNEL	O-4	52	17.3	127	45.8	64	10	27	13	70	73	X	X	BOTT

FISHER CHANNEL	0-5	52 18.7	127 45.3	64 10 27 14	50	69	X X BOTT
FISHER CHANNEL	0-6	52 19.8	127 44.4	64 10 27 16	40	66	X X BOTT
FISHER CHANNEL	0-7	52 20.8	127 44.0	64 10 28 08	50	55	X X BOTT
FISHER CHANNEL	0-8	52 21.4	127 43.1	64 10 28 09	40	61	X X BOTT
FISHER CHANNEL	0-9	52 21.1	127 42.9	64 10 28 10	50	58	X X BOTT
PRINCE RUPERT	P-1	54 20.5	130 17.0	64 10 20 10	40	49	X X BOTT
PRINCE RUPERT	P-2	54 18.6	130 21.5	64 10 20 12	50	70	X X BOTT
PRINCE RUPERT	P-3	54 16.9	130 21.8	64 10 20 13	40	44	X X BOTT
PRINCE RUPERT	P-4	54 14.0	130 20.8	64 10 20 14	40	49	X X BOTT
PRINCE RUPERT	P-5	54 13.4	130 24.0	64 10 21 11	40	45	X X BOTT
PRINCE RUPERT	P-6	54 12.8	130 28.9	64 10 21 12	70	70	X X BOTT
PRINCE RUPERT	P-7	54 12.4	130 20.3	64 10 21 14	40	44	X X BOTT
PRINCE RUPERT	P-8	54 12.0	130 18.45	64 10 22 07	15	18	X X BOTT
PRINCE RUPERT	P-9	54 12.6	130 17.7	64 10 21 16	20	27	X X BOTT
DOUGLAS CHANNEL	K-10	53 59.2	128 39.5	64 10 16 07	70	84	X X BOTT
DOUGLAS CHANNEL	K-11	54 01.45	128 37.2	64 10 17 14	30	34	X X BOTT
FISHER CHANNEL	O-10	52 21.1	127 42.3	64 10 28 12	40	44	X X BOTT
FISHER CHANNEL	O-11	52 21.4	127 41.65	64 10 28 14	20	25	X X BOTT
FISHER CHANNEL	O-12	52 21.0	127 41.63	64 10 28 15	20	22	X X BOTT
FISHER CHANNEL	O-13	52 20.85	127 41.62	64 10 28 16	20	22	X X BOTT
PRINCE RUPERT	P-10	54 13.15	130 17.6	64 10 21 17	15	18	X X BOTT
PRINCE RUPERT	P-11	54 13.65	130 17.85	64 10 22 14	20	20	X X BOTT
PRINCE RUPERT	P-12	54 13.95	130 18.1	64 10 22 16	20	20	X X BOTT
PRINCE RUPERT	P-13	54 14.2	130 18.35	64 10 22 17	16	16	X X BOTT
PRINCE RUPERT	P-14	54 14.6	130 18.35	64 10 22 18	20	20	X X BOTT
PRINCE RUPERT	P-15	54 14.65	130 17.35	64 10 23 10	20	24	X X BOTT
PRINCE RUPERT	P-16	54 14.82	130 16.9	64 10 23 11	20	26	X X BOTT
PRINCE RUPERT	P-17	54 14.9	130 16.4	64 10 23 13	20	20	X X BOTT
PRINCE RUPERT	P-18	54 15.3	130 15.9	64 10 23 14	20	26	X X BOTT
PRINCE RUPERT	P-27	54 19.0	130 15.44	64 10 24 08	30	36	X X BOTT
PRINCE RUPERT	P-28	54 11.8	130 16.0	64 10 22 09	8	9	X X BOTT
PRINCE RUPERT	P-29	54 10.7	130 11.2	64 10 22 09	6	6	X X BOTT
PRINCE RUPERT	P-30	54 08.0	130 06.8	64 10 22 11	8	9	X X BOTT
PRINCE RUPERT	P-12A	54 13.95	130 18.05	64 10 24 11	15	18	X X BOTT

BOTTLE/CTD DATA SET NUMBER: 64-0018
YEAR: 1964 VESSEL/AGENCY: VELELLA

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER MEAS (M)	PARAM C S T	INSTR	INT NO
BURKE CHANNEL	1	51 47.2	128 04.0	64 06 2 20					
BURKE CHANNEL	1	51 47.2	128 04.0	64 06 4 23				X	X CTD
BURKE CHANNEL	1	51 47.2	128 04.0	64 06 9 18				X	X CTD
BURKE CHANNEL	1	51 54.4	127 52.2	64 06 1 14	30			X	X BOTT
BURKE CHANNEL	1	51 56.4	127 48.2	64 05 20 16	30			X	X BOTT
BURKE CHANNEL	1	51 56.8	127 47.6	64 05 19 17	125			X	X BOTT
BURKE CHANNEL	1	51 56.8	127 47.6	64 05 23 15	100			X	X BOTT
BURKE CHANNEL	1	51 57.5	127 54.9	64 05 22 15	100			X	X BOTT
BURKE CHANNEL	1	51 57.7	127 54.8	64 05 24 15	200			X	X BOTT
BURKE CHANNEL	1	52 06.4	127 36.7	64 05 26 19	150			X	X BOTT
BURKE CHANNEL	1	52 17.6	127 12.3	64 05 14 15	25			X	X CTD
BURKE CHANNEL	1	52 18.7	127 06.6	64 05 13 16	25			X	X CTD
BURKE CHANNEL	1	52 18.9	127 10.7	64 05 2 15	25			X	X CTD
BURKE CHANNEL	1	52 21.8	126 52.9	64 04 14 17	150			X	X BOTT
BURKE CHANNEL	1	52 21.8	126 52.9	64 04 15 16	150			X	X BOTT
BURKE CHANNEL	1	52 21.9	126 51.6	64 04 28 18	25			X	X CTD
BURKE CHANNEL	1	52 22.7	126 48.3	64 05 5 17	30			X	X CTD
BURKE CHANNEL	1	52 25.1	127 13.6	64 05 12 16	25			X	X CTD
BURKE CHANNEL	2	51 47.2	127 59.7	64 06 6 16	160			X	X BOTT
BURKE CHANNEL	2	51 47.4	128 01.8	64 06 2 15	100			X	X BOTT
BURKE CHANNEL	2	51 47.4	128 01.8	64 06 2 22	100			X	X BOTT
BURKE CHANNEL	2	51 47.4	128 01.8	64 06 4 21	100			X	X BOTT
BURKE CHANNEL	2	51 47.4	128 01.8	64 06 9 19	100			X	X BOTT
BURKE CHANNEL	2	51 54.9	127 52.7	64 06 1 15	30			X	X CTD
BURKE CHANNEL	2	51 56.6	127 48.0	64 05 23 16	100			X	X CTD
BURKE CHANNEL	2	51 56.7	127 48.4	64 05 20 16	30			X	X BOTT
BURKE CHANNEL	2	51 57.1	127 46.2	64 05 19 18	125			X	X BOTT
BURKE CHANNEL	2	51 57.4	127 54.5	64 05 22 16	100			X	X BOTT
BURKE CHANNEL	2	51 57.5	127 54.5	64 05 24 16	200			X	X BOTT
BURKE CHANNEL	2	52 06.4	127 36.8	64 05 26 19	150			X	X CTD
BURKE CHANNEL	2	52 17.9	127 13.2	64 05 14 16	25			X	X CTD
BURKE CHANNEL	2	52 19.1	127 11.5	64 05 2 16	25			X	X CTD
BURKE CHANNEL	2	52 19.4	127 06.5	64 05 13 16	25			X	X CTD
BURKE CHANNEL	2	52 22.1	126 52.9	64 04 28 18	25			X	X CTD

BURKE CHANNEL	2	52 22.1	126 53.1	64 04 15 17	150	X X BOTT
BURKE CHANNEL	2	52 23.0	126 49.0	64 05 5 18	30	X X CTD
BURKE CHANNEL	2	52 25.1	127 12.5	64 05 12 17	25	X X CTD
BURKE CHANNEL	3	51 47.4	127 56.9	64 06 6 17	160	X X BOTT
BURKE CHANNEL	3	51 47.7	128 02.4	64 06 2 16	100	X X BOTT
BURKE CHANNEL	3	51 47.7	128 02.4	64 06 2 23	100	X X BOTT
BURKE CHANNEL	3	51 47.7	128 02.4	64 06 4 21	100	X X BOTT
BURKE CHANNEL	3	51 47.7	128 02.4	64 06 9 19	100	X X BOTT
BURKE CHANNEL	3	51 55.5	127 53.1	64 06 1 15	30	X X CTD
BURKE CHANNEL	3	51 57.2	127 48.8	64 05 20 16	30	X X CTD
BURKE CHANNEL	3	51 57.4	127 45.8	64 05 23 16	100	X X BOTT
BURKE CHANNEL	3	51 57.5	127 44.0	64 05 19 18	125	X X BOTT
BURKE CHANNEL	3	51 57.6	127 55.8	64 05 22 16	100	X X BOTT
BURKE CHANNEL	3	51 57.6	127 55.8	64 05 24 16	200	X X BOTT
BURKE CHANNEL	3	52 06.4	127 37.9	64 05 26 20	150	X X BOTT
BURKE CHANNEL	3	52 18.2	127 14.2	64 05 14 16	25	X X CTD
BURKE CHANNEL	3	52 19.4	127 12.5	64 05 2 16	25	X X CTD
BURKE CHANNEL	3	52 19.9	127 06.3	64 05 13 17	25	X X CTD
BURKE CHANNEL	3	52 22.4	126 53.5	64 04 15 18	150	X X BOTT
BURKE CHANNEL	3	52 22.4	126 53.5	64 04 28 18	25	X X CTD
BURKE CHANNEL	3	52 23.4	126 49.6	64 05 5 18	30	X X CTD
BURKE CHANNEL	3	52 25.1	127 11.3	64 05 12 17	25	X X CTD
BURKE CHANNEL	4	51 47.9	127 54.0	64 06 6 18	160	X X BOTT
BURKE CHANNEL	4	51 48.1	128 02.9	64 06 2 16	100	X X BOTT
BURKE CHANNEL	4	51 48.1	128 02.9	64 06 2 22	100	X X BOTT
BURKE CHANNEL	4	51 48.1	128 02.9	64 06 4 22	100	X X BOTT
BURKE CHANNEL	4	51 48.1	128 02.9	64 06 9 20	100	X X BOTT
BURKE CHANNEL	4	51 51.8	127 58.9	64 06 1 17	30	X X CTD
BURKE CHANNEL	4	51 57.4	127 42.5	64 05 19 19	125	X X BOTT
BURKE CHANNEL	4	51 57.4	127 46.8	64 05 20 18	30	X X CTD
BURKE CHANNEL	4	51 57.5	127 42.5	64 05 23 17	100	X X BOTT
BURKE CHANNEL	4	51 57.8	127 57.1	64 05 24 17	200	X X BOTT
BURKE CHANNEL	4	51 58.8	127 57.1	64 05 22 18	100	X X BOTT
BURKE CHANNEL	4	52 06.4	127 39.6	64 05 26 21	150	X X BOTT
BURKE CHANNEL	4	52 13.6	127 22.3	64 05 14 19	25	X X CTD
BURKE CHANNEL	4	52 20.5	127 09.7	64 05 13 17	25	X X CTD
BURKE CHANNEL	4	52 21.0	126 55.8	64 05 5 22	30	X X CTD
BURKE CHANNEL	4	52 21.6	127 10.4	64 05 2 18	25	X X CTD
BURKE CHANNEL	4	52 23.1	127 13.0	64 05 12 21	25	X X CTD
BURKE CHANNEL	5	51 48.5	128 00.4	64 06 2 18		
BURKE CHANNEL	5	51 48.5	128 00.4	64 06 4 20		
BURKE CHANNEL	5	51 48.5	128 00.4	64 06 9 21		
BURKE CHANNEL	5	51 51.8	128 00.6	64 06 1 18	30	X X CTD
BURKE CHANNEL	5	51 57.3	127 46.0	64 05 20 18	30	X X CTD
BURKE CHANNEL	5	51 57.5	127 57.2	64 05 22 19	100	X X BOTT
BURKE CHANNEL	5	52 01.7	127 41.2	64 05 26 22	150	X X BOTT
BURKE CHANNEL	5	52 14.2	127 22.5	64 05 14 20	25	X X CTD
BURKE CHANNEL	5	52 19.4	127 11.6	64 05 2 19	25	X X CTD
BURKE CHANNEL	5	52 19.7	127 09.7	64 05 13 18	25	X X CTD
BURKE CHANNEL	5	52 21.4	126 56.1	64 05 5 22	30	X X CTD
BURKE CHANNEL	5	52 22.9	127 13.7	64 05 12 21	25	X X CTD
BURKE CHANNEL	6	51 48.8	127 59.8	64 06 1 18	30	X X CTD
BURKE CHANNEL	6	51 49.3	127 57.7	64 06 9 21		
BURKE CHANNEL	6	51 57.1	127 45.3	64 05 20 18	30	X X CTD
BURKE CHANNEL	6	51 57.4	127 55.9	64 05 22 20	100	X X BOTT
BURKE CHANNEL	6	52 01.7	127 40.1	64 05 26 23	150	X X BOTT
BURKE CHANNEL	6	52 14.8	127 22.6	64 05 14 20	25	X X CTD
BURKE CHANNEL	6	52 18.9	127 09.7	64 05 13 18	25	X X CTD
BURKE CHANNEL	6	52 21.4	127 11.0	64 05 2 19	25	X X CTD
BURKE CHANNEL	6	52 21.8	126 56.4	64 05 5 23	30	X X CTD
BURKE CHANNEL	6	52 22.1	126 53.2	64 04 26 17	100	X X BOTT
BURKE CHANNEL	6	52 22.6	127 14.5	64 05 12 21	25	X X CTD
BURKE CHANNEL	7	51 47.9	127 54.0	64 06 6 22	160	X X BOTT
BURKE CHANNEL	7	51 57.3	127 54.7	64 05 22 20	100	X X BOTT
BURKE CHANNEL	7	51 58.5	128 00.7	64 06 1 18	30	X X CTD
BURKE CHANNEL	7	52 01.7	127 39.3	64 05 26 23	150	X X BOTT
BURKE CHANNEL	7	52 21.2	127 11.6	64 05 12 22	25	X X CTD
BURKE CHANNEL	7	52 25.1	127 13.6	64 05 2 22	25	X X CTD
BURKE CHANNEL	8	51 47.5	127 57.1	64 06 6 23	160	X X BOTT
BURKE CHANNEL	8	51 47.5	128 02.6	64 06 1 19	30	X X CTD
BURKE CHANNEL	8	52 21.4	127 11.0	64 05 12 22	25	X X CTD
BURKE CHANNEL	8	52 24.9	127 11.3	64 05 2 22	25	X X CTD
BURKE CHANNEL	8	52 57.2	127 41.2	64 05 27 0	30	X X CTD
BURKE CHANNEL	9	51 47.3	127 59.4	64 06 7 0	160	X X BOTT
BURKE CHANNEL	9	51 57.5	127 42.0	64 05 27 0	30	X X CTD
BURKE CHANNEL	9	52 21.6	127 10.5	64 05 12 23	25	X X CTD
BURKE CHANNEL	9	52 25.0	127 12.4	64 05 2 23	25	X X CTD
BURKE CHANNEL	A	52 18.8	126 58.0	64 05 6 14	25	X X CTD
BURKE CHANNEL	A	52 19.1	127 09.1	64 05 3 15	25	X X CTD
BURKE CHANNEL	B	52 19.2	126 58.6	64 05 6 15	25	X X CTD
BURKE CHANNEL	B	52 19.7	127 08.6	64 05 3 15	25	X X CTD
BURKE CHANNEL	C	52 19.8	126 59.3	64 05 6 16	25	X X CTD
BURKE CHANNEL	C	52 20.3	127 08.1	64 05 3 16	25	X X CTD

BURKE CHANNEL	D	52 19.2	127 00.4	64 05	6 17	25	X	X CTD
BURKE CHANNEL	D	52 19.9	127 03.0	64 05	3 19	25	X	X CTD
BURKE CHANNEL	E	52 18.5	126 01.4	64 05	6 18	25	X	X CTD
BURKE CHANNEL	E	52 19.3	127 02.5	64 05	3 19	25	X	X CTD
BURKE CHANNEL	F	52 18.7	127 02.0	64 05	3 20	25	X	X CTD
BURKE CHANNEL	G	52 18.8	126 57.8	64 05	3 21	25	X	X CTD
BURKE CHANNEL	H	52 19.2	126 58.5	64 05	3 22	25	X	X CTD
BURKE CHANNEL	I	52 19.8	126 59.4	64 05	3 22	25	X	X CTD
BURKE CHANNEL	10	51 57.9	127 42.6	64 05	27 1	30	X	X CTD
BURKE CHANNEL	11	51 57.6	127 44.6	64 05	27 1	50	X	X BOTT
BURKE CHANNEL	12	51 57.3	127 45.8	64 05	27 1	30	X	X CTD
BURKE CHANNEL	13	51 56.3	127 48.8	64 05	27 2	100	X	X BOTT
BURKE CHANNEL	14	51 54.4	127 52.2	64 05	27 13	150	X	X BOTT
BURKE CHANNEL	15	51 54.9	127 52.7	64 05	27 14	150	X	X BOTT
BURKE CHANNEL	16	51 55.5	127 53.1	64 05	27 15	150	X	X BOTT
BURKE CHANNEL	17	51 54.4	127 52.2	64 05	28 0	150	X	X BOTT
BURKE CHANNEL	18	51 54.9	127 52.2	64 05	28 1	150	X	X BOTT
BURKE CHANNEL	19	51 55.5	127 53.1	64 05	28 2	150	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 65-0011
YEAR:1965 VESSEL/AGENCY: AGONA

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						
DIXON ENTRANCE		54 45.7	130 59.6	65 03 20 17	?	284		X	X	BOTT
DIXON ENTRANCE		54 45.8	130 58.9	65 10 01 02	143	182		X	X	BOTT
DIXON ENTRANCE	3	54 45.8	130 58.9	65 01 09 16	149	237		X	X	BOTT
OGDEN CHANNEL	4	53 55.3	130 13.6	65 01 10 2	75	170		X	X	BOTT
WHALE CHANNEL	5	53 16.5	129 7.8	65 01 10 9	400	484		X	X	BOTT
FITZ HUGH SD.	6	51 40.1	127 55.6	65 01 11 2	200	324		X	X	BOTT
WHALE CHANNEL	47	53 16.3	129 8.0	65 03 20 3	365			X	X	BOTT
OGDEN CHANNEL	48	53 55.1	130 13.7	65 03 20 10	100	154		X	X	BOTT
FITZ HUGH SD.	102	51 40.1	127 56.6	65 09 29 18	191	307		X	X	BOTT
WHALE CHANNEL	103	53 16.5	129 7.8	65 09 30 10	171	504		X	X	BOTT
OGDEN CHANNEL	104	53 55.3	130 13.6	65 09 30 18	74	145		X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 65-0012
YEAR:1965 VESSEL/AGENCY: ENDEAVOUR

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						
DIXON ENTRANCE	1	54 42.5	131 44.6	65 8 1 18	298	360	X	X	X	BOTT
DIXON ENTRANCE	2	54 42.0	131 10.0	65 8 1 22	249	274	X	X	X	BOTT
DIXON ENTRANCE	73	54 28.0	132 25.0	65 8 14 13	300	348	X	X	X	BOTT
Q. C. SOUND	74	51 10.0	129 50.0	65 8 15 6	1000	X		X	X	BOTT
Q. C. SOUND	75	51 4.9	128 12.0	65 8 15 11	146	159	X	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 65-0021
YEAR:1965 VESSEL/AGENCY: VELELLA

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						
BURKE CHANNEL	1	52 22.2	126 53.2	65 04 22 14	100			X	X	BOTT
BURKE CHANNEL	2	51 47.4	128 01.8	65 06 03 11	50			X	X	CTD
BURKE CHANNEL	2	51 47.4	128 01.8	65 06 05 06	50			X	X	CTD
BURKE CHANNEL	2	51 47.4	128 01.8	65 06 06 14	50			X	X	CTD

BURKE CHANNEL	2	51	47.4	128 01.8	65 06 07 07	50	X	X CTD
BURKE CHANNEL	2	52	22.6	126 48.3	65 04 15	50	X	X CTD
BURKE CHANNEL	2	52	22.6	126 48.3	65 04 22	50	X	X CTD
BURKE CHANNEL	2	52	22.6	126 48.3	65 05 02	50	X	X CTD
BURKE CHANNEL	3	51	47.7	128 02.4	65 06 03 11	50	X	X CTD
BURKE CHANNEL	3	51	47.7	128 02.4	65 06 05 06	50	X	X CTD
BURKE CHANNEL	3	51	47.7	128 02.4	65 06 06 15	50	X	X CTD
BURKE CHANNEL	3	51	47.7	128 02.4	65 06 07 07	50	X	X CTD
BURKE CHANNEL	3	52	23.1	126 48.6	65 04 15	50	X	X CTD
BURKE CHANNEL	3	52	23.1	126 48.6	65 04 22	50	X	X CTD
BURKE CHANNEL	3	52	23.1	126 48.6	65 05 02	50	X	X CTD
BURKE CHANNEL	4	51	48.1	128 02.9	65 06 03 11	50	X	X CTD
BURKE CHANNEL	4	51	48.1	128 02.9	65 06 05 06	50	X	X CTD
BURKE CHANNEL	4	51	48.1	128 02.9	65 06 06 15	50	X	X CTD
BURKE CHANNEL	4	51	48.1	128 02.9	65 06 07 06	50	X	X CTD
BURKE CHANNEL	4	52	23.6	126 49.0	65 04 15	50	X	X CTD
BURKE CHANNEL	4	52	23.6	126 49.0	65 04 22	50	X	X CTD
BURKE CHANNEL	4	52	23.6	126 49.0	65 05 02	50	X	X CTD
BURKE CHANNEL	5	52	21.8	126 52.8	65 04 15	50	X	X CTD
BURKE CHANNEL	5	52	21.8	126 52.8	65 04 22	50	X	X CTD
BURKE CHANNEL	5	52	21.8	126 52.8	65 05 02	50	X	X CTD
BURKE CHANNEL	6	52	22.1	126 53.1	65 04 15	50	X	X CTD
BURKE CHANNEL	6	52	22.1	126 53.1	65 04 22	50	X	X CTD
BURKE CHANNEL	6	52	22.1	126 53.1	65 05 02	50	X	X CTD
BURKE CHANNEL	7	52	22.2	126 52.8	65 04 24 09	100	X	X BOTT
BURKE CHANNEL	7	52	22.4	126 53.5	65 04 15	50	X	X CTD
BURKE CHANNEL	7	52	22.4	126 53.5	65 04 22	50	X	X CTD
BURKE CHANNEL	7	52	22.4	126 53.5	65 05 02	50	X	X CTD
BURKE CHANNEL	8	52	20.9	126 55.3	65 04 15	50	X	X CTD
BURKE CHANNEL	8	52	20.9	126 55.3	65 04 22	50	X	X CTD
BURKE CHANNEL	8	52	20.9	126 55.3	65 05 02	50	X	X CTD
BURKE CHANNEL	9	52	20.8	126 57.0	65 04 15	50	X	X CTD
BURKE CHANNEL	9	52	20.8	126 57.0	65 04 22	50	X	X CTD
BURKE CHANNEL	9	52	20.8	126 57.0	65 05 02	50	X	X CTD
BURKE CHANNEL	10	52	20.7	126 58.1	65 04 15	50	X	X CTD
BURKE CHANNEL	10	52	20.7	126 58.1	65 04 22	50	X	X CTD
BURKE CHANNEL	10	52	20.7	126 58.1	65 05 02	50	X	X CTD
BURKE CHANNEL	11	52	19.8	126 59.1	65 04 15	50	X	X CTD
BURKE CHANNEL	11	52	19.8	126 59.1	65 04 22	50	X	X CTD
BURKE CHANNEL	11	52	19.8	126 59.1	65 05 02	50	X	X CTD
BURKE CHANNEL	12	52	19.3	126 58.5	65 04 15	50	X	X CTD
BURKE CHANNEL	12	52	19.3	126 58.5	65 04 22	50	X	X CTD
BURKE CHANNEL	12	52	19.3	126 58.5	65 05 02	50	X	X CTD
BURKE CHANNEL	13	52	18.8	126 57.9	65 04 15	50	X	X CTD
BURKE CHANNEL	13	52	18.8	126 57.9	65 04 22	50	X	X CTD
BURKE CHANNEL	13	52	18.8	126 57.9	65 05 02	50	X	X CTD
BURKE CHANNEL	14	52	18.4	126 58.9	65 04 15	50	X	X CTD
BURKE CHANNEL	14	52	18.4	126 58.9	65 04 22	50	X	X CTD
BURKE CHANNEL	15	52	18.1	126 00.2	65 04 15	50	X	X CTD
BURKE CHANNEL	15	52	18.1	126 00.2	65 04 22	50	X	X CTD
BURKE CHANNEL	16	52	19.9	127 03.4	65 04 15	50	X	X CTD
BURKE CHANNEL	16	52	19.9	127 03.4	65 04 22	50	X	X CTD
BURKE CHANNEL	17	52	19.1	127 03.4	65 04 15	50	X	X CTD
BURKE CHANNEL	17	52	19.1	127 03.4	65 04 22	50	X	X CTD
BURKE CHANNEL	18	52	18.3	127 03.4	65 04 15	50	X	X CTD
BURKE CHANNEL	18	52	18.3	127 03.4	65 04 22	50	X	X CTD
BURKE CHANNEL	19	52	18.8	127 07.0	65 04 15	50	X	X CTD
BURKE CHANNEL	19	52	18.8	127 07.0	65 04 22	50	X	X CTD
BURKE CHANNEL	20	52	19.3	127 06.7	65 04 15	50	X	X CTD
BURKE CHANNEL	20	52	19.3	127 06.7	65 04 22	50	X	X CTD
BURKE CHANNEL	21	52	19.9	127 06.4	65 04 15	50	X	X CTD
BURKE CHANNEL	21	52	19.9	127 06.4	65 04 22	50	X	X CTD
BURKE CHANNEL	22	52	18.8	127 10.6	65 04 15	50	X	X CTD
BURKE CHANNEL	22	52	18.8	127 10.6	65 04 22	50	X	X CTD
BURKE CHANNEL	23	52	19.1	127 11.4	65 04 15	50	X	X CTD
BURKE CHANNEL	23	52	19.1	127 11.4	65 04 22	50	X	X CTD
BURKE CHANNEL	24	52	19.4	127 12.5	65 04 15	50	X	X CTD
BURKE CHANNEL	24	52	19.4	127 12.5	65 04 22	50	X	X CTD
BURKE CHANNEL	25	52	17.6	127 12.3	65 04 15	50	X	X CTD
BURKE CHANNEL	25	52	17.6	127 12.3	65 04 22	50	X	X CTD
BURKE CHANNEL	26	52	17.4	127 13.7	65 04 15	50	X	X CTD
BURKE CHANNEL	26	52	17.4	127 13.7	65 04 22	50	X	X CTD
BURKE CHANNEL	27	52	17.3	127 15.3	65 04 15	50	X	X CTD
BURKE CHANNEL	27	52	17.3	127 15.3	65 04 22	50	X	X CTD
BURKE CHANNEL	28	52	21.6	127 11.8	65 04 15	50	X	X CTD
BURKE CHANNEL	28	52	21.6	127 11.8	65 04 22	50	X	X CTD
BURKE CHANNEL	29	52	21.8	127 11.2	65 04 15	50	X	X CTD
BURKE CHANNEL	29	52	21.8	127 11.2	65 04 22	50	X	X CTD
BURKE CHANNEL	30	52	22.0	127 10.8	65 04 15	50	X	X CTD
BURKE CHANNEL	30	52	22.0	127 10.8	65 04 22	50	X	X CTD
BURKE CHANNEL	31	52	25.1	127 13.6	65 04 15	50	X	X CTD
BURKE CHANNEL	31	52	25.1	127 13.6	65 04 22	50	X	X CTD
BURKE CHANNEL	32	52	25.1	127 12.5	65 04 15	50	X	X CTD

BURKE CHANNEL	32	52	25.1	127	12.5	65	04	22	50	X	X CTD
BURKE CHANNEL	33	52	25.1	127	11.3	65	04	15	50	X	X CTD
BURKE CHANNEL	33	52	25.1	127	11.3	65	04	22	50	X	X CTD
BURKE CHANNEL	47	51	47.2	127	59.7	65	06	03	60	X	X CTD
BURKE CHANNEL	47	51	47.2	127	59.7	65	06	05	60	X	X CTD
BURKE CHANNEL	47	51	47.2	127	59.7	65	06	06	60	X	X CTD
BURKE CHANNEL	48	51	47.4	127	56.9	65	06	03	60	X	X CTD
BURKE CHANNEL	48	51	47.4	127	56.9	65	06	05	60	X	X CTD
BURKE CHANNEL	48	51	47.4	127	56.9	65	06	06	60	X	X CTD
BURKE CHANNEL	49	51	47.9	127	54.0	65	06	03	60	X	X CTD
BURKE CHANNEL	49	51	47.9	127	54.0	65	06	05	60	X	X CTD
BURKE CHANNEL	49	51	47.9	127	54.0	65	06	06	60	X	X CTD

BOTTLE/CTD DATA SET NUMBER: 66-0013
YEAR: 1966 VESSEL/AGENCY: ENDEAVOUR

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	(M)			C	S	T
B.C. INLETS	14	51 54.2	127 56.9	66 5 12 11	300	348	X	X	BOTT	
B.C. INLETS	15	52 8.3	127 35.0	66 5 12 13	400	430	X	X	BOTT	
B.C. INLETS	16	52 11.9	127 28.8	66 5 12 15	500	580	X	X	BOTT	
B.C. INLETS	17	52 16.5	127 15.6	66 5 12 16	496	563	X	X	BOTT	
B.C. INLETS	18	52 19.4	127 2.8	66 5 12 18	396	497	X	X	BOTT	
B.C. INLETS	19	52 22.7	126 50.6	66 5 12 19	275	278	X	X	BOTT	
B.C. INLETS	20	52 29.3	127 14.5	66 5 12 22	448	485	X	X	BOTT	
B.C. INLETS	21	52 38.3	127 0.8	66 5 13	396	472	X	X	BOTT	
B.C. INLETS	22	52 50.0	126 59.6	66 5 13 1	150	161	X	X	BOTT	
B.C. INLETS	23	52 22.0	127 27.4	66 5 13 5	400	465	X	X	BOTT	
B.C. INLETS	24	52 15.0	127 47.0	66 5 13 7	400	421	X	X	BOTT	
B.C. INLETS	25	53 19.8	128 54.3	66 5 13 17	399	448	X	X	BOTT	
B.C. INLETS	26	53 33.3	128 59.2	66 5 13 18	200	241	X	X	BOTT	
B.C. INLETS	27	53 32.8	128 46.5	66 5 13 20	150	179	X	X	BOTT	
B.C. INLETS	28	53 27.4	128 36.5	66 5 13 22	200	245	X	X	BOTT	
B.C. INLETS	29	53 28.9	128 20.4	66 5 13 23	450	457	X	X	BOTT	
B.C. INLETS	30	53 28.0	128 12.3	66 5 14	400	446	X	X	BOTT	
B.C. INLETS	31	53 19.6	127 56.2	66 5 14 2	250	254	X	X	BOTT	
B.C. INLETS	32	53 53.8	128 44.3	66 5 14 8	248	260	X	X	BOTT	
B.C. INLETS	33	53 58.3	128 40.8	66 5 14 9	150	161	X	X	BOTT	
B.C. INLETS	34	53 47.3	128 53.5	66 5 14 11	350	373	X	X	BOTT	
B.C. INLETS	35	53 40.2	129 7.9	66 5 14 12	350	384	X	X	BOTT	
B.C. INLETS	36	53 30.8	129 12.4	66 5 14 14	299	351	X	X	BOTT	
B.C. INLETS	37	53 22.3	129 11.6	66 5 14 15	397	448	X	X	BOTT	
B.C. INLETS	39	54 50.2	130 13.5	66 5 15 20	400	435	X	X	BOTT	
B.C. INLETS	40	55 0.2	130 8.5	66 5 15 21	250	296	X	X	BOTT	
B.C. INLETS	41	55 14.5	130 1.8	66 5 15 23	298	326	X	X	BOTT	
B.C. INLETS	42	55 22.5	130 1.5	66 5 16	200	249	X	X	BOTT	
B.C. INLETS	43	55 32.3	130 6.4	66 5 16 2	199	225	X	X	BOTT	
B.C. INLETS	44	55 43.6	130 8.8	66 5 16 3	350	404	X	X	BOTT	
B.C. INLETS	45	55 48.5	130 6.9	66 5 16 4	250	276	X	X	BOTT	
B.C. INLETS	46	55 53.5	130 1.0	66 5 16 5	150	205	X	X	BOTT	
B.C. INLETS	47	55 8.1	129 55.1	66 5 16 12	400	454	X	X	BOTT	
B.C. INLETS	48	55 18.1	129 47.5	66 5 16 14	500	525	X	X	BOTT	
B.C. INLETS	49	55 27.1	129 37.1	66 5 16 15	346	379	X	X	BOTT	
B.C. INLETS	50	55 28.0	129 29.0	66 5 16 17	75	104	X	X	BOTT	
B.C. INLETS	51	55 26.6	129 31.6	66 5 16 17	250	263	X	X	BOTT	
B.C. INLETS	52	55 29.0	129 45.0	66 5 16 19	249	285	X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 66-0022
YEAR: 1966 VESSEL/AGENCY: POG, G.B. REED

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	(M)			C	S	T
DIXON ENTRANCE	76	54 30.0	132 40.0	66 07 07	275			X	BT	
Q.C.SOUND	101	51 30.0	129 55.0	66 08 03	250			X	BT	
DIXON ENTRANCE	169	54 14.0	132 10.0	66 08 19	135			X	BT	

DIXON ENTRANCE	170	54	14.0	132	20.0	66	08	19	135	X BT
DIXON ENTRANCE	171	54	36.0	132	19.0	66	08	20	135	X BT
DIXON ENTRANCE	172	54	35.0	132	05.0	66	08	20	135	X BT
DIXON ENTRANCE	173	54	36.0	131	41.0	66	08	21	135	X BT
HECATE STRAIT	174	53	09.0	130	32.0	66	08	21	135	X BT
Q.C.SOUND	175	51	00.0	128	00.0	66	08	23	135	X BT

BOTTLE/CTD DATA SET NUMBER: 66-0023
YEAR:1966 VESSEL/AGENCY: VELELLA

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					
BURKE CHANNEL	1	52 23.1	126 48.3	66 04 02			X	X	CTD
BURKE CHANNEL	1	52 23.1	126 48.3	66 04 03			X	X	CTD
BURKE CHANNEL	1	52 23.1	126 48.3	66 04 12			X	X	CTD
BURKE CHANNEL	1	52 23.1	126 48.3	66 04 20			X	X	CTD
BURKE CHANNEL	1	52 23.1	126 48.3	66 05 10			X	X	CTD
BURKE CHANNEL	1	52 23.1	126 48.3	66 06 16			X	X	CTD
BURKE CHANNEL	2	52 22.4	126 50.3	66 04 02			X	X	CTD
BURKE CHANNEL	2	52 22.4	126 50.3	66 04 03			X	X	CTD
BURKE CHANNEL	2	52 22.4	126 50.3	66 04 12			X	X	CTD
BURKE CHANNEL	2	52 22.4	126 50.3	66 04 21			X	X	CTD
BURKE CHANNEL	2	52 22.4	126 50.3	66 06 10			X	X	CTD
BURKE CHANNEL	3	52 22.7	126 50.5	66 04 02			X	X	CTD
BURKE CHANNEL	3	52 22.7	126 50.5	66 04 03			X	X	CTD
BURKE CHANNEL	3	52 22.7	126 50.5	66 04 12			X	X	CTD
BURKE CHANNEL	3	52 22.7	126 50.5	66 04 21			X	X	CTD
BURKE CHANNEL	3	52 22.7	126 50.5	66 06 10			X	X	CTD
BURKE CHANNEL	4	52 23.1	126 50.8	66 04 02			X	X	CTD
BURKE CHANNEL	4	52 23.1	126 50.8	66 04 03			X	X	CTD
BURKE CHANNEL	4	52 23.1	126 50.8	66 04 12			X	X	CTD
BURKE CHANNEL	4	52 23.1	126 50.8	66 04 21			X	X	CTD
BURKE CHANNEL	4	52 23.1	126 50.8	66 06 10			X	X	CTD
BURKE CHANNEL	5	52 22.2	126 52.8	66 04 02			X	X	CTD
BURKE CHANNEL	5	52 22.2	126 52.8	66 04 03			X	X	CTD
BURKE CHANNEL	5	52 22.2	126 52.8	66 04 12			X	X	CTD
BURKE CHANNEL	5	52 22.2	126 52.8	66 04 21			X	X	CTD
BURKE CHANNEL	5	52 22.2	126 52.8	66 05 10			X	X	CTD
BURKE CHANNEL	5	52 22.2	126 52.8	66 06 10			X	X	CTD
BURKE CHANNEL	6	52 19.2	126 59.2	66 04 02			X	X	CTD
BURKE CHANNEL	6	52 19.2	126 59.2	66 04 03			X	X	CTD
BURKE CHANNEL	6	52 19.2	126 59.2	66 04 21			X	X	CTD
BURKE CHANNEL	6	52 19.2	126 59.2	66 04 24			X	X	CTD
BURKE CHANNEL	6	52 19.2	126 59.2	66 06 10			X	X	CTD
BURKE CHANNEL	7	52 18.3	126 58.7	66 04 02			X	X	CTD
BURKE CHANNEL	7	52 18.3	126 58.7	66 04 03			X	X	CTD
BURKE CHANNEL	7	52 18.3	126 58.7	66 05 11			X	X	CTD
BURKE CHANNEL	7	52 18.3	126 58.7	66 06 10			X	X	CTD
BURKE CHANNEL	8	52 11.8	127 27.5	66 05 11			X	X	CTD
BURKE CHANNEL	8	52 11.8	127 27.5	66 06 10			X	X	CTD
BURKE CHANNEL	9	52 12.2	127 27.5	66 05 11			X	X	CTD
BURKE CHANNEL	9	52 12.2	127 27.5	66 06 10			X	X	CTD
BURKE CHANNEL	10	52 12.8	127 27.5	66 05 11			X	X	CTD
BURKE CHANNEL	10	52 12.8	127 27.5	66 06 10			X	X	CTD
BURKE CHANNEL	11	52 10.3	127 31.4	66 06 10			X	X	CTD
BURKE CHANNEL	12	52 07.9	127 36.9	66 05 17			X	X	CTD
BURKE CHANNEL	12	52 07.9	127 36.9	66 06 10			X	X	CTD
BURKE CHANNEL	13	52 01.3	127 40.1	66 05 17			X	X	CTD
BURKE CHANNEL	14	51 57.5	127 43.6	66 05 17			X	X	CTD
BURKE CHANNEL	15	51 54.9	127 52.7	66 06 10			X	X	CTD
BURKE CHANNEL	16	52 04.9	127 37.8				X	X	CTD
BURKE CHANNEL	17	52 04.9	127 38.7				X	X	CTD
BURKE CHANNEL	18	52 04.9	127 39.7	66 05 18			X	X	CTD
BURKE CHANNEL	19	52 19.8	127 28.9				X	X	CTD
BURKE CHANNEL	21	51 55.5	127 53.1	66 06 10			X	X	CTD
BURKE CHANNEL	22	51 54.4	127 52.2	66 06 10			X	X	CTD
BURKE CHANNEL	23	51 56.0	127 57.4	66 06 10			X	X	CTD
BURKE CHANNEL	24	51 56.0	127 55.9	66 06 10			X	X	CTD
BURKE CHANNEL	25	51 56.0	127 54.6	66 06 10			X	X	CTD
BURKE CHANNEL	26	51 46.9	127 59.3	66 06 10			X	X	CTD
BURKE CHANNEL	27	51 46.9	127 56.4	66 06 10			X	X	CTD
BURKE CHANNEL	28	51 46.9	127 53.6	66 06 10			X	X	CTD
BURKE CHANNEL	29	51 47.2	128 02.1	66 06 10			X	X	CTD
BURKE CHANNEL	30	51 47.8	128 02.4	66 06 10			X	X	CTD

BURKE CHANNEL 31 51 48.4 128 02.8 66 06 10 X X CTD

BOTTLE/CTD DATA SET NUMBER: 67-0008
 YEAR: 1967 VESSEL/AGENCY: PARRY

AREA	STN	LAT	LON	DATE	CAST	WATER	PARAM	INSTR	INT NO
		DEG MIN	DEG MIN	YR MO DY HR	TO	DEPTH	MEAS	HR	
				*PST	(M)	(M)	C S T		
PRINCE RUPERT	P-1	54 20.45	130 17.0	67 08 07 14*	55	57	X	X BECK	
PRINCE RUPERT	P-1	54 20.45	130 17.02	67 07 17 07	50	56	X	X BECK	
PRINCE RUPERT	P-3	54 16.95	130 21.83	67 07 17 09	44	46	X	X BECK	
PRINCE RUPERT	P-3	54 16.97	130 21.85	67 08 07 13	37	47	X	X BECK	
PRINCE RUPERT	P-4	54 13.97	130 20.85	67 07 17 10	50	53	X	X BECK	
PRINCE RUPERT	P-4	54 14.0	130 20.83	67 08 07 12	50	52	X	X BECK	
PRINCE RUPERT	P-8	54 11.95	130 18.47	67 08 07 11	25	26	X	X BECK	
PRINCE RUPERT	P-8	54 12.0	130 18.45	67 07 17 11	25	26	X	X BECK	
PRINCE RUPERT	P-10	54 13.15	130 17.58	67 08 07 10	20	21	X	X BECK	
PRINCE RUPERT	P-10	54 13.18	130 17.6	67 07 17 12	20	23	X	X BECK	
PRINCE RUPERT	P-12	54 13.95	130 18.08	67 08 07 09	18	19	X	X BECK	
PRINCE RUPERT	P-12	54 13.97	130 18.07	67 07 17 13	19	20	X	X BECK	
PRINCE RUPERT	P-14	54 14.55	130 18.42	67 07 17 14	20	23	X	X BECK	
PRINCE RUPERT	P-14	54 14.6	130 18.4	67 08 07 08	17	17	X	X BECK	
PRINCE RUPERT	P-16	54 14.93	130 16.77	67 08 06 12	35	42	X	X BECK	
PRINCE RUPERT	P-20	54 15.93	130 14.63	67 07 16 17	50	52	X	X BECK	
PRINCE RUPERT	P-20	54 15.93	130 14.71	67 08 06 15	55	57	X	X BECK	
PRINCE RUPERT	P-25	54 16.69	130 14.68	67 08 06 16	45	60	X	X BECK	
PRINCE RUPERT	P-25	54 16.7	130 14.7	67 07 16 18	50	53	X	X BECK	
PRINCE RUPERT	P-26	54 17.48	130 14.74	67 08 06 16	20	47	X	X BECK	
PRINCE RUPERT	P-26	54 17.5	130 14.75	67 07 16 19	30	32	X	X BECK	
PRINCE RUPERT	19A10	54 15.26	130 15.43	67 07 21 14	10	11	X	X BECK	
PRINCE RUPERT	19A11	54 15.26	130 15.43	67 07 22 15	10	11	X	X BECK	
PRINCE RUPERT	19A12	54 15.26	130 15.43	67 07 23 15	10	11	X	X BECK	
PRINCE RUPERT	19A13	54 15.26	130 15.43	67 07 24 16	10	11	X	X BECK	
PRINCE RUPERT	19A14	54 15.26	130 15.43	67 07 25 16	10	11	X	X BECK	
PRINCE RUPERT	19A15	54 15.26	130 15.43	67 07 26 17	10	11	X	X BECK	
PRINCE RUPERT	19A16	54 15.26	130 15.43	67 07 27 17	10	11	X	X BECK	
PRINCE RUPERT	19A17	54 15.26	130 15.43	67 07 28 17	10	11	X	X BECK	
PRINCE RUPERT	19A18	54 15.26	130 15.43	67 07 29 18	10	11	X	X BECK	
PRINCE RUPERT	19A19	54 15.26	130 15.43	67 07 30 19	10	11	X	X BECK	
PRINCE RUPERT	19A20	54 15.26	130 15.43	67 07 31 20	10	11	X	X BECK	
PRINCE RUPERT	19A21	54 15.26	130 15.43	67 08 01 11	10	11	X	X BECK	
PRINCE RUPERT	19A22	54 15.26	130 15.43	67 08 02 12	10	11	X	X BECK	
PRINCE RUPERT	19A23	54 15.26	130 15.43	67 08 03 13	10	11	X	X BECK	
PRINCE RUPERT	19A24	54 15.26	130 15.43	67 08 04 13	10	11	X	X BECK	
PRINCE RUPERT	19A25	54 15.26	130 15.43	67 08 05 14	10	11	X	X BECK	
PRINCE RUPERT	P-17A	54 14.97	130 15.97	67 08 06 14	25	25	X	X BECK	
PRINCE RUPERT	P19A1	54 15.26	130 15.43	67 07 11 17	10	11	X	X BECK	
PRINCE RUPERT	P19A2	54 15.26	130 15.43	67 07 12 17	10	11	X	X BECK	
PRINCE RUPERT	P19A3	54 15.26	130 15.43	67 07 13 16	10	11	X	X BECK	
PRINCE RUPERT	P19A4	54 15.26	130 15.43	67 07 14 19	10	11	X	X BECK	
PRINCE RUPERT	P19A5	54 15.26	130 15.43	67 07 15 08	10	11	X	X BECK	
PRINCE RUPERT	P19A6	54 15.26	130 15.43	67 07 16 09	9	11	X	X BECK	
PRINCE RUPERT	P19A7	54 15.26	130 15.43	67 07 18 11	10	11	X	X BECK	
PRINCE RUPERT	P19A8	54 15.26	130 15.43	67 07 19 12	10	11	X	X BECK	
PRINCE RUPERT	P19A9	54 15.26	130 15.43	67 07 20 13	10	11	X	X BECK	

BOTTLE/CTD DATA SET NUMBER: 67-0009
 YEAR: 1967 VESSEL/AGENCY: KNIGHT

AREA	STN	LAT	LON	DATE	CAST	WATER	PARAM	INSTR	INT NO
		DEG MIN	DEG MIN	YR MO DY HR	TO	DEPTH	MEAS	HR	
				*PST	(M)	(M)	C S T		
KITIMAT ARM	1	53 55.8	128 43.0	67 09 27 16*	60	99	X	X BECK	
KITIMAT ARM	2	53 55.5	128 42.12	67 09 27 17	60	237	X	X BECK	
KITIMAT ARM	3	53 52.2	128 41.3	67 09 27 18	60	220	X	X BECK	
KITIMAT ARM	4	53 56.1	128 40.5	67 09 28 07	60	201	X	X BECK	
KITIMAT ARM	5	53 56.6	128 42.4	67 09 28 07	60	176	X	X BECK	

KITIMAT ARM	6	53 56.3	128 41.5	67 09 28 06	60	209	X	X BECK
KITIMAT ARM	6	53 57.3	128 42.2	67 09 28 09	60	99	X	X BECK
KITIMAT ARM	7	53 57.23	128 41.6	67 09 28 09	60	190	X	X BECK
KITIMAT ARM	8	53 57.1	128 41.0	67 09 28 09	60	201	X	X BECK
KITIMAT ARM	9	53 57.08	128 40.5	67 09 28 10	60	199	X	X BECK
KITIMAT ARM	10	53 57.0	128 39.8	67 09 28 10	60	120	X	X BECK
KITIMAT ARM	11	53 57.83	128 39.3	67 09 28 10	60	102	X	X BECK
KITIMAT ARM	12	53 58.0	128 41.9	67 09 28 10	60	157	X	X BECK
KITIMAT ARM	13	53 58.67	128 41.7	67 09 28 11	60	80	X	X BECK
KITIMAT ARM	14	53 58.55	128 41.4	67 09 28 12	60	154	X	X BECK
KITIMAT ARM	15	53 58.5	128 40.53	67 09 28 12	60	146	X	X BECK
KITIMAT ARM	16	53 58.5	128 40.0	67 09 28 12	60	143	X	X BECK
KITIMAT ARM	17	53 58.5	128 39.47	67 09 28 12	60	124	X	X BECK
DOUGLAS CH	K-1	53 25.4	129 12.5	67 09 27 08	300	406	X	X BOTT
DOUGLAS CH	K-2	53 36.82	129 12.8	67 09 27 10	296	315	X	X BOTT
DOUGLAS CH	K-3	53 44.8	129 00.5	67 09 27 12	300	360	X	X BOTT
DOUGLAS CH	K-4	53 49.2		67 09 27 14	299		X	X BOTT
KITIMAT ARM	K-5	53 54.4	128 44.0	67 09 27 15	250	263	X	X BOTT
KITIMAT ARM	K-5	53 54.4	128 44.0	67 09 27 16	60	263	X	X BECK
KITIMAT ARM	K-6	53 56.3	128 41.5	67 09 28 08	200	208	X	X BOTT
KITIMAT ARM	K-7	53 57.8	128 40.7	67 09 28 08	60	183	X	X BECK
KITIMAT ARM	K-7	53 57.8	128 40.7	67 09 28 08	170	183	X	X BOTT
KITIMAT ARM	K-8	53 59.25	128 41.22	67 09 28 12	60	86	X	X BECK
KITIMAT ARM	K-8	53 59.25	128 41.22	67 09 28 13	70	86	X	X BOTT
KITIMAT ARM	K-9	53 59.3	128 40.5	67 09 28 14	70	82	X	X BOTT
KITIMAT ARM	K-9	53 59.3	128 40.5	67 09 28 14	60	82	X	X BECK
KITIMAT ARM	K-10	53 59.2	128 39.7	67 09 28 14	60	88	X	X BECK
KITIMAT ARM	K-10	53 59.2	128 39.7	67 09 28 15	70	88	X	X BOTT
KITIMAT ARM	K-11	54 01.45	128 37.2	67 09 28 11	35	38	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 67-0014
YEAR:1967 VESSEL/AGENCY: EUROCAN PULP

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						
KITIMAT ARM	PT-A	54 00.0	128 40.0	67 07 11 12	20	22		X	X	BOTT
KITIMAT ARM	PT-C	54 00.0	128 40.0	67 07 09 20	30			X	X	BOTT
KITIMAT ARM	PT-B1	54 00.0	128 40.0	67 07 09 20	25			X	X	BOTT
KITIMAT ARM	PT-B2	54 00.0	128 40.0	67 07 11 11	28	29		X	X	BOTT
KITIMAT ARM	PT-B3	54 00.0	128 40.0	67 07 11 11	30			X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 67-0022
YEAR:1967 VESSEL/AGENCY: ENDEAVOUR

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						

Q. C. SOUND	49	50 55.0	128 40.3	67 9 18 12	60	128	X	X BISS
Q. C. SOUND	50	51 9.8	128 35.5	67 9 18 14	130	153	X	X BISS
Q. C. SOUND	51	51 24.5	128 30.5	67 9 18 15	170	192	X	X BISS
Q. C. SOUND	52	51 40.0	128 25.0	67 9 18 17	125	146	X	X BOTT
Q. C. SOUND	53	51 33.6	128 38.0	67 9 18 19	20	54	X	X BISS
Q. C. SOUND	54	51 27.5	128 49.5	67 9 18 21	70	109	X	X BISS
Q. C. SOUND	55	51 20.5	129 2.0	67 9 18 22	198	237	X	X BISS
Q. C. SOUND	56	51 14.9	129 14.0	67 9 19	236	283	X	X BISS
Q. C. SOUND	69	51 30.5	130 16.5	67 9 20 21	750	822	X	X BISS
Q. C. SOUND	70	51 39.0	130 1.3	67 9 20 23	300	310	X	X BISS
Q. C. SOUND	71	51 50.8	129 34.6	67 9 21 1	230	230	X	X BISS
Q. C. SOUND	72	51 57.5	129 20.4	67 9 21 2	180	201	X	X BISS
HECATE STRAIT	73	52 4.0	129 8.0	67 9 21 3	136	155	X	X BISS
HECATE STRAIT	74	52 10.0	128 55.0	67 9 21 5	100		X	X BISS
HECATE STRAIT	75	52 28.0	129 34.0	67 9 21 7	80		X	X BISS
HECATE STRAIT	76	52 23.3	129 47.5	67 9 21 9	180	228	X	X BISS
HECATE STRAIT	77	52 19.5	130 0.0	67 9 21 10	100	124	X	X BISS
HECATE STRAIT	78	52 10.6	130 16.0	67 9 21 11	450	493	X	X BISS
HECATE STRAIT	79	52 6.1	130 33.8	67 9 21 14	270	283	X	X BISS

HECATE STRAIT	80	52 0.0	130 51.0	67	9 21 15	190	219	X	X BISS
HECATE STRAIT	81	52 54.8	131 18.5	67	9 21 21	70	91	X	X BISS
HECATE STRAIT	82	52 58.7	130 55.0	67	9 21 22	28	36	X	X BISS
HECATE STRAIT	83	53 0.8	130 41.8	67	9 21 23	110	128	X	X BISS
HECATE STRAIT	84	53 3.2	130 24.2	67	9 22	170	192	X	X BISS
HECATE STRAIT	85	53 5.1	130 11.7	67	9 22 1	165	173	X	X BISS
HECATE STRAIT	86	53 19.0	131 38.0	67	9 22 6	16	21	X	X BISS
HECATE STRAIT	87	53 23.3	131 22.0	67	9 22 7	28	31	X	X BISS
HECATE STRAIT	88	53 28.1	131 8.0	67	9 22 9	30	38	X	X BISS
HECATE STRAIT	89	53 32.2	130 52.0	67	9 22 10	70	80	X	X BISS
DIXON ENTRANCE	90	54 10.8	131 2.5	67	9 24 19	80	109	X	X BISS
DIXON ENTRANCE	91	54 9.4	131 15.0	67	9 24 20	18	23	X	X BISS
DIXON ENTRANCE	92	54 8.6	131 23.2	67	9 24 21	20	25	X	X BISS
DIXON ENTRANCE	93	54 7.4	131 32.0	67	9 24 22	15	20	X	X BISS
DIXON ENTRANCE	94	54 13.4	131 45.0	67	9 25	100	113	X	X BISS
DIXON ENTRANCE	95	54 19.5	131 47.7	67	9 25 1	184	201	X	X BISS
DIXON ENTRANCE	96	54 25.8	131 51.5	67	9 25 2	250	274	X	X BISS
DIXON ENTRANCE	97	54 33.0	131 55.0	67	9 25 3	270	283	X	X BISS
DIXON ENTRANCE	98	54 36.7	131 58.0	67	9 25 4	200	219	X	X BISS
DIXON ENTRANCE	99	54 35.5	132 45.0	67	9 25 6	264	281	X	X BISS
DIXON ENTRANCE	100	54 29.5	132 50.6	67	9 25	300	365	X	X BISS
DIXON ENTRANCE	101	54 23.0	132 56.5	67	9 25	200	219	X	X BISS
DIXON ENTRANCE	102	54 18.4	133 00.9	67	9 25	300	438	X	X BISS

BOTTLE/CTD DATA SET NUMBER: 67-0023
YEAR: 1967 VESSEL/AGENCY: VELELLA

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)		(M)		C S T		
BURKE CHANNEL	1	52 23.2	126 47.5	67 04 08	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 04 12	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 04 12	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 04 13	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 04 13	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 04 14	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 04 14	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 04 17	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 04 21	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 04 21	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 04 24	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 04 27	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 04 27	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 05 01	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 05 01	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 05 06	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 05 06	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 05 08	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 05 08	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 05 16	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 05 16	50		X	X	CTD
BURKE CHANNEL	1	52 23.2	126 47.5	67 05 23	50		X	X	CTD
BURKE CHANNEL	2			67 04 21	50		X	X	CTD
BURKE CHANNEL	2			67 04 27	50		X	X	CTD
BURKE CHANNEL	2			67 05 01	50		X	X	CTD
BURKE CHANNEL	2			67 05 06	50		X	X	CTD
BURKE CHANNEL	2			67 05 08	50		X	X	CTD
BURKE CHANNEL	2			67 05 16	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 47.5	67 04 21	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 47.5	67 04 27	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 47.5	67 05 01	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 47.5	67 05 06	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 47.5	67 05 08	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 47.5	67 05 16	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 47.5	67 05 16	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 47.5	67 05 23	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 50.1	67 04 08	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 50.1	67 04 12	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 50.1	67 04 12	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 50.1	67 04 13	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 50.1	67 04 13	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 50.1	67 04 14	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 50.1	67 04 14	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 50.1	67 04 17	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 50.1	67 04 21	50		X	X	CTD
BURKE CHANNEL	3	52 22.7	126 50.1	67 04 27	50		X	X	CTD

BURKE CHANNEL	20	52 19.9	127 08.6	67 05 08	50	X	X CTD
BURKE CHANNEL	20	52 19.9	127 08.6	67 05 16	50	X	X CTD
BURKE CHANNEL	20	52 19.9	127 08.6	67 05 23	50	X	X CTD
BURKE CHANNEL	21			67 04 19	50	X	X CTD
BURKE CHANNEL	21			67 04 21	50	X	X CTD
BURKE CHANNEL	21			67 04 27	50	X	X CTD
BURKE CHANNEL	21			67 05 23	50	X	X CTD
BURKE CHANNEL	22			67 04 19	50	X	X CTD
BURKE CHANNEL	22			67 04 21	50	X	X CTD
BURKE CHANNEL	22			67 04 27	50	X	X CTD
BURKE CHANNEL	22			67 05 23	50	X	X CTD
BURKE CHANNEL	23			67 04 19	50	X	X CTD
BURKE CHANNEL	23			67 04 21	50	X	X CTD
BURKE CHANNEL	23			67 04 27	50	X	X CTD
BURKE CHANNEL	23			67 05 23	50	X	X CTD
BURKE CHANNEL	23	52 19.6	127 10.5	67 04 13	50	X	X CTD
BURKE CHANNEL	23	52 19.6	127 10.5	67 04 24	50	X	X CTD
BURKE CHANNEL	24			67 04 21	50	X	X CTD
BURKE CHANNEL	24			67 05 23	50	X	X CTD
BURKE CHANNEL	25	52 18.9	127 10.6	67 04 21	50	X	X CTD
BURKE CHANNEL	25	52 18.9	127 10.6	67 05 13		X	X CTD
BURKE CHANNEL	25	52 18.9	127 10.6	67 05 23	50	X	X CTD
BURKE CHANNEL	26	52 18.2	127 12.8	67 04 13	50	X	X CTD
BURKE CHANNEL	26	52 18.2	127 12.8	67 04 24		X	X CTD
BURKE CHANNEL	26	52 19.1	127 11.4	67 04 21	50	X	X CTD
BURKE CHANNEL	26	52 19.1	127 11.4	67 05 13		X	X CTD
BURKE CHANNEL	26	52 19.1	127 11.4	67 05 23		X	X CTD
BURKE CHANNEL	26	52 19.1	127 11.4	67 05 23	50	X	X CTD
BURKE CHANNEL	27	52 11.3	127 26.3	67 04 24		X	X CTD
BURKE CHANNEL	27	52 19.5	127 12.4	67 05 13		X	X CTD
BURKE CHANNEL	28	52 07.9	127 36.7	67 04 24		X	X CTD
BURKE CHANNEL	28	52 17.7	127 13.4	67 05 12		X	X CTD
BURKE CHANNEL	29	51 58.0	127 40.3	67 04 24		X	X CTD
BURKE CHANNEL	29	52 14.8	127 20.4	67 05 12		X	X CTD
BURKE CHANNEL	30	51 54.4	127 54.7	67 04 24		X	X CTD
BURKE CHANNEL	30	52 12.0	127 28.4	67 05 12		X	X CTD
BURKE CHANNEL	31	52 25.2	127 13.5	67 04 24		X	X CTD
BURKE CHANNEL	31	52 25.5	127 13.5	67 05 13		X	X CTD
BURKE CHANNEL	32	52 25.2	127 12.4	67 04 24		X	X CTD
BURKE CHANNEL	32	52 25.5	127 12.4	67 05 13		X	X CTD
BURKE CHANNEL	33	52 25.2	127 11.3	67 04 24		X	X CTD
BURKE CHANNEL	33	52 25.2	127 11.3	67 05 13		X	X CTD
BURKE CHANNEL	34	52 23.4	127 13.8	67 04 24		X	X CTD
BURKE CHANNEL	36	52 17.8	127 14.0	67 05 23		X	X CTD
BURKE CHANNEL	37	52 14.7	127 20.4	67 05 23		X	X CTD
BURKE CHANNEL	38	52 12.3	127 27.0	67 05 23		X	X CTD
BURKE CHANNEL	39	52 09.4	127 33.0	67 05 23		X	X CTD
BURKE CHANNEL	40	52 07.1	127 37.5	67 05 23		X	X CTD
BURKE CHANNEL	41	52 02.2	127 40.0	67 05 23		X	X CTD
BURKE CHANNEL	43	51 56.8	127 47.0	67 05 23		X	X CTD
BURKE CHANNEL	44	51 56.1	127 51.4	67 05 23		X	X CTD
BURKE CHANNEL	45	51 55.6	127 50.9	67 05 23		X	X CTD
BURKE CHANNEL	46	51 55.1	127 50.5	67 05 23		X	X CTD
BURKE CHANNEL	47	51 56.0	127 54.6	67 05 23		X	X CTD
BURKE CHANNEL	48	51 56.0	127 55.9	67 05 23		X	X CTD
BURKE CHANNEL	49	51 56.0	127 57.4	67 05 23		X	X CTD
BURKE CHANNEL	50	51 45.7	127 59.6	67 05 23		X	X CTD
BURKE CHANNEL	51	51 45.7	127 56.1	67 05 23		X	X CTD
BURKE CHANNEL	52	51 45.7	127 52.9	67 05 23		X	X CTD
BURKE CHANNEL	D1	52 30.2	127 15.6	67 04 26		X	X CTD
BURKE CHANNEL	D1	52 30.2	127 15.6	67 05 13		X	X CTD
BURKE CHANNEL	D2	52 30.2	127 14.8	67 04 26		X	X CTD
BURKE CHANNEL	D2	52 30.2	127 14.8	67 05 13		X	X CTD
BURKE CHANNEL	D3	52 30.2	127 14.2	67 04 26		X	X CTD
BURKE CHANNEL	D3	52 30.2	127 14.2	67 05 13		X	X CTD
BURKE CHANNEL	D4	52 24.7	127 18.4	67 05 13		X	X CTD
BURKE CHANNEL	D5	52 25.1	127 18.9	67 05 13		X	X CTD
BURKE CHANNEL	D6	52 25.5	127 19.5	67 05 13		X	X CTD
BURKE CHANNEL	18N	52 19.9	127 05.0	67 05 13		X	X CTD
BURKE CHANNEL	18S	52 18.2	127 05.0	67 05 13		X	X CTD
BURKE CHANNEL	42a	51 57.9	127 42.3	67 05 23		X	X CTD
BURKE CHANNEL	42b	51 57.9	127 41.3	67 05 23		X	X CTD
BURKE CHANNEL	42c	51 57.9	127 40.4	67 05 23		X	X CTD
BURKE CHANNEL	LBI	52 26.4	127 15.9	67 05 05		X	X CTD
BURKE CHANNEL	LB2	52 26.7	127 15.2	67 05 05		X	X CTD
BURKE CHANNEL	LB3	52 27.0	127 14.5	67 05 05		X	X CTD
BURKE CHANNEL	SB1	52 15.9	126 57.2	67 04 26		X	X CTD
BURKE CHANNEL	SB2	52 16.1	126 56.7	67 04 26		X	X CTD
BURKE CHANNEL	SB3	52 16.5	126 56.3	67 04 26		X	X CTD
BURKE CHANNEL	SB4	52 10.8	126 53.1	67 04 26		X	X CTD
BURKE CHANNEL	SB5	52 09.4	126 50.1	67 04 26		X	X CTD
BURKE CHANNEL	SB5	52 09.4	126 50.1	67 04 26		X	X CTD
BURKE CHANNEL	SB6	52 04.3	126 43.6	67 04 26		X	X CTD

BOTTLE/CTD DATA SET NUMBER: 67-0026
YEAR:1967 VESSEL/AGENCY: T.T.THOMPSON

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					

DIXON ENTRANCE 54 20.0 133 01.5 67 02 14 03 453 457 X X BOTT

BOTTLE/CTD DATA SET NUMBER: 68-0011A
YEAR:1968 VESSEL/AGENCY: VECTOR

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					

BELIZE/SEYMOUR	24	51	8.2	127	8.3	68	5 27	1	248 265 X X BOTT
BELIZE/SEYMOUR	25	51	6.7	127	2.1	68	5 27	2	299 337 X X BOTT
BELIZE/SEYMOUR	26	51	6.5	126	56.8	68	5 27	3	298 326 X X BOTT
BELIZE/SEYMOUR	27	51	7.8	127	25.1	68	5 27	10	175 205 X X BOTT
BELIZE/SEYMOUR	28	51	8.0	127	30.5	68	5 27	11	150 198 X X BOTT
BELIZE/SEYMOUR	29	51	3.0	127	14.2	68	5 27	14	400 483 X X BOTT
BELIZE/SEYMOUR	30	51	4.3	127	0.2	68	5 27	15	400 475 X X BOTT
BELIZE/SEYMOUR	31	51	6.4	126	46.8	68	5 27	17	196 247 X X BOTT
BELIZE/SEYMOUR	32	51	11.0	126	38.5	68	5 27	18	100 104 X X BOTT
BELIZE/SEYMOUR	33	51	9.0	126	39.5	68	5 27	18	349 373 X X BOTT
BELIZE/SEYMOUR	34	51	3.5	127	8.0	68	5 27	20	500 556 X X BOTT
BELIZE/SEYMOUR	35	51	3.5	127	23.5	68	5 27	22	75 95 X X BOTT

BOTTLE/CTD DATA SET NUMBER: 68-0011B
YEAR:1968 VESSEL/AGENCY: VECTOR

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					

BELIZE INLET	10	51	7.0	127	3.5	68	7 16	15	300 337 X X BOTT
SEYMOUR INLET	11	51	3.5	127	6.5	68	7 17	1	500 549 X X BOTT

BOTTLE/CTD DATA SET NUMBER: 68-0012
YEAR:1968 VESSEL/AGENCY: CEDARWOOD

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					

DIXON ENTRANCE	5	54	51.8	131	04.2	68	09	19	234 234 X X
DIXON ENTRANCE	6	54	41.7	131	09.2	68	09	19	258 258 X X
DIXON ENTRANCE	7	54	42.7	131	39.4	68	09	19	234 238 X X
DIXON ENTRANCE	8	54	43.9	131	42.5	68	09	19	302 420 X X
DIXON ENTRANCE	9	54	47.8	131	53.3	68	09	20	353 375 X X
DIXON ENTRANCE	10	54	58.0	131	48.0	68	09	20	395 399 X X

BOTTLE/CTD DATA SET NUMBER: 68-0022
YEAR:1968 VESSEL/AGENCY: LAYMORE

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					
HECATE STRAIT	49	51 59.8	130 50.5	68 4 25 14	222	228	X	X	BISS
HECATE STRAIT	50	52 11.0	130 33.0	68 4 25 16	250	265	X	X	BISS
HECATE STRAIT	51	52 13.0	130 17.0	68 4 25 17	365	384	X	X	BISS
HECATE STRAIT	52	52 24.0	129 55.0	68 4 25 19	170	182	X	X	BISS
HECATE STRAIT	53	52 23.0	129 46.0	68 4 25 21	210	219	X	X	BISS
HECATE STRAIT	54	52 28.0	129 34.0	68 4 25 22	120	126	X	X	BISS
HECATE STRAIT	55	52 10.0	128 53.0	68 4 26 1	150	182	X	X	BISS
HECATE STRAIT	56	52 4.0	129 8.0	68 4 26 3	140	149	X	X	BISS
Q. C. SOUND	57	51 58.0	129 21.0	68 4 26 5	194	201	X	X	BISS
Q. C. SOUND	58	51 51.0	129 35.0	68 4 26 6	160	246	X	X	BISS
Q. C. SOUND	59	51 38.0	130 0.0	68 4 26 8	300	332	X	X	BISS
Q. C. SOUND	60	51 31.0	130 17.0	68 4 26 11	750	1335	X	X	BISS
Q. C. SOUND	71	51 15.0	129 11.0	68 4 28	267	274	X	X	BISS
Q. C. SOUND	72	51 21.5	129 2.5	68 4 28 1	212	219	X	X	BISS
Q. C. SOUND	73	51 27.5	128 49.5	68 4 28 2	60	58	X	X	BISS
Q. C. SOUND	74	51 34.0	128 31.0	68 4 28 4	30	36	X	X	BISS
Q. C. SOUND	75	51 40.0	128 26.0	68 4 28 5	132	138	X	X	BISS
Q. C. SOUND	76	51 24.0	128 30.0	68 4 28 7	164	182	X	X	BISS

BOTTLE/CTD DATA SET NUMBER: 68-0024
YEAR:1968 VESSEL/AGENCY: ENDEAVOUR

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					
Q. C. SOUND	68	50 57.7	128 30.0	68 10 10 19	80	91	X	X	BISS
Q. C. SOUND	69	51 0.0	129 0.0	68 10 10 20	70	82	X	X	BISS
Q. C. SOUND	70	51 2.4	129 17.8	68 10 10 22	160	182	X	X	BISS
Q. C. SOUND	92	51 36.8	130 0.0	68 10 12 23	300		X	X	BISS
Q. C. SOUND	93	51 51.0	129 35.0	68 10 13 1	250		X	X	BISS
Q. C. SOUND	94	51 57.7	129 21.0	68 10 13 2	200		X	X	BISS
HECATE STRAIT	95	52 4.0	129 5.0	68 10 13 3	160		X	X	BISS
HECATE STRAIT	96	52 10.0	128 55.0	68 10 13 4	160		X	X	BISS
HECATE STRAIT	97	52 27.5	129 36.0	68 10 13 7	160	146	X	X	BISS
HECATE STRAIT	98	52 23.0	129 48.0	68 10 13 8	210	219	X	X	BISS
HECATE STRAIT	99	52 18.8	130 0.0	68 10 13 9	100	182	X	X	BISS
HECATE STRAIT	100	52 12.5	130 16.5	68 10 13 11	300		X	X	BISS
HECATE STRAIT	101	52 6.0	130 34.0	68 10 13 12	250	274	X	X	BISS
HECATE STRAIT	102	52 20.1	130 36.1	68 10 13 15	160	170	X	X	BISS
HECATE STRAIT	103	52 8.9	130 44.5	68 10 13 16	215	219	X	X	BISS
Q. C. SOUND	104	51 59.2	130 47.4	68 10 13 17	210	219	X	X	BISS

BOTTLE/CTD DATA SET NUMBER: 69-0018
YEAR:1969 VESSEL/AGENCY: VECTOR

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					
B.C. INLETS	18	51 7.7	127 25.0	69 6 1 2	172	221	X	X	BOTT
B.C. INLETS	19	51 7.9	127 17.1	69 6 1 3	246	274	X	X	BOTT
B.C. INLETS	20	51 7.4	127 10.3	69 6 1 12	295	337	X	X	BOTT
B.C. INLETS	21	51 7.1	126 56.5	69 6 1 13	295	335	X	X	BOTT
B.C. INLETS	22	51 7.1	126 56.5	69 6 1 14	246	322	X	X	BOTT
B.C. INLETS	23	51 2.8	127 14.2	69 6 1 18	394	479	X	X	BOTT
B.C. INLETS	24	51 3.1	127 7.2	69 6 1 20	492	564	X	X	BOTT

B.C. INLETS	25	51	4.5	127	0.0	69	6	1	21	492	622	X	X BOTT
B.C. INLETS	26	52	14.7	127	47.5	69	6	2	8	394	443	X	X BOTT
B.C. INLETS	27	52	21.8	127	27.6	69	6	2	11	394	457	X	X BOTT
B.C. INLETS	28	52	29.3	127	14.6	69	6	2	13	492	494	X	X BOTT
B.C. INLETS	29	52	38.4	127	0.6	69	6	2	15	393	490	X	X BOTT
B.C. INLETS	30	52	49.8	126	59.7	69	6	2	18	148	166	X	X BOTT
B.C. INLETS	31	52	19.4	127	3.0	69	6	2	22	443	503	X	X BOTT
B.C. INLETS	32	52	22.6	126	51.0	69	6	3		246	260	X	X BOTT
B.C. INLETS	33	52	16.1	127	16.6	69	6	3	14	492	581	X	X BOTT
B.C. INLETS	34	52	12.0	127	28.8	69	6	3	16	492	578	X	X BOTT
B.C. INLETS	35	52	8.2	127	35.0	69	6	3	18	393	439	X	X BOTT
B.C. INLETS	36	52	3.7	127	39.5	69	6	3	19	294	336	X	X BOTT
B.C. INLETS	37	51	54.1	127	56.8	69	6	3	22	295	355	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 69-0030
YEAR:1969 VESSEL/AGENCY: LAYMORE

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
Q. C. SOUND	94	51	9.0	129	22.0	69	4	27	10	264	282	X	X BISS			
Q. C. SOUND	95	51	15.3	129	10.5	69	4	27	11	272	276	X	X BISS			
Q. C. SOUND	96	51	21.5	129	1.0	69	4	27	12	225	236	X	X BISS			
Q. C. SOUND	97	51	27.5	128	50.0	69	4	27	13	105	112	X	X BISS			
Q. C. SOUND	98	51	35.0	128	36.5	69	4	27	14	38	42	X	X BISS			
Q. C. SOUND	99	51	40.0	128	25.5	69	4	27	15	140	143	X	X BISS			
Q. C. SOUND	100	51	44.0	128	18.2	69	4	27	16	136	144	X	X BISS			
HECATE STRAIT	101	52	14.8	128	48.0	69	4	28	2	200	207	X	X BISS			
HECATE STRAIT	102	52	10.5	128	56.0	69	4	28	2	150	166	X	X BISS			
HECATE STRAIT	103	52	5.0	129	8.5	69	4	28	3	130	143	X	X BISS			
Q. C. SOUND	104	51	58.5	129	21.0	69	4	28	4	166	177	X	X BISS			
Q. C. SOUND	105	51	51.5	129	35.0	69	4	28	6	244	254	X	X BISS			
Q. C. SOUND	106	51	45.5	129	48.0	69	4	28	7	290	305	X	X BISS			
Q. C. SOUND	107	51	40.0	129	59.5	69	4	28	8	300	329	X	X BISS			
Q. C. SOUND	108	51	34.5	130	9.8	69	4	28	9	480	505	X	X BISS			
Q. C. SOUND	109	51	32.4	130	14.2	69	4	28	10	500	521	X	X BISS			
HECATE STRAIT	130	51	59.7	130	51.0	69	4	30	5	210	227	X	X BISS			
HECATE STRAIT	131	52	5.7	130	35.0	69	4	30	7	220	227	X	X BISS			
HECATE STRAIT	132	52	11.2	130	16.0	69	4	30	8	400	422	X	X BISS			
HECATE STRAIT	133	52	15.8	130	5.0	69	4	30	9	175	181	X	X BISS			
HECATE STRAIT	134	52	18.0	129	58.0	69	4	30	10	105	110	X	X BISS			
HECATE STRAIT	135	52	20.0	129	52.0	69	4	30	10	184	187	X	X BISS			
HECATE STRAIT	136	52	22.0	129	46.0	69	4	30	11	206	212	X	X BISS			
HECATE STRAIT	137	52	25.0	129	40.0	69	4	30	12	190	196	X	X BISS			
HECATE STRAIT	138	52	26.0	129	35.0	69	4	30	12	135	137	X	X BISS			
HECATE STRAIT	139	52	49.4	129	51.0	69	4	30	15	150	155	X	X BISS			
HECATE STRAIT	140	52	47.0	129	58.0	69	4	30	15	250	260	X	X BISS			
HECATE STRAIT	141	52	44.5	130	5.0	69	4	30	16	250	256	X	X BISS			
HECATE STRAIT	142	52	42.1	130	11.3	69	4	30	16	240	249	X	X BISS			
HECATE STRAIT	143	52	37.2	130	27.0	69	4	30	18	168	170	X	X BISS			
HECATE STRAIT	144	52	34.6	130	33.0	69	4	30	18	144	152	X	X BISS			
HECATE STRAIT	145	52	32.0	130	41.0	69	4	30	19	105	X	X BISS				
HECATE STRAIT	146	52	29.3	130	47.8	69	4	30	19	125	132	X	X BISS			
HECATE STRAIT	147	52	27.9	130	53.0	69	4	30	21	107	113	X	X BISS			
HECATE STRAIT	148	52	24.5	131	3.0	69	4	30	21	113	119	X	X BISS			

BOTTLE/CTD DATA SET NUMBER: 69-0031
YEAR:1969 VESSEL/AGENCY: ENDEAVOUR

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
Q. C. SOUND	79	51	44.0	128	18.0	69	10	10	20	130	X	X BISS				
Q. C. SOUND	80	51	40.0	128	25.0	69	10	10	21	136	X	X BISS				
Q. C. SOUND	81	51	35.0	128	37.0	69	10	10	22	40	40	X	X BISS			
Q. C. SOUND	82	51	27.8	128	48.0	69	10	11	1	75	82	X	X BISS			
Q. C. SOUND	83	51	21.0	129	2.0	69	10	11	1	154	X	X BISS				

Q. C. SOUND	84	51	16.3	129	10.8	69	10	11	2	246	256	X	X BISS
Q. C. SOUND	85	51	10.0	129	22.0	69	10	11	3	280		X	X BISS
Q. C. SOUND	105	51	32.0	130	14.0	69	10	13		825	841	X	X BISS
Q. C. SOUND	106	51	34.9	130	10.2	69	10	13	1	475	502	X	X BISS
Q. C. SOUND	107	51	40.0	130	0.2	69	10	13	2	280	301	X	X BISS
Q. C. SOUND	108	51	45.0	129	48.0	69	10	13	3	300	309	X	X BISS
Q. C. SOUND	109	51	51.0	129	35.1	69	10	13	4	263		X	X BISS
Q. C. SOUND	110	51	58.0	129	21.0	69	10	13	6	200	204	X	X BISS
HECATE STRAIT	111	52	5.0	129	8.0	69	10	13	7	140	146	X	X BISS
HECATE STRAIT	112	52	10.0	128	56.0	69	10	13	8	160	164	X	X BISS
HECATE STRAIT	113	52	15.0	128	48.0	69	10	13	9	170	182	X	X BISS
HECATE STRAIT	114	52	26.0	129	35.0	69	10	13	12	170	182	X	X BISS
HECATE STRAIT	115	52	25.0	129	40.0	69	10	13	13	190	204	X	X BISS
HECATE STRAIT	116	52	22.0	129	45.0	69	10	13	14	198	214	X	X BISS
HECATE STRAIT	117	52	22.0	129	45.0	69	10	13	15	160	164	X	X BISS
HECATE STRAIT	118	52	18.0	129	57.8	69	10	13	16	136	137	X	X BISS
HECATE STRAIT	119	52	16.0	130	5.0	69	10	13	16	270		X	X BISS
HECATE STRAIT	120	52	11.0	130	15.0	69	10	13	18	420	438	X	X BISS
HECATE STRAIT	121	52	6.0	130	35.0	69	10	13	19	208	219	X	X BISS
HECATE STRAIT	122	52	0.0	130	51.0	69	10	13	21	200	210	X	X BISS
HECATE STRAIT	139	52	24.0	131	3.0	69	10	16	3	96	109	X	X BISS
HECATE STRAIT	140	52	28.0	130	55.0	69	10	16	4	96	100	X	X BISS
HECATE STRAIT	141	52	29.0	130	47.8	69	10	16	4	120	128	X	X BISS
HECATE STRAIT	142	52	32.0	130	41.0	69	10	16	5	90	96	X	X BISS
HECATE STRAIT	143	52	33.8	130	33.0	69	10	16	6	140	148	X	X BISS
HECATE STRAIT	144	52	37.0	130	27.0	69	10	16	7	150	155	X	X BISS
HECATE STRAIT	145	52	42.0	130	11.0	69	10	16	8	232	237	X	X BISS
HECATE STRAIT	146	52	45.0	130	6.0	69	10	16	9	250	256	X	X BISS
HECATE STRAIT	147	52	47.0	129	58.0	69	10	16	9	250	256	X	X BISS
HECATE STRAIT	148	52	50.0	129	50.0	69	10	16	10	232	237	X	X BISS

BOTTLE/CTD DATA SET NUMBER: 70-0020A
YEAR:1970 VESSEL/AGENCY: VECTOR

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	(M)								
SEYMOUR INLET	12	51	2.8	127	10.0	70	5	24	15	475	549	X	X BOTT
BELIZE INLET	13	51	7.8	127	16.8	70	5	24	22	240	274	X	X BOTT
SMITH INLET	14	51	17.5	127	20.0	70	5	25	16	325	358	X	X BOTT
Q. C. SOUND	15	51	14.5	129	21.5	70	5	26	2	246	296	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 70-0020B
YEAR:1970 VESSEL/AGENCY: VECTOR

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	(M)					

B.C. INLETS	21	51	54.1	127	56.8	70	6	21	20	300	344	X	X BOTT
B.C. INLETS	22	52	3.7	127	39.4	70	6	21	23	300	351	X	X BOTT
B.C. INLETS	23	52	8.0	127	34.7	70	6	22		399	446	X	X BOTT
B.C. INLETS	24	52	12.0	127	28.8	70	6	22	2	500	600	X	X BOTT
B.C. INLETS	25	52	16.0	127	16.5	70	6	22	4	500	578	X	X BOTT
B.C. INLETS	26	52	19.3	127	2.7	70	6	22	6	300	508	X	X BOTT
B.C. INLETS	27	52	2.6	126	51.1	70	6	22	7	250	315	X	X BOTT
B.C. INLETS	28	52	29.5	127	14.7	70	6	22	11	450	506	X	X BOTT
B.C. INLETS	29	52	38.4	127	0.5	70	6	22	13	400	483	X	X BOTT
B.C. INLETS	30	52	43.9	126	57.1	70	6	22	15	399	457	X	X BOTT
B.C. INLETS	31	52	50.0	126	59.6	70	6	22	16	160	163	X	X BOTT
B.C. INLETS	32	52	22.0	127	27.5	70	6	22	20	399	435	X	X BOTT
B.C. INLETS	33	52	14.6	127	47.3	70	6	22	23	400	431	X	X BOTT
B.C. INLETS	34	52	28.0	127	45.0	70	6	23	3	95	104	X	X BOTT
B.C. INLETS	35	52	27.7	127	51.3	70	6	23	4	140	154	X	X BOTT
B.C. INLETS	36	52	27.8	127	54.0	70	6	23	5	140	143	X	X BOTT
B.C. INLETS	37	52	22.4	127	52.4	70	6	23	6	180	192	X	X BOTT
B.C. INLETS	38	52	19.9	127	55.9	70	6	23	7	180	209	X	X BOTT
B.C. INLETS	39	52	24.8	128	16.3	70	6	23	13	300	314	X	X BOTT

B.C. INLETS	40	52	30.2	128	15.0	70	6	23	14	350	431	X	X BOTT
B.C. INLETS	41	52	36.1	128	13.4	70	6	23	15	450	519	X	X BOTT
B.C. INLETS	42	52	40.6	128	11.2	70	6	23	16	600	631	X	X BOTT
B.C. INLETS	43	52	44.9	128	8.4	70	6	23	18	500	519	X	X BOTT
B.C. INLETS	44	52	45.3	128	1.6	70	6	23	20	400	412	X	X BOTT
B.C. INLETS	45	52	44.5	127	54.8	70	6	23	21	175	181	X	X BOTT
B.C. INLETS	46	52	54.6	128	3.8	70	6	23	23	150	190	X	X BOTT
B.C. INLETS	47	52	50.6	128	10.1	70	6	24	1	250	270	X	X BOTT
B.C. INLETS	48	52	47.5	128	16.6	70	6	24	2	300	340	X	X BOTT
B.C. INLETS	49	52	48.6	128	23.2	70	6	24	3	400	444	X	X BOTT
B.C. INLETS	50	52	41.1	128	27.9	70	6	24	5	500	673	X	X BOTT
B.C. INLETS	51	52	28.5	128	26.5	70	6	24	7	600	699	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 70-0020C
YEAR: 1970 VESSEL/AGENCY: VECTOR

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	(M)	(M)	C S T		
BELIZE INLET	15	51 07.8	127 16.8	70 7 25 6	375	388	X	X	BOTT
SMITH INLET	18	51 18.0	127 17.7	70 7 26 17	340	358	X	X	BOTT
Q. C. SOUND	19	51 14.5	129 21.5	70 7 27 3	250	298	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 70-0031
YEAR: 1970 VESSEL/AGENCY: LAYMORE

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	(M)	(M)	C S T		
Q. C. SOUND	79	51 44.0	128 18.0	70 3 15 5	134	139	X	X	BISS
Q. C. SOUND	80	51 39.3	128 26.0	70 3 15 6	136	146	X	X	BISS
Q. C. SOUND	81	51 34.8	128 36.2	70 3 15 7	116	137	X	X	BISS
Q. C. SOUND	82	51 28.0	128 50.0	70 3 15 8	20	27	X	X	BISS
Q. C. SOUND	83	51 22.0	129 3.0	70 3 15 10	132	146	X	X	BISS
Q. C. SOUND	84	51 16.0	129 14.2	70 3 15 11	80	197	X	X	BISS
Q. C. SOUND	85	51 10.0	129 22.0	70 3 15 13	220	257	X	X	BISS
HECATE STRAIT	93	52 0.0	130 51.0	70 3 17 21	211	237	X	X	BOTT
HECATE STRAIT	94	52 6.2	130 31.3	70 3 17 23	320	321	X	X	BOTT
HECATE STRAIT	95	52 11.8	130 18.4	70 3 18 1	425	438	X	X	BOTT
HECATE STRAIT	96	52 18.4	129 57.5	70 3 18 4	105	109	X	X	BOTT
HECATE STRAIT	97	52 23.0	129 47.5	70 3 18 6	197	219	X	X	BOTT
HECATE STRAIT	98	52 27.8	129 32.0	70 3 18 7	85	87	X	X	BOTT
HECATE STRAIT	99	52 15.0	128 48.0	70 3 18 16	200	210	X	X	BOTT
HECATE STRAIT	100	52 10.0	128 58.8	70 3 18 19	150	164	X	X	BOTT
HECATE STRAIT	101	52 5.0	129 8.3	70 3 18 21	147	148	X	X	BOTT
Q. C. SOUND	102	51 56.0	129 26.0	70 3 18 23	196	210	X	X	BOTT
Q. C. SOUND	103	51 50.0	129 37.8	70 3 19 21	220	223	X	X	BOTT
Q. C. SOUND	104	51 43.5	129 54.5	70 3 19 23	313	325	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 71-0019A
YEAR: 1971 VESSEL/AGENCY: ENDEAVOUR

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	(M)	(M)	C S T		
SMITH INLET	11	51 18.0	127 17.7	71 2 11 21	326	357	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 71-0019B
YEAR:1971 VESSEL/AGENCY: VECTOR

AREA	STN	LAT	LON	DATE				CAST WATER PARAM	INSTR	INT	NO	
				DEG	MIN	DEG	MIN					YR
								(M)	(M)	C	S	T

SEYMORE INLET	1	51	2.8	127	10.0	71	8	18	1	450	512	X	X	BOTT
BELIZE INLET	2	51	7.8	127	13.6	71	8	18	12	300	388	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 71-0037
YEAR:1971 VESSEL/AGENCY: ENDEAVOUR

AREA	STN	LAT	LON	DATE				CAST WATER PARAM	INSTR	INT	NO	
				DEG	MIN	DEG	MIN					YR
								(M)	(M)	C	S	T

Q. C. SOUND	67	50	55.3	128	29.0	71	3	18	8	62	76	X	X	BISS
Q. C. SOUND	68	51	7.2	128	26.5	71	3	18	9	150	164	X	X	BISS
Q. C. SOUND	69	51	16.9	128	26.0	71	3	18	11	109	117	X	X	BISS
Q. C. SOUND	70	51	30.0	128	20.1	71	3	18	12	158	164	X	X	BISS
Q. C. SOUND	71	51	36.0	128	19.7	71	3	18	13	150	157	X	X	BISS
Q. C. SOUND	72	51	30.0	128	32.0	71	3	18	15	183		X	X	BISS
Q. C. SOUND	73	51	25.0	128	43.2	71	3	18	16	198	210	X	X	BISS
Q. C. SOUND	74	51	21.0	128	53.2	71	3	18	17	219	228	X	X	BISS
Q. C. SOUND	75	51	17.0	128	58.0	71	3	18	18	198	215	X	X	BISS
Q. C. SOUND	76	51	11.5	129	14.5	71	3	18	19	217	219	X	X	BISS
Q. C. SOUND	86	51	31.0	130	17.0	71	3	19	16	828	1316	X	X	BISS
Q. C. SOUND	87	51	35.0	130	7.5	71	3	19	17	600	621	X	X	BISS
Q. C. SOUND	88	51	38.4	129	57.0	71	3	19	18	282		X	X	BISS
Q. C. SOUND	89	51	44.8	129	46.0	71	3	19	20	250	270	X	X	BISS
Q. C. SOUND	90	51	50.0	129	35.2	71	3	19	23	170	173	X	X	BISS
Q. C. SOUND	91	51	58.5	129	16.5	71	3	20	1	155	155	X	X	BISS
HECATE STRAIT	92	52	1.5	129	9.5	71	3	20	2	171	173	X	X	BISS
HECATE STRAIT	93	52	5.7	129	0.0	71	3	20	3	200	219	X	X	BISS
HECATE STRAIT	94	52	11.0	128	48.0	71	3	20	4	208	219	X	X	BISS

BOTTLE/CTD DATA SET NUMBER: 72-0025
YEAR:1972 VESSEL/AGENCY: VECTOR

AREA	STN	LAT	LON	DATE				CAST WATER PARAM	INSTR	INT	NO	
				DEG	MIN	DEG	MIN					YR
								(M)	(M)	C	S	T

B.C. INLETS	25	51	54.0	127	56.8	72	6	24	10	300	333	X	X	BOTT
B.C. INLETS	26	51	59.0	127	40.7	72	6	24	13	200	243	X	X	BOTT
B.C. INLETS	27	52	8.1	127	34.8	72	6	24	14	400	446	X	X	BOTT
B.C. INLETS	28	52	12.5	127	28.2	72	6	24	16	500	600	X	X	BOTT
B.C. INLETS	29	52	15.9	127	16.7	72	6	24	18	499	593	X	X	BOTT
B.C. INLETS	30	52	19.4	127	2.9	72	6	24	20	400	523	X	X	BOTT
B.C. INLETS	31	52	22.7	126	50.9	72	6	24	23	249	302	X	X	BOTT
B.C. INLETS	32	52	9.3	126	49.6	72	6	25	2	250	294	X	X	BOTT
B.C. INLETS	33	52	29.4	127	14.6	72	6	25	6	450	510	X	X	BOTT
B.C. INLETS	34	52	38.3	127	0.6	72	6	25	8	400	497	X	X	BOTT
B.C. INLETS	35	52	49.8	126	59.7	72	6	25	11	150	168	X	X	BOTT
B.C. INLETS	36	52	22.0	127	27.6	72	6	25	17	399	441	X	X	BOTT
B.C. INLETS	37	52	14.8	127	47.2	72	6	25	20	400	439	X	X	BOTT
B.C. INLETS	38	52	28.0	127	45.0	72	6	26	1	94	104	X	X	BOTT
B.C. INLETS	39	52	29.8	127	51.3	72	6	26	2	145	155	X	X	BOTT
B.C. INLETS	40	52	27.7	127	54.1	72	6	26	3	150	176	X	X	BOTT
B.C. INLETS	41	52	22.5	127	52.5	72	6	26	4	180	198	X	X	BOTT
B.C. INLETS	42	52	19.8	127	56.0	72	6	26	6	180	190	X	X	BOTT
B.C. INLETS	43	52	30.2	128	15.0	72	6	26	11	400	413	X	X	BOTT
B.C. INLETS	44	52	36.1	128	13.4	72	6	26	13	450	523	X	X	BOTT

B.C. INLETS	45	52 40.5	128 11.3	72	6 26 15	599	633	X	X BOTT
B.C. INLETS	46	52 45.4	128 1.9	72	6 26 17	350	421	X	X BOTT
B.C. INLETS	47	52 44.4	127 54.7	72	6 26 18	185	192	X	X BOTT
B.C. INLETS	48	52 54.5	128 4.3	72	6 26 20	150	199	X	X BOTT
B.C. INLETS	49	52 47.4	128 16.8	72	6 26 23	300	338	X	X BOTT
B.C. INLETS	50	52 48.6	128 23.2	72	6 27	400	443	X	X BOTT
B.C. INLETS	51	52 41.1	128 27.9	72	6 27 2	500	673	X	X BOTT
B.C. INLETS	52	52 29.0	128 26.5	72	6 27 5	599	680	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 72-0026
YEAR:1972 VESSEL/AGENCY: LAYMORE, PEI

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					
KITIMAT	54 0.	128 40.		72 06				X	BOTT
KITIMAT	54 0.	128 40.		72 07				X	BOTT
KITIMAT	54 0.	128 40.		72 08				X	BOTT

BOTTLE/CTD DATA SET NUMBER: 72-0036B
YEAR:1972 VESSEL/AGENCY: LAYMORE

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					
COUSINS INLET	0-10	52 21.4	127 42.4	72 12 03	45	46	X	BOTT	
COUSINS INLET	0-11	52 21.4	127 41.7	72 12 03	26	27	X	BOTT	
COUSINS INLET	0-12	52 21.1	127 41.7	72 12 03	27	28	X	BOTT	
COUSINS INLET	0-13	52 20.1	127 41.7	72 12 03	30	31	X	BOTT	
COUSINS INLET	0-14	52 21.5	127 41.2	72 12 03	10	11	X	BOTT	
COUSINS INLET	0-3			72 12 03	490	491	X	BOTT	
COUSINS INLET	0-3B	52 16.8	127 46.0	72 12 03	110	111	X	BOTT	
COUSINS INLET	0-4	52 17.2	127 45.8	72 12 03	75	76	X	BOTT	
COUSINS INLET	0-4A	52 17.5	127 45.8	72 12 03	91	92	X	BOTT	
COUSINS INLET	0-5	52 18.9	127 45.2	72 12 03	74	75	X	BOTT	
COUSINS INLET	0-7	52 20.7	127 43.9	72 12 03	70	71	X	BOTT	
COUSINS INLET	0-8	52 21.3	127 43.2	72 12 03	50	51	X	BOTT	
COUSINS INLET	0-9	52 21.4	127 42.9	72 12 03	57	58	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 73-0024
YEAR:1973 VESSEL/AGENCY: LAYMORE, PEI

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					
KITIMAT	54 00.	128 40.		73 06 *				X	BOTT

* Nominal date & location

BOTTLE/CTD DATA SET NUMBER: 73-0029
YEAR:1973 VESSEL/AGENCY: LAYMORE

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO	WATER DEPTH	PARAM MEAS	INSTR HR	INT NO
		(M)	(M)	C S T					
SWANSON BAY	A	53 00.4	128 31.2	73 04 02	0	191		X BUCK	
SWANSON BAY	B	53 00.3	128 31.1	73 04 02	0	146		X BUCK	
SWANSON BAY	C	53 00.3	128 30.9	73 04 02	0	155		X BUCK	
SWANSON BAY	D	53 00.6	128 31.2	73 04 02	0	182		X BUCK	
SWANSON BAY	E	53 00.5	128 31.1	73 04 02	0	85		X BUCK	
SWANSON BAY	F	53 00.5	128 30.9	73 04 02	0	96		X BUCK	
SWANSON BAY	G	53 00.4	128 30.8	73 04 02	0	66		X BUCK	
SWANSON BAY	H	53 00.7	128 30.9	73 04 02	0	63		X BUCK	
SWANSON BAY	I	53 00.6	128 30.8	73 04 02	0	61		X BUCK	
SWANSON BAY	J	53 00.6	128 30.6	73 04 02	0	61		X BUCK	
SWANSON BAY	K	53 00.9	128 30.8	73 04 02	0	46		X BUCK	
SWANSON BAY	L	53 00.8	128 30.6	73 04 02	0	30		X BUCK	
SWANSON BAY	M	53 00.8	128 30.5	73 04 02	0	38		X BUCK	
SWANSON BAY	N	53 00.7	128 30.3	73 04 02	0	31		X BUCK	

BOTTLE/CTD DATA SET NUMBER: 73-0031A
YEAR:1973 VESSEL/AGENCY: POLL.CTL.BR.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO	WATER DEPTH	PARAM MEAS	INSTR HR	INT NO
		(M)	(M)	C S T					
PRINCE RUPERT	L1	54 19.7	130 17.4	73 04 09 10	0		X	X BECK	
PRINCE RUPERT	L2	54 19.3	130 18.5	73 04 09 10	0		X	X BECK	
PRINCE RUPERT	L3	54 18.7	130 19.4	73 04 09 11	0		X	X BECK	
PRINCE RUPERT	L4	54 18.3	130 20.2	73 04 09 11	0		X	X BECK	
PRINCE RUPERT	L5	54 17.5	130 20.6	73 04 09 11	0		X	X BECK	
PRINCE RUPERT	L6	54 13.7	130 19.1	73 04 11 10	0		X	X BECK	
PRINCE RUPERT	L7	54 13.8	130 19.3	73 04 11 10	0		X	X BECK	
PRINCE RUPERT	L8	54 13.6	130 19.3	73 04 11 10	0		X	X BECK	
PRINCE RUPERT	L9	54 13.5	130 19.3	73 04 11 10	0		X	X BECK	
PRINCE RUPERT	P1	54 20.6	130 16.6	73 04 09 09	30		X	X BECK	
PRINCE RUPERT	P2	54 18.4	130 21.1	73 04 09 13	30		X	X BECK	
PRINCE RUPERT	P3	54 16.7	130 21.2	73 04 10 14	30		X	X BECK	
PRINCE RUPERT	P4	54 13.7	130 20.4	73 04 11 09	30		X	X BECK	
PRINCE RUPERT	P5	54 13.4	130 21.75	73 04 11 09	30		X	X BECK	
PRINCE RUPERT	P9	54 12.0	130 17.1	73 04 10 13	10		X	X BECK	
PRINCE RUPERT	P11	54 13.4	130 17.4	73 04 10 13	10		X	X BECK	
PRINCE RUPERT	P14	54 14.4	130 17.9	73 04 10 12	10		X	X BECK	
PRINCE RUPERT	P15	54 14.7	130 16.3	73 04 10 11	30		X	X BECK	
PRINCE RUPERT	P18	54 15.35	130 15.6	73 04 10 11	20		X	X BECK	
PRINCE RUPERT	P20	54 16.05	130 14.3	73 04 10 10	30		X	X BECK	

BOTTLE/CTD DATA SET NUMBER: 73-0031B
YEAR:1973 VESSEL/AGENCY: POLL.CTL.BR.

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO	WATER DEPTH	PARAM MEAS	INSTR HR	INT NO
		(M)	(M)	C S T					
PRINCE RUPERT	L1	54 19.7	130 17.4	73 07 10 12	0		X	X BECK	
PRINCE RUPERT	L2	54 19.3	130 18.5	73 07 10 12	0		X	X BECK	
PRINCE RUPERT	L3	54 18.7	130 19.4	73 07 10 12	0		X	X BECK	
PRINCE RUPERT	L4	54 18.3	130 20.2	73 07 10 13	0		X	X BECK	
PRINCE RUPERT	L5	54 17.5	130 20.6	73 07 10 13	0		X	X BECK	
PRINCE RUPERT	P1	54 20.6	130 16.6	73 07 10 11	30		X	X BECK	
PRINCE RUPERT	P2	54 18.4	130 21.1	73 07 10 14	30		X	X BECK	

PRINCE RUPERT	P3	54 16.7	130 21.2	73 07 10 13	30	X	X BECK
PRINCE RUPERT	P4	54 13.7	130 20.4	73 07 12 09	30	X	X BECK
PRINCE RUPERT	P5	54 13.4	130 21.75	73 07 12 09	30	X	X BECK
PRINCE RUPERT	P7	54 11.7	130 19.4	73 07 11 13	30	X	X BECK
PRINCE RUPERT	P9	54 12.0	130 17.1	73 07 11 12	10	X	X BECK
PRINCE RUPERT	P11	54 13.4	130 17.4	73 07 11 11	10	X	X BECK
PRINCE RUPERT	P14	54 14.4	130 17.9	73 07 11 11	10	X	X BECK
PRINCE RUPERT	P15	54 14.7	130 16.3	73 07 11 10	30	X	X BECK
PRINCE RUPERT	P18	54 15.35	130 15.6	73 07 11 10	20	X	X BECK
PRINCE RUPERT	P20	54 16.05	130 14.3	73 07 11 09	30	X	X BECK

BOTTLE/CTD DATA SET NUMBER: 73-0031C
YEAR: 1973 VESSEL/AGENCY: POLL.CTL.BR.

AREA	STN	LAT	LON	DATE	CAST	WATER	PARAM	INSTR	INT NO
		DEG MIN	DEG MIN	YR MO DY HR	TO	DEPTH	MEAS	HR	(M)
PRINCE RUPERT	L1	54 19.7	130 17.4	73 10 24 12	0			X	X BECK
PRINCE RUPERT	L2	54 19.3	130 18.5	73 10 24 12	0			X	X BECK
PRINCE RUPERT	L3	54 18.7	130 19.4	73 10 24 12	0			X	X BECK
PRINCE RUPERT	L4	54 18.3	130 20.2	73 10 24 12	0			X	X BECK
PRINCE RUPERT	L5	54 17.5	130 20.6	73 10 24 13	0			X	X BECK
PRINCE RUPERT	P1	54 20.6	130 16.6	73 10 24 11	30			X	X BECK
PRINCE RUPERT	P2	54 18.4	130 21.1	73 10 25 10	30			X	X BECK
PRINCE RUPERT	P3	54 16.7	130 21.2	73 10 24 13	30			X	X BECK
PRINCE RUPERT	P4	54 13.7	130 20.4	73 10 24 13	30			X	X BECK
PRINCE RUPERT	P5	54 13.4	130 21.75	73 10 24 14	30			X	X BECK
PRINCE RUPERT	P7	54 11.7	130 19.4	73 10 24 14	30			X	X BECK
PRINCE RUPERT	P9	54 12.0	130 17.1	73 10 25 10	10			X	X BECK
PRINCE RUPERT	P11	54 13.4	130 17.4	73 10 25 09	10			X	X BECK
PRINCE RUPERT	P14	54 14.4	130 17.9	73 10 25 09	10			X	X BECK
PRINCE RUPERT	P15	54 14.7	130 16.3	73 10 24 09	30			X	X BECK
PRINCE RUPERT	P18	54 15.35	130 15.6	73 10 24 10	20			X	X BECK
PRINCE RUPERT	P20	54 16.05	130 14.3	73 10 24 10	30	X		X	X BECK

BOTTLE/CTD DATA SET NUMBER: 73-0049
YEAR: 1973 VESSEL/AGENCY: FISH.&OC.

AREA	STN	LAT	LON	DATE	CAST	WATER	PARAM	INSTR	INT NO
		DEG MIN	DEG MIN	YR MO DY HR	TO	DEPTH	MEAS	HR	(M)
N.BENTINCK ARM		52 23.3	126 47.3	73 10 26	60			X X	

BOTTLE/CTD DATA SET NUMBER: 74-0040A
YEAR: 1974 VESSEL/AGENCY: EPS

AREA	STN	LAT	LON	DATE	CAST	WATER	PARAM	INSTR	INT NO
		DEG MIN	DEG MIN	YR MO DY HR	TO	DEPTH	MEAS	HR	(M)
PORPOISE HARB.	FB-1	54 11.75	130 18.78	74 07 09 19	15			X X	BOTT
PORPOISE HARB.	P-12	54 13.23	130 17.64	74 07 09 20	20			X X	BOTT
PORPOISE HARB.	P-17	54 17.10	130 16.80	74 07 10 02	25			X X	BOTT
PORPOISE HARB.	P-18	54 14.21	130 18.24	74 07 09 22	15			X X	BOTT
PORPOISE HARB.	P-20	54 12.13	130 18.32	74 07 09 19	24			X X	BOTT
PORPOISE HARB.	PH-1	54 14.69	130 18.24	74 07 09 23	15			X X	BOTT

BOTTLE/CTD DATA SET NUMBER: 74-0040B
 YEAR:1974 VESSEL/AGENCY: EPS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS	INSTR HR	INT NO C S T
CHATHAM SOUND	CS-1	54 12.25	130 20.02	74 08 06 19		10		X X	BOTT
CHATHAM SOUND	CS-1	54 12.25	130 20.02	74 08 08 04		10		X X	BOTT
CHATHAM SOUND	CS-2	54 13.15	130 20.3	74 08 06 20		10		X X	BOTT
CHATHAM SOUND	CS-2	54 13.15	130 20.3	74 08 08 04		10		X X	BOTT
CHATHAM SOUND	CS-3	54 14.01	130 20.3	74 08 06 22		10		X X	BOTT
CHATHAM SOUND	CS-3	54 14.01	130 20.3	74 08 08 02		10		X X	BOTT
CHATHAM SOUND	CS-4	54 14.7	130 19.79	74 08 06 22		20		X X	BOTT
CHATHAM SOUND	CS-4	54 14.7	130 19.79	74 08 08 01		20		X X	BOTT
CHATHAM SOUND	CS-5	54 13.14	130 20.92	74 08 06 20		30		X X	BOTT
CHATHAM SOUND	CS-5	54 13.14	130 20.92	74 08 08 04		30		X X	BOTT
CHATHAM SOUND	CS-6	54 14.0	130 20.92	74 08 06 23		40		X X	BOTT
CHATHAM SOUND	CS-6	54 14.0	130 20.92	74 08 08 04		40		X X	BOTT
CHATHAM SOUND	CS-7	54 14.68	130 20.99	74 08 06 22		40		X X	BOTT
CHATHAM SOUND	CS-7	54 14.68	130 20.99	74 08 08 01		40		X X	BOTT
PORPOISE HARB.	DC-1	54 14.15	130 20.02	74 08 06 21		2		X X	BOTT
PORPOISE HARB.	DC-1	54 14.15	130 20.02	74 08 08 02		2		X X	BOTT
PORPOISE HARB.	FB-1	54 11.79	130 18.78	74 08 07 18		15		X X	BOTT
PORPOISE HARB.	P-12	54 13.23	130 17.64	74 08 07 19		15		X X	BOTT
PORPOISE HARB.	P-18	54 14.21	130 18.24	74 08 07 20		15		X X	BOTT
PORPOISE HARB.	P-20	54 12.13	130 18.32	74 08 07 19		20		X X	BOTT
PORPOISE HARB.	PH-1	54 14.69	130 18.24	74 08 07 20		10		X X	BOTT

BOTTLE/CTD DATA SET NUMBER: 74-0041
 YEAR:1974 VESSEL/AGENCY: LAYMORE

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS	INSTR HR	INT NO C S T
COUSINS INLET	O-10	52 21.4	127 42.4	74 08 01		45	46	X	X BOTT
COUSINS INLET	O-12	52 21.1	127 41.7	74 08 01		27	28	X	X BOTT
COUSINS INLET	O-13	52 20.1	127 41.7	74 08 01		30	31	X	X BOTT
COUSINS INLET	O-3			74 08 01		490	491	X	X BOTT
COUSINS INLET	O-4	52 17.2	127 45.8	74 08 01		75	76	X	X BOTT
COUSINS INLET	O-5	52 18.9	127 45.2	74 08 01		74	75	X	X BOTT
COUSINS INLET	O-6	52 19.9	127 44.5	74 08 01				X	X BOTT
COUSINS INLET	O-7	52 20.7	127 43.9	74 08 01		70	71	X	X BOTT
COUSINS INLET	O-9	52 21.4	127 42.9	74 08 01		57	58	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 74-0042
 YEAR:1974 VESSEL/AGENCY: DOBROCKY

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO (M)	WATER DEPTH (M)	PARAM MEAS	INSTR HR	INT NO C S T
ALICE ARM	Z-7			74 06 24		250		X X	
ALICE ARM	F-15	55 27.02	129 38.05	74 06 27		300	371	X X	

BOTTLE/CTD DATA SET NUMBER: 74-0043
 YEAR:1974 VESSEL/AGENCY: DOBROCKY

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER PARAM MEAS	INSTR HR	INT NO C S T
PRINCE RUPERT	P-0	54 23.2	130 15.0	74 10 22	45		X	X HYDR
PRINCE RUPERT	P-1	54 20.3	130 16.9	74 10 22	50		X	X HYDR
PRINCE RUPERT	P-2	54 18.4	130 21.5	74 10 22	45		X	X HYDR
PRINCE RUPERT	P-3	54 17.5	130 21.9	74 10 22	40		X	X HYDR
PRINCE RUPERT	P-4	54 14.9	130 20.8	74 10 22	40		X	X HYDR
PRINCE RUPERT	P-5	54 13.3	130 24.0	74 10 22	45		X	X HYDR
PRINCE RUPERT	P-7	54 12.5	130 20.0	74 10 22	30		X	X HYDR
PORT SIMPSON	S-1	54 35.4	130 29.0	74 11 06	75		X	X HYDR
PORT SIMPSON	S-2	54 35.4	130 27.0	74 11 06	45		X	X HYDR
PORT SIMPSON	S-3	54 35.0	130 25.0	74 11 06	40		X	X HYDR

BOTTLE/CTD DATA SET NUMBER: 74-0044
 YEAR:1974 VESSEL/AGENCY: CAN.CELLULOSE

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER PARAM MEAS	INSTR HR	INT NO C S T
MORSE BASIN	1	54 16.7	130 14.7	74 02	45		X	X BOTT
MORSE BASIN	2	54 15.4	130 15.2	74 02	15		X	X BOTT
WAINWRIGHT BAS	3	54 15.0	130 16.9	74 02	50		X	X BOTT
PORPOISE HARB	4	54 14.8	130 18.4	74 02	15		X	X BOTT
PORPOISE HARB	5	54 13.5	130 17.9	74 02	20		X	X BOTT
PORPOISE HARB	6	54 12.8	130 17.4	74 02	1		X	X BOTT
PORPOISE HARB	7	54 12.7	130 17.7	74 02	20		X	X BOTT
PORPOISE CH	8	54 12.0	130 18.2	74 02	25		X	X BOTT
CHATHAM SOUND	9	54 12.8	130 20.0	74 02	40		X	X BOTT
CHATHAM SOUND	10	54 14.0	130 20.0	74 02	20		X	X BOTT
CHATHAM SOUND	11	54 14.0	130 22.1	74 02	30		X	X BOTT
CHATHAM SOUND	12	54 15.0	130 21.3	74 02	40		X	X BOTT
CHATHAM SOUND	13	54 17.1	130 21.8	74 02	40		X	X BOTT

* 13 stations sampled monthly, Feb. 1974 to present.

BOTTLE/CTD DATA SET NUMBER: 74-0050A
 YEAR: 1974 VESSEL/AGENCY: EPS

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR	INT	NO		
					DEG	MIN	DEG				MIN	YR
PORPOISE HBR	0-5	52 18.5	127 45.4	74 06 11				75		X	X	BOTT
PORPOISE HBR	0-6	52 19.8	127 44.3	74 06 11				65		X	X	BOTT
PORPOISE HBR	0-7	52 20.8	127 44.0	74 06 11				55		X	X	BOTT
PORPOISE HBR	0-9	52 21.1	127 42.9	74 06 11				55		X	X	BOTT
PORPOISE HBR	0-10	52 21.1	127 42.3	74 06 11				45		X	X	BOTT
PORPOISE HBR	0-12	52 21.0	127 41.6	74 06 11				30		X	X	BOTT
PORPOISE HBR	0-6A	52 20.3	127 44.4	74 06 11				65		X	X	BOTT
PORPOISE HBR	0-7A	52 21.1	127 43.5	74 06 11				53		X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 74-0050B
 YEAR: 1974 VESSEL/AGENCY: EPS

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR	INT	NO		
					DEG	MIN	DEG				MIN	YR
PORPOISE HBR	0-5	52 18.5	127 45.4	74 09 04				75		X	X	BOTT
PORPOISE HBR	0-6	52 19.8	127 44.3	74 09 04				65		X	X	BOTT
PORPOISE HBR	0-7	52 20.8	127 44.0	74 09 04				55		X	X	BOTT
PORPOISE HBR	0-9	52 21.1	127 42.9	74 09 04				50		X	X	BOTT
PORPOISE HBR	0-10	52 21.1	127 42.3	74 09 04				45		X	X	BOTT
PORPOISE HBR	0-12	52 21.0	127 41.6	74 09 04				25		X	X	BOTT
PORPOISE HBR	0-6A	52 20.3	127 44.4	74 09 04				62		X	X	BOTT
PORPOISE HBR	0-7A	52 21.1	127 43.5	74 09 04				50		X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 75-0061
YEAR:1975 VESSEL/AGENCY: EPS

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		

KITIMAT ARM	K-1	53 59.0	128 41.0	75 06 25	125	137	X X	BOTT
KITIMAT ARM	K-2	53 59.0	128 40.0	75 06 25	125	134	X X	BOTT
KITIMAT ARM	K-3	53 58.0	128 41.0	75 06 25	150	176	X X	BOTT
KITIMAT ARM	K-4	53 58.0	128 40.0	75 06 25	100	168	X X	BOTT
KITIMAT ARM	K-5	53 56.5	128 41.0	75 06 25	175	205	X X	BOTT
KITIMAT ARM	K-6	53 55.0	128 41.5	75 06 25	200	220	X X	BOTT

BOTTLE/CTD DATA SET NUMBER: 75-0063
YEAR:1975 VESSEL/AGENCY: LAYMORE

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		

COOLIDGE PT		52 21.4	127 42.9	75 11 19			X	X	BOTT
OCEAN FALLS		52 21.5	127 43.0	75 11 19			X	X	BOTT
Q.CH.SD.INLETS	J	53 00.6	128 30.6	75 11	67	68	X	X	BOTT
Q.CH.SD.INLETS	M	53 00.8	128 30.5	75 11	39	40	X	X	BOTT
Q.CH.SD.INLETS	O-7	52 20.7	127 43.9	75 11 19	70	71	X	X	BOTT
Q.CH.SD.INLETS	O-12	52 21.1	127 41.7	75 11 19	27	28	X	X	BOTT
Q.CH.SD.INLETS	O-14	52 21.5	127 41.2	75 11 19	10	11	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 75-0064
YEAR:1975 VESSEL/AGENCY: DOBROCKY

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		

ALICE ARM	F-15	55 27.02	129 38.05	75 07 18	300	371	X X		
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BOTTLE/CTD DATA SET NUMBER: 76-0050
YEAR:1976 VESSEL/AGENCY: DOBROCKY

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		

ALICE ARM	E4	55 27.32	129 29.65	76 08 18 22	100	110	X	X	BOTT
ALICE ARM	Z3	55 30.18	129 45.90	76 08 17 22	300	322	X	X	BOTT
ALICE ARM	F15	55 27.02	129 38.05	76 08 18 18	300	371	X	X	BOTT
ALICE ARM	O11	55 21.80	129 45.37	76 08 18 02	175	219	X	X	BOTT
ALICE ARM	G9.5	55 26.75	129 32.30	76 08 18 20	200	230	X	X	BOTT
ALICE ARM	I17.5	55 26.00	129 40.05	76 08 18 16	200	249	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 76-0062
YEAR:1976 VESSEL/AGENCY: DOBROCKY

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO	WATER DEPTH	PARAM MEAS	INSTR	INT	NO
					(M)	(M)		C	S	HR
ALICE ARM	E4	55 27.32	129 29.65	76 09 21 15	100	110	X	X	BOTT	
ALICE ARM	Z3	55 30.18	129 45.90	76 09 22 00	300	322	X	X	BOTT	
ALICE ARM	F15	55 27.02	129 38.05	76 09 21 18	300	371	X	X	BOTT	
ALICE ARM	O11	55 21.80	129 45.37	76 09 22 02	200	219	X	X	BOTT	
ALICE ARM	G9.5	55 26.75	129 32.30	76 09 21 16	200	230	X	X	BOTT	
ALICE ARM	I17.5	55 26.00	129 40.05	76 09 21 19	200	249	X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 76-0063
YEAR:1976 VESSEL/AGENCY: DOBROCKY

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO	WATER DEPTH	PARAM MEAS	INSTR	INT	NO
					(M)	(M)		C	S	HR
ALICE ARM	E4	55 27.32	129 29.65	76 12 09 18	75	110	X	X	BOTT	
ALICE ARM	Z3	55 30.18	129 45.90	76 12 10 20	300	322	X	X	BOTT	
ALICE ARM	F15	55 27.02	129 38.05	76 12 09 22	300	371	X	X	BOTT	
ALICE ARM	O11	55 21.80	129 45.37	76 12 10 23	200	219	X	X	BOTT	
ALICE ARM	G9.5	55 26.75	129 32.30	76 12 09 19	200	230	X	X	BOTT	
ALICE ARM	I17.5	55 26.00	129 40.05	76 12 09 23	200	249	X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 77-0042A
YEAR:1977 VESSEL/AGENCY: SEALION

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO	WATER DEPTH	PARAM MEAS	INSTR	INT	NO
					(M)	(M)		C	S	HR
KITIMAT	CTD01	53 23.85	129 11.9	77 07 11 12	400		X	X	GLDL	
KITIMAT	CTD01	53 23.85	129 11.9	77 07 13 21	401		X	X	GLDL	
KITIMAT	CTD01	53 23.85	129 11.9	77 07 15 20	363		X	X	GLDL	
KITIMAT	CTD02	53 22.6	129 08.85	77 07 11 13	416		X	X	GLDL	
KITIMAT	CTD02	53 22.6	129 08.85	77 07 14 12	354		X	X	GLDL	
KITIMAT	CTD03	53 20.65	129 18.0	77 07 11 14	120		X	X	GLDL	
KITIMAT	CTD03	53 20.65	129 18.0	77 07 11 22	482		X	X	GLDL	
KITIMAT	CTD03	53 20.65	129 18.0	77 07 13 23	500		X	X	GLDL	
KITIMAT	CTD04	53 25.2	129 24.7	77 07 11 15	284		X	X	GLDL	
KITIMAT	CTD05	53 40.3	129 46.1	77 07 11 18	100		X	X	GLDL	
KITIMAT	CTD06	53 13.2	129 25.2	77 07 12 00	484		X	X	GLDL	
KITIMAT	CTD06	53 13.2	129 25.2	77 07 14 00	497		X	X	GLDL	
KITIMAT	CTD07	53 11.2	129 39.0	77 07 12 02	174		X	X	GLDL	
KITIMAT	CTD08	52 54.4	129 28.9	77 07 12 05	268		X	X	GLDL	
KITIMAT	CTD09	53 00.45	129 12.65	77 07 12 08	349		X	X	GLDL	
KITIMAT	CTD09	53 00.45	129 12.65	77 07 14 03	344		X	X	GLDL	
KITIMAT	CTD09	53 00.45	129 12.65	77 07 14 04	367		X	X	GLDL	
KITIMAT	CTD10	53 06.3	129 21.6	77 07 12 10	502		X	X	GLDL	
KITIMAT	CTD10	53 06.3	129 21.6	77 07 14 01	495		X	X	GLDL	
KITIMAT	CTD11	53 06.1	129 07.0	77 07 12 12	480		X	X	GLDL	
KITIMAT	CTD11	53 06.1	129 07.0	77 07 14 09	480		X	X	GLDL	
KITIMAT	CTD12	53 11.9	129 07.0	77 07 12 13	497		X	X	GLDL	
KITIMAT	CTD12	53 11.9	129 07.0	77 07 14 10	495		X	X	GLDL	
KITIMAT	CTD13	53 18.38	129 05.2	77 07 12 14	499		X	X	GLDL	
KITIMAT	CTD13	53 18.38	129 05.2	77 07 15 21	472		X	X	GLDL	
KITIMAT	CTD14	53 18.40	128 53.90	77 07 12 15	366		X	X	GLDL	
KITIMAT	CTD14	53 18.40	128 53.90	77 07 15 22	290		X	X	GLDL	
KITIMAT	CTD14	53 18.40	128 53.90	77 07 15 23	280		X	X	GLDL	
KITIMAT	CTD15	53 26.05	128 55.40	77 07 12 16	387		X	X	GLDL	

KITIMAT	CTD16	53 27.80	129 04.00	77 07 12 20	184	X	X GLDL
KITIMAT	CTD16	53 27.80	129 04.00	77 07 14 14	205	X	X GLDL
KITIMAT	CTD17	53 32.95	128 54.75	77 07 12 21	203	X	X GLDL
KITIMAT	CTD17	53 32.95	128 54.75	77 07 14 15	221	X	X GLDL
KITIMAT	CTD18	53 34.75	128 48.40	77 07 12 22	152	X	X GLDL
KITIMAT	CTD18	53 34.75	128 48.40	77 07 15 03	153	X	X GLDL
KITIMAT	CTD19	53 29.52	128 40.86	77 07 12 23	174	X	X GLDL
KITIMAT	CTD19	53 29.52	128 40.86	77 07 15 02	176	X	X GLDL
KITIMAT	CTD20	53 25.20	128 32.70	77 07 13 01	200	X	X GLDL
KITIMAT	CTD20	53 25.20	128 32.70	77 07 15 00	222	X	X GLDL
KITIMAT	CTD21	53 42.37	128 48.30	77 07 13 04	282	X	X GLDL
KITIMAT	CTD21	53 42.37	128 48.30	77 07 15 04	296	X	X GLDL
KITIMAT	CTD22	53 50.55	128 41.05	77 07 13 06	164	X	X GLDL
KITIMAT	CTD22	53 50.55	128 41.05	77 07 15 07	185	X	X GLDL
KITIMAT	CTD23	53 50.28	128 34.30	77 07 13 07	174	X	X GLDL
KITIMAT	CTD24	53 56.25	128 41.50	77 07 10 15	201	X	X GLDL
KITIMAT	CTD24	53 56.25	128 41.50	77 07 10 16	203	X	X GLDL
KITIMAT	CTD24	53 56.25	128 41.50	77 07 13 08	184	X	X GLDL
KITIMAT	CTD24	53 56.25	128 41.50	77 07 15 10	207	X	X GLDL
KITIMAT	CTD25	53 49.25	128 48.62	77 07 13 14	318	X	X GLDL
KITIMAT	CTD25	53 49.25	128 48.62	77 07 15 13	317	X	X GLDL
KITIMAT	CTD26	53 43.50	129 03.30	77 07 13 16	303	X	X GLDL
KITIMAT	CTD26	53 43.50	129 03.30	77 07 13 17	336	X	X GLDL
KITIMAT	CTD26	53 43.50	129 03.30	77 07 15 14	334	X	X GLDL
KITIMAT	CTD27	53 38.18	129 11.60	77 07 13 18	363	X	X GLDL
KITIMAT	CTD27	53 38.18	129 11.60	77 07 15 16	330	X	X GLDL
KITIMAT	CTD28	53 32.05	129 11.80	77 07 11 07	322	X	X GLDL
KITIMAT	CTD28	53 32.05	129 11.80	77 07 11 08	321	X	X GLDL
KITIMAT	CTD28	53 32.05	129 11.80	77 07 13 19	324	X	X GLDL
KITIMAT	CTD28	53 32.05	129 11.80	77 07 15 17	312	X	X GLDL
KITIMAT	CTD29	53 12.00	128 44.40	77 07 16 01	451	X	X GLDL
KITIMAT	CTD30	53 04.62	128 33.40	77 07 16 03	147	X	X GLDL
KITIMAT	CTD31	52 54.60	128 30.60	77 07 16 04	404	X	X GLDL
KITIMAT	CTD32	53 26.95	128 23.50	77 07 14 23	369	X	X GLDL
KITIMAT	CTD33	53 27.80	128 16.70	77 07 14 21	423	X	X GLDL
KITIMAT	CTD33	53 27.80	128 16.70	77 07 14 22	452	X	X GLDL
KITIMAT	CTD34	53 27.92	128 09.10	77 07 14 20	320	X	X GLDL
KITIMAT	CTD35	53 42.30	128 55.70	77 07 15 05	230	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 77-0042B
YEAR: 1977 VESSEL/AGENCY: SEALION

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER MEAS (M)	PARAM C	INSTR S	INT T	NO HR
KITIMAT	CTD01	53 23.85	129 11.9	77 09 28 20	385	X	X GLDL			
KITIMAT	CTD01	53 23.85	129 11.9	77 09 28 21	43	X	X GLDL			
KITIMAT	CTD01	53 23.85	129 11.9	77 10 01 19	399	X	X GLDL			
KITIMAT	CTD02	53 22.6	129 08.85	77 09 28 21	397	X	X GLDL			
KITIMAT	CTD02	53 22.6	129 08.85	77 10 01 20	399	X	X GLDL			
KITIMAT	CTD02	53 22.6	129 08.85	77 10 04 02	400	X	X GLDL			
KITIMAT	CTD02	53 20.65	129 18.0	77 09 29 23	498	X	X GLDL			
KITIMAT	CTD03	53 25.2	129 24.7	77 09 29 22	239	X	X GLDL			
KITIMAT	CTD04	53 40.3	129 46.1	77 09 29 19	111	X	X GLDL			
KITIMAT	CTD05	53 13.2	129 25.2	77 09 29 13	480	X	X GLDL			
KITIMAT	CTD06	53 11.2	129 39.0	77 09 29 12	181	X	X GLDL			
KITIMAT	CTD07	52 54.4	129 28.9	77 09 29 10	12	X	X GLDL			
KITIMAT	CTD08	53 00.45	129 12.65	77 09 29 04	353	X	X GLDL			
KITIMAT	CTD09	53 06.3	129 21.6	77 09 29 02	521	X	X GLDL			
KITIMAT	CTD10	53 06.1	129 07.0	77 09 29 01	450	X	X GLDL			
KITIMAT	CTD11	53 11.9	129 07.0	77 09 29 00	500	X	X GLDL			
KITIMAT	CTD12	53 18.38	129 05.20	77 09 28 22	474	X	X GLDL			
KITIMAT	CTD13	53 18.38	129 05.20	77 09 30 02	474	X	X GLDL			
KITIMAT	CTD14	53 18.40	128 53.90	77 09 30 01	299	X	X GLDL			
KITIMAT	CTD14	53 18.40	128 53.90	77 10 04 22	180	X	X GLDL			
KITIMAT	CTD15	53 26.05	128 55.40	77 09 30 05	251	X	X GLDL			
KITIMAT	CTD15	53 26.05	128 55.40	77 10 04 18	360	X	X GLDL			
KITIMAT	CTD16	53 27.80	129 04.00	77 09 30 07	193	X	X GLDL			
KITIMAT	CTD16	53 27.80	129 04.00	77 10 04 04	177	X	X GLDL			
KITIMAT	CTD17	53 32.95	128 54.75	77 09 30 09	210	X	X GLDL			
KITIMAT	CTD17	53 32.95	128 54.75	77 09 30 09	209	X	X GLDL			
KITIMAT	CTD18	53 34.75	128 48.40	77 09 30 20	161	X	X GLDL			
KITIMAT	CTD18	53 34.75	128 48.40	77 10 03 01	140	X	X GLDL			
KITIMAT	CTD19	53 29.52	128 40.86	77 09 30 19	174	X	X GLDL			
KITIMAT	CTD20	53 25.20	128 32.70	77 09 30 17	206	X	X GLDL			

KITIMAT	CTD21	53 42.37	128 48.30	77 09 30 21	300	X	X GLDL
KITIMAT	CTD21	53 42.37	128 48.30	77 10 03 02	301	X	X GLDL
KITIMAT	CTD22	53 50.55	128 41.05	77 09 30 23	172	X	X GLDL
KITIMAT	CTD23	53 50.28	128 34.30	77 10 01 00	182	X	X GLDL
KITIMAT	CTD24	53 56.25	128 41.50	77 10 01 11	200	X	X GLDL
KITIMAT	CTD24	53 56.25	128 41.50	77 10 03 05	91	X	X GLDL
KITIMAT	CTD25	53 49.25	128 48.62	77 10 01 13	329	X	X GLDL
KITIMAT	CTD25	53 49.25	128 48.62	77 10 03 03	314	X	X GLDL
KITIMAT	CTD26	53 43.50	128 03.30	77 10 01 14	330	X	X GLDL
KITIMAT	CTD27	53 38.18	129 11.60	77 10 01 16	324	X	X GLDL
KITIMAT	CTD28	53 32.05	129 11.80	77 10 01 17	101	X	X GLDL
KITIMAT	CTD28	53 32.05	129 11.80	77 10 01 17	299	X	X GLDL
KITIMAT	CTD29	53 12.00	128 44.40	77 10 04 23	399	X	X GLDL
KITIMAT	CTD30	53 04.62	128 33.40	77 10 05 01	100	X	X GLDL
KITIMAT	CTD31	52 54.60	128 30.60	77 10 05 02	419	X	X GLDL
KITIMAT	CTD32	53 26.95	128 23.50	77 09 30 16	358	X	X GLDL
KITIMAT	CTD33	53 27.80	128 16.70	77 09 30 14	450	X	X GLDL
KITIMAT	CTD34	53 27.92	128 09.10	77 09 30 13	275	X	X GLDL
KITIMAT	CTD35	53 42.30	128 55.70	77 09 30 20	216	X	X GLDL
KITIMAT	CTD36			77 09 29 21	102	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 77-0042C
YEAR:1977 VESSEL/AGENCY: SEALION

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER MEAS (M)	PARAM C	INSTR S	INT T	NO HR
KITIMAT	CTD01	53 23.85	129 11.9	77 12 06 17	383	X	X GLDL			
KITIMAT	CTD01	53 23.85	129 11.9	77 12 14 15	400	X	X GLDL			
KITIMAT	CTD02	53 22.6	129 08.85	77 12 06 17	378	X	X GLDL			
KITIMAT	CTD02	53 22.6	129 08.85	77 12 15 10	373	X	X GLDL			
KITIMAT	CTD03	53 20.65	129 18.0	77 12 07 01	499	X	X GLDL			
KITIMAT	CTD03	53 20.65	129 18.0	77 12 14 20	499	X	X GLDL			
KITIMAT	CTD04	53 25.2	129 24.7	77 12 06 19	290	X	X GLDL			
KITIMAT	CTD04	53 25.2	129 24.7	77 12 14 19		X	X GLDL			
KITIMAT	CTD05	53 40.3	129 46.1	77 12 06 21	85	X	X GLDL			
KITIMAT	CTD06	53 13.2	129 25.2	77 12 07 02	460	X	X GLDL			
KITIMAT	CTD06	53 13.2	129 25.2	77 12 14 21	473	X	X GLDL			
KITIMAT	CTD07	53 11.2	129 39.0	77 12 07 04	171	X	X GLDL			
KITIMAT	CTD07	53 11.2	129 39.0	77 12 14 23	167	X	X GLDL			
KITIMAT	CTD08	52 54.4	129 28.9	77 12 07 07	256	X	X GLDL			
KITIMAT	CTD08	52 54.4	129 28.9	77 12 15 01	272	X	X GLDL			
KITIMAT	CTD09	53 00.45	129 12.65	77 12 07 19	339	X	X GLDL			
KITIMAT	CTD09	53 00.45	129 12.65	77 12 15 03	339	X	X GLDL			
KITIMAT	CTD10	53 06.3	129 21.6	77 12 07 20	498	X	X GLDL			
KITIMAT	CTD10	53 06.3	129 21.6	77 12 15 05	496	X	X GLDL			
KITIMAT	CTD11	53 06.1	129 07.0	77 12 07 22	499	X	X GLDL			
KITIMAT	CTD11	53 06.1	129 07.0	77 12 15 06	465	X	X GLDL			
KITIMAT	CTD12	53 11.9	129 07.0	77 12 07 23	499	X	X GLDL			
KITIMAT	CTD12	53 11.9	129 07.0	77 12 15 07	500	X	X GLDL			
KITIMAT	CTD13	53 18.38	129 05.20	77 12 15 09	473	X	X GLDL			
KITIMAT	CTD14	53 18.40	128 53.90	77 12 17 15	240	X	X GLDL			
KITIMAT	CTD15	53 26.05	128 55.40	77 12 17 14	370	X	X GLDL			
KITIMAT	CTD16	53 27.80	129 04.00	77 12 08 10	181	X	X GLDL			
KITIMAT	CTD16	53 27.80	129 04.00	77 12 15 11	188	X	X GLDL			
KITIMAT	CTD17	53 32.95	128 54.75	77 12 15 12	199	X	X GLDL			
KITIMAT	CTD17	53 32.95	128 54.75	77 12 17 09	199	X	X GLDL			
KITIMAT	CTD18	53 34.75	128 48.40	77 12 08 21	149	X	X GLDL			
KITIMAT	CTD18	53 34.75	128 48.40	77 12 15 13	136	X	X GLDL			
KITIMAT	CTD18	53 34.75	128 48.40	77 12 15 23	130	X	X GLDL			
KITIMAT	CTD19	53 29.52	128 40.86	77 12 08 22	181	X	X GLDL			
KITIMAT	CTD19	53 29.52	128 40.86	77 12 15 14	184	X	X GLDL			
KITIMAT	CTD20	53 25.20	128 32.70	77 12 15 15	200	X	X GLDL			
KITIMAT	CTD21	53 42.37	128 48.30	77 12 08 20	306	X	X GLDL			
KITIMAT	CTD21	53 42.37	128 48.30	77 12 17 03	281	X	X GLDL			
KITIMAT	CTD22	53 50.55	128 41.05	77 12 08 15	162	X	X GLDL			
KITIMAT	CTD22	53 50.55	128 41.05	77 12 14 06	163	X	X GLDL			
KITIMAT	CTD23	53 50.28	128 34.30	77 12 08 16	181	X	X GLDL			
KITIMAT	CTD23	53 50.28	128 34.30	77 12 14 07	162	X	X GLDL			
KITIMAT	CTD24	53 56.25	128 41.50	77 12 06 08	181	X	X GLDL			
KITIMAT	CTD24	53 56.25	128 41.50	77 12 08 14	192	X	X GLDL			
KITIMAT	CTD24	53 56.25	128 41.50	77 12 14 05	200	X	X GLDL			
KITIMAT	CTD25	53 49.25	128 48.62	77 12 06 10	291	X	X GLDL			
KITIMAT	CTD25	53 49.25	128 48.62	77 12 08 17	298	X	X GLDL			
KITIMAT	CTD25	53 49.25	128 48.62	77 12 14 09	325	X	X GLDL			

KITIMAT	CTD25	53 49.25	128 48.62	77 12 17 04	320	X	X GLDL
KITIMAT	CTD26	53 43.50	129 03.30	77 12 06 11	301	X	X GLDL
KITIMAT	CTD26	53 43.50	129 03.30	77 12 14 10	328	X	X GLDL
KITIMAT	CTD27	53 38.18	129 11.60	77 12 06 12	300	X	X GLDL
KITIMAT	CTD27	53 38.18	129 11.60	77 12 14 12	342	X	X GLDL
KITIMAT	CTD28	53 32.05	129 11.80	77 12 06 13	293	X	X GLDL
KITIMAT	CTD28	53 32.05	129 11.80	77 12 14 13		X	X GLDL
KITIMAT	CTD29	53 12.00	128 44.40	77 12 17 17	448	X	X GLDL
KITIMAT	CTD30	53 04.62	128 33.40	77 12 17 18	151	X	X GLDL
KITIMAT	CTD32	53 26.95	128 23.50	77 12 15 16	379	X	X GLDL
KITIMAT	CTD33	53 27.80	128 16.70	77 12 15 17	420	X	X GLDL
KITIMAT	CTD34	53 27.92	128 09.10	77 12 15 20	343	X	X GLDL
KITIMAT	CTD35	53 42.30	128 55.70	77 12 08 19	219	X	X GLDL
KITIMAT	CTD35	53 42.30	128 55.70	77 12 17 06	201	X	X GLDL
KITIMAT	CTD36			77 12 14 18	110	X	X GLDL
KITIMAT	CTD36	53 31.78	129 35.17	77 12 06 20	105	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 77-0042D
YEAR: 1977 VESSEL/AGENCY: SEALION

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER PARAM MEAS (C)	INSTR INT NO HR
						C S T	
KITIMAT	CTD12	53 11.90	129 07.00	78 03 10 20	500	X	X GLDL
KITIMAT	CTD13	53 18.38	129 05.20	78 03 10 21	478	X	X GLDL
KITIMAT	CTD14	53 18.40	128 53.90	78 03 10 23	222	X	X GLDL
KITIMAT	CTD15	53 26.05	128 55.40	78 03 11 00	350	X	X GLDL
KITIMAT	CTD16	53 27.80	129 04.00	78 03 11 02	180	X	X GLDL
KITIMAT	CTD17	53 32.95	128 54.75	78 03 11 04	199	X	X GLDL
KITIMAT	CTD18	53 34.75	128 48.40	78 03 11 05	151	X	X GLDL
KITIMAT	CTD19	53 29.52	128 40.86	78 03 11 09	161	X	X GLDL
KITIMAT	CTD20	53 25.20	128 32.70	78 03 11 10	199	X	X GLDL
KITIMAT	CTD32	53 26.95	128 23.50	78 03 11 11	359	X	X GLDL
KITIMAT	CTD33	53 27.80	128 16.70	78 03 11 12	400	X	X GLDL
KITIMAT	CTD34	53 27.92	128 09.10	78 03 11 14	301	X	X GLDL
KITIMAT	CTD37	53 22.75	128 03.50	78 03 11 16	202	X	X GLDL
KITIMAT	CTD38	53 19.50	127 55.80	78 03 11 16	241	X	X GLDL
KITIMAT	CTD39	53 16.20	127 56.20	78 03 11 17	141	X	X GLDL
KITIMAT	CTD18	53 34.75	128 48.40	78 03 11 22	151	X	X GLDL
KITIMAT	CTD17	53 32.95	128 54.75	78 03 11 23	200	X	X GLDL
KITIMAT	CTD16	53 27.80	129 04.00	78 03 12 00	191	X	X GLDL
KITIMAT	CTD02	53 22.60	129 08.85	78 03 12 01	371	X	X GLDL
KITIMAT	CTD12	53 11.90	129 07.00	78 03 12 03	498	X	X GLDL
KITIMAT	CTD11	53 06.10	129 07.00	78 03 12 04	448	X	X GLDL
KITIMAT	CTD09	53 00.45	129 12.65	78 03 12 05	322	X	X GLDL
KITIMAT	CTD08	52 54.40	129 28.90	78 03 12 06	259	X	X GLDL
KITIMAT	CTD07	53 11.20	129 39.00	78 03 12 09	152	X	X GLDL
KITIMAT	CTD06	53 13.20	129 25.20	78 03 12 10	445	X	X GLDL
KITIMAT	CTD05	53 40.30	129 46.10	78 03 12 14	102	X	X GLDL
KITIMAT	CTD36	53 31.78	129 35.17	78 03 12 16	101	X	X GLDL
KITIMAT	CTD04	53 25.20	129 24.70	78 03 12 17	261	X	X GLDL
KITIMAT	CTD03	53 20.65	129 18.00	78 03 12 18	481	X	X GLDL
KITIMAT	CTD01	53 23.85	129 11.90	78 03 12 19	363	X	X GLDL
KITIMAT	CTD28	53 32.05	129 11.80	78 03 12 21	300	X	X GLDL
KITIMAT	CTD27	53 38.18	129 11.60	78 03 12 23	328	X	X GLDL
KITIMAT	CTD26	53 43.50	129 03.30	78 03 13 00	320	X	X GLDL
KITIMAT	CTD25	53 49.25	128 48.62	78 03 13 02	320	X	X GLDL
KITIMAT	CTD22	53 50.55	128 41.05	78 03 13 03	161	X	X GLDL
KITIMAT	CTD23	53 50.28	128 34.30	78 03 13 04	181	X	X GLDL
KITIMAT	CTD24	53 56.25	128 41.50	78 03 13 05	200	X	X GLDL
KITIMAT	CTD25	53 49.25	128 48.62	78 03 13 08	319	X	X GLDL
KITIMAT	CTD35	53 42.30	128 55.70	78 03 13 09	209	X	X GLDL
KITIMAT	CTD21	53 42.37	128 48.30	78 03 13 10	298	X	X GLDL
KITIMAT	CTD18	53 34.75	128 48.40	78 03 13 11	152	X	X GLDL
KITIMAT	CTD17	53 32.95	128 54.75	78 03 13 12	222	X	X GLDL
KITIMAT	CTD15	53 26.05	128 55.40	78 03 13 14	390	X	X GLDL
KITIMAT	CTD29	53 12.00	128 44.40	78 03 15 10	477	X	X GLDL
KITIMAT	CTD31	52 54.60	128 30.60	78 03 15 13	420	X	X GLDL
KITIMAT	CTD24	53 56.25	128 41.50	78 05 09 19	209	X	X GLDL
KITIMAT	CTD25	53 49.25	128 48.62	78 05 09 22	299	X	X GLDL
KITIMAT	CTD26	53 43.50	129 03.30	78 05 09 23	321	X	X GLDL
KITIMAT	CTD27	53 38.18	129 11.60	78 05 10 01	321	X	X GLDL
KITIMAT	CTD28	53 32.05	129 11.80	78 05 10 02	300	X	X GLDL
KITIMAT	CTD01	53 23.85	129 11.90	78 05 10 03	401	X	X GLDL
KITIMAT	CTD09	53 00.45	129 12.65	78 05 10 15	331	X	X GLDL

KITIMAT	CTD10	53 06.30	129 21.60	78 05 10 17	497	X	X GLDL
KITIMAT	CTD11	53 06.10	129 07.00	78 05 10 19	447	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 77-0042E
YEAR: 1977 VESSEL/AGENCY: SEALION

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER MEAS (M)	PARAM C S T	INSTR	INT NO
KITIMAT	CTD01	53 23.85	129 11.90	78 06 11 14	383			X	X GLDL
KITIMAT	CTD02	53 22.60	129 08.85	78 06 11 14	398			X	X GLDL
KITIMAT	CTD03	53 20.65	129 18.00	78 06 11 23	478			X	X GLDL
KITIMAT	CTD04	53 25.20	129 24.70	78 06 08 20	288			X	X GLDL
KITIMAT	CTD05	53 40.30	129 46.10	78 06 09 06	103			X	X GLDL
KITIMAT	CTD06	53 13.20	129 25.20	78 06 12 00	457			X	X GLDL
KITIMAT	CTD07	53 11.20	129 39.00	78 06 12 01	179			X	X GLDL
KITIMAT	CTD08	52 54.40	129 28.90	78 06 12 04	259			X	X GLDL
KITIMAT	CTD09	53 00.45	129 12.65	78 06 12 05	331			X	X GLDL
KITIMAT	CTD10	53 06.30	129 21.60	78 06 12 18	499			X	X GLDL
KITIMAT	CTD11	53 06.10	129 07.00	78 06 12 19	449			X	X GLDL
KITIMAT	CTD12	53 11.90	129 07.00	78 06 12 20	499			X	X GLDL
KITIMAT	CTD13	53 18.30	129 05.20	78 06 11 21	471			X	X GLDL
KITIMAT	CTD14	53 18.40	128 53.90	78 06 11 20	279			X	X GLDL
KITIMAT	CTD15	53 26.05	128 55.40	78 06 11 19	371			X	X GLDL
KITIMAT	CTD16	53 27.80	129 04.00	78 06 11 16	179			X	X GLDL
KITIMAT	CTD17	53 32.95	128 54.75	78 06 11 17	200			X	X GLDL
KITIMAT	CTD18	53 34.75	128 48.40	78 06 10 24	151			X	X GLDL
KITIMAT	CTD19	53 29.52	128 40.86	78 06 10 22	185			X	X GLDL
KITIMAT	CTD20	53 25.20	128 32.70	78 06 10 21	199			X	X GLDL
KITIMAT	CTD21	53 42.37	128 48.30	78 06 11 00	301			X	X GLDL
KITIMAT	CTD22	53 50.55	128 41.05	78 06 11 03	150			X	X GLDL
KITIMAT	CTD23	53 50.28	128 34.30	78 06 11 03	176			X	X GLDL
KITIMAT	CTD24	53 56.25	128 41.50	78 06 11 06	203			X	X GLDL
KITIMAT	CTD25	53 49.25	128 48.62	78 06 11 08	333			X	X GLDL
KITIMAT	CTD26	53 43.50	129 03.30	78 06 11 09	322			X	X GLDL
KITIMAT	CTD27	53 38.18	129 11.60	78 06 11 11	300			X	X GLDL
KITIMAT	CTD28	53 32.05	129 11.80	78 06 11 12	299			X	X GLDL
KITIMAT	CTD29	53 12.00	128 44.40	78 06 12 23	458			X	X GLDL
KITIMAT	CTD30	53 04.62	128 33.40	78 06 13 01	102			X	X GLDL
KITIMAT	CTD31	52 54.60	128 30.60	78 06 13 02	419			X	X GLDL
KITIMAT	CTD32	53 26.95	128 23.50	78 06 10 20	361			X	X GLDL
KITIMAT	CTD33	53 27.80	128 16.70	78 06 10 18	420			X	X GLDL
KITIMAT	CTD35	53 42.30	128 55.70	78 06 11 01	220			X	X GLDL
KITIMAT	CTD36	53 31.78	129 35.17	78 06 08 22	111			X	X GLDL
KITIMAT	CTD37	53 22.75	128 03.50	78 06 09 18	221			X	X GLDL
KITIMAT	CTD39	53 16.20	127 56.20	78 06 10 17	320			X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 77-0043
YEAR: 1977 VESSEL/AGENCY: PARIZEAU

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER MEAS (M)	PARAM C S T	INSTR	INT NO
KITIMAT	1	52 46.80	129 51.30	77 02 13 20	200	240	X	X BOTT	
KITIMAT	2	52 53.00	129 30.00	77 02 13 18	165	180	X	X BOTT	
KITIMAT	3	52 57.50	129 15.00	77 02 08 18	215	225	X	X BOTT	
KITIMAT	4	53 06.80	129 21.80	77 02 08 22	600	660	X	X BOTT	
KITIMAT	5	53 16.50	129 17.00	77 02 09 00	500	530	X	X BOTT	
KITIMAT	6	53 05.0	129 09.0	77 02 09 16	550	567	X	X BOTT	
KITIMAT	7	53 16.70	129 08.00	77 02 09 03	500	520	X	X BOTT	
KITIMAT	8	53 26.30	129 12.60	77 02 09 19	380	400	X	X BOTT	
KITIMAT	9	53 36.30	129 12.70	77 02 09 23	230	242	X	X BOTT	
KITIMAT	10	53 44.00	129 01.70	77 02 10 02	360	380	X	X BOTT	
KITIMAT	11	53 50.00	128 48.00	77 02 10 17	320	336	X	X BOTT	
KITIMAT	12	53 58.75	128 40.50	77 02 10 19	160	178	X	X BOTT	

BOTTLE/CTD DATA SET NUMBER: 77-0057A
YEAR: 1977 VESSEL/AGENCY: IOS, PARIZEAU

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR	INT NO	
					DEG	MIN	DEG			MIN
Q.C. SOUND	QD1	51 00.00	127 55.00	77 05	17	21		100	X	X GLDL
Q.C. SOUND	QD1	51 00.00	127 55.00	77 05	22	19		100	X	X GLDL
Q.C. SOUND	QD2	51 25.00	128 35.00	77 05	18	01		200	X	X GLDL
Q.C. SOUND	QD2	51 25.00	128 35.00	77 05	22	15		200	X	X GLDL
Q.C. SOUND	QD3	51 14.00	129 05.80	77 05	18	04		200	X	X GLDL
Q.C. SOUND	QD4	51 00.00	129 17.00	77 05	18	10		150	X	X GLDL
Q.C. SOUND	QD6	51 22.70	130 03.00	77 05	18	23		300	X	X GLDL
Q.C. SOUND	QD8	51 44.50	130 47.00	77 05	19	05		225	X	X GLDL
HECATE STRAIT	QD9	52 04.00	130 31.00	77 05	19	10		275	X	X GLDL
HECATE STRAIT	QD10	52 16.50	130 16.00	77 05	19	11		300	X	X GLDL
HECATE STRAIT	QD10	52 16.50	130 16.00	77 05	22	02		300	X	X GLDL
HECATE STRAIT	QD10	52 16.50	130 16.00	77 05	22	02		300	X	X GLDL
HECATE STRAIT	QD10	52 16.50	130 16.00	77 05	22	03		300	X	X GLDL
HECATE STRAIT	QD10	52 16.50	130 16.00	77 05	22	04		300	X	X GLDL
HECATE STRAIT	QD10	52 16.50	130 16.00	77 05	22	05		300	X	X GLDL
HECATE STRAIT	QD10	52 16.50	130 16.00	77 05	22	06		300	X	X GLDL
HECATE STRAIT	QD10	52 16.50	130 16.00	77 05	22	06		300	X	X GLDL
Q.C. SOUND	QD11	50 20.00	129 40.00	77 05	19	14		200	X	X GLDL
HECATE STRAIT	QD12	52 34.00	129 53.50	77 05	19	17		225	X	X GLDL
HECATE STRAIT	QD13	52 50.00	129 53.50	77 05	19	19		175	X	X GLDL
HECATE STRAIT	QD14	52 54.00	129 24.00	77 05	20	12		225	X	X GLDL
HECATE STRAIT	QD15	52 09.50	130 24.00	77 05	19	22		175	X	X GLDL
HECATE STRAIT	QD16	53 27.40	130 45.00	77 05	21	14		125	X	X GLDL
HECATE STRAIT	QD17	53 13.50	130 53.00	77 05	21	16		100	X	X GLDL
HECATE STRAIT	QD18	53 00.00	131 00.00	77 05	21	18		20	X	X GLDL
HECATE STRAIT	QD19	52 48.00	130 46.50	77 05	21	20		75	X	X GLDL
HECATE STRAIT	QD20	52 36.50	130 33.50	77 05	21	22		150	X	X GLDL
HECATE STRAIT	QD21	52 24.50	130 21.00	77 05	22	00		275	X	X GLDL
HECATE STRAIT	QD22	52 02.50	129 44.00	77 05	22	10		100	X	X GLDL
Q.C. SOUND	QD23	51 46.50	129 14.00	77 05	22	13		100	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 77-0057B
YEAR: 1977 VESSEL/AGENCY: ENDEAVOUR

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR	INT NO	
					DEG	MIN	DEG			MIN
Q.C. SOUND	QD1	51 01.20	127 54.60	77 07	21	01		100	X	X GLDL
Q.C. SOUND	QD3	51 15.00	129 03.00	77 07	14	14		175	X	X GLDL
Q.C. SOUND	QD4	51 00.00	129 17.00	77 07	15	04		150	X	X GLDL
Q.C. SOUND	QD6	51 20.00	130 03.00	77 07	14	21		400	X	X GLDL
Q.C. SOUND	QD6	51 22.50	130 01.00	77 07	19	19		250	X	X GLDL
Q.C. SOUND	QD8	51 44.50	130 47.00	77 07	15	18		175	X	X GLDL
HECATE STRAIT	QD9	52 04.00	130 31.00	77 07	15	20		275	X	X GLDL
HECATE STRAIT	QD10	52 16.50	130 16.00	77 07	15	22		300	X	X GLDL
HECATE STRAIT	QD10	52 16.50	130 16.00	77 07	19	05		300	X	X GLDL
HECATE STRAIT	QD10	52 16.50	130 16.00	77 07	19	05		300	X	X GLDL
HECATE STRAIT	QD10	52 17.70	130 17.00	77 07	17	06		300	X	X GLDL
HECATE STRAIT	QD11	52 20.00	129 40.00	77 07	17	12		175	X	X GLDL
HECATE STRAIT	QD12	52 34.00	129 55.50	77 07	16	04		200	X	X GLDL
HECATE STRAIT	QD13	52 53.50	129 55.90	77 07	16	08		200	X	X GLDL
HECATE STRAIT	QD14	52 54.00	129 00.50	77 07	16	14		225	X	X GLDL
HECATE STRAIT	QD15	53 09.50	130 24.00	77 07	16	21		175	X	X GLDL
HECATE STRAIT	QD16	53 27.50	130 45.00	77 07	18	20		125	X	X GLDL
HECATE STRAIT	QD17	53 13.50	130 53.00	77 07	18	22		75	X	X GLDL
HECATE STRAIT	QD18	53 00.00	131 00.00	77 07	18	23		20	X	X GLDL
HECATE STRAIT	QD19	52 48.00	130 46.50	77 07	17	01		75	X	X GLDL
HECATE STRAIT	QD19	52 48.00	130 46.50	77 07	19	01		75	X	X GLDL
HECATE STRAIT	QD20	52 36.50	130 33.50	77 07	16	01		125	X	X GLDL
HECATE STRAIT	QD20	52 36.50	130 33.50	77 07	17	03		125	X	X GLDL
HECATE STRAIT	QD20	52 36.50	130 33.50	77 07	19	03		150	X	X GLDL
Q.C. SOUND	QD22	51 56.00	129 31.50	77 07	19	08		225	X	X GLDL
HECATE STRAIT	QD24	52 53.50	129 36.00	77 07	16	13		175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07	20	00		200	X	X GLDL

Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 00	200	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 01	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 02	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 03	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 04	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 05	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 06	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 07	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 08	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 09	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 10	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 11	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 12	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 13	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 14	200	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 15	200	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 16	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 17	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 18	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 19	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 20	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 21	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 22	175	X	X GLDL
Q.C. SOUND	QD30	51 19.00	128 50.00	77 07 20 22	175	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 77-0057C
YEAR:1977 VESSEL/AGENCY: PARIZEAU

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						
Q.C. SOUND	QD1	51 01.20	127 54.50	77 09 27 08	100	X	X GLDL			
Q.C. SOUND	QD2	51 25.00	128 35.00	77 09 27 04	175	X	X GLDL			
Q.C. SOUND	QD3	51 15.00	129 03.00	77 09 20 09	200	X	X GLDL			
Q.C. SOUND	QD4	51 00.00	129 17.00	77 09 20 11	150	X	X GLDL			
Q.C. SOUND	QD6	51 20.00	130 03.00	77 09 20 19	300	X	X GLDL			
Q.C. SOUND	QD8	51 44.50	130 47.00	77 09 21 05	250	X	X GLDL			
HECATE STRAIT	QD9	52 04.00	130 31.00	77 09 21 21	300	X	X GLDL			
HECATE STRAIT	QD10	52 16.50	130 16.00	77 09 21 18	300	X	X GLDL			
HECATE STRAIT	QD11	52 20.00	129 40.00	77 09 23 17	200	X	X GLDL			
HECATE STRAIT	QD12	52 34.00	129 53.50	77 09 23 19	225	X	X GLDL			
HECATE STRAIT	QD13	52 53.50	129 55.90	77 09 23 22	225	X	X GLDL			
HECATE STRAIT	QD14	52 54.00	129 00.50	77 09 22 14	225	X	X GLDL			
HECATE STRAIT	QD15	53 09.50	130 24.00	77 09 24 01	175	X	X GLDL			
HECATE STRAIT	QD16	53 27.50	130 45.00	77 09 24 13	175	X	X GLDL			
HECATE STRAIT	QD17	53 13.50	130 45.00	77 09 24 12	100	X	X GLDL			
HECATE STRAIT	QD18	53 00.00	131 00.00	77 09 24 10	30	X	X GLDL			
HECATE STRAIT	QD20	52 36.50	130 33.50	77 09 22 01	125	X	X GLDL			
Q.C. SOUND	QD22	51 56.00	129 31.50	77 09 21 13	200	X	X GLDL			
HECATE STRAIT	QD91	52 54.50	130 42.30	77 09 24 08	50	X	X GLDL			

BOTTLE/CTD DATA SET NUMBER: 77-0058
YEAR:1977 VESSEL/AGENCY: EPS

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						
PORPOISE HBR	P12	54 13.23	130 17.64	77 06	17	X	X			
PORPOISE HBR	P18	54 14.21	130 18.27	77 06	14	X	X			
PORPOISE HBR	P20	54 12.13	130 18.32	77 06	25	X	X			
PORPOISE HBR	PH1	54 14.69	130 18.24	77 06	20	X	X			

BOTTLE/CTD DATA SET NUMBER: 77-0059
YEAR:1977 VESSEL/AGENCY: EPS

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						
HASTINGS ARM	HA-2	55 29.2	129 45.40	77 06 13						BOTT
ALICE ARM	M-48	55 27.1	129 36.80	77 06 13						BOTT
ALICE ARM	N-11	55 27.0	129 30.28	77 06 13						BOTT

BOTTLE/CTD DATA SET NUMBER: 77-0066A
YEAR:1977 VESSEL/AGENCY: G.B.REED

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						
Q.C. SOUND	1	51 33.00	128 17.00	77 07 13 16	148	148		X	XBT	
Q.C. SOUND	2	51 33.00	128 20.00	77 07 13 21	158	158		X	XBT	
Q.C. SOUND	3	51 24.00	128 41.00	77 07 14 17	212	212		X	XBT	
Q.C. SOUND	4	51 21.00	128 34.00	77 07 14 22	195	195		X	XBT	
Q.C. SOUND	5	51 27.00	128 32.00	77 07 15 16	197	197		X	XBT	
Q.C. SOUND	6	51 04.00	128 51.00	77 07 16 16	173	173		X	XBT	
Q.C. SOUND	7	51 57.00	128 39.00	77 07 16 21	159	159		X	XBT	
Q.C. SOUND	8	51 57.00	129 21.00	77 07 18 00	203	203		X	XBT	
Q.C. SOUND	9	52 13.00	128 45.00	77 07 19 03	230	230		X	XBT	

BOTTLE/CTD DATA SET NUMBER: 77-0066B
YEAR:1977 VESSEL/AGENCY: G.B.REED

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						
Q.C. SOUND	1	51 36.00	130 03.00	77 08 24 02	441	441		X	XBT	
Q.C. SOUND	2	51 40.00	129 56.00	77 08 24 22	190			X	XBT	
Q.C. SOUND	3	51 46.00	129 43.00	77 08 24 22	332	332		X	XBT	
Q.C. SOUND	4	51 57.00	129 19.00	77 08 25 08	196	196		X	BT	
Q.C. SOUND	5	51 51.00	129 30.00	77 08 25 15	232	232		X	BT	
Q.C. SOUND	6	51 48.00	129 39.00	77 08 25 17	241	241		X	BT	
Q.C. SOUND	7	51 51.00	129 35.00	77 08 25 22	275	275		X	XBT	
Q.C. SOUND	8	51 51.00	129 42.00	77 08 26 08	275			X	BT	
Q.C. SOUND	9	51 48.00	129 47.00	77 08 26 12	318	318		X	XBT	
Q.C. SOUND	10	51 44.00	129 59.00	77 08 26 14	339	339		X	XBT	
Q.C. SOUND	11	51 43.00	129 46.00	77 08 27 08	308	308		X	XBT	
Q.C. SOUND	12	51 47.00	129 33.00	77 08 27 10	239	239		X	BT	
Q.C. SOUND	13	51 21.00	129 29.00	77 08 27 14	210	214		X	BT	
Q.C. SOUND	14	51 20.00	129 27.00	77 08 27 17	228	228		X	BT	
Q.C. SOUND	15	51 23.00	129 22.00	77 08 28 09	170	170		X	BT	
Q.C. SOUND	16	51 20.00	129 22.00	77 08 28 12	235	235		X	BT	
Q.C. SOUND	17	51 19.00	129 20.00	77 08 28 14	275	275		X	BT	
Q.C. SOUND	18	51 25.00	129 08.00	77 08 28 17	161	161		X	BT	
Q.C. SOUND	19	51 15.00	128 36.00	77 08 29 08	218	218		X	BT	
Q.C. SOUND	20	51 04.00	128 08.00	77 08 29 13	167	167		X	BT	
Q.C. SOUND	21	51 10.00	128 34.00	77 08 30 10	181	181		X	BT	
Q.C. SOUND	22	51 21.00	128 46.00	77 08 30 13	233	233		X	BT	
Q.C. SOUND	23	51 26.00	128 46.00	77 08 30 14	200	200		X	BT	
Q.C. SOUND	24	51 27.00	128 50.00	77 08 30 17	176	176		X	BT	
Q.C. SOUND	25	51 24.00	129 06.00	77 08 31 08	199	199		X	BT	
Q.C. SOUND	26	51 22.00	129 04.00	77 08 31 10	245	245		X	BT	
Q.C. SOUND	27	51 17.00	128 59.00	77 08 31 12	262	262		X	BT	
Q.C. SOUND	28	51 15.00	128 57.00	77 08 31 14	200	208		X	BT	
Q.C. SOUND	29	51 12.00	129 12.00	77 08 31 17	275	275		X	XBT	

Q.C. SOUND	30	51	12.00	129	12.00	77	08	31	19	268	268	X	BT
Q.C. SOUND	31	51	11.00	129	11.00	77	09	01	08	203	203	X	BT
Q.C. SOUND	32	51	11.00	129	22.00	77	09	01	11	280	280	X	XBT
Q.C. SOUND	33	51	07.00	129	25.00	77	09	01	15	275	275	X	BT
Q.C. SOUND	34	51	18.00	129	26.00	77	09	01	17	275	280	X	BT

BOTTLE/CTD DATA SET NUMBER: 77-0076
YEAR:1977 VESSEL/AGENCY: DOBROCKY

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)		(M)			C	S	T

ALICE ARM	E4	55	27.32	129	29.65	77	03	11	21	75	110	X	X BOTT
ALICE ARM	Z3	55	30.18	129	45.90	77	03	10	23	300	322	X	X BOTT
ALICE ARM	F15	55	27.02	129	38.05	77	03	11		300	371	X	X BOTT
ALICE ARM	O11	55	21.80	129	45.37	77	03	11	01	200	219	X	X BOTT
ALICE ARM	G9.5	55	26.75	129	32.30	77	03	11	21	200	230	X	X BOTT
ALICE ARM	I17.5	55	26.00	129	40.05	77	03	11	17	200	249	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 77-0077
YEAR:1977 VESSEL/AGENCY: DOBROCKY

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)		(M)			C	S	T

ALICE ARM	E4	55	27.32	129	29.65	77	06	15	16	75	110	X	X BOTT
ALICE ARM	Z3	55	30.18	129	45.90	77	06	16	22	300	322	X	X BOTT
ALICE ARM	F15	55	27.02	129	38.05	77	06	15	23	300	371	X	X BOTT
ALICE ARM	O11	55	21.80	129	45.37	77	06	16	20	200	219	X	X BOTT
ALICE ARM	G9.5	55	26.75	129	32.30	77	06	15	21	200	230	X	X BOTT
ALICE ARM	I17.5	55	26.00	129	40.05	77	06	17	00	200	249	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 77-0078
YEAR:1977 VESSEL/AGENCY: DOBROCKY

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)		(M)			C	S	T

ALICE ARM	E4	55	27.32	129	29.65	77	09	20	15	75	110	X	X BOTT
ALICE ARM	Z3	55	30.18	129	45.90	77	09	19	19	150	322	X	X BOTT
ALICE ARM	F15	55	27.02	129	38.05	77	09	19	22	200	371	X	X BOTT
ALICE ARM	O11	55	21.80	129	45.37	77	09	19	16	200	219	X	X BOTT
ALICE ARM	G9.5	55	26.75	129	32.30	77	09	20	16	150	230	X	X BOTT
ALICE ARM	I17.5	55	26.00	129	40.05	77	09	19	21	200	249	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 77-0079
YEAR:1977 VESSEL/AGENCY: ASSOC.ENG.SERV.

AREA	STN	LAT	LON	DATE	CAST WATER PARAM				INSTR INT NO
					DEG	MIN	DEG	MIN	
PRINCE RUPERT	1	54 20.15	130 17.82	77 07 11 20	43		X	X	RCM4
PRINCE RUPERT	2	54 18.63	130 19.03	77 07 11 19	41		X	X	RCM4
PRINCE RUPERT	2	54 19.62	130 18.77	77 07 08 18	43		X	X	RCM4
PRINCE RUPERT	2	54 19.62	130 18.77	77 07 08 19	43		X	X	RCM4
PRINCE RUPERT	2	54 19.62	130 18.77	77 07 08 22	43		X	X	RCM4
PRINCE RUPERT	2	54 19.62	130 18.77	77 07 08 23	46		X	X	RCM4
PRINCE RUPERT	2	54 19.62	130 18.77	77 07 09 00	46		X	X	RCM4
PRINCE RUPERT	2	54 19.62	130 18.77	77 07 09 01	46		X	X	RCM4
PRINCE RUPERT	2	54 19.62	130 18.77	77 07 09 02	43		X	X	RCM4
PRINCE RUPERT	2	54 19.75	130 18.98	77 07 07 21	43		X	X	RCM4
PRINCE RUPERT	2	54 19.75	130 18.98	77 07 07 22	43		X	X	RCM4
PRINCE RUPERT	3	54 18.98	130 20.85	77 07 11 18	43		X	X	RCM4
PRINCE RUPERT	4	54 14.77	130 20.87	77 07 11 17	43		X	X	RCM4
PRINCE RUPERT	4	54 14.95	130 20.82	77 07 09 16	43		X	X	RCM4

BOTTLE/CTD DATA SET NUMBER: 78-0028A
YEAR:1978 VESSEL/AGENCY: UBC,IMP.TOFINO

AREA	STN	LAT	LON	DATE	CAST WATER PARAM				INSTR INT NO
					DEG	MIN	DEG	MIN	
DIXON ENTRANCE	1	54 29.	131 17.	78 03 14 00	3		X		
CHATHAM SOUND	4	53 59.	130 13.	78 03 16 11	3		X		

BOTTLE/CTD DATA SET NUMBER: 78-0028B
YEAR:1978 VESSEL/AGENCY: UBC,IMP.TOFINO

AREA	STN	LAT	LON	DATE	CAST WATER PARAM				INSTR INT NO
					DEG	MIN	DEG	MIN	
COASTAL INLETS	3	51 17.	127 43.	78 07 25 18	3		X		
COASTAL INLETS	4	51 23.	127 49.	78 07 26 03	3		X		
COASTAL INLETS	5	51 46.	127 55.	78 07 26 16	3		X		
COASTAL INLETS	6	52 15.	128 17.	78 07 26 20	3		X		
COASTAL INLETS	7	52 34.	128 29.	78 07 27 00	3		X		
COASTAL INLETS	8	52 58.	128 31.	78 07 27 03	3		X		
COASTAL INLETS	9	53 19.	128 56.	78 07 27 06	3		X		
COASTAL INLETS	10	54 09.	130 20.	78 07 27 15	3		X		
HECATE STRAIT	11	53 56.	130 54.	78 07 28 07	3		X		
HECATE STRAIT	12	53 45.	131 14.	78 07 28 08	3		X		
HECATE STRAIT	13	53 29.	131 30.	78 07 28 23	3		X		
COASTAL INLETS	14	53 40.	130 25.	78 07 29 08	3		X		
COASTAL INLETS	15	54 18.	130 34.	78 07 30 03	3		X		
COASTAL INLETS	16	54 51.	130 13.	78 07 30 14	3		X		
COASTAL INLETS	17	53 22.	129 19.	78 08 01 07	3		X		
COASTAL INLETS	18	52 20.	127 05.	78 08 02 14	3		X		
COASTAL INLETS	19	51 37.	127 53.	78 08 03 02	3		X		
Q.C.SOUND	20	51 00.	128 00.	78 08 03 14	3		X		

BOTTLE/CTD DATA SET NUMBER: 78-0028C
YEAR:1978 VESSEL/AGENCY: UBC,IMP.TOFINO

AREA	STN	LAT	LON	DATE	CAST WATER PARAM				INSTR	INT NO
					DEG	MIN	DEG	MIN		
					(M)	(M)	C	S	T	
COASTAL INLETS	11	50 30.	128 20.	78 08 16 00	3		X		X	
COASTAL INLETS	12	50 47.	127 30.	78 08 16 08	3		X		X	
COASTAL INLETS	13	51 06.	127 48.	78 08 16 17	3		X		X	
COASTAL INLETS	14	51 17.	127 20.	78 08 16 20	3		X		X	
COASTAL INLETS	15	51 18.	127 41.	78 08 17 02	3		X		X	
COASTAL INLETS	16	51 34.	127 34.	78 08 17 07	3		X		X	
COASTAL INLETS	17	51 55.	127 54.	78 08 17 23	3		X		X	
COASTAL INLETS	18	52 10.	128 08.	78 08 18 01	3		X		X	
COASTAL INLETS	19	53 13.	128 46.	78 08 18 14	3		X		X	
COASTAL INLETS	20	53 23.	129 17.	78 08 18 20	3		X		X	
COASTAL INLETS	21	54 17.	131 22.	78 08 19 19	3		X		X	
COASTAL INLETS	22	54 06.	131 48.	78 08 19 22	3		X		X	
COASTAL INLETS	23	54 10.	132 28.	78 08 20 02	3		X		X	
COASTAL INLETS	25	54 11.	132 45.	78 08 21 00	3		X		X	
COASTAL INLETS	26	53 17.	131 53.	78 08 21 14	3		X		X	
COASTAL INLETS	27	53 26.	131 46.	78 08 22 03	3		X		X	
COASTAL INLETS	28	53 55.	130 14.	78 08 22 14	3		X		X	
COASTAL INLETS	29	54 13.	130 24.	78 08 23 02	3		X		X	
COASTAL INLETS	30	54 37.	130 41.	78 08 23 07	3		X		X	
COASTAL INLETS	31	52 34.	128 30.	78 08 25 03	3		X		X	
COASTAL INLETS	32	52 23.	127 27.	78 08 25 17	3		X		X	
COASTAL INLETS	33	52 16.	127 17.	78 08 26 01	3		X		X	

BOTTLE/CTD DATA SET NUMBER: 78-0028D
YEAR:1978 VESSEL/AGENCY: UBC,IMP.TOFINO

AREA	STN	LAT	LON	DATE	CAST WATER PARAM				INSTR	INT NO
					DEG	MIN	DEG	MIN		
					(M)	(M)	C	S	T	
COASTAL INLETS	11	51 27.	127 50.	78 09 19 00	3		X		X	
COASTAL INLETS	12	53 18.	129 04.	78 09 19 22	3		X		X	
COASTAL INLETS	13	54 32.	130 32.	78 09 20 19	3		X		X	
COASTAL INLETS	15	53 33.	131 45.	78 09 22 17	3		X		X	
COASTAL INLETS	16	53 32.	131 22.	78 09 23 07	3		X		X	
COASTAL INLETS	17	53 49.	130 19.	78 09 24 20	3		X		X	
COASTAL INLETS	18	53 41.	129 47.	78 09 24 23	3		X		X	
COASTAL INLETS	19	52 53.	128 32.	78 09 25 17	3		X		X	
COASTAL INLETS	20	52 16.	127 43.	78 09 26 02	3		X		X	
COASTAL INLETS	21	52 05.	128 06.	78 09 26 20	3		X		X	

BOTTLE/CTD DATA SET NUMBER: 78-0028E
YEAR:1978 VESSEL/AGENCY: UBC,IMP.TOFINO

AREA	STN	LAT	LON	DATE	CAST WATER PARAM				INSTR	INT NO
					DEG	MIN	DEG	MIN		
					(M)	(M)	C	S	T	
DIXON ENTRANCE	1	54 07.	131 49.	78 10 19 05	3		X		X	
DIXON ENTRANCE	2	54 11.	132 25.	78 10 19 07	3		X		X	
HECATE STRAIT	6	53 54.	131 34.	78 10 20 14	3		X		X	
HECATE STRTAIT	7	53 32.	131 45.	78 10 20 17	3		X		X	
HECATE STRTAIT	8	53 32.	131 18.	78 10 21 07	3		X		X	
CHATHAM SOUND	9	54 13.	130 24.	78 10 21 21	3		X		X	
CHATHAM SOUND	10	54 32.	130 32.	78 10 22 04	3		X		X	
GRENVILLE CH.	11	53 52.	130 03.	78 10 23 04	3		X		X	
GRENVILLE CH.	12	53 41.	129 47.	78 10 23 06	3		X		X	

GRENVILLE CH.	13	53	20.	129	00.	78	10	23	23	3	X	X
PR. ROYAL CH.	14	53	12.	128	40.	78	10	24	00	3	X	X
MILBANKE SOUND	15	52	18.	128	30.	78	10	24	07	3	X	X
FITZ HUGH SD.	16	51	46.	127	56.	78	10	24	22	3	X	X
FITZ HUGH SD.	17	51	23.	127	50.	78	10	24	23	3	X	X

BOTTLE/CTD DATA SET NUMBER: 78-0028F
YEAR:1978 VESSEL/AGENCY: UBC,IMP.TOFINO

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								
Q.C. SOUND	4	51	08.	128	47.	79	01	03	19	3	X	X
HECATE STRAIT	7	53	56.	131	34.	79	01	05	14	3	X	X
HECATE STRAIT	8	53	16.	131	13.	79	01	06	08	3	X	X

BOTTLE/CTD DATA SET NUMBER: 78-0028G
YEAR:1978 VESSEL/AGENCY: UBC,IMP.TOFINO

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								
B.C. INLETS		51	07.	127	45.	79	04	02	04	270		X XBT
B.C. INLETS		51	27.	127	46.	79	04	07	08	240		X XBT
B.C. INLETS		51	48.	127	56.	79	04	02	08	220		X XBT
Q.C.SOUND		52	16.	128	52.	79	04	02	14	220		X XBT
HECATE STRAIT		52	50.	130	33.5	79	04	02	21	130		X XBT
B.C. INLETS		53	18.	128	54.	79	04	06	05	240		X XBT
HECATE STRAIT		53	20.	131	32.	79	04	03	01	150		X XBT
B.C. INLETS		54	16.5	130	32.	79	04	04	15	250		X XBT
B.C. INLETS	4	51	09.	127	48.	79	04	02	04	3	X	X
B.C. INLETS	5	51	53.	127	57.	79	04	02	08	3	X	X
HECATE STRAIT	6	52	18.	129	06.	79	04	02	15	3	X	X
HECATE STRAIT	7	52	48.	130	33.	79	04	02	21	3	X	X
HECATE STRAIT	8	53	22.	131	42.	79	04	03	02	3	X	X
CHATHAM SOUND	9	54	10.	130	24.	79	04	03	19	3	X	X
CHATHAM SOUND	10	54	18.	130	36.	79	04	04	15	3	X	X
B.C. INLETS	11	53	18.	128	54.	79	04	06	05	3	X	X
Q.C.SOUND	12	52	18.	128	29.	79	04	06	17	3	X	X
B.C. INLETS	13	51	27.	127	46.	79	04	07	08	3	X	X

BOTTLE/CTD DATA SET NUMBER: 78-0029A
YEAR: 1978 VESSEL/AGENCY: SEAKEM/IOS, SEALION

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						
KITIMAT	1	53 19.20	129 01.00	78 06 21 00	230	485	X	X	AMS	
KITIMAT	2	53 12.00	129 07.00	78 06 22 08	230	590	X	X	AMS	
KITIMAT	3	52 54.00	129 17.00	78 06 22 16	190	250	X	X	AMS	
KITIMAT	4	53 11.20	129 39.20	78 06 22 03	150	198	X	X	AMS	
KITIMAT	5	53 13.10	129 25.00	78 06 23 14	230		X	X	AMS	
KITIMAT	6	53 25.00	129 12.30	78 06 23 00	230		X	X	AMS	
KITIMAT	7	53 38.00	129 12.00	78 06 24 14	230		X	X	AMS	
KITIMAT	8	53 50.00	128 49.00	78 06 24 22	175		X	X	AMS	
KITIMAT	9	53 55.80	128 41.90	78 06 24 01	140	230	X	X	AMS	
KITIMAT	10	53 59.00	128 40.70	78 06 25 21	100	130	X	X	AMS	
KITIMAT	11	53 50.30	128 35.50	78 06 25 03	145	220	X	X	AMS	
KITIMAT	13	53 42.30	128 48.50	78 06 26 16	230	310	X	X	AMS	
KITIMAT	14	53 25.10	128 32.20	78 06 26 23	145	230	X	X	AMS	
KITIMAT	15	53 28.00	129 04.20	78 06 27 15	145	210	X	X	AMS	
KITIMAT	16	53 26.00	129 55.50	78 06 27 18	230	420	X	X	AMS	
KITIMAT	CTD1	53 12.00	128 44.30	78 06 21 21	230		X	X	AMS	
KITIMAT	CTD2	53 18.90	128 54.80	78 06 21 23	230		X	X	AMS	
KITIMAT	CTD3	53 20.80	129 17.70	78 06 23 20	230		X	X	AMS	
KITIMAT	CTD4	53 28.00	129 28.00	78 06 23 22	95		X	X	AMS	
KITIMAT	CTD5	53 32.00	129 12.20	78 06 23 04	215		X	X	AMS	
KITIMAT	CTD6	53 43.90	128 49.00	78 06 24 20	230		X	X	AMS	
KITIMAT	CTD7	53 51.40	128 41.50	78 06 25 06	125		X	X	AMS	
KITIMAT	CTD8	53 29.50	128 41.00	78 06 26 21	145		X	X	AMS	
KITIMAT	CTD9	53 34.80	128 48.50	78 06 26 06	125		X	X	AMS	
KITIMAT	CTD10	53 32.80	128 53.50	78 06 27 07	185		X	X	AMS	

BOTTLE/CTD DATA SET NUMBER: 78-0029B
YEAR: 1978 VESSEL/AGENCY: SEAKEM/IOS, SEALION

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						
KITIMAT	1	53 19.20	129 01.00	78 10 20 21	450	500	X	X	BOTT	
KITIMAT	2	53 12.00	129 07.00	78 10 21 05	470	540	X	X	BOTT	
KITIMAT	3	52 54.00	129 17.00	78 10 21 11	173	250	X	X	BOTT	
KITIMAT	4	53 11.20	129 39.20	78 10 21 18	141	200	X	X	BOTT	
KITIMAT	5	53 13.10	129 25.00	78 10 21 22	412	510	X	X	BOTT	
KITIMAT	6	53 25.00	129 12.30	78 10 22 06	400	420	X	X	BOTT	
KITIMAT	7	53 38.00	129 12.00	78 10 22 13	149	340	X	X	BOTT	
KITIMAT	8	53 50.00	128 48.30	78 10 22 21	300	350	X	X	BOTT	
KITIMAT	9	53 55.30	128 41.90	78 10 23 23	200	230	X	X	BOTT	
KITIMAT	10	53 59.00	128 40.80	78 10 24 04	100	120	X	X	BOTT	
KITIMAT	11	53 50.30	128 35.50	78 10 24 08	200	220	X	X	BOTT	
KITIMAT	13	53 34.80	128 48.50	78 10 24 17	275	305	X	X	BOTT	
KITIMAT	14	53 25.10	128 32.30	78 10 24 23	190	240	X	X	BOTT	
KITIMAT	15	53 26.00	129 04.20	78 10 25 05	169	205	X	X	BOTT	
KITIMAT	16	53 26.00	129 55.50	78 10 25 09	350	390	X	X	BOTT	
KITIMAT	81	53 50.00	128 48.30	78 10 23 01	300	350	X	X	BOTT	
KITIMAT	82	53 50.00	128 48.30	78 10 23 05	300	350	X	X	BOTT	
KITIMAT	83	53 50.00	128 48.30	78 10 23 09	300	350	X	X	BOTT	
KITIMAT	84	53 50.00	128 48.30	78 10 23 13	300	350	X	X	BOTT	
KITIMAT	85	53 50.00	128 48.30	78 10 23 17	300	350	X	X	BOTT	
KITIMAT	86	53 50.00	128 48.30	78 10 23 21	300	350	X	X	BOTT	
KITIMAT	CTD1	53 12.00	128 44.30	78 10 20 18	492	520	X	X	BOTT	
KITIMAT	CTD2	53 18.90	128 54.80	78 10 21 03	300	475	X	X	BOTT	
KITIMAT	CTD6	53 43.90	129 02.00	78 10 22 19	166	360	X	X	BOTT	
KITIMAT	CTD7	53 51.40	128 41.50	78 10 24 11	150	170	X	X	BOTT	
KITIMAT	CTD8	53 29.50	128 41.00	78 10 25 02	150	175	X	X	BOTT	
KITIMAT	CTD9	53 34.80	128 48.50	78 10 24 20	140	160	X	X	BOTT	

BOTTLE/CTD DATA SET NUMBER: 78-0029C
YEAR:1978 VESSEL/AGENCY: SEAKEM/IOS,SEALION

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR	INT NO		
					DEG	MIN	DEG			MIN	YR
		(M)	(M)	C	S	T					
KITIMAT	1	53 19.20	129 01.00	79	02	08	02	450	510	X	X BOTT
KITIMAT	2	53 11.60	129 07.00	79	02	08	06	495	560	X	X BOTT
KITIMAT	3	52 53.90	129 17.00	79	02	08	15	199	260	X	X BOTT
KITIMAT	4	53 11.20	129 39.20	79	02	08	22	150	210	X	X BOTT
KITIMAT	5	53 13.10	129 25.20	79	02	09	02	465	520	X	X BOTT
KITIMAT	6	53 25.00	129 12.40	79	02	09	11	375	420	X	X BOTT
KITIMAT	7	53 37.80	129 11.90	79	02	09	17	300	350	X	X BOTT
KITIMAT	8	53 50.00	128 48.20	79	02	09	22	300	340	X	X BOTT
KITIMAT	9	53 55.90	128 42.00	79	02	11	07	158	220	X	X BOTT
KITIMAT	10	53 59.00	128 40.60	79	02	11		90	100	X	X BOTT
KITIMAT	11	53 50.30	128 35.60	79	02	11	03	175	205	X	X BOTT
KITIMAT	14	53 27.50	128 36.80	79	02	12	12	200	240	X	X BOTT
KITIMAT	15	53 28.00	129 04.20	79	02	12	19	149	205	X	X BOTT
KITIMAT	16	53 25.90	128 55.50	79	02	13	01	400	430	X	X BOTT
KITIMAT	81	53 50.00	128 48.20	79	02	10	02	290	340	X	X BOTT
KITIMAT	82	53 50.00	128 48.20	79	02	10	08	262	340	X	X BOTT
KITIMAT	83	53 50.00	128 48.20	79	02	10	11	230	340	X	X BOTT
KITIMAT	84	53 50.00	128 48.20	79	02	10	16	230	340	X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 78-0037
YEAR:1978 VESSEL/AGENCY: EPS

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR	INT NO		
					DEG	MIN	DEG			MIN	YR
		(M)	(M)	C	S	T					
PORPOISE HBR	FB-1	54 11.79	130 18.78	78	07	13		12		X	X
PORPOISE HBR	P-12	54 13.23	130 17.64	78	07	13		18		X	X BOTT
PORPOISE HBR	P-17	54 17.10	130 16.80	78	07	13		25		X	X BOTT
PORPOISE HBR	P-18	54 14.21	130 18.27	78	07	13		15		X	X BOTT
PORPOISE HBR	P-20	54 12.13	130 18.32	78	07	13		20		X	X BOTT
PORPOISE HBR	PE-1	54 13.79	130 18.14	78	07	13		15		X	X BOTT
PORPOISE HBR	PE-2	54 12.79	130 17.48	78	07	13		20		X	X BOTT
PORPOISE HBR	PH-1	54 14.60	130 18.24	78	07	13		15		X	X BOTT

BOTTLE/CTD DATA SET NUMBER: 78-0047
YEAR:1978 VESSEL/AGENCY: A.HARVESTER

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR	INT NO		
					DEG	MIN	DEG			MIN	YR
		(M)	(M)	C	S	T					
Q.C. SOUND	1	51 08.00	128 25.00	78	01	25	11	184	184	X	XBT
Q.C. SOUND	2	51 13.00	128 48.00	78	01	25	15	182	182	X	XBT
Q.C. SOUND	3	51 10.00	128 45.00	78	01	26	09	85	85	X	XBT
Q.C. SOUND	4	51 12.00	128 27.00	78	01	26	12	192	192	X	XBT
Q.C. SOUND	5	51 12.00	128 10.00	78	01	27	09	159	159	X	XBT
Q.C. SOUND	6	51 15.00	129 00.00	78	01	27	13	200	200	X	XBT
Q.C. SOUND	7	51 23.00	129 15.00	78	01	28	08	98	98	X	XBT
Q.C. SOUND	8	51 06.00	129 17.00	78	01	28	18	184	184	X	XBT
Q.C. SOUND	9	51 15.00	129 04.00	78	01	29	10	192	216	X	XBT
Q.C. SOUND	10	51 24.00	128 54.00	78	01	29	14	196	196	X	XBT
Q.C. SOUND	11	51 22.00	128 42.00	78	01	31	10	208	208	X	XBT
Q.C. SOUND	12	51 28.00	129 28.00	78	01	31	18	132	132	X	XBT
Q.C. SOUND	13	51 35.00	129 50.00	78	02	01	09	170	170	X	XBT
Q.C. SOUND	14	51 23.00	129 17.00	78	02	02		118	118	X	XBT

BOTTLE/CTD DATA SET NUMBER: 78-0048
 YEAR: 1978 VESSEL/AGENCY: G.B.REED

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR	INT NO			
					DEG	MIN	DEG			MIN	YR	MO
					(M)	(M)	C	S	T			
Q.C. SOUND	1	51 13.00	128 34.00	78 01 26 08	195	195		X	XBT			
Q.C. SOUND	2	51 06.00	128 54.00	78 01 27 20	63			X	XBT			
Q.C. SOUND	3	51 05.00	129 06.00	78 01 27 23	135			X	XBT			
Q.C. SOUND	4	51 17.00	128 46.00	78 01 30 10	190	193		X	XBT			

BOTTLE/CTD DATA SET NUMBER: 78-0049
 YEAR: 1978 VESSEL/AGENCY: A.HARVESTER

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR	INT NO			
					DEG	MIN	DEG			MIN	YR	MO
					(M)	(M)	C	S	T			
Q.C. SOUND	1	50 50.00	127 48.00	78 03 15 08	162	162	X		XBT			
Q.C. SOUND	2	51 08.00	128 19.00	78 03 15 10	178	178		X	XBT			
Q.C. SOUND	3	51 16.00	128 42.00	78 03 15 11	175	175	X		XBT			
Q.C. SOUND	4	51 24.00	128 53.00	78 03 15 12	208	208		X	XBT			
Q.C. SOUND	5	51 36.00	129 10.00	78 03 15 14	47	47	X		XBT			
DIXON ENTRANCE	6	54 01.00	131 00.00	78 03 16 13	96	96		X	XBT			
DIXON ENTRANCE	7	54 09.00	131 02.00	78 03 17 17	100	100		X	XBT			
DIXON ENTRANCE	8	54 16.00	131 03.00	78 03 17 11	116	116	X		XBT			
DIXON ENTRANCE	9	54 29.00	131 59.00	78 03 18 02	279	279		X	XBT			
DIXON ENTRANCE	11	54 33.00	132 01.00	78 03 18 12	296	296	X		XBT			
DIXON ENTRANCE	12	54 40.00	131 52.00	78 03 19 17	340	340		X	XBT			
DIXON ENTRANCE	13	54 18.00	130 42.00	78 03 19 08	0		X		XBT			
DIXON ENTRANCE	14	54 17.00	130 46.00	78 03 19 11	178	178		X	XBT			
DIXON ENTRANCE	15	54 40.00	130 43.00	78 03 19 18	640		X		XBT			
DIXON ENTRANCE	16	54 20.00	131 04.00	78 03 20 02	92			X	XBT			
DIXON ENTRANCE	17	54 28.00	111 00.00	78 03 20 11	168		X		XBT			
HECATE STRAIT	19	53 49.00	130 42.00	78 03 21 10	0		X		XBT			
DIXON ENTRANCE	20	54 25.00	131 29.00	78 03 21 18	270		X		XBT			
DIXON ENTRANCE	21	54 17.00	131 05.00	78 03 22 11	93	93		X	XBT			
DIXON ENTRANCE	22	54 29.00	130 37.00	78 03 23 11	92	92		X	XBT			
HECATE STRAIT	23	52 54.00	129 31.00	78 03 24 19	272	272		X	XBT			
HECATE STRAIT	24	53 11.00	129 23.00	78 03 25 13	460			X	XBT			
HECATE STRAIT	26	52 35.00	128 28.00	78 03 27 10	460			X	XBT			
DIXON ENTRANCE	10A	54 30.00	132 25.00	78 03 18 08	340	340	X		XBT			
DIXON ENTRANCE	10B	54 30.00	132 25.00	78 03 18 08	50	340		X	XBT			
DIXON ENTRANCE	18A	54 27.00	131 25.00	78 03 20 16	0		X		XBT			
DIXON ENTRANCE	18B	54 27.00	131 25.00	78 03 20 18	250		X		XBT			
HECATE STRAIT	25A	52 39.00	128 29.00	78 03 26 13	450			X	XBT			
HECATE STRAIT	25B	52 39.00	128 29.00	78 03 26 13	200		X		XBT			

BOTTLE/CTD DATA SET NUMBER: 78-0050
 YEAR: 1978 VESSEL/AGENCY: A.HARVESTER

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR	INT NO			
					DEG	MIN	DEG			MIN	YR	MO
					(M)	(M)	C	S	T			
DIXON ENTRANCE	28	54 17.00	133 04.00	78 05 23 07	425	425		X	XBT			
Q.C. SOUND	42	51 53.00	131 02.00	78 05 29 15	150			X	XBT			
Q.C. SOUND	43	51 08.00	128 41.00	78 05 30 08	105	105		X	XBT			
Q.C. SOUND	44	51 10.00	128 43.00	78 05 30 10	132	132		X	XBT			
Q.C. SOUND	45	51 10.00	128 40.00	78 05 30 11	125	125		X	XBT			
Q.C. SOUND	46	51 11.00	128 37.00	78 05 30 13	150	150		X	XBT			
Q.C. SOUND	47	51 41.00	130 29.00	78 05 30 17	425	425		X	XBT			
Q.C. SOUND	48	51 30.00	129 54.00	78 05 30 19	198	198		X	XBT			

Q.C. SOUND 49 51 21.00 129 28.00 78 05 30 21 175 175 X XBT

BOTTLE/CTD DATA SET NUMBER: 78-0051
YEAR:1978 VESSEL/AGENCY: A.HARVESTER

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR	INT NO			
					DEG	MIN	DEG			MIN	YR	MO
Q.C. SOUND	9	51 12.00	128 19.00	78	07	10	09		65	65	X	BT
Q.C. SOUND	10	51 06.00	128 38.00	78	07	10	10		75	85	X	X BOT
Q.C. SOUND	11	50 44.00	128 37.00	78	07	11	11		100	117	X	X BOT

BOTTLE/CTD DATA SET NUMBER: 78-0052
YEAR:1978 VESSEL/AGENCY: M.V.NEMESIS

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR	INT NO			
					DEG	MIN	DEG			MIN	YR	MO
Q.C. SOUND	1	51 09.00	128 42.00	78	07	06	21		90		X	XBT
HECATE STRAIT	1	54 32.00	132 50.00	78	07	08	10		264	264	X	XBT
Q.C. SOUND	2	51 22.00	129 04.00	78	07	06	12		230	230	X	XBT
DIXON ENTRANCE	2	54 32.00	131 40.00	78	07	11	13		321	321	X	XBT
Q.C. SOUND	3	51 49.00	129 41.00	78	07	06	19		280	280	X	XBT
DIXON ENTRANCE	3	54 56.00	130 59.00	78	07	12	19		368	368	X	XBT
Q.C. SOUND	4	52 20.00	130 06.00	78	07	06	23		225	225	X	XBT
HECATE STRAIT	5	53 53.00	130 57.00	78	07	07	14		90		X	XBT
HECATE STRAIT	6	53 59.00	131 02.00	78	07	07	16		85		X	XBT
DIXON ENTRANCE	7	54 23.00	131 15.00	78	07	07	21		120	120	X	XBT
DIXON ENTRANCE	8	54 25.00	131 09.00	78	07	08	10		135		X	XBT
DIXON ENTRANCE	9	54 19.00	131 23.00	78	07	08	13		113	113	X	XBT
DIXON ENTRANCE	10	54 18.00	131 27.00	78	07	08	15		106	106	X	XBT
DIXON ENTRANCE	11	54 20.00	131 29.00	78	07	08	16		145	145	X	XBT
DIXON ENTRANCE	12	54 18.00	131 32.00	78	07	09	09		135	135	X	XBT
DIXON ENTRANCE	13	54 17.00	131 34.00	78	07	09	09		118	118	X	XBT
DIXON ENTRANCE	14	54 17.00	131 35.00	78	07	09	10		73		X	XBT
DIXON ENTRANCE	15	54 23.00	131 33.00	78	07	09	12		190	190	X	XBT
DIXON ENTRANCE	16	54 25.00	131 19.00	78	07	09	14		200		X	XBT
DIXON ENTRANCE	17	54 29.00	131 14.00	78	07	09	18		108		X	XBT
DIXON ENTRANCE	18	54 31.00	131 04.00	78	07	10	08		158		X	XBT
DIXON ENTRANCE	19	54 29.00	131 08.00	78	07	10	12		128	128	X	XBT
DIXON ENTRANCE	20	54 27.00	131 12.00	78	07	10	14		125	125	X	XBT
DIXON ENTRANCE	21	54 15.00	131 17.00	78	07	11	10		137	137	X	XBT
DIXON ENTRANCE	22	54 14.00	131 18.00	78	07	11	11		133	133	X	XBT
DIXON ENTRANCE	23	54 16.00	131 58.00	78	07	11	13		200	200	X	XBT
DIXON ENTRANCE	24	54 12.00	131 52.00	78	07	11	15		106	106	X	XBT
DIXON ENTRANCE	25	54 14.00	131 43.00	78	07	11	16		98	98	X	XBT
DIXON ENTRANCE	26	54 14.00	131 40.00	78	07	11	17		70		X	XBT
DIXON ENTRANCE	27	54 37.00	132 09.00	78	07	12	09		157	157	X	XBT

BOTTLE/CTD DATA SET NUMBER: 78-0053
YEAR:1978 VESSEL/AGENCY: G.B.REED

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR	INT NO			
					DEG	MIN	DEG			MIN	YR	MO
Q.C. SOUND	1	51 06.00	128 04.00	78	07	29	09		140	140	X	XBT
Q.C. SOUND	2	51 13.00	128 36.00	78	07	29	12		192	192	X	XBT
Q.C. SOUND	3	51 24.00	128 45.00	78	07	29	13		214	214	X	X BOT
Q.C. SOUND	4	51 20.00	128 58.00	78	07	29	14		240	240	X	XBT

Q.C. SOUND	5	51 16.00	129 10.00	78 07 29 15	260	260	X	XBT
Q.C. SOUND	6	51 10.00	129 28.00	78 07 29 16	280	280	X	XBT
Q.C. SOUND	7	51 05.00	129 43.00	78 07 29 18	481	540	X	BOT
Q.C. SOUND	8	51 15.00	129 48.00	78 07 29 19	450	470	X	XBT
Q.C. SOUND	9	51 29.00	129 54.00	78 07 29 22	228	228	X	BOT
Q.C. SOUND	10	51 40.00	130 00.00	78 07 30 03	352	352	X	BOT
Q.C. SOUND	11	51 47.00	129 52.00	78 07 30 00	312	312	X	XBT
Q.C. SOUND	12	51 53.00	129 40.00	78 07 30 01	236	236	X	XBT
Q.C. SOUND	13	52 00.00	129 30.00	78 07 30 03	205	205	X	BOT
Q.C. SOUND	14	52 00.00	129 49.00	78 07 30 04	115	115	X	XBT
Q.C. SOUND	15	52 00.00	130 08.00	78 07 30 05	159	159	X	XBT
Q.C. SOUND	16	52 00.00	130 30.00	78 07 30 06	353	353	X	BOT
HECATE STRAIT	17	52 10.00	130 22.00	78 07 30 07	366	366	X	XBT
HECATE STRAIT	18	52 20.00	130 15.00	78 07 30 08	366	366	X	XBT
HECATE STRAIT	19	52 30.00	130 06.00	78 07 30 09	283	283	X	BOT
Q.C. SOUND	1A	51 08.00	128 17.00	78 07 29 11	165	165	X	XBT
HECATE STRAIT	20	52 40.00	130 09.00	78 07 30 10	232	232	X	XBT
HECATE STRAIT	21	52 50.00	130 12.00	78 07 30 11	245	245	X	XBT
HECATE STRAIT	22	53 00.00	130 15.00	78 07 30 12	220	220	X	XBT
HECATE STRAIT	23	53 09.00	130 29.00	78 07 30 13	207	207	X	XBT
HECATE STRAIT	24	53 17.00	130 43.00	78 07 30 14	181	181	X	BOT
HECATE STRAIT	25	53 25.00	130 44.00	78 07 30 16	116	116	X	XBT
HECATE STRAIT	26	53 35.00	130 45.00	78 07 30 16	180	180	X	BOT
HECATE STRAIT	27	53 44.00	130 46.00	78 07 30 17	126	126	X	BOT
HECATE STRAIT	28	53 52.00	130 53.00	78 07 30 18	91	91	X	BOT
HECATE STRAIT	29	54 00.00	131 00.00	78 07 30 19	63	63	X	BOT
HECATE STRAIT	30	54 09.00	131 01.00	78 07 30 20	105	105	X	BOT
DIXON ENTRANCE	31	54 18.00	131 02.00	78 07 30 21	106	106	X	BOT
DIXON ENTRANCE	32	54 20.00	131 22.00	78 07 30 22	160	160	X	XBT
DIXON ENTRANCE	33	54 23.00	131 41.00	78 07 31 00	247	247	X	XBT
DIXON ENTRANCE	34	54 25.00	132 00.00	78 07 31 01	307	307	X	XBT
DIXON ENTRANCE	35	54 23.00	132 21.00	78 07 31 02	143		X	XBT
DIXON ENTRANCE	36	54 19.00	132 51.00	78 07 31 04	373	373	X	XBT
DIXON ENTRANCE	52	54 20.00	133 10.00	78 08 01 20	457	457	X	XBT
DIXON ENTRANCE	53	54 20.00	133 00.00	78 08 01 21	475	475	X	BOT
DIXON ENTRANCE	56	54 19.00	133 07.00	78 08 08 08	460	472	X	XBT
Q.C. SOUND	62	51 48.00	130 58.00	78 08 09 01	1210	1210	X	XBT
Q.C. SOUND	63	51 41.00	130 34.00	78 08 09 02	1130	1130	X	XBT

BOTTLE/CTD DATA SET NUMBER: 78-0054
YEAR:1978 VESSEL/AGENCY: PBS,G.B.REED

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			
Q.C. SOUND	1	51 05.00	128 19.00	78 08 30 05	173	173		X	XBT	
Q.C. SOUND	2	51 13.00	128 35.00	78 08 30 06	198	198		X	XBT	
Q.C. SOUND	3	51 20.00	128 58.00	78 08 30 08	240	240		X	XBT	
Q.C. SOUND	4	51 18.00	129 18.00	78 08 30 17	275	280		X	XBT	
Q.C. SOUND	5	51 20.00	129 19.00	78 08 30 17	250	250		X	XBT	
Q.C. SOUND	6	51 20.00	129 19.00	78 08 30 17	208	208		X	XBT	
Q.C. SOUND	7	51 22.00	129 23.00	78 08 30 18	175	176		X	XBT	
Q.C. SOUND	8	51 24.00	129 23.00	78 08 30 18	142	142		X	XBT	
Q.C. SOUND	9	51 15.00	129 11.00	78 08 30 19	268	268	X	X	BOT	
Q.C. SOUND	10	51 10.00	129 27.00	78 08 30 20	278	278		X	XBT	
Q.C. SOUND	11	51 05.00	129 43.00	78 08 30 22	556	604	X	X	BOT	
Q.C. SOUND	12	51 15.00	129 48.00	78 08 30 23	460	585		X	XBT	
Q.C. SOUND	13	51 29.00	129 54.00	78 08 31 00	165	176		X	XBT	
Q.C. SOUND	14	51 40.00	130 00.00	78 08 31 06	351	351	X	X	BOT	
Q.C. SOUND	15	51 43.00	129 47.00	78 08 31 10	312	312.		X	XBT	
Q.C. SOUND	16	51 48.00	129 37.00	78 08 31 12	274	274		X	XBT	
Q.C. SOUND	17	51 51.00	129 28.00	78 08 31 13	200	200		X	XBT	
Q.C. SOUND	18	51 55.00	129 19.00	78 08 31 16	212	212		X	XBT	
Q.C. SOUND	19	52 00.00	129 29.00	78 08 31 22	220	220		X	XBT	
Q.C. SOUND	20	52 00.00	129 48.00	78 08 31 23	117	117		X	XBT	
Q.C. SOUND	21	52 00.00	130 08.00	78 09 01 00	164	164		X	XBT	
Q.C. SOUND	22	52 00.00	130 29.00	78 09 01 06	351	351	X	X	BOT	
HECATE STRAIT	23	52 10.00	130 21.00	78 09 01 15	370	370		X	XBT	
HECATE STRAIT	24	52 20.00	130 15.00	78 09 01 16	369	369	X	X	BOT	
HECATE STRAIT	25	52 30.00	130 06.00	78 09 01 17	283	283		X	XBT	
HECATE STRAIT	26	52 40.00	130 09.00	78 09 01 18	240	240		X	XBT	
HECATE STRAIT	27	52 50.00	130 12.00	78 09 01 19	231	231		X	XBT	
HECATE STRAIT	28	53 00.00	130 15.00	78 09 01 20	225	225		X	XBT	
HECATE STRAIT	29	53 09.00	130 28.00	78 09 01 21	210	210		X	XBT	
HECATE STRAIT	30	53 17.00	130 42.00	78 09 01 22	192	192		X	XBT	

HECATE STRAIT	31	52 00.00	130 26.00	78 09 02 11	418	418	X	XBT
HECATE STRAIT	32	52 15.00	130 15.00	78 09 04 18	433	433	X	XBT
HECATE STRAIT	33	52 20.00	130 21.00	78 09 04 19	274	274	X	XBT
HECATE STRAIT	34	52 20.00	130 22.00	78 09 04 19	246	246	X	XBT
HECATE STRAIT	35	52 20.00	130 22.00	78 09 04 19	226	226	X	XBT
HECATE STRAIT	36	52 20.00	130 28.00	78 09 04 19	204	204	X	XBT
HECATE STRAIT	37	52 20.00	130 30.00	78 09 04 20	175	175	X	XBT
HECATE STRAIT	38	52 24.00	130 59.00	78 09 05 12	245	245	X	XBT
HECATE STRAIT	39	52 23.00	130 04.00	78 09 05 13	275	280	X	XBT
HECATE STRAIT	40	52 23.00	130 07.00	78 09 05 13	280	280	X	BOT
HECATE STRAIT	41	52 29.00	129 56.00	78 09 06 17	242	242	X	XBT
HECATE STRAIT	42	52 31.00	130 29.00	78 09 07 09	179	179	X	XBT
HECATE STRAIT	43	52 50.00	130 20.00	78 09 08 16	210	210	X	XBT
HECATE STRAIT	44	53 25.00	130 44.00	78 09 10 17	135	135	X	XBT
HECATE STRAIT	45	53 35.00	130 45.00	78 09 10 19	135	135	X	XBT
HECATE STRAIT	46	53 44.00	130 45.00	78 09 10 20	122	122	X	XBT
HECATE STRAIT	47	53 51.00	130 53.00	78 09 10 21	98	98	X	XBT
HECATE STRAIT	48	54 00.00	130 59.00	78 09 10 22	63	63	X	XBT
HECATE STRAIT	49	54 09.00	131 02.00	78 09 10 23	115	115	X	XBT
HECATE STRAIT	50	54 17.00	131 02.00	78 09 11 00	105	105	X	XBT
HECATE STRAIT	51	53 00.00	130 45.00	78 09 13 15	104	104	X	XBT
HECATE STRAIT	52	53 00.00	130 15.00	78 09 16 16	225	225	X	XBT
HECATE STRAIT	53	52 50.00	130 12.00	78 09 16 17	206	206	X	XBT
HECATE STRAIT	54	52 40.00	130 09.00	78 09 16 18	245	245	X	XBT
HECATE STRAIT	55	52 30.00	130 06.00	78 09 16 19	275		X	XBT
HECATE STRAIT	56	52 30.00	130 06.00	78 09 16 19	283	283	X	BOT
HECATE STRAIT	57	52 20.00	130 15.00	78 09 16 20	375	375	X	XBT
HECATE STRAIT	58	52 10.00	130 21.00	78 09 16 21	373	373	X	XBT
Q.C. SOUND	59	52 00.00	130 29.00	78 09 16 23	380	380	X	BOT
Q.C. SOUND	60	52 00.00	130 20.00	78 09 17 16	360	360	X	XBT
Q.C. SOUND	61	52 00.00	130 08.00	78 09 17 17	164	164	X	XBT
Q.C. SOUND	62	52 00.00	129 48.00	78 09 17 18	124	124	X	XBT
Q.C. SOUND	63	52 00.00	129 29.00	78 09 17 19	210	210	X	BOT
Q.C. SOUND	64	51 53.00	129 40.00	78 09 17 20	235	235	X	XBT
Q.C. SOUND	65	51 47.00	129 49.00	78 09 17 21	323	323	X	XBT
Q.C. SOUND	66	51 40.00	130 00.00	78 09 17 22	355	355	X	BOT
Q.C. SOUND	67	51 29.00	129 54.00	78 09 17 23	218	218	X	XBT
Q.C. SOUND	68	51 15.00	129 48.00	78 09 18 01	320		X	XBT
Q.C. SOUND	69	51 05.00	129 43.00	78 09 18 02	549	618	X	BOT
Q.C. SOUND	70	51 10.00	129 27.00	78 09 18 15	278	278	X	XBT
Q.C. SOUND	71	51 15.00	129 11.00	78 09 18 16	267	267	X	XBT
Q.C. SOUND	72	51 20.00	128 58.00	78 09 18 17	235	235	X	XBT

BOTTLE/CTD DATA SET NUMBER: 78-0055
YEAR:1978 VESSEL/AGENCY: PBS,A.HARVESTER

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						
Q.C. SOUND	3	51 02.00	128 01.00	78 09 22 13	143	143		X	XBT	
Q.C. SOUND	4	51 23.00	129 18.00	78 09 23 15	132	132		X	XBT	
Q.C. SOUND	5	51 21.00	129 14.00	78 09 23 18	212	212		X	XBT	
Q.C. SOUND	6	51 18.00	129 23.00	78 09 24 09	253	253		X	XBT	
HECATE STRAIT	7	52 18.00	130 15.00	78 09 24 18	375	375		X	XBT	
HECATE STRAIT	8	52 34.00	130 12.00	78 09 24 19	268	268		X	XBT	
HECATE STRAIT	9	52 46.00	130 07.00	78 09 24 20	225	225		X	XBT	
HECATE STRAIT	10	53 06.00	130 19.00	78 09 24 22	195	195		X	XBT	

BOTTLE/CTD DATA SET NUMBER: 78-0056
YEAR:1978 VESSEL/AGENCY: PBS,G.B.REED

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						
Q.C. SOUND	1	51 13.00	129 24.00	78 10 21 05	284	284		X	XBT	
Q.C. SOUND	2	51 20.00	129 06.00	78 10 21 06	250	250		X	XBT	
Q.C. SOUND	3	51 23.00	128 47.00	78 10 21 08	223	223		X	XBT	

Q.C. SOUND	4	51	16.00	128	43.00	78	10	21	08	195	195	X	XBT
Q.C. SOUND	5	51	07.00	128	19.00	78	10	21	10	186	186	X	XBT
Q.C. SOUND	6	51	01.00	128	07.00	78	10	21	11	132	132	X	XBT

BOTTLE/CTD DATA SET NUMBER: 79-0036A
YEAR:1979 VESSEL/AGENCY: UBC,IMP.TOFINO

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						
B.C. COASTAL	5	51 47.	127 55.	79 05 11 03	3	333	X	X		
B.C. COASTAL	6	52 20.	128 30.	79 05 11 11	3	225	X	X		
B.C. COASTAL	7	53 11.	128 48.	79 05 11 17	3	432	X	X		
B.C. COASTAL	8	53 05.	130 02.	79 05 12 02	3	90	X	X		
B.C. COASTAL	9	53 24.	131 33.	79 05 12 07	3	18	X	X		
B.C. COASTAL	10	54 00.	130 46.	79 05 13 03	3	90	X	X		
B.C. COASTAL	11	54 11.	130 21.	79 05 13 05	3	54	X	X		
B.C. COASTAL	12	54 51.	130 13.	79 05 14 00	3	423	X	X		
B.C. COASTAL	13	54 34.	130 30.	79 05 14 06	3	171	X	X		
B.C. COASTAL	14	53 42.	129 47.	79 05 15 03	3	180	X	X		
B.C. COASTAL	15	53 24.	129 13.	79 05 15 07	3	405	X	X		
B.C. COASTAL	16	53 11.	128 48.	79 05 15 21	3	432	X	X		
B.C. COASTAL	17	52 21.	128 31.	79 05 16 04	3	180	X	X		
B.C. COASTAL	18	51 24.	127 50.	79 05 16 14	3	108	X	X		
B.C. COASTAL	19	51 09.	127 48.	79 05 16 22	3	59	X	X		

BOTTLE/CTD DATA SET NUMBER: 79-0036B
YEAR:1979 VESSEL/AGENCY: UBC,IMP. TOFINO

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						
	8	51 10.	127 50.	79 06 24 03	3	95	X	X		
	9	51 23.	127 49.	79 06 24 14	3	90	X	X		
	10	51 47.	127 55.	79 06 25 03	3	308	X	X		
	11	53 11.	128 43.	79 06 25 21	3	540	X	X		
	12	53 22.	129 13.	79 06 26 10	3	378	X	X		
DIXON ENTRANCE	13	54 36.	130 32.	79 06 27 14	3	284	X	X		
DIXON ENTRANCE	14	54 30.	131 05.	79 06 27 17	3	139	X	X		
DIXON ENTRANCE	15	54 14.	131 16.	79 06 27 19	3	25	X	X		
	16	53 18.	131 56.	79 06 28 01	3	49	X	X		
	17	53 42.	131 17.	79 06 28 15	3	29	X	X		
	18	53 53.	130 59.	79 06 28 17	3	72	X	X		
	19	54 09.	130 24.	79 06 28 20	3	90	X	X		
	20	52 17.	128 29.	79 06 30 15	3	157	X	X		

BOTTLE/CTD DATA SET NUMBER: 79-0036C
YEAR:1979 VESSEL/AGENCY: UBC,IMP. TOFINO

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						
	4	51 15.	127 49.	79 07 17 10	3	90	X	X		
	5	51 47.	127 55.	79 07 17 17	3	308	X	X		
	6	52 25.	128 30.	79 07 18 19	3	450	X	X		
DIXON ENTRANCE	7	54 15.	131 47.	79 07 21 16	3	162	X	X		
DIXON ENTRANCE	8	54 13.	132 26.	79 07 21 18	3	126	X	X		
DIXON ENTRANCE	11	54 18.	131 16.	79 07 22 22	3	63	X	X		
PORTLAND INLET	12	54 51.	130 13.	79 07 24 04	3	423	X	X		

DIXON ENTRANCE	13	54 09.	130 23.	79 07 25 00	3	63	X	X
DIXON ENTRANCE	14	54 00.	130 46.	79 07 25 02	3	90	X	X
B.C. COASTAL	15	53 52.	131 00.	79 07 25 03	3	72	X	X
B.C. COASTAL	16	53 41.	131 21.	79 07 25 05	3	22	X	X
B.C. COASTAL	17	53 25.	131 52.	79 07 25 07	3	11	X	X
B.C. COASTAL	18	53 10.	129 06.	79 07 26 19	3	504	X	X
B.C. COASTAL	19	53 10.	128 39.	79 07 26 22	3	473	X	X
B.C. COASTAL	20	51 10.	127 52.	79 07 28 07	3	126	X	X

BOTTLE/CTD DATA SET NUMBER: 79-0036D
YEAR: 1979 VESSEL/AGENCY: UBC, IMP. TOFINO

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			
Q.C. SOUND	9	51 07.	127 49.	80 01 31 23	3	108	X	X	
Q.C. SOUND	10	51 11.	127 49.	80 02 01 00	3	108	X	X	
Q.C. SOUND	11	51 32.	127 52.	80 02 01 09	3	162	X	X	
Q.C. SOUND	12	51 47.	127 55.	80 02 01 11	3	360	X	X	
B.C. COASTAL	13	52 16.	128 25.	80 02 02 04	3	72	X	X	
B.C. COASTAL	14	52 21.	128 31.	80 02 02 04	3	234	X	X	
CHATHAM SOUND	15	54 08.	130 19.	80 02 02 19	3	72	X	X	
HECATE STRAIT	16	53 43.	130 25.	80 02 03 11	3	90	X	X	
HECATE STRAIT	17	53 41.	130 34.	80 02 03 11	3	45	X	X	
HECATE STRAIT	18	53 39.	130 42.	80 02 03 12	3	144	X	X	
HECATE STRAIT	19	53 37.	130 51.	80 02 03 12	3	63	X	X	
HECATE STRAIT	20	53 36.	130 59.	80 02 03 13	3	45	X	X	
HECATE STRAIT	21	53 32.	131 14.	80 02 03 14	3	27	X	X	
HECATE STRAIT	22	53 17.	131 54.	80 02 04 09	3	45	X	X	
HECATE STRAIT	23	53 25.	131 50.	80 02 04 10	3	9	X	X	
HECATE STRAIT	24	53 27.	131 41.	80 02 04 10	3	20	X	X	
HECATE STRAIT	25	53 29.	131 37.	80 02 04 11	3	20	X	X	
HECATE STRAIT	26	53 33.	131 21.	80 02 04 12	3	22	X	X	
HECATE STRAIT	27	53 37.	131 07.	80 02 04 13	3	36	X	X	
CHATHAM SOUND	28	54 25.	130 34.	80 02 05 19	3	90	X	X	
CHATHAM SOUND	29	54 12.	130 28.	80 02 05 20	3	90	X	X	
GRENVILLE CH.	30	53 41.	129 49.	80 02 06 00	3	108	X	X	
GRENVILLE CH.	31	53 21.	129 14.	80 02 06 03	3	490	X	X	
B.C. COASTAL	32	53 38.	128 35.	80 02 06 16	3	468	X	X	
B.C. COASTAL	33	52 18.	128 28.	80 02 06 23	3	108	X	X	
Q.C. SOUND	34	51 30.	128 15.	80 02 07 06	3	90	X	X	
Q.C. SOUND	35	51 17.	128 18.	80 02 07 07	3	72	X	X	
Q.C. SOUND	36	50 52.	128 13.	80 02 08 04	3	36	X	X	

BOTTLE/CTD DATA SET NUMBER: 79-0036E
YEAR: 1979 VESSEL/AGENCY: UBC, IMP. TOFINO

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			
B.C. COASTAL	7	51 00.	127 51.	80 04 11 10	3	126	X	X	
B.C. COASTAL	8	51 05.	128 07.	80 04 11 11	3	157	X	X	
B.C. COASTAL	9	51 09.	128 19.	80 04 11 12	3	139	X	X	
B.C. COASTAL	10	51 13.	128 34.	80 04 11 13	3	171	X	X	
B.C. COASTAL	11	51 39.	130 03.	80 04 11 19	3	432	X	X	
B.C. COASTAL	12	51 45.	130 22.	80 04 11 21	3	223	X	X	
B.C. COASTAL	13	51 46.	130 25.	80 04 12 00	3	144	X	X	
DIXON ENTRANCE	18	54 13.	132 26.	80 04 13 06	3	90	X	X	
DIXON ENTRANCE	19	54 14.	132 09.	80 04 13 07	3	126	X	X	
DIXON ENTRANCE	20	54 16.	131 30.	80 04 13 09	3	151	X	X	
HECATE STRAIT	21	53 30.	131 40.	80 04 14 05	3	18	X	X	
HECATE STRAIT	22	53 36.	131 30.	80 04 14 06	3	18	X	X	
HECATE STRAIT	23	53 44.	131 18.	80 04 14 07	3	36	X	X	
HECATE STRAIT	24	53 51.	131 02.	80 04 14 08	3	72	X	X	
HECATE STRAIT	25	53 59.	130 47.	80 04 14 09	3	18	X	X	
CHATHAM SOUND	26	54 31.	130 31.	80 04 15 02	3	144	X	X	
CHATHAM SOUND	27	54 24.	130 34.	80 04 15 03	3	126	X	X	

CHATHAM SOUND	28	54 06.	130 22.	80 04 15 04	3	108	X	X
B.C. COASTAL	29	53 07.	128 35.	80 04 15 22	3	360	X	X
B.C. COASTAL	30	52 20.	128 30.	80 04 16 05	3	173	X	X
B.C. COASTAL	31	51 52.	127 55.	80 04 17 00	3	306	X	X
B.C. COASTAL	32	51 22.	127 50.	80 04 17 01	3	34	X	X
B.C. COASTAL	33	51 11.	127 58.	80 04 17 04	3	36	X	X
Q.C. SOUND	34	51 05.	128 05.	80 04 17 05	3	126	X	X
Q.C. SOUND	35	51 00.	128 10.	80 04 17 05	3	180	X	X
Q.C. SOUND	36	50 54.	128 17.	80 04 17 06	3	36	X	X
Q.C. SOUND	37	50 51.	128 22.	80 04 17 06	3	36	X	X

BOTTLE/CTD DATA SET NUMBER: 79-0036F
YEAR:1979 VESSEL/AGENCY: UBC,IMP. TOFINO

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						
B.C. COASTAL	11	51 39.	127 54.	80 06 01 11	3	292	X	X		
B.C. COASTAL	12	51 47.	127 55.	80 06 01 12	3	360	X	X		
B.C. COASTAL	13	52 13.	128 09.	80 06 01 18	3	108	X	X		
B.C. COASTAL	14	52 23.	128 30.	80 06 01 20	3	216	X	X		
B.C. COASTAL	15	53 10.	128 38.	80 06 02 02	3	486	X	X		
B.C. COASTAL	16	53 19.	129 08.	80 06 02 04	3	270	X	X		
DIXON ENTRANCE	17	54 07.	130 18.	80 06 02 13	3	65	X	X		
HECATE STRAIT	18	53 59.	130 48.	80 06 02 23	3	22	X	X		
HECATE STRAIT	19	53 46.	131 15.	80 06 03 01	3	41	X	X		
HECATE STRAIT	20	53 29.	131 47.	80 06 03 03	3	14	X	X		
HECATE STRAIT	21	53 28.	131 33.	80 06 03 18	3	18	X	X		
HECATE STRAIT	22	53 33.	131 02.	80 06 03 21	3	34	X	X		
HECATE STRAIT	23	53 50.	130 19.	80 06 04 02	3	180	X	X		
DIXON ENTRANCE	24	54 37.	130 42.	80 06 04 15	3	54	X	X		
DIXON ENTRANCE	25	54 20.	130 34.	80 06 04 22	3	56	X	X		
DIXON ENTRANCE	26	54 10.	130 23.	80 06 05 00	3	90	X	X		
B.C. COASTAL	27	53 35.	129 40.	80 06 05 04	3	90	X	X		
B.C. COASTAL	28	52 17.	128 27.	80 06 05 20	3	72	X	X		
B.C. COASTAL	29	51 26.	127 49.	80 06 06 08	3	108	X	X		
B.C. COASTAL	30	51 07.	128 00.	80 06 06 09	3	117	X	X		

BOTTLE/CTD DATA SET NUMBER: 79-0051
YEAR:1979 VESSEL/AGENCY: EPS

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						
PORPOISE HBR	B10	54 13.19	130 17.60	79 06 03 22	25		X	X	PLES	
PORPOISE HBR	B10	54 13.19	130 17.60	79 06 04 19	25		X	X	PLES	
PORPOISE HBR	B13	54 11.90	130 18.58	79 06 03 23	25		X	X	PLES	
PORPOISE HBR	B13	54 11.90	130 18.58	79 06 04 18	25		X	X	PLES	
PORPOISE HBR	F12	54 13.22	130 17.63	79 06 04 00	15		X	X	PLES	
PORPOISE HBR	F12	54 13.22	130 17.63	79 06 04 20	20		X	X	PLES	
PORPOISE HBR	F17	54 15.03	130 16.95	79 06 04 21	20		X	X	PLES	
PORPOISE HBR	F18	54 14.25	130 18.40	79 06 04 01	15		X	X	PLES	
PORPOISE HBR	F18	54 14.25	130 18.40	79 06 04 20	15		X	X	PLES	
PORPOISE HBR	P20	54 12.10	130 18.30	79 06 03 23	25		X	X	PLES	
PORPOISE HBR	P20	54 12.10	130 18.30	79 06 04 18	25		X	X	PLES	
PORPOISE HBR	PH1	54 14.55	130 18.34	79 06 04 02	25		X	X	PLES	
PORPOISE HBR	PH1	54 14.55	130 18.34	79 06 04 21	20		X	X	PLES	
PORPOISE HBR	PH2	54 12.51	130 17.72	79 06 04 00	25		X	X	PLES	
PORPOISE HBR	PH2	54 12.51	130 17.72	79 06 04 19	25		X	X	PLES	
PORPOISE HBR	PH3	54 13.90	130 18.05	79 06 04 01	20		X	X	PLES	
PORPOISE HBR	PH3	54 13.90	130 18.05	79 06 04 20	20		X	X	PLES	

BOTTLE/CTD DATA SET NUMBER: 79-0052
YEAR:1979 VESSEL/AGENCY: PBS,A.HARVESTER

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO	WATER DEPTH	PARAM MEAS	INSTR HR	INT NO (M) C S T
DIXON ENTRANCE	1	54 09.00	131 04.00	79 01 27 16	100	100		X	XBT
DIXON ENTRANCE	2	54 08.00	131 04.00	79 01 27 18	82	82		X	XBT
DIXON ENTRANCE	3	54 19.00	131 16.00	79 01 28 00	108	108		X	XBT
DIXON ENTRANCE	4	54 24.00	131 17.00	79 01 28 03	162	162		X	XBT
DIXON ENTRANCE	5	54 13.00	131 45.00	79 01 28 16	100	100		X	XBT
DIXON ENTRANCE	6	54 16.00	131 39.00	79 01 28 18	138	138		X	XBT
DIXON ENTRANCE	7	54 19.00	131 33.00	79 01 28 20	170	170		X	XBT
DIXON ENTRANCE	8	54 24.00	131 14.00	79 01 28 23	130	130		X	XBT
DIXON ENTRANCE	9	54 27.00	131 05.00	79 01 29 17	150	150		X	XBT
DIXON ENTRANCE	10	54 30.00	131 17.00	79 01 29 21	95	95		X	XBT
DIXON ENTRANCE	11	54 24.00	131 19.00	79 01 30 01	0			X	XBT
DIXON ENTRANCE	12	54 37.00	131 28.00	79 01 30 01	175	175		X	XBT
DIXON ENTRANCE	13	54 39.00	131 37.00	79 01 30 21	178	178		X	XBT
DIXON ENTRANCE	14	54 38.00	132 00.00	79 01 30 00	50			X	XBT
DIXON ENTRANCE	15	54 38.00	132 05.00	79 01 31 05	60	60		X	XBT
DIXON ENTRANCE	16	54 15.00	131 34.00	79 02 01 18	50	50		X	XBT
DIXON ENTRANCE	17	54 19.00	131 28.00	79 02 01 19	144	144		X	XBT
DIXON ENTRANCE	18	54 25.00	131 17.00	79 02 01 22	210	210		X	XBT
DIXON ENTRANCE	19	54 23.00	131 20.00	79 02 01 23	155	155		X	XBT
DIXON ENTRANCE	20	54 21.00	131 25.00	79 02 01 02	200	200		X	XBT
DIXON ENTRANCE	21	54 09.00	131 03.00	79 02 01 22	97	97		X	XBT
DIXON ENTRANCE	23	54 21.00	131 07.00	79 02 03 19	91	91		X	XBT
DIXON ENTRANCE	24	54 24.00	131 16.00	79 02 03 21	90	90		X	XBT
DIXON ENTRANCE	25	54 19.00	131 17.00	79 02 03 23	95	95		X	XBT
DIXON ENTRANCE	26	54 09.00	131 48.00	79 02 04 16	40	40		X	XBT
DIXON ENTRANCE	27	54 12.00	131 48.00	79 02 04 18	108	108		X	XBT
DIXON ENTRANCE	28	54 13.00	131 53.00	79 02 04 19	131	131		X	XBT
DIXON ENTRANCE	29	54 16.00	131 18.00	79 02 05 19	129	129		X	XBT
DIXON ENTRANCE	31	54 21.00	131 18.00	79 02 05 23	135	135		X	XBT
DIXON ENTRANCE	32	54 21.00	131 09.00	79 02 06 01	70	70		X	XBT
DIXON ENTRANCE	33	54 21.00	131 03.00	79 02 06 16	94	94		X	XBT
DIXON ENTRANCE	34	54 25.00	131 27.00	79 02 06 19	274	274		X	XBT
DIXON ENTRANCE	35	54 32.00	131 41.00	79 02 06 22	334	334		X	XBT
DIXON ENTRANCE	30A	54 23.00	131 20.00	79 02 05 20	180	180		X	XBT
DIXON ENTRANCE	30B	54 23.00	131 20.00	79 02 05 20	143			X	XBT

BOTTLE/CTD DATA SET NUMBER: 79-0053
YEAR:1979 VESSEL/AGENCY: PBS,SCOTIA BAY

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO	WATER DEPTH	PARAM MEAS	INSTR HR	INT NO (M) C S T
HECATE STRAIT	1	54 10.00	130 30.00	79 03 13 10	100	100		X	XBT
HECATE STRAIT	2	52 52.00	131 50.00	79 03 14 13	111	111		X	XBT
HECATE STRAIT	3	52 48.00	131 48.00	79 03 14 17	50			X	XBT
HECATE STRAIT	4	54 17.00	131 02.00	79 03 19 10	114	114		X	XBT
HECATE STRAIT	5	54 01.00	131 03.00	79 03 21 10	96	96		X	XBT
PORTLAND INLET	6	54 40.00	130 48.00	79 03 23 08	360	360		X	XBT
PORTLAND INLET	7	54 49.00	130 12.00	79 03 23 14	355	355		X	XBT
PORTLAND INLET	12	55 25.00	129 43.00	79 03 28 16	167	167		X	XBT
HECATE STRAIT	13	53 48.00	130 55.00	79 03 29 09	70	70		X	XBT

BOTTLE/CTD DATA SET NUMBER: 79-0056A
YEAR:1979 VESSEL/AGENCY: G.B.REED

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM	INSTR	INT NO	
		DEG	MIN	DEG	MIN	YR	MO						DY
Q.C. SOUND	1	51	07.00	128	20.00	79	06	27	10	188	188	X	XBT
Q.C. SOUND	2	51	15.00	128	40.00	79	06	27	11	196	196	X	XBT
Q.C. SOUND	3	51	33.00	128	13.00	79	06	27	13	95	95	X	XBT
Q.C. SOUND	4	51	26.00	128	25.00	79	06	27	14	192	192	X	XBT
Q.C. SOUND	5	51	26.00	128	29.00	79	06	27	15	202	202	X	BOT
Q.C. SOUND	6	51	24.00	128	43.00	79	06	27	16	220	220	X	XBT
Q.C. SOUND	7	51	18.50	129	00.00	79	06	27	17	244	244	X	XBT
Q.C. SOUND	8	51	13.00	129	17.00	79	06	27	18	282	282	X	XBT
Q.C. SOUND	9	51	07.00	129	37.00	79	06	27	20	439	439	X	BOT
Q.C. SOUND	10	51	21.00	129	49.00	79	06	27	22	289	289	X	XBT
Q.C. SOUND	11	51	36.50	130	02.00	79	06	28	23	318	318	X	XBT
Q.C. SOUND	12	51	48.00	130	16.00	79	06	28	00	209	209	X	XBT
Q.C. SOUND	13	52	00.00	130	30.00	79	06	28	02	364	364	X	XBT
HECATE STRAIT	14	52	10.00	130	22.00	79	06	28	03	370	370	X	XBT
HECATE STRAIT	15	52	20.00	130	15.00	79	06	28	04	362	362	X	XBT
HECATE STRAIT	16	52	30.00	130	15.00	79	06	28	05	284	284	X	XBT
HECATE STRAIT	17	52	40.00	130	09.00	79	06	28	06	242	242	X	XBT
HECATE STRAIT	18	52	50.00	130	11.00	79	06	28	06	225	226	X	XBT
HECATE STRAIT	19	53	00.00	130	12.00	79	06	28	08	75	218	X	BOT
HECATE STRAIT	20	53	09.00	130	28.00	79	06	28	09	205	205	X	XBT
HECATE STRAIT	21	53	17.00	130	42.00	79	06	28	11	195	195	X	XBT
HECATE STRAIT	24	54	07.00	131	02.00	79	06	29	21	110	110	X	XBT
HECATE STRAIT	25	53	57.00	131	01.00	79	06	29	22	92	92	X	XBT
HECATE STRAIT	26	53	50.00	130	52.00	79	06	30	23	99	99	X	XBT
HECATE STRAIT	27	53	43.00	130	43.00	79	06	30	00	147	147	X	XBT
DIXON ENTRANCE	28	54	17.00	131	02.00	79	06	30	17	122	122	X	XBT
DIXON ENTRANCE	29	54	20.00	131	05.00	79	06	30	17	100	113	X	XBT
DIXON ENTRANCE	30	54	26.00	131	05.00	79	06	30	18	140	140	X	XBT
DIXON ENTRANCE	31	54	33.00	131	20.00	79	06	30	19	113	113	X	XBT
HECATE STRAIT	32	54	05.00	131	00.00	79	07	03	20	108	108	X	BOT
HECATE STRAIT	33	53	50.00	130	50.00	79	07	03	22	100	100	X	BOT
HECATE STRAIT	34	53	38.30	131	03.00	79	07	06	12	60	60	X	BOT
HECATE STRAIT	35	53	00.00	131	00.00	79	07	07	17	29	29	X	BOT
HECATE STRAIT	36	53	00.00	130	31.00	79	07	07	19	145	145	X	BOT
HECATE STRAIT	37	52	59.30	130	25.00	79	07	07	21	173	173	X	BOT
HECATE STRAIT	38	52	55.50	130	37.00	79	07	08	08	95	95	X	BOT
HECATE STRAIT	39	53	01.00	130	46.00	79	07	10	10	102	102	X	BOT
HECATE STRAIT	40	53	00.00	131	20.00	79	07	10	14	26	26	X	BOT
HECATE STRAIT	41	52	55.00	131	20.00	79	07	10	15	45	45	X	BOT
HECATE STRAIT	42	52	55.00	131	00.00	79	07	10	17	38	38	X	BOT
HECATE STRAIT	43	52	50.00	131	00.00	79	07	10	18	35	35	X	XBT
HECATE STRAIT	44	52	50.00	131	20.00	79	07	10	20	95	95	X	XBT
HECATE STRAIT	45	52	45.00	131	20.00	79	07	10	21	178	178	X	XBT
HECATE STRAIT	46	52	45.00	131	00.00	79	07	11	09	43	43	X	XBT
HECATE STRAIT	47	52	40.00	131	00.00	79	07	11	08	73	73	X	XBT
HECATE STRAIT	48	52	35.30	131	00.00	79	07	11	14	116	116	X	BOT
HECATE STRAIT	49	52	18.00	130	28.00	79	07	11	17	203	203	X	XBT
HECATE STRAIT	50	52	11.00	130	13.00	79	07	11	18	200	200	X	XBT
Q.C. SOUND	51	52	49.00	129	37.00	79	07	11	21	273	273	X	XBT
Q.C. SOUND	52	52	22.00	128	52.00	79	07	12	01	224	224	X	XBT
HECATE STRAIT	H-1	53	21.00	130	32.00	79	06	28	20	32	32	X	BOT
HECATE STRAIT	H-2	53	25.50	131	15.00	79	06	28	21	30	30	X	BOT
HECATE STRAIT	H-3	53	30.00	130	58.00	79	06	28	22	85	85	X	BOT
HECATE STRAIT	H-4	53	34.00	130	44.00	79	06	29	23	140	140	X	BOT
HECATE STRAIT	H-5	53	34.00	131	29.00	79	06	29	18	26	26	X	BOT
HECATE STRAIT	H-6	54	10.00	131	13.00	79	06	29	19	26	26	X	BOT
HECATE STRAIT	H-7	54	10.00	131	03.00	79	06	29	20	100	100	X	BOT
HECATE STRAIT	H-8	54	10.00	130	54.00	79	06	29	20	103	103	X	BOT

BOTTLE/CTD DATA SET NUMBER: 79-0056B
YEAR:1979 VESSEL/AGENCY: PBS,G.B.REED

AREA	STN	LAT	LON	DATE	CAST			PARAM	INSTR	INT NO
					DEG	MIN	DEG			
		(M)	(M)	C	S	T				
Q.C. SOUND	1	51 07.00	128 20.00	79 09 07	09			180	180	X XBT
Q.C. SOUND	2	51 15.00	128 40.00	79 09 07	11			0	183	X XBT
Q.C. SOUND	3	51 24.00	128 43.00	79 09 07	12			208	208	X XBT
Q.C. SOUND	4	51 19.00	129 00.00	79 09 07	14			238	238	X XBT
Q.C. SOUND	5	51 13.00	129 17.00	79 09 07	15			283	283	X XBT
Q.C. SOUND	6	51 07.00	129 37.00	79 09 07	17			332	332 X	X BOT
Q.C. SOUND	7	51 21.00	129 49.00	79 09 07	18			230	230	X XBT
Q.C. SOUND	8	51 37.00	130 02.00	79 09 07	20			340	340 X	X BOT
Q.C. SOUND	9	51 48.00	130 16.00	79 09 07	21			211	211	X XBT
Q.C. SOUND	10	52 00.00	130 30.00	79 09 07	23			385	385 X	X BOT
HECATE STRAIT	11	52 10.00	130 22.00	79 09 08	00			120		X XBT
HECATE STRAIT	12	52 20.00	130 15.00	79 09 08	01			358	358	X XBT
HECATE STRAIT	13	52 30.00	130 07.00	79 09 08	02			290	290	X XBT
HECATE STRAIT	14	52 40.00	130 09.00	79 09 08	03			236	236	X XBT
HECATE STRAIT	15	52 50.00	130 11.00	79 09 08	04			235	235	X XBT
HECATE STRAIT	16	53 00.00	130 12.00	79 09 08	05			228	228 X	X BOT
HECATE STRAIT	17	53 09.00	130 28.00	79 09 08	07			193	193	X BOT
HECATE STRAIT	18	53 17.00	130 42.00	79 09 08	08			160	160	X BOT
HECATE STRAIT	19	53 30.00	130 46.00	79 09 08	09			162	162	X BOT
HECATE STRAIT	20	53 43.00	130 43.00	79 09 08	10			135	135	X BOT
HECATE STRAIT	21	53 50.00	130 52.00	79 09 08	11			96	96	X BOT
HECATE STRAIT	22	53 57.00	131 01.00	79 09 08	12			88	88	X BOT
HECATE STRAIT	23	54 07.00	131 02.00	79 09 08	13			117	117	X BOT
DIXON ENTRANCE	24	54 17.00	131 02.00	79 09 08	14			130	130	X BOT
DIXON ENTRANCE	25	54 20.00	131 05.00	79 09 08	14			94	94	X XBT
DIXON ENTRANCE	26	54 26.00	131 05.00	79 09 08	15			75		X XBT
DIXON ENTRANCE	27	54 33.00	131 20.00	79 09 08	16			114	114	X XBT
DIXON ENTRANCE	28	54 25.00	131 20.00	79 09 08	17			300	300	X XBT
DIXON ENTRANCE	29	54 25.00	131 20.00	79 09 11	15			238	238 X	X BOT
DIXON ENTRANCE	30	54 24.00	131 18.00	79 09 11	16			185	185	X XBT
DIXON ENTRANCE	31	54 24.00	131 17.00	79 09 11	17			160	160	X XBT
DIXON ENTRANCE	32	54 23.00	131 15.00	79 09 11	17			121	121	X XBT
DIXON ENTRANCE	33	54 23.00	131 13.00	79 09 11	17			84	84	X XBT
DIXON ENTRANCE	34	54 22.00	131 08.00	79 09 11	17			80	80	X XBT
DIXON ENTRANCE	35	54 21.00	131 06.00	79 09 11	18			100	100	X XBT
HECATE STRAIT	36	53 38.00	131 08.00	79 09 12	19			78	78	X XBT
HECATE STRAIT	37	53 34.00	131 09.00	79 09 12	14			78	78	X XBT
HECATE STRAIT	38	52 54.00	130 24.00	79 09 13	16			163	163	X XBT
HECATE STRAIT	39	52 54.00	130 26.00	79 09 13	17			135		X XBT
HECATE STRAIT	40	52 54.00	130 32.00	79 09 13	17			112	112	X XBT
HECATE STRAIT	41	52 54.00	130 37.00	79 09 13	18			101	101	X XBT
HECATE STRAIT	42	52 54.00	130 39.00	79 09 13	18			75	75	X XBT
HECATE STRAIT	43	52 54.00	130 45.00	79 09 13	18			60	60	X XBT
HECATE STRAIT	44	52 35.00	131 09.00	79 09 14	14			148	148	X XBT
HECATE STRAIT	45	52 40.00	131 00.00	79 09 14	15			76	76	X XBT
HECATE STRAIT	46	52 40.00	130 44.00	79 09 14	18			132	132	X XBT
HECATE STRAIT	47	52 58.00	131 00.00	79 09 15	16			35	35	X XBT
HECATE STRAIT	48	53 20.00	130 54.00	79 09 16	16			130	130	X XBT
HECATE STRAIT	49	53 20.00	131 10.00	79 09 16	18			34	34	X XBT
HECATE STRAIT	50	54 25.00	131 20.00	79 09 17	16			242	242 X	X BOT
HECATE STRAIT	51	53 10.00	131 46.00	79 09 19	14			149	149	X XBT
HECATE STRAIT	52	52 50.00	131 00.00	79 09 19	16			36	36	X XBT
HECATE STRAIT	53	52 28.00	130 10.00	79 09 19	21			298	298	X XBT
Q.C. SOUND	54	52 00.00	129 30.00	79 09 20	01			202	202	X XBT
Q.C. SOUND	55	51 24.00	128 42.00	79 09 20	05			211	211	X XBT
Q.C. SOUND	56	51 07.00	128 22.00	79 09 20	08			177	177	X XBT

BOTTLE/CTD DATA SET NUMBER: 79-0059
YEAR:1979 VESSEL/AGENCY: PBS,G.B.REED

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR	INT NO			
					DEG	MIN	DEG			MIN	YR	MO
					(M)	(M)		C	S	T		
Q.C. SOUND	38	51	24.00	128	35.00	79	05	14	07	211	211	X XBT
Q.C. SOUND	39	51	27.00	128	22.00	79	05	15	07	168	168	X XBT
Q.C. SOUND	40	51	37.00	128	23.00	79	05	15	14	157	157	X XBT
Q.C. SOUND	41	52	04.00	128	53.00	79	05	16	07	177	177	X XBT
Q.C. SOUND	42	51	59.00	128	47.00	79	05	16	11	173	173	X XBT

BOTTLE/CTD DATA SET NUMBER: 80-0042A
YEAR:1980 VESSEL/AGENCY: PBS,BEAK

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						
MASSET INLET	12	53 40.20	132 12.60*	80 04 22 15		1		X		BOTT
MASSET INLET	13	53 40.20	132 12.60	80 04 22 15		10		X		BOTT
MASSET INLET	14	53 40.20	132 12.60	80 04 22 15		10		X		BOTT
MASSET INLET	15	53 40.20	132 12.60	80 04 22 15		6		X		BOTT
MASSET INLET	16	53 40.20	132 12.60	80 04 22 15				X		BOTT
MASSET INLET	18	53 40.20	132 12.60	80 04 22 16		2		X		BOTT
MASSET INLET	19	53 40.20	132 12.60	80 04 22 16		4		X		BOTT
MASSET INLET	20	53 40.20	132 12.60	80 04 22 16		9		X		BOTT
MASSET INLET	21	53 40.20	132 12.60	80 04 22 16		5		X		BOTT
MASSET INLET	22	53 40.20	132 12.60	80 04 22 16		1		X		BOTT
MASSET INLET	23	53 40.20	132 12.60	80 04 22 17		0		X		BOTT

* Nominal

BOTTLE/CTD DATA SET NUMBER: 80-0043A
YEAR:1980 VESSEL/AGENCY: EPS

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						
ALICE ARM	G	55 25.4	129 40.2	80 05 25				X		BOTT
ALICE ARM	E5	55 27.80	129 29.25	80 05 24				X		BOTT
ALICE ARM	M9	55 27.10	129 29.92	80 05 24				X		BOTT
ALICE ARM	M49	55 24.7	129 40.10	80 05 25				X		BOTT
ALICE ARM	Q20	55 26.70	129 31.84	80 05 22 22		250		X		BOTT
ALICE ARM	Q20	55 26.70	129 31.84	80 05 23 01		250		X		BOTT
ALICE ARM	Q20	55 26.70	129 31.84	80 05 23 03		250		X		BOTT
ALICE ARM	Q20	55 26.70	129 31.84	80 05 23 07		250		X		BOTT
ALICE ARM	Q20	55 26.70	129 31.84	80 05 23 10		250		X		BOTT
ALICE ARM	T64	55 26.4	129 39.55	80 05 25				X		BOTT

BOTTLE/CTD DATA SET NUMBER: 80-0043B
YEAR:1980 VESSEL/AGENCY: EPS

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						
ALICE ARM	E5	55 27.8	129 29.25	80 10 11				X		BOTT
ALICE ARM	G	55 25.4	129 40.20	80 10 11				X		BOTT
ALICE ARM	M49	55 24.7	129 40.60	80 10 11				X		BOTT
ALICE ARM	M49	55 27.1	129 37.0	80 10 12		350		X		BOTT
ALICE ARM	M9	55 27.1	129 29.92	80 10 11				X		BOTT
ALICE ARM	O11	55 21.8	129 45.4	80 10 13		250		X		BOTT
ALICE ARM	Q20	55 26.70	129 31.85	80 10 08		250		X	BOTT	3 6
ALICE ARM	Q20	55 26.70	129 31.85	80 10 09		250		X		BOTT
ALICE ARM	T64	55 26.4	129 39.55	80 10 11				X		BOTT

BOTTLE/CTD DATA SET NUMBER: 80-0051A
 YEAR: 1980 VESSEL/AGENCY: G.B.REED

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER MEAS (M)	PARAM C S T	INSTR HR	INT NO
Q.C. SOUND	24	51 00.0	129 48.0	80 01		910		BISS	
Q.C. SOUND	25	51 00.0	129 21.0	80 01		182		BISS	
Q.C. SOUND	26	51 00.0	128 56.0	80 01		76		BISS	
Q.C. SOUND	27	51 00.0	128 31.0	80 01		100		BISS	
Q.C. SOUND	28	51 00.0	128 06.0	80 01		100		BISS	
Q.C. SOUND	29	51 30.0	128 31.0	80 01		164		BISS	
Q.C. SOUND	30	51 30.0	128 56.0	80 01		100		BISS	
Q.C. SOUND	31	51 30.0	129 21.0	80 01		100		BISS	
Q.C. SOUND	32	51 30.0	129 51.0	80 01		182		BISS	
Q.C. SOUND	33	51 30.0	130 24.0	80 01		910		BISS	
DIXON ENTRANCE	49	54 30.0	134 06.0	80 01		910		BISS	
DIXON ENTRANCE	50	54 30.0	133 49.0	80 01		182		BISS	
DIXON ENTRANCE	51	54 30.0	133 22.0	80 01		364		BISS	
DIXON ENTRANCE	52	54 30.0	132 55.0	80 01		365		BISS	
DIXON ENTRANCE	53	54 30.0	132 27.0	80 01		364		BISS	
DIXON ENTRANCE	54	54 30.0	132 00.0	80 01		246		BISS	
DIXON ENTRANCE	55	54 30.0	131 34.0	80 01		282		BISS	
DIXON ENTRANCE	56	54 30.0	131 07.0	80 01		146		BISS	
HECATE STRAIT	57	54 00.0	131 25.0	80 01		18		BISS	
HECATE STRAIT	58	54 00.0	131 08.0	80 01		55		BISS	
HECATE STRAIT	59	54 00.0	130 50.0	80 01		100		BISS	
HECATE STRAIT	60	53 30.0	130 42.0	80 01		100		BISS	
HECATE STRAIT	61	53 30.0	131 05.0	80 01		55		BISS	
HECATE STRAIT	62	53 30.0	131 02.0	80 01		22		BISS	
HECATE STRAIT	63	53 00.0	131 06.0	80 01		55		BISS	
HECATE STRAIT	64	53 00.0	130 40.0	80 01		100		BISS	
HECATE STRAIT	65	53 00.0	130 13.0	80 01		228		BISS	
HECATE STRAIT	66	53 00.0	129 47.0	80 01		55		BISS	
HECATE STRAIT	67	52 30.0	129 48.0	80 01		182		BISS	
HECATE STRAIT	68	52 30.0	130 13.0	80 01		273		BISS	
HECATE STRAIT	69	52 30.0	130 40.0	80 01		100		BISS	
HECATE STRAIT	70	52 30.0	101 07.0	80 01		55		BISS	
Q.C. SOUND	71	52 00.0	130 41.0	80 01		228		BISS	
Q.C. SOUND	72	52 00.0	130 14.0	80 01		100		BISS	
Q.C. SOUND	73	52 00.0	129 48.0	80 01		100		BISS	
Q.C. SOUND	74	52 00.0	129 21.0	80 01		182		BISS	
Q.C. SOUND	75	52 00.0	128 56.0	80 01		100		BISS	

BOTTLE/CTD DATA SET NUMBER: 80-0051B
 YEAR: 1980 VESSEL/AGENCY: G.B.REED

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER MEAS (M)	PARAM C S T	INSTR HR	INT NO
Q.C. SOUND	24	51 00.0	129 48.0	80 02		910		BISS	
Q.C. SOUND	25	51 00.0	129 21.0	80 02		182		BISS	
Q.C. SOUND	26	51 00.0	128 56.0	80 02		76		BISS	
Q.C. SOUND	27	51 00.0	128 31.0	80 02		100		BISS	
Q.C. SOUND	28	51 00.0	128 06.0	80 02		100		BISS	
Q.C. SOUND	29	51 30.0	128 31.0	80 02		164		BISS	
Q.C. SOUND	30	51 30.0	128 56.0	80 02		100		BISS	
Q.C. SOUND	31	51 30.0	129 21.0	80 02		100		BISS	
Q.C. SOUND	32	51 30.0	129 51.0	80 02		182		BISS	
Q.C. SOUND	33	51 30.0	130 24.0	80 02		910		BISS	
DIXON ENTRANCE	49	54 30.0	134 06.0	80 02		910		BISS	
DIXON ENTRANCE	50	54 30.0	133 49.0	80 02		182		BISS	
DIXON ENTRANCE	51	54 30.0	133 22.0	80 02		364		BISS	
DIXON ENTRANCE	52	54 30.0	132 55.0	80 02		365		BISS	
DIXON ENTRANCE	53	54 30.0	132 27.0	80 02		364		BISS	
DIXON ENTRANCE	54	54 30.0	132 00.0	80 02		246		BISS	
DIXON ENTRANCE	55	54 30.0	131 34.0	80 02		282		BISS	
DIXON ENTRANCE	56	54 30.0	131 07.0	80 02		146		BISS	
HECATE STRAIT	57	54 00.0	131 25.0	80 02		18		BISS	

HECATE STRAIT	58	54 00.0	131 08.0	80 02	55	BISS
HECATE STRAIT	59	54 00.0	130 50.0	80 02	100	BISS
HECATE STRAIT	60	53 30.0	130 42.0	80 02	100	BISS
HECATE STRAIT	61	53 30.0	131 05.0	80 02	55	BISS
HECATE STRAIT	62	53 30.0	131 02.0	80 02	22	BISS
HECATE STRAIT	63	53 00.0	131 06.0	80 02	55	BISS
HECATE STRAIT	64	53 00.0	130 40.0	80 02	100	BISS
HECATE STRAIT	65	53 00.0	130 13.0	80 02	228	BISS
HECATE STRAIT	66	53 00.0	129 47.0	80 02	55	BISS
HECATE STRAIT	67	52 30.0	129 48.0	80 02	182	BISS
HECATE STRAIT	68	52 30.0	130 13.0	80 02	273	BISS
HECATE STRAIT	69	52 30.0	130 40.0	80 02	100	BISS
HECATE STRAIT	70	52 30.0	101 07.0	80 02	55	BISS
Q.C. SOUND	71	52 00.0	130 41.0	80 02	228	BISS
Q.C. SOUND	72	52 00.0	130 14.0	80 02	100	BISS
Q.C. SOUND	73	52 00.0	129 48.0	80 02	100	BISS
Q.C. SOUND	74	52 00.0	129 21.0	80 02	182	BISS
Q.C. SOUND	75	52 00.0	128 56.0	80 02	100	BISS

BOTTLE/CTD DATA SET NUMBER: 80-0051C
YEAR: 1980 VESSEL/AGENCY: G.B.REED

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR	INT NO
					DEG	MIN	DEG		
(M)	(M)	(M)	(M)	C	S	T			
Q.C. SOUND	24	51 00.0	129 48.0	80 03	910			BISS	
Q.C. SOUND	25	51 00.0	129 21.0	80 03	182			BISS	
Q.C. SOUND	26	51 00.0	128 56.0	80 03	76			BISS	
Q.C. SOUND	27	51 00.0	128 31.0	80 03	100			BISS	
Q.C. SOUND	28	51 00.0	128 06.0	80 03	100			BISS	
Q.C. SOUND	29	51 30.0	128 31.0	80 03	164			BISS	
Q.C. SOUND	30	51 30.0	128 56.0	80 03	100			BISS	
Q.C. SOUND	31	51 30.0	129 21.0	80 03	100			BISS	
Q.C. SOUND	32	51 30.0	129 51.0	80 03	182			BISS	
Q.C. SOUND	33	51 30.0	130 24.0	80 03	910			BISS	
DIXON ENTRANCE	49	54 30.0	134 06.0	80 03	910			BISS	
DIXON ENTRANCE	50	54 30.0	133 49.0	80 03	182			BISS	
DIXON ENTRANCE	51	54 30.0	133 22.0	80 03	364			BISS	
DIXON ENTRANCE	52	54 30.0	-132 55.0	80 03	365			BISS	
DIXON ENTRANCE	53	54 30.0	132 27.0	80 03	364			BISS	
DIXON ENTRANCE	54	54 30.0	132 00.0	80 03	246			BISS	
DIXON ENTRANCE	55	54 30.0	131 34.0	80 03	282			BISS	
DIXON ENTRANCE	56	54 30.0	131 07.0	80 03	146			BISS	
HECATE STRAIT	57	54 00.0	131 25.0	80 03	18			BISS	
HECATE STRAIT	58	54 00.0	131 08.0	80 03	55			BISS	
HECATE STRAIT	59	54 00.0	130 50.0	80 03	100			BISS	
HECATE STRAIT	60	53 30.0	130 42.0	80 03	100			BISS	
HECATE STRAIT	61	53 30.0	131 05.0	80 03	55			BISS	
HECATE STRAIT	62	53 30.0	131 02.0	80 03	22			BISS	
HECATE STRAIT	63	53 00.0	131 06.0	80 03	55			BISS	
HECATE STRAIT	64	53 00.0	130 40.0	80 03	100			BISS	
HECATE STRAIT	65	53 00.0	130 13.0	80 03	228			BISS	
HECATE STRAIT	66	53 00.0	129 47.0	80 03	55			BISS	
HECATE STRAIT	67	52 30.0	129 48.0	80 03	182			BISS	
HECATE STRAIT	68	52 30.0	130 13.0	80 03	273			BISS	
HECATE STRAIT	69	52 30.0	130 40.0	80 03	100			BISS	
HECATE STRAIT	70	52 30.0	101 07.0	80 03	55			BISS	
Q.C. SOUND	71	52 00.0	130 41.0	80 03	228			BISS	
Q.C. SOUND	72	52 00.0	130 14.0	80 03	100			BISS	
Q.C. SOUND	73	52 00.0	129 48.0	80 03	100			BISS	
Q.C. SOUND	74	52 00.0	129 21.0	80 03	182			BISS	
Q.C. SOUND	75	52 00.0	128 56.0	80 03	100			BISS	

BOTTLE/CTD DATA SET NUMBER: 80-0051D
YEAR:1980 VESSEL/AGENCY: G.B.REED

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO	WATER DEPTH	PARAM MEAS	INSTR HR	INT NO
								C S T	
Q.C. SOUND	24	51 00.0	129 48.0	80 04			910		BISS
Q.C. SOUND	25	51 00.0	129 21.0	80 04			182		BISS
Q.C. SOUND	26	51 00.0	128 56.0	80 04			76		BISS
Q.C. SOUND	27	51 00.0	128 31.0	80 04			100		BISS
Q.C. SOUND	28	51 00.0	128 06.0	80 04			100		BISS
Q.C. SOUND	29	51 30.0	128 31.0	80 04			164		BISS
Q.C. SOUND	30	51 30.0	128 56.0	80 04			100		BISS
Q.C. SOUND	31	51 30.0	129 21.0	80 04			100		BISS
Q.C. SOUND	32	51 30.0	129 51.0	80 04			182		BISS
Q.C. SOUND	33	51 30.0	130 24.0	80 04			910		BISS
DIXON ENTRANCE	49	54 30.0	134 06.0	80 04			910		BISS
DIXON ENTRANCE	50	54 30.0	133 49.0	80 04			182		BISS
DIXON ENTRANCE	51	54 30.0	133 22.0	80 04			364		BISS
DIXON ENTRANCE	52	54 30.0	132 55.0	80 04			365		BISS
DIXON ENTRANCE	53	54 30.0	132 27.0	80 04			364		BISS
DIXON ENTRANCE	54	54 30.0	132 00.0	80 04			246		BISS
DIXON ENTRANCE	55	54 30.0	131 34.0	80 04			282		BISS
DIXON ENTRANCE	56	54 30.0	131 07.0	80 04			146		BISS
HECATE STRAIT	57	54 00.0	131 25.0	80 04			18		BISS
HECATE STRAIT	58	54 00.0	131 08.0	80 04			55		BISS
HECATE STRAIT	59	54 00.0	130 50.0	80 04			100		BISS
HECATE STRAIT	60	53 30.0	130 42.0	80 04			100		BISS
HECATE STRAIT	61	53 30.0	131 05.0	80 04			55		BISS
HECATE STRAIT	62	53 30.0	131 02.0	80 04			22		BISS
HECATE STRAIT	63	53 00.0	131 06.0	80 04			55		BISS
HECATE STRAIT	64	53 00.0	130 40.0	80 04			100		BISS
HECATE STRAIT	65	53 00.0	130 13.0	80 04			228		BISS
HECATE STRAIT	66	53 00.0	129 47.0	80 04			55		BISS
HECATE STRAIT	67	52 30.0	129 48.0	80 04			182		BISS
HECATE STRAIT	68	52 30.0	130 13.0	80 04			273		BISS
HECATE STRAIT	69	52 30.0	130 40.0	80 04			100		BISS
HECATE STRAIT	70	52 30.0	101 07.0	80 04			55		BISS
Q.C. SOUND	71	52 00.0	130 41.0	80 04			228		BISS
Q.C. SOUND	72	52 00.0	130 14.0	80 04			100		BISS
Q.C. SOUND	73	52 00.0	129 48.0	80 04			100		BISS
Q.C. SOUND	74	52 00.0	129 21.0	80 04			182		BISS
Q.C. SOUND	75	52 00.0	128 56.0	80 04			100		BISS

BOTTLE/CTD DATA SET NUMBER: 80-0052
YEAR:1980 VESSEL/AGENCY: EPS

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY HR	CAST TO	WATER DEPTH	PARAM MEAS	INSTR HR	INT NO
								C S T	
PORPOISE HBR	P12	54 13.22	130 17.63	80 08 20 23		20	X	X	PLES
PORPOISE HBR	P17	54 15.03	130 16.95	80 08 21 00		20	X	X	PLES
PORPOISE HBR	P18	54 14.25	130 18.40	80 08 21 00		15	X	X	PLES
PORPOISE HBR	P20	54 12.10	130 18.30	80 08 20 22		25	X	X	PLES
PORPOISE HBR	PH1	54 14.55	130 18.34	80 08 21 00		25	X	X	PLES
PORPOISE HBR	PH2	54 12.51	130 17.72	80 08 20 22		25	X	X	PLES
PORPOISE HBR	PH3	54 13.90	130 18.05	80 08 20 23		20	X	X	PLES

BOTTLE/CTD DATA SET NUMBER: 80-0055B
YEAR: 1980 VESSEL/AGENCY: PBS, G.B.REED

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						
Q.C. SOUND	48	51 10.0	128 35.0	80 05 18 16	167	167		X XBT		
Q.C. SOUND	49	51 25.0	128 46.0	80 05 18 20	220	220		X XBT		
Q.C. SOUND	50	51 28.0	128 42.0	80 05 18 23	190	190		X XBT		
Q.C. SOUND	51	51 22.0	128 26.0	80 05 20 15	203	203		X XBT		
Q.C. SOUND	52	51 26.0	128 35.0	80 05 20 18	203	203		X XBT		
Q.C. SOUND	53	51 30.0	128 33.0	80 05 20 20	175	175		X XBT		
Q.C. SOUND	54	51 26.0	128 29.0	80 05 20 23	193	193		X XBT		
Q.C. SOUND	55	51 30.0	128 31.0	80 05 21 00	12	190		X XBT		
Q.C. SOUND	56	51 30.0	128 31.0	80 05 21 00	190	190		X XBT		
Q.C. SOUND	57	51 31.0	128 56.0	80 05 21 02	47	47		X XBT		
Q.C. SOUND	58	52 02.0	128 49.0	80 05 21 17	170	170		X XBT		
Q.C. SOUND	59	51 59.0	128 47.0	80 05 21 19	164	164		X XBT		

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

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						
ALICE ARM	AA 1	55 24.75	129 40.75	81 12 7 18	78.5		X	X GLDL		
ALICE ARM	AA 2	55 26.00	129 40.05	81 12 7 18	185.1		X	X GLDL		
ALICE ARM	AA 3	55 27.15	129 37.05	81 12 7 19	367.6		X	X GLDL		
ALICE ARM	AA 3.	55 26.94	129 33.60	81 12 7 20	295.1		X	X GLDL		
ALICE ARM	AA 4	55 26.69	129 31.80	81 12 7 22	265.7		X	X GLDL		
ALICE ARM	AA 5	55 27.90	129 29.25	81 12 7 21	83.4		X	X GLDL		
ALICE ARM	HA 1	55 24.90	129 43.10	81 12 4 10	158.0		X	X GLDL		
ALICE ARM	HA 1	55 24.90	129 43.10	81 12 7 13	161.6		X	X GLDL		
ALICE ARM	HA 2	55 28.70	129 45.10	81 12 4 11	268.2		X	X GLDL		
ALICE ARM	HA 2	55 28.70	129 45.10	81 12 7 14	250.6		X	X GLDL		
ALICE ARM	HA 3	55 32.50	129 47.10	81 12 5 6	141.2		X	X GLDL		
ALICE ARM	HA 3	55 32.50	129 47.10	81 12 7 15	274.1		X	X GLDL		
ALICE ARM	HA 4	55 36.50	129 47.80	81 12 7 16	159.1		X	X GLDL		
ALICE ARM	OB 1	55 3.10	130 0.80	81 12 4 3	43.8		X	X GLDL		
ALICE ARM	OB 1	55 3.10	130 0.80	81 12 7 8	45.3		X	X GLDL		
ALICE ARM	OB 2	55 6.70	129 57.30	81 12 4 4	404.1		X	X GLDL		
ALICE ARM	OB 2	55 6.70	129 57.30	81 12 7 8	412.0		X	X GLDL		
ALICE ARM	OB 3	55 10.00	129 53.00	81 12 4 6	446.3		X	X GLDL		
ALICE ARM	OB 3	55 10.00	129 53.00	81 12 7 10	458.6		X	X GLDL		
ALICE ARM	OB 4	55 13.90	129 51.10	81 12 4 7	463.4		X	X GLDL		
ALICE ARM	OB 4	55 13.90	129 51.10	81 12 7 10	464.7		X	X GLDL		
ALICE ARM	OB 5	55 17.50	129 47.90	81 12 4 8	475.6		X	X GLDL		
ALICE ARM	OB 5	55 17.50	129 47.90	81 12 7 11	506.5		X	X GLDL		
ALICE ARM	OB 6	55 21.30	129 45.70	81 12 4 9	213.7		X	X GLDL		
ALICE ARM	OB 6	55 21.30	129 45.70	81 12 7 12	210.4		X	X GLDL		
ALICE ARM	PI 1	54 40.60	123 28.20	81 12 3 10	473.1		X	X GLDL		
ALICE ARM	PI 1	54 40.60	123 28.20	81 12 7 0	424.7		X	X GLDL		
ALICE ARM	PI 2	54 43.80	130 24.30	81 12 3 11	462.6		X	X GLDL		
ALICE ARM	PI 2	54 43.80	130 24.30	81 12 7 1	500.3		X	X GLDL		
ALICE ARM	PI 3	54 46.70	130 19.70	81 12 3 12	470.3		X	X GLDL		
ALICE ARM	PI 3	54 46.70	130 19.70	81 12 7 3	465.3		X	X GLDL		
ALICE ARM	PI 4	54 49.60	130 14.90	81 12 3 13	407.9		X	X GLDL		
ALICE ARM	PI 4	54 49.60	130 14.90	81 12 7 4	426.2		X	X GLDL		
ALICE ARM	PI 5	54 52.85	130 10.90	81 12 3 14	387.2		X	X GLDL		
ALICE ARM	PI 5	54 52.85	130 10.90	81 12 7 5	410.2		X	X GLDL		
ALICE ARM	PI 6	54 56.10	130 6.90	81 12 4 1	325.5		X	X GLDL		
ALICE ARM	PI 6	54 56.10	130 6.90	81 12 7 6	329.6		X	X GLDL		
ALICE ARM	PI 7	54 59.30	130 2.80	81 12 4 2	209.5		X	X GLDL		
ALICE ARM	PI 7	54 59.30	130 2.80	81 12 7 7	201.4		X	X GLDL		

BOTTLE/CTD DATA SET NUMBER: 81-0021A
YEAR:1981 VESSEL/AGENCY: DOME/SEAKEM,ESL

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						
CHATHAM SOUND	1	54 35.	130 28.	81 05 29 20	40		X	X	AMS	
CHATHAM SOUND	1	54 35.	130 28.	81 06 02 15	40		X	X	AMS	
CHATHAM SOUND	2	54 35.	130 25.	81 06 02 16	45		X	X	AMS	
CHATHAM SOUND	A	54 34.	130 24.	81 05 24 01	25		X	X	AMS	
CHATHAM SOUND	A	54 34.	130 24.	81 05 24 19	25		X	X	AMS	
CHATHAM SOUND	A	54 34.	130 24.	81 05 29 18	25		X	X	AMS	
CHATHAM SOUND	A	54 34.	130 24.	81 06 02 14	20		X	X	AMS	
CHATHAM SOUND	B	54 34.	130 24.	81 05 24 01	30		X	X	AMS	
CHATHAM SOUND	B	54 34.	130 24.	81 05 24 19	25		X	X	AMS	
CHATHAM SOUND	B	54 34.	130 24.	81 05 29 18	25		X	X	AMS	
CHATHAM SOUND	B	54 34.	130 24.	81 06 02 15	25		X	X	AMS	
CHATHAM SOUND	C	54 35.	130 26.	81 05 23 20	42		X	X	AMS	
CHATHAM SOUND	C	54 35.	130 26.	81 05 24 00	45		X	X	AMS	
CHATHAM SOUND	C	54 35.	130 26.	81 05 24 18	40		X	X	AMS	
CHATHAM SOUND	C	54 35.	130 26.	81 05 29 19	40		X	X	AMS	
CHATHAM SOUND	C	54 35.	130 26.	81 06 02 20	45		X	X	AMS	
CHATHAM SOUND	D	54 36.	130 27.	81 05 24 00	50		X	X	AMS	
CHATHAM SOUND	D	54 36.	130 27.	81 05 24 18	45		X	X	AMS	
CHATHAM SOUND	D	54 36.	130 27.	81 05 29 20	45		X	X	AMS	
CHATHAM SOUND	D	54 36.	130 27.	81 06 02 19	45		X	X	AMS	
CHATHAM SOUND	E	54 37.	130 28.	81 05 23 23	70		X	X	AMS	
CHATHAM SOUND	E	54 37.	130 28.	81 05 24 17	70		X	X	AMS	
CHATHAM SOUND	E	54 37.	130 28.	81 05 29 20	70		X	X	AMS	
CHATHAM SOUND	E	54 37.	130 28.	81 06 02 19	60		X	X	AMS	

BOTTLE/CTD DATA SET NUMBER: 81-0021B
YEAR:1981 VESSEL/AGENCY: DOME/SEAKEM,ESL

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						
CHATHAM SOUND	1	54 35.15	130 27.88	81 08 25 16	37		X	X	AMS	
CHATHAM SOUND	A	54 33.88	130 23.51	81 08 25 18	28		X	X	AMS	
CHATHAM SOUND	C	54 35.	130 26.	81 08 25 17	33		X	X	AMS	
CHATHAM SOUND	E	54 37.	130 28.	81 08 25 17	70		X	X	AMS	

BOTTLE/CTD DATA SET NUMBER: 81-0021C
YEAR:1981 VESSEL/AGENCY: DOME/SEAKEM,ESL

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						
CHATHAM SOUND	1	54 35.15	130 27.88	81 11 26 19	41		X	X	AMS	
CHATHAM SOUND	A	54 33.88	130 23.51	81 11 27 00	27		X	X	AMS	
CHATHAM SOUND	C	54 35.28	130 25.53	81 11 26 19	49		X	X	AMS	
CHATHAM SOUND	E	54 36.78	130 27.54	81 11 26 23	70		X	X	AMS	

BOTTLE/CTD DATA SET NUMBER: 81-0021D
YEAR: 1981 VESSEL/AGENCY: DOME/SEAKEM, ESL

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					
CHATHAM SOUND	C	54 35.28	130 25.53	82 01 26 23	29		X	X	AMS
CHATHAM SOUND	E	54 36.78	130 27.54	82 01 27 00	49		X	X	AMS

BOTTLE/CTD DATA SET NUMBER: 81-0022
YEAR: 1981 VESSEL/AGENCY: EPS, ENDEAVOUR

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					
CHATHAM SOUND	SO-1	54 36.50	130 27.30	81 08 04 19	50	60	X	X	BOTT
CHATHAM SOUND	SO-2	54 35.60	130 26.80	81 08 04 21	35	50	X	X	BOTT
CHATHAM SOUND	SO-3	54 35.40	130 25.70	81 08 04 22	25	50	X	X	BOTT
CHATHAM SOUND	SO-4	54 34.75	130 26.90	81 08 04 17	45	55	X	X	BOTT
CHATHAM SOUND	SO-5	54 35.50	130 24.30	81 08 04 14	20	26	X	X	BOTT
CHATHAM SOUND	SO-6	54 34.90	130 24.50	81 08 04 16	20	20	X	X	BOTT
CHATHAM SOUND	SO-7	54 33.30	130 27.40	81 08 04 23	50	60	X	X	BOTT
CHATHAM SOUND	SO-8	54 35.20	130 28.10	81 08 04 17	50	60	X	X	BOTT
CHATHAM SOUND	SO-9	54 36.20	130 28.10	81 08 04 20	90	100	X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 81-0023
YEAR: 1981 VESSEL/AGENCY: IOS, VECTOR

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					
KITIMAT ARM	1	53 59.0	128 41.4	81 07 08 23	50	128	X	X	
KITIMAT ARM	2	53 59.0	128 40.5	81 07 08 23	50	123	X	X	
KITIMAT ARM	3	53 59.0	128 39.6	81 07 08 23	50	112	X	X	
KITIMAT ARM	4	53 58.0	128 41.6	81 07 08 22	50	165	X	X	
KITIMAT ARM	5	53 58.0	128 40.6	81 07 08 22	50	172	X	X	
KITIMAT ARM	6	53 58.0	128 39.6	81 07 08 22	48	165	X	X	
KITIMAT ARM	7	53 57.0	128 42.1	81 07 08 21	50	146	X	X	
KITIMAT ARM	8	53 57.0	128 40.9	81 07 08 21	49	194	X	X	
KITIMAT ARM	9	53 57.0	128 40.0	81 07 08 22	47	161	X	X	
KITIMAT ARM	10	53 56.0	128 42.5	81 07 08 21	48	205	X	X	
KITIMAT ARM	11	53 56.0	128 41.7	81 07 08 21	46	216	X	X	
KITIMAT ARM	12	53 56.0	128 40.7	81 07 08 21	47	209	X	X	
KITIMAT ARM	13	53 55.0	128 45.0	81 07 08 20	48	102	X	X	
KITIMAT ARM	14	53 55.0	128 43.7	81 07 08 20	47	154	X	X	
KITIMAT ARM	15	53 55.0	128 42.8	81 07 08 20	48	230	X	X	
KITIMAT ARM	16	53 55.0	128 42.0	81 07 08 20	50	223	X	X	
KITIMAT ARM	17	53 54.0	128 45.4	81 07 08 19	48	256	X	X	
KITIMAT ARM	18	53 54.0	128 44.5	81 07 08 19	48	264	X	X	
KITIMAT ARM	19	53 54.0	128 40.5	81 07 08 19	48	267	X	X	
KITIMAT ARM	20	53 53.0	128 46.7	81 07 08 17	50	254	X	X	
KITIMAT ARM	21	53 53.0	128 45.8	81 07 08 17	49	285	X	X	
KITIMAT ARM	22	53 53.0	128 45.0	81 07 08 18	48	285	X	X	
KITIMAT ARM	23	53 53.0	128 44.1	81 07 08 18	49	240	X	X	
KITIMAT ARM	24	53 53.0	128 43.3	81 07 08 18	48	232	X	X	
KITIMAT ARM	25	53 52.0	128 47.7	81 07 08 17	49	95	X	X	
KITIMAT ARM	26	53 52.0	128 47.0	81 07 08 16	49	289	X	X	
KITIMAT ARM	27	53 52.0	128 46.2	81 07 08 16	49	304	X	X	
KITIMAT ARM	28	53 52.0	128 45.4	81 07 08 16	48	289	X	X	
KITIMAT ARM	29	53 51.0	128 50.5	81 07 08 14	49	249	X	X	
KITIMAT ARM	30	53 51.0	128 49.4	81 07 08 14	49	121	X	X	

KITIMAT ARM	31	53 51.0	128 48.3	81 07 08 14	48	293	X	X
KITIMAT ARM	32	53 51.0	128 47.2	81 07 08 15	49	322	X	X
KITIMAT ARM	33	53 51.0	128 46.3	81 07 08 15	49	275	X	X
KITIMAT ARM	34	53 50.0	128 51.0	81 07 08 12	49	326	X	X
KITIMAT ARM	35	53 50.0	128 49.3	81 07 08 12	48	172	X	X
KITIMAT ARM	36	53 50.0	128 48.2	81 07 08 13	48	329	X	X
KITIMAT ARM	37	53 50.0	128 47.2	81 07 08 13	50	267	X	X
KITIMAT ARM	38	53 49.0	128 51.7	81 07 08 12	49	307	X	X
KITIMAT ARM	39	53 49.0	128 50.6	81 07 08 11	49	344	X	X
KITIMAT ARM	40	53 49.0	128 49.5	81 07 08 11	49	348	X	X
KITIMAT ARM	41	53 49.0	128 48.5	81 07 08 10	50	351	X	X
KITIMAT ARM	42	53 49.0	128 47.5	81 07 08 10	50	304	X	X
KITIMAT ARM	43	53 48.0	128 53.6	81 07 08 08	49	336	X	X
KITIMAT ARM	44	53 48.0	128 52.0	81 07 08 09	49	362	X	X
KITIMAT ARM	45	53 48.0	128 50.3	81 07 08 09	46	352	X	X
KITIMAT ARM	46	53 48.0	128 48.7	81 07 08 09	49	340	X	X
KITIMAT ARM	47	53 48.0	128 47.0	81 07 08 10	48	278	X	X
KITIMAT ARM	48	53 47.0	128 54.7	81 07 08 08	49	380	X	X
KITIMAT ARM	49	53 47.0	128 53.6	81 07 08 07	50	387	X	X
KITIMAT ARM	50	53 47.0	128 52.5	81 07 08 06	48	373	X	X
KITIMAT ARM	51	53 47.0	128 51.3	81 07 08 06	48	402	X	X
KITIMAT ARM	52	53 47.0	128 50.0	81 07 08 06	50	366	X	X
KITIMAT ARM	53	53 47.0	128 48.9	81 07 08 05	48	366	X	X
KITIMAT ARM	600	53 50.0	128 49.5	81 07 09 10	50	220	X	X
KITIMAT ARM	601	53 50.0	128 49.1	81 07 09 14	50	220	X	X
KITIMAT ARM	602	53 50.1	128 49.1	81 07 09 18	49	220	X	X
KITIMAT ARM	603	53 50.0	128 49.4	81 07 09 23	50	220	X	X
KITIMAT ARM	604	53 50.0	128 49.5	81 07 10 02	49	220	X	X
KITIMAT ARM	605	53 50.0	128 49.5	81 07 10 06	46	220	X	X
KITIMAT ARM	606	53 50.0	128 49.6	81 07 10 10	50	220	X	X
KITIMAT ARM	607	53 50.0	128 49.2	81 07 10 13	52	220	X	X
KITIMAT ARM	608	53 50.0	128 49.2	81 07 10 18	51	220	X	X
KITIMAT ARM	609	53 50.1	128 49.2	81 07 10 21	50	220	X	X
KITIMAT ARM	610	53 50.0	128 49.2	81 07 11 02	50	220	X	X
KITIMAT ARM	611	53 50.0	128 49.2	81 07 11 06	49	220	X	X
KITIMAT ARM	612	53 50.0	128 49.2	81 07 11 11	49	220	X	X
KITIMAT ARM	613	53 50.0	128 49.2	81 07 11 16	46	220	X	X
KITIMAT ARM	614	53 48.0	128 50.3	81 07 11 20	210	220	X	X

BOTTLE/CTD DATA SET NUMBER: 81-0024A
YEAR:1981 VESSEL/AGENCY: IOS,VECTOR

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)	(M)	C	S	T			
ALICE ARM	1	54 49.00	130 15.00	81 5 21	5	433.9		X	X	GLDL
ALICE ARM	2	54 59.60	130 2.35	81 5 21	8	194.0		X	X	GLDL
ALICE ARM	20	55 19.15	129 46.60	81 5 21	20	471.2		X	X	GLDL
ALICE ARM	25	55 23.30	129 42.80	81 5 22	0	176.9		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 22	0	84.3		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 22	14	66.1		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 22	16	85.5		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 22	19	79.7		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 22	20	66.8		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 22	21	79.1		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 22	22	83.0		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 22	22	84.5		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 23	0	79.1		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 23	0	81.4		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 23	1	78.6		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 23	2	85.4		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 23	3	81.3		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 23	4	73.4		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 23	6	79.7		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 23	8	81.4		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 23	9	81.4		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 23	10	77.4		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 23	11	79.3		X	X	GLDL
ALICE ARM	27	55 24.85	129 40.40	81 5 24	7	78.5		X	X	GLDL
ALICE ARM	28	55 25.95	129 40.15	81 5 22	6	246.9		X	X	GLDL
ALICE ARM	28	55 25.95	129 40.15	81 5 22	9	248.8		X	X	GLDL
ALICE ARM	28	55 25.95	129 40.15	81 5 22	11	247.9		X	X	GLDL
ALICE ARM	28	55 25.95	129 40.15	81 5 22	13	198.7		X	X	GLDL
ALICE ARM	28	55 25.95	129 40.15	81 5 22	18	268.5		X	X	GLDL

ALICE ARM	28	55 25.95 129 40.15	81 5 22 19 94.7	X	X GLDL
ALICE ARM	28	55 25.95 129 40.15	81 5 22 20 248.6	X	X GLDL
ALICE ARM	28	55 25.95 129 40.15	81 5 22 21 242.6	X	X GLDL
ALICE ARM	28	55 25.95 129 40.15	81 5 22 22 246.3	X	X GLDL
ALICE ARM	28	55 25.95 129 40.15	81 5 22 23 243.0	X	X GLDL
ALICE ARM	28	55 25.95 129 40.15	81 5 23 0 247.2	X	X GLDL
ALICE ARM	28	55 25.95 129 40.15	81 5 23 1 259.4	X	X GLDL
ALICE ARM	28	55 25.95 129 40.15	81 5 23 2 266.6	X	X GLDL
ALICE ARM	28	55 25.95 129 40.15	81 5 23 3 272.7	X	X GLDL
ALICE ARM	28	55 25.95 129 40.15	81 5 23 4 274.8	X	X GLDL
ALICE ARM	28	55 25.95 129 40.15	81 5 23 5 275.1	X	X GLDL
ALICE ARM	28	55 25.95 129 40.15	81 5 23 6 279.2	X	X GLDL
ALICE ARM	28	55 25.95 129 40.15	81 5 23 8 246.1	X	X GLDL
ALICE ARM	28	55 25.95 129 40.15	81 5 23 9 245.8	X	X GLDL
ALICE ARM	28	55 25.95 129 40.15	81 5 23 10 249.3	X	X GLDL
ALICE ARM	28	55 25.95 129 40.15	81 5 23 11 236.7	X	X GLDL
ALICE ARM	28	55 25.95 129 40.15	81 5 24 7 273.8	X	X GLDL
ALICE ARM	29	55 26.66 129 38.80	81 5 22 1 318.9	X	X GLDL
ALICE ARM	29	55 26.66 129 38.80	81 5 23 12 322.9	X	X GLDL
ALICE ARM	30	55 27.13 129 37.30	81 5 23 12 372.8	X	X GLDL
ALICE ARM	31	55 27.03 129 35.50	81 5 22 1 363.7	X	X GLDL
ALICE ARM	31	55 27.03 129 35.50	81 5 22 6 223.7	X	X GLDL
ALICE ARM	31	55 27.03 129 35.50	81 5 22 8 322.3	X	X GLDL
ALICE ARM	31	55 27.03 129 35.50	81 5 22 10 325.5	X	X GLDL
ALICE ARM	31	55 27.03 129 35.50	81 5 22 11 377.0	X	X GLDL
ALICE ARM	31	55 27.03 129 35.50	81 5 22 13 337.3	X	X GLDL
ALICE ARM	31	55 27.03 129 35.50	81 5 22 15 377.2	X	X GLDL
ALICE ARM	31	55 27.03 129 35.50	81 5 22 18 370.1	X	X GLDL
ALICE ARM	31	55 27.03 129 35.50	81 5 23 12 300.3	X	X GLDL
ALICE ARM	32	55 26.90 129 33.92	81 5 23 13 269.2	X	X GLDL
ALICE ARM	33	55 26.75 129 31.90	81 5 22 2 253.3	X	X GLDL
ALICE ARM	33	55 26.75 129 31.90	81 5 23 13 262.3	X	X GLDL
ALICE ARM	33	55 26.75 129 31.90	81 5 23 15 216.1	X	X GLDL
ALICE ARM	34	55 26.92 129 30.30	81 5 23 13 166.7	X	X GLDL
ALICE ARM	35	55 27.67 129 29.07	81 5 22 2 97.5	X	X GLDL
ALICE ARM	35	55 27.67 129 29.07	81 5 22 5 80.5	X	X GLDL
ALICE ARM	35	55 27.67 129 29.07	81 5 22 10 83.1	X	X GLDL
ALICE ARM	35	55 27.67 129 29.07	81 5 22 12 93.4	X	X GLDL
ALICE ARM	35	55 27.67 129 29.07	81 5 22 15 80.8	X	X GLDL
ALICE ARM	35	55 27.67 129 29.07	81 5 22 17 74.4	X	X GLDL
ALICE ARM	35	55 27.67 129 29.07	81 5 23 7 78.1	X	X GLDL
ALICE ARM	35	55 27.67 129 29.07	81 5 23 14 90.0	X	X GLDL
ALICE ARM	35	55 27.67 129 29.07	81 5 21 12 174.9	X	X GLDL
ALICE ARM	B 1.5	55 2.30 130 0.65	81 5 21 13 173.0	X	X GLDL
ALICE ARM	B 1.5	55 2.30 130 0.65	81 5 21 13 173.0	X	X GLDL
ALICE ARM	B 1.5	55 2.30 130 0.65	81 5 21 13 173.0	X	X GLDL
ALICE ARM	B 1.5	55 2.30 130 0.65	81 5 21 14 129.4	X	X GLDL
ALICE ARM	B 1.5	55 2.30 130 0.65	81 5 21 18 150.6	X	X GLDL
ALICE ARM	B 1.8	55 2.70 130 0.60	81 5 21 14 79.4	X	X GLDL
ALICE ARM	B 1.8	55 2.70 130 0.60	81 5 21 14 107.9	X	X GLDL
ALICE ARM	B 1.8	55 2.70 130 0.60	81 5 21 16 33.4	X	X GLDL
ALICE ARM	B 2.0	55 3.00 130 0.50	81 5 21 14 34.9	X	X GLDL
ALICE ARM	B 2.0	55 3.00 130 0.50	81 5 21 14 32.4	X	X GLDL
ALICE ARM	B 2.0	55 3.00 130 0.50	81 5 21 14 41.2	X	X GLDL
ALICE ARM	B 2.0	55 3.00 130 0.50	81 5 21 15 44.4	X	X GLDL
ALICE ARM	B 2.0	55 3.00 130 0.50	81 5 21 15 77.1	X	X GLDL
ALICE ARM	B 2.1	55 3.14 130 0.40	81 5 21 13 67.1	X	X GLDL
ALICE ARM	B 2.2	55 3.20 130 0.30	81 5 21 14 82.5	X	X GLDL
ALICE ARM	B 2.2	55 3.20 130 0.30	81 5 21 14 70.0	X	X GLDL
ALICE ARM	B 2.2	55 3.20 130 0.30	81 5 21 14 58.1	X	X GLDL
ALICE ARM	B 2.5	55 3.50 130 0.20	81 5 21 10 116.9	X	X GLDL
ALICE ARM	B 2.5	55 3.50 130 0.20	81 5 21 17 108.6	X	X GLDL
ALICE ARM	B 3.0	55 3.60 130 0.00	81 5 21 17 153.8	X	X GLDL
ALICE ARM	B 4.0	55 4.10 129 59.50	81 5 21 17 215.9	X	X GLDL
ALICE ARM	B X	55 3.00 130 0.50	81 5 21 15 25.2	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 81-0024B
 VESSEL/AGENCY: ICS
 YEAR: 1981

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY. HR	CAST TO DEPTH	WATER MEAS (M)	PARAM (M)	INSTR C	INT S	NO T
ALICE ARM	AA 1	55 24.75	129 40.75	81 10 17 10	85.4			X	X	GLDL
ALICE ARM	AA 1	55 24.75	129 40.75	81 10 19 6	79.0			X	X	GLDL
ALICE ARM	AA 2	55 26.00	129 40.05	81 10 17 10	256.7			X	X	GLDL
ALICE ARM	AA 2	55 26.00	129 40.05	81 10 19 6	226.5			X	X	GLDL

ALICE ARM	AA 3	55 27.15	129 37.05	81 10 17	11 386.5	X	X GLDL
ALICE ARM	AA 3	55 27.15	129 37.05	81 10 19	5 366.9	X	X GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	81 10 17	12 270.5	X	X GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	81 10 19	5 240.6	X	X GLDL
ALICE ARM	AA 5	55 27.90	129 29.25	81 10 17	13 101.4	X	X GLDL
ALICE ARM	AA 5	55 27.90	129 29.25	81 10 19	4 95.0	X	X GLDL
ALICE ARM	HA 1	55 24.90	129 43.10	81 10 17	9 173.1	X	X GLDL
ALICE ARM	HA 1	55 24.90	129 43.10	81 10 19	3 149.0	X	X GLDL
ALICE ARM	HA 2	55 28.30	129 44.60	81 10 19	2 298.9	X	X GLDL
ALICE ARM	HA 2	55 28.70	129 45.10	81 10 17	8 306.2	X	X GLDL
ALICE ARM	HA 3	55 32.50	129 47.10	81 10 17	7 289.9	X	X GLDL
ALICE ARM	HA 3	55 32.50	129 47.10	81 10 19	1 291.6	X	X GLDL
ALICE ARM	HA 4	55 36.50	129 47.80	81 10 17	6 167.1	X	X GLDL
ALICE ARM	HA 4	55 36.50	129 47.80	81 10 19	1 163.1	X	X GLDL
ALICE ARM	OB 1	55 3.00	130 0.15	81 10 19	11 54.6	X	X GLDL
ALICE ARM	OB 1	55 3.10	130 0.80	81 10 17	20 59.7	X	X GLDL
ALICE ARM	OB 2	55 6.70	129 57.30	81 10 17	19 425.0	X	X GLDL
ALICE ARM	OB 2	55 6.70	129 57.30	81 10 18	7 245.1	X	X GLDL
ALICE ARM	OB 2	55 6.70	129 57.30	81 10 18	9 223.4	X	X GLDL
ALICE ARM	OB 2	55 6.70	129 57.30	81 10 18	11 223.8	X	X GLDL
ALICE ARM	OB 2	55 6.70	129 57.30	81 10 18	13 233.3	X	X GLDL
ALICE ARM	OB 2	55 6.70	129 57.30	81 10 18	17 231.3	X	X GLDL
ALICE ARM	OB 2	55 6.70	129 57.30	81 10 18	17 223.6	X	X GLDL
ALICE ARM	OB 2	55 6.70	129 57.30	81 10 18	20 232.3	X	X GLDL
ALICE ARM	OB 2	55 6.70	129 57.30	81 10 18	20 240.1	X	X GLDL
ALICE ARM	OB 2	55 6.70	129 57.30	81 10 18	20 425.8	X	X GLDL
ALICE ARM	OB 2	55 6.70	129 57.30	81 10 19	10 362.7	X	X GLDL
ALICE ARM	OB 3	55 10.00	129 53.00	81 10 17	18 466.4	X	X GLDL
ALICE ARM	OB 3	55 10.00	129 53.00	81 10 19	9 474.7	X	X GLDL
ALICE ARM	OB 4	55 13.90	129 51.10	81 10 17	16 497.5	X	X GLDL
ALICE ARM	OB 4	55 13.90	129 51.10	81 10 19	8 402.2	X	X GLDL
ALICE ARM	OB 5	55 17.50	129 47.90	81 10 17	16 526.9	X	X GLDL
ALICE ARM	OB 5	55 17.50	129 47.90	81 10 19	8 500.2	X	X GLDL
ALICE ARM	OB 6	55 21.30	129 45.70	81 10 17	15 236.2	X	X GLDL
ALICE ARM	OB 6	55 21.30	129 45.90	81 10 19	7 228.0	X	X GLDL
ALICE ARM	PI 1	54 40.60	123 28.20	81 10 18	2 538.7	X	X GLDL
ALICE ARM	PI 1	54 40.60	123 28.20	81 10 19	16 413.6	X	X GLDL
ALICE ARM	PI 2	54 43.80	130 24.30	81 10 18	1 542.8	X	X GLDL
ALICE ARM	PI 2	54 43.80	130 24.30	81 10 19	15 490.5	X	X GLDL
ALICE ARM	PI 3	54 46.70	130 19.70	81 10 18	0 497.3	X	X GLDL
ALICE ARM	PI 3	54 46.70	130 19.70	81 10 19	14 444.9	X	X GLDL
ALICE ARM	PI 4	54 49.60	130 14.90	81 10 17	23 451.5	X	X GLDL
ALICE ARM	PI 4	54 49.60	130 14.90	81 10 19	14 423.0	X	X GLDL
ALICE ARM	PI 5	54 52.85	130 10.90	81 10 17	23 428.7	X	X GLDL
ALICE ARM	PI 5	54 52.85	130 10.90	81 10 19	13 412.8	X	X GLDL
ALICE ARM	PI 6	54 56.10	130 6.90	81 10 17	21 344.3	X	X GLDL
ALICE ARM	PI 6	54 56.10	130 6.90	81 10 19	12 338.9	X	X GLDL
ALICE ARM	PI 7	54 59.30	130 2.80	81 10 17	21 221.5	X	X GLDL
ALICE ARM	PI 7	54 59.30	130 2.80	81 10 18	5 224.3	X	X GLDL
ALICE ARM	PI 7	54 59.30	130 2.80	81 10 18	8 211.4	X	X GLDL
ALICE ARM	PI 7	54 59.30	130 2.80	81 10 18	10 214.6	X	X GLDL
ALICE ARM	PI 7	54 59.30	130 2.80	81 10 18	12 211.7	X	X GLDL
ALICE ARM	PI 7	54 59.30	130 2.80	81 10 18	15 214.4	X	X GLDL
ALICE ARM	PI 7	54 59.30	130 2.80	81 10 18	17 209.5	X	X GLDL
ALICE ARM	PI 7	54 59.30	130 2.80	81 10 18	18 206.6	X	X GLDL
ALICE ARM	PI 7	54 59.30	130 2.80	81 10 19	12 210.9	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 81-0050
YEAR:1981 VESSEL/AGENCY: EPS

AREA	STN	LAT	LON	DATE	CAST	WATER	PARAM	INSTR	INT	NO
		DEG MIN	DEG MIN	YR MO DY HR	TO	DEPTH	MEAS	HR	(C)	(S)
		(M)	(M)			(M)				T

PORPOISE HBR	B10	54 13.19	130 17.60	81 08 04 02	10		X	X	BOTT
PORPOISE HBR	B13	54 11.90	130 18.58	81 08 03 18	20		X	X	BOTT
PORPOISE HBR	P12	54 13.22	130 17.63	81 08 03 23	10		X	X	BOTT
PORPOISE HBR	P17	54 15.03	130 16.95	81 08 03 22	10		X	X	BOTT
PORPOISE HBR	P18	54 14.25	130 18.40	81 08 04 06	10		X	X	BOTT
PORPOISE HBR	P20	54 12.10	130 18.30	81 08 03 18	20		X	X	BOTT
PORPOISE HBR	PH1	54 14.55	130 18.34	81 08 03 22	10		X	X	BOTT
PORPOISE HBR	PH2	54 12.51	130 17.72	81 08 04 02	20		X	X	BOTT
PORPOISE HBR	PH3	54 13.90	130 18.05	81 08 04 05	10		X	X	BOTT

BOTTLE/CTD DATA SET NUMBER: 81-0053C
YEAR: 1981 VESSEL/AGENCY: PBS, G.B.REED

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						
Q.C.SOUND	32	52 04.0	128 53.0	81 05 19 15	168	168		X	XBT	
Q.C.SOUND	33	51 18.0	128 43.0	81 05 19 20	152	152		X	XBT	
Q.C.SOUND	34	51 30.0	128 33.0	81 05 20 15	183	183		X	XBT	
Q.C.SOUND	35	51 23.0	128 45.0	81 05 20 20	206	206		X	XBT	

BOTTLE/CTD DATA SET NUMBER: 81-0053D
YEAR: 1981 VESSEL/AGENCY: PBS, TENACIOUS

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						
HECATE STRAIT	1	52 16.0	130 23.0	81 06 07 18	304	304		X	XBT	
HECATE STRAIT	2	52 22.0	130 29.0	81 06 08 02	170	170		X	XBT	
HECATE STRAIT	3	52 25.0	130 21.0	81 06 08 18	15	15		X	XBT	
HECATE STRAIT	4	52 47.0	130 21.0	81 06 10 16	193	193		X	XBT	
HECATE STRAIT	5	53 05.0	130 11.0	81 06 11 02	10	10		X	XBT	
HECATE STRAIT	6	52 36.0	130 03.0	81 06 12 21	271	271		X	XBT	
HECATE STRAIT	7	52 17.0	130 04.0	81 06 14 17	240	240		X	XBT	
HECATE STRAIT	8	51 59.0	130 43.0	81 06 16 00	296	296		X	XBT	
HECATE STRAIT	9	53 10.0	130 17.0	81 06 16 22	212	212		X	XBT	

BOTTLE/CTD DATA SET NUMBER: 81-0053E
YEAR: 1981 VESSEL/AGENCY: PBS, G.B.REED

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						
Q.C.SOUND	1	51 12.0	128 30.0	81 07 05 17	198	198		X	XBT	
Q.C.SOUND	2	51 27.0	129 06.0	81 07 06 16	83	83		X	XBT	
Q.C.SOUND	3	51 26.0	128 53.0	81 07 07 13	190	190		X	XBT	
Q.C.SOUND	4	51 27.0	128 32.0	81 07 08 07	226	226		X	XBT	
Q.C.SOUND	5	51 22.0	128 52.0	81 07 08 10	258	258		X	XBT	
Q.C.SOUND	6	51 58.0	129 22.0	81 07 09 07	218	218		X	XBT	
Q.C.SOUND	7	51 43.0	129 52.0	81 07 09 09	336	336		X	XBT	
Q.C.SOUND	8	51 27.0	128 32.0	81 07 10 06	208	208		X	XBT	
Q.C.SOUND	9	51 12.0	128 30.0	81 07 10 08	200	200		X	XBT	
Q.C.SOUND	10	51 16.0	129 14.0	81 07 11 02	277	277		X	XBT	
Q.C.SOUND	11	51 21.0	129 54.0	81 07 11 06	247	247		X	XBT	
Q.C.SOUND	12	52 02.0	128 41.0	81 07 14 17	172	172		X	XBT	
Q.C.SOUND	13	51 12.0	128 21.0	81 07 16 22	164	164		X	XBT	

BOTTLE/CTD DATA SET NUMBER: 81-0053F
YEAR:1981 VESSEL/AGENCY: PBS,ARCTIC OCEAN

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)		(M)			C	S	T
Q.C.SOUND	1	51 07.0	128 21.0	81 08 07 20	183	183		X	XBT	
Q.C.SOUND	2	51 13.0	129 17.0	81 08 08 02	286	286		X	XBT	
Q.C.SOUND	3	51 43.0	129 50.0	81 08 07 19	319	319		X	XBT	
HECATE STRAIT	4	53 20.0	130 46.0	81 08 11 14	183			X	XBT	
HECATE STRAIT	5	53 21.0	131 36.0	81 08 13 20	25	25		X	XBT	
HECATE STRAIT	6	53 48.0	131 27.0	81 08 15 03	17	17		X	XBT	
HECATE STRAIT	7	54 09.0	131 05.0	81 08 17 00	110	110		X	XBT	
CHATHAM SOUND	8	54 29.0	130 45.0	81 08 19 04	200			X	XBT	

BOTTLE/CTD DATA SET NUMBER: 81-0053G
YEAR:1981 VESSEL/AGENCY: PBS,G.B.REED

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)		(M)			C	S	T
Q.C.SOUND	1	51 07.0	128 20.0	81 08 12 17	181	181		X	XBT	
Q.C.SOUND	2	51 15.0	128 40.0	81 08 12 19	191	191		X	XBT	
Q.C.SOUND	3	51 24.0	128 43.0	81 08 12 20	216	216		X	XBT	
Q.C.SOUND	4	51 19.0	129 00.0	81 08 12 23	238	238		X	XBT	
Q.C.SOUND	5	51 13.0	129 17.0	81 08 13 01	285	285		X	XBT	
Q.C.SOUND	6	51 07.0	129 37.0	81 08 13 03	263			X	XBT	
Q.C.SOUND	7	51 21.0	129 49.0	81 08 13 05	230	230		X	XBT	
Q.C.SOUND	8	52 00.0	129 30.0	81 08 13 21	201	201		X	XBT	
HECATE STRAIT	9	52 30.0	130 07.0	81 08 14 02	288	288		X	XBT	
HECATE STRAIT	10	52 40.0	130 09.0	81 08 14 04	239	239		X	XBT	
HECATE STRAIT	11	52 50.0	130 11.0	81 08 14 05	249	249		X	XBT	
HECATE STRAIT	12	53 00.0	130 12.0	81 08 14 06	209	209		X	XBT	
HECATE STRAIT	13	53 09.0	130 27.0	81 08 15 04	201	201		X	XBT	
HECATE STRAIT	14	53 17.0	130 41.0	81 08 15 05	179	179		X	XBT	
HECATE STRAIT	15	53 28.0	130 45.0	81 08 15 06	153	153		X	XBT	
HECATE STRAIT	16	53 43.0	130 43.0	81 08 15 18	142	142		X	XBT	
HECATE STRAIT	17	53 50.0	130 52.0	81 08 15 22	88	88		X	XBT	
HECATE STRAIT	18	53 57.0	131 00.0	81 08 16 05	70	70		X	XBT	
HECATE STRAIT	19	54 07.0	131 02.0	81 08 16 06	107			X	XBT	
HECATE STRAIT	20	54 17.0	131 02.0	81 08 16 08	123	123		X	XBT	
Q.C.SOUND	26	51 36.0	130 02.0	81 08 25 08	150			X	XBT	

BOTTLE/CTD DATA SET NUMBER: 81-0054
YEAR:1981 VESSEL/AGENCY: IOS

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)		(M)			C	S	T
ALICE ARM	O 20	55 26.90	129 31.84	81 07 08 21	114.6			X	X	GLDL
ALICE ARM	B168	55 25.60	129 40.28	81 08 03 16	55.1			X	X	GLDL
ALICE ARM	B168	55 25.60	129 40.28	81 08 09 19	129.3			X	X	GLDL
ALICE ARM	B168	55 25.60	129 40.28	81 09 02 16	86.6			X	X	GLDL
ALICE ARM	B168	55 25.60	129 40.28	81 09 08 00	85.1			X	X	GLDL
ALICE ARM	D 03	55 28.00	129 28.85	81 08 14 16	92.3			X	X	GLDL
ALICE ARM	DP	55 16.40	129 48.60	81 08 10 20	267.9			X	X	GLDL
ALICE ARM	DP	55 16.40	129 48.60	81 08 12 18	269.0			X	X	GLDL
ALICE ARM	E 07	55 27.90	129 29.55	81 08 13 15	263.0			X	X	GLDL
ALICE ARM	E 07	55 27.90	129 29.55	81 08 14 15	268.1			X	X	GLDL
ALICE ARM	F 06	55 27.80	129 29.38	81 08 13 15	90.3			X	X	GLDL
ALICE ARM	F 06	55 27.80	129 29.38	81 08 14 15	93.1			X	X	GLDL

ALICE ARM	F 06	55 27.80	129 29.38	81 09 08 14 199.1	X	X GLDL
ALICE ARM	F 08	55 27.80	129 29.73	81 09 08 15 103.1	X	X GLDL
ALICE ARM	F167	55 25.20	129 40.11	81 08 03 16 77.1	X	X GLDL
ALICE ARM	G 5	55 27.70	129 29.20	81 06 24 03 102.6	X	X GLDL
ALICE ARM	G 5	55 27.70	129 29.20	81 06 25 01 102.5	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 06 29 20 100.9	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 07 07 15 108.9	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 07 10 15 158.7	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 07 15 18 207.9	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 07 16 20 128.7	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 07 20 14 92.0	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 08 06 22 91.8	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 08 07 15 88.0	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 08 08 21 86.1	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 08 09 15 85.2	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 08 13 16 90.0	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 08 14 15 92.5	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 08 15 15 251.1	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 08 17 15 90.8	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 08 19 17 90.9	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 08 23 21 100.7	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 08 24 15 85.2	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 08 25 20 91.2	X	X GLDL
ALICE ARM	G 05	55 27.70	129 29.20	81 09 01 14 90.7	X	X GLDL
ALICE ARM	G5	55 27.70	129 29.20	81 08 11 15 235.1	X	X GLDL
ALICE ARM	GG	55 22.00	129 45.00	81 07 21 20 168.5	X	X GLDL
ALICE ARM	GG	55 22.00	129 45.00	81 07 28 18 168.1	X	X GLDL
ALICE ARM	GG	55 22.00	129 45.00	81 08 05 18 175.2	X	X GLDL
ALICE ARM	GG	55 22.00	129 45.00	81 08 10 18 76.0	X	X GLDL
ALICE ARM	GG	55 22.00	129 45.00	81 08 12 17 77.3	X	X GLDL
ALICE ARM	GG	55 22.00	129 45.00	81 08 16 19 153.7	X	X GLDL
ALICE ARM	GG	55 22.00	129 45.00	81 08 31 17 80.2	X	X GLDL
ALICE ARM	GG	55 22.00	129 45.00	81 09 12 15 169.5	X	X GLDL
ALICE ARM	H 08	55 27.60	129 29.73	81 09 08 15 106.0	X	X GLDL
ALICE ARM	H1	55 37.03	129 48.00	81 09 07 18 219.1	X	X GLDL
ALICE ARM	H10	55 25.80	129 43.41	81 09 07 23 312.0	X	X GLDL
ALICE ARM	H11	55 23.30	129 42.75	81 09 07 23 186.0	X	X GLDL
ALICE ARM	H11	55 23.30	129 42.75	81 09 09 18 44.0	X	X GLDL
ALICE ARM	H11-	55 22.80	129 43.50	81 09 09 17 230.0	X	X GLDL
ALICE ARM	H12	55 22.05	129 45.30	81 09 09 18 147.9	X	X GLDL
ALICE ARM	H13	55 23.60	129 46.00	81 09 09 18 149.8	X	X GLDL
ALICE ARM	H14	55 25.10	129 46.70	81 09 09 19 123.6	X	X GLDL
ALICE ARM	H15	55 23.82	129 49.55	81 09 09 20 109.9	X	X GLDL
ALICE ARM	H16	55 22.76	129 49.56	81 09 09 20 90.0	X	X GLDL
ALICE ARM	H17	55 21.70	129 49.75	81 09 09 20 90.1	X	X GLDL
ALICE ARM	H2	55 36.60	129 47.85	81 09 07 19 102.7	X	X GLDL
ALICE ARM	H3	55 36.00	129 47.60	81 09 07 19 114.0	X	X GLDL
ALICE ARM	H4	55 35.79	129 47.40	81 09 07 19 149.0	X	X GLDL
ALICE ARM	H4.5	55 34.70	129 47.85	81 09 07 20 266.0	X	X GLDL
ALICE ARM	H5	55 33.73	129 47.60	81 09 07 20 167.0	X	X GLDL
ALICE ARM	H6	55 32.41	129 47.02	81 09 07 21 255.0	X	X GLDL
ALICE ARM	H7	55 31.05	129 46.60	81 09 07 21 277.0	X	X GLDL
ALICE ARM	H9	55 28.50	129 44.90	81 09 07 22 304.0	X	X GLDL
ALICE ARM	HA	55 25.07	129 43.07	81 06 28 18 210.8	X	X GLDL
ALICE ARM	HA00	55 36.00	129 47.50	81 08 26 17 94.7	X	X GLDL
ALICE ARM	HA01	55 32.00	129 47.00	81 08 26 18 173.7	X	X GLDL
ALICE ARM	HA02	55 28.00	129 44.00	81 08 18 18 203.8	X	X GLDL
ALICE ARM	HA02	55 28.00	129 44.00	81 08 26 20 247.2	X	X GLDL
ALICE ARM	HA03	55 27.00	129 43.90	81 08 18 18 255.9	X	X GLDL
ALICE ARM	HH	55 12.60	129 52.00	81 08 12 19 268.1	X	X GLDL
ALICE ARM	I 34	55 27.50	129 34.30	81 09 11 17 216.9	X	X GLDL
ALICE ARM	II	55 8.90	129 54.40	81 08 12 20 267.9	X	X GLDL
ALICE ARM	J 08	55 27.40	129 29.73	81 09 08 15 107.0	X	X GLDL
ALICE ARM	JJ	55 6.00	129 57.90	81 08 12 21 263.6	X	X GLDL
ALICE ARM	K 7	55 27.30	129 29.55	81 06 24 02 176.0	X	X GLDL
ALICE ARM	K 7	55 27.30	129 29.55	81 06 25 01 101.9	X	X GLDL
ALICE ARM	K 07	55 27.30	129 29.55	81 06 27 23 99.3	X	X GLDL
ALICE ARM	K 07	55 27.30	129 29.55	81 06 30 20 66.3	X	X GLDL
ALICE ARM	K 07	55 27.30	129 29.55	81 07 02 19 140.0	X	X GLDL
ALICE ARM	K 07	55 27.30	129 29.55	81 07 03 19 92.1	X	X GLDL
ALICE ARM	K 07	55 27.30	129 29.55	81 07 04 20 101.5	X	X GLDL
ALICE ARM	K 07	55 27.30	129 29.55	81 07 06 21 177.0	X	X GLDL
ALICE ARM	K 07	55 27.30	129 29.55	81 07 07 19 173.8	X	X GLDL
ALICE ARM	K 07	55 27.30	129 29.55	81 07 11 21 98.1	X	X GLDL
ALICE ARM	K 07	55 27.30	129 29.55	81 07 12 20 77.8	X	X GLDL
ALICE ARM	K 07	55 27.30	129 29.55	81 07 13 18 145.9	X	X GLDL
ALICE ARM	K 07	55 27.30	129 29.55	81 07 14 19 81.9	X	X GLDL
ALICE ARM	K 07	55 27.30	129 29.55	81 07 15 18 74.8	X	X GLDL
ALICE ARM	K 07	55 27.30	129 29.55	81 07 16 19 77.0	X	X GLDL
ALICE ARM	K 07	55 27.30	129 29.55	81 07 18 20 140.9	X	X GLDL
ALICE ARM	K 07	55 27.30	129 29.55	81 07 19 21 74.0	X	X GLDL
ALICE ARM	K 07	55 27.30	129 29.55	81 07 20 15 88.0	X	X GLDL
ALICE ARM	K 07	55 27.30	129 29.55	81 07 21 17 139.0	X	X GLDL

ALICE ARM	K 07	55 27.30 129 29.55	81 07 24 14 127.7	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 07 24 15 89.2	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 07 25 15 207.6	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 07 25 20 188.1	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 07 26 14 104.7	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 07 26 21 138.6	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 07 27 20 89.7	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 07 29 15 179.9	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 07 30 14 160.9	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 07 31 15 79.0	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 01 20 126.7	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 02 16 137.2	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 02 20 134.7	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 03 21 99.9	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 04 15 100.7	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 05 14 158.1	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 06 21 100.9	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 07 15 85.2	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 08 21 90.1	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 09 15 91.2	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 10 14 80.0	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 11 15 89.8	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 13 16 85.2	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 14 15 91.7	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 15 15 90.6	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 17 16 89.6	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 18 23 91.3	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 20 15 198.0	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 21 16 94.9	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 23 20 95.8	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 24 15 89.6	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 25 19 139.0	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 26 23 90.0	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 28 15 139.1	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 29 15 335.9	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 29 17 99.2	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 29 19 148.2	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 08 30 14 179.0	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 09 01 14 88.9	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 09 02 20 93.1	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 09 03 14 90.7	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 09 03 19 141.0	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 09 04 14 90.6	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 09 06 14 90.7	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 09 08 19 111.0	X	X GLDL
ALICE ARM	K 07	55 27.30 129 29.55	81 09 10 14 85.9	X	X GLDL
ALICE ARM	K 39	55 27.30 129 35.18	81 07 09 16 86.7	X	X GLDL
ALICE ARM	K 39	55 27.30 129 35.18	81 07 27 15 103.7	X	X GLDL
ALICE ARM	K 39	55 27.30 129 35.18	81 08 06 15 275.1	X	X GLDL
ALICE ARM	K 39	55 27.30 129 35.18	81 08 08 15 130.0	X	X GLDL
ALICE ARM	K 39	55 27.30 129 35.18	81 08 25 17 308.7	X	X GLDL
ALICE ARM	K 39	55 27.30 129 35.18	81 09 11 15 215.0	X	X GLDL
ALICE ARM	K 39	55 27.30 129 35.18	81 09 11 15 215.0	X	X GLDL
ALICE ARM	K 44	55 27.30 129 36.06	81 06 23 21 .0	X	X GLDL
ALICE ARM	K170	55 24.70 129 40.64	81 07 21 20 177.0	X	X GLDL
ALICE ARM	K170	55 24.70 129 40.64	81 07 28 17 136.9	X	X GLDL
ALICE ARM	K170	55 24.70 129 40.64	81 08 03 16 100.0	X	X GLDL
ALICE ARM	K170	55 24.70 129 40.64	81 08 05 17 208.1	X	X GLDL
ALICE ARM	K170	55 24.70 129 40.64	81 08 09 19 185.1	X	X GLDL
ALICE ARM	K170	55 24.70 129 40.64	81 08 10 17 .0	X	X GLDL
ALICE ARM	K170	55 24.70 129 40.64	81 08 12 16 189.7	X	X GLDL
ALICE ARM	K170	55 24.70 129 40.64	81 08 16 17 138.9	X	X GLDL
ALICE ARM	K170	55 24.70 129 40.64	81 08 23 15 89.0	X	X GLDL
ALICE ARM	K170	55 24.70 129 40.64	81 08 31 16 134.7	X	X GLDL
ALICE ARM	K170	55 24.70 129 40.64	81 09 02 15 184.2	X	X GLDL
ALICE ARM	K170	55 24.70 129 40.64	81 09 07 00 159.0	X	X GLDL
ALICE ARM	K170	55 24.70 129 40.64	81 09 09 17 358.2	X	X GLDL
ALICE ARM	KK	55 0.70 130 1.20	81 08 12 22 134.0	X	X GLDL
ALICE ARM	KL	55 24.00 129 46.20	81 08 31 18 178.9	X	X GLDL
ALICE ARM	L 09	55 27.20 129 29.90	81 08 14 17 92.1	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 06 25 01 151.7	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 06 27 22 166.0	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 06 28 23 145.5	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 06 29 19 150.8	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 06 30 20 141.0	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 07 04 18 100.8	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 07 06 21 145.9	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 07 07 18 149.6	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 07 10 20 115.9	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 07 11 20 144.9	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 07 12 20 145.1	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 07 13 17 192.8	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 07 15 17 107.7	X	X GLDL

ALICE ARM	L 10	55 27.20 129 30.08	81 07 16 18 106.0	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 07 17 20 102.6	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 07 20 15 95.7	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 07 22 18 98.6	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 07 24 15 94.3	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 07 29 17 139.9	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 07 30 17 101.2	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 07 31 19 85.9	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 08 03 20 187.8	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 08 04 16 100.3	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 08 06 21 135.9	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 08 07 15 90.2	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 08 08 21 152.3	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 08 09 15 159.0	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 08 19 20 133.7	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 08 21 15 346.7	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 08 23 19 178.7	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 08 24 17 138.5	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 08 25 18 178.9	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 08 29 15 136.6	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 09 03 15 141.3	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 09 03 17 142.7	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 09 04 15 91.0	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 09 08 15 107.9	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 09 10 15 147.0	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	81 09 11 22 103.6	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.17	81 07 31 19 136.9	X	X GLDL
ALICE ARM	L 31	55 27.20 129 33.78	81 06 24 17 87.9	X	X GLDL
ALICE ARM	L 31	55 27.20 129 33.78	81 06 26 15 102.1	X	X GLDL
ALICE ARM	L 31	55 27.20 129 33.78	81 07 06 17 139.1	X	X GLDL
ALICE ARM	L 31	55 27.20 129 33.78	81 07 08 16 208.2	X	X GLDL
ALICE ARM	L 31	55 27.20 129 33.78	81 07 16 16 189.6	X	X GLDL
ALICE ARM	L 31	55 27.20 129 33.78	81 07 27 16 266.7	X	X GLDL
ALICE ARM	L 31	55 27.20 129 33.78	81 08 07 20 117.1	X	X GLDL
ALICE ARM	L 31	55 27.20 129 33.78	81 08 08 17 269.7	X	X GLDL
ALICE ARM	L 31	55 27.20 129 33.78	81 08 14 21 267.3	X	X GLDL
ALICE ARM	L 31	55 27.20 129 33.78	81 08 27 16 207.6	X	X GLDL
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ALICE ARM	LL	55 25.25 129 46.00	81 08 31 18 109.9	X	X GLDL
ALICE ARM	M 9	55 27.10 129 29.90	81 06 25 00 141.2	X	X GLDL
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ALICE ARM	M 09	55 27.10 129 29.90	81 07 02 19 83.5	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 07 03 18 102.8	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 07 04 18 82.1	X	X GLDL
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ALICE ARM	M 09	55 27.10 129 29.90	81 07 07 18 90.8	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 07 10 20 173.9	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 07 12 20 178.2	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 07 13 17 173.9	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 07 15 18 176.1	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 07 16 18 184.9	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 07 17 20 173.5	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 07 19 15 156.5	X	X GLDL
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ALICE ARM	M 09	55 27.10 129 29.90	81 07 26 16 251.1	X	X GLDL
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ALICE ARM	M 09	55 27.10 129 29.90	81 07 26 19 222.9	X	X GLDL
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ALICE ARM	M 09	55 27.10 129 29.90	81 07 30 18 173.7	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 07 31 20 169.9	X	X GLDL

ALICE ARM	M 09	55 27.10 129 29.90	81 08 01 20 91.1	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 08 02 16 187.6	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 08 02 18 189.2	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 08 02 19 189.7	X	X GLDL
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ALICE ARM	M 09	55 27.10 129 29.90	81 08 17 17 95.3	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 08 19 20 90.7	X	X GLDL
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ALICE ARM	M 09	55 27.10 129 29.90	81 08 21 15 159.9	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 08 22 15 149.2	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 08 22 21 165.1	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 08 23 20 162.6	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 08 24 16 81.0	X	X GLDL
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ALICE ARM	M 09	55 27.10 129 29.90	81 08 29 17 85.1	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 08 29 17 139.0	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 08 29 20 91.0	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 09 01 15 95.5	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 09 01 17 183.9	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 09 03 15 88.9	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 09 03 17 95.0	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 09 03 19 95.0	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 09 04 15 128.8	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 09 06 15 91.9	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 09 08 18 228.8	X	X GLDL
ALICE ARM	M 09	55 27.10 129 29.90	81 09 10 15 104.9	X	X GLDL
ALICE ARM	M 12	55 27.10 129 30.43	81 09 03 16 170.6	X	X GLDL
ALICE ARM	M 12	55 27.10 129 30.43	81 09 06 16 183.8	X	X GLDL
ALICE ARM	M 12	55 27.10 129 30.43	81 09 08 15 171.0	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 06 27 17 130.9	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 07 12 17 89.1	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 07 27 16 158.2	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 08 06 15 155.3	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 08 08 16 152.1	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 08 10 16 228.0	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 08 12 15 96.0	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 08 13 21 248.0	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 08 15 21 247.6	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 08 20 18 208.9	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 08 23 17 208.0	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 08 25 17 198.6	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 08 28 20 102.1	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 08 30 18 335.0	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 09 02 18 299.2	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 09 09 15 249.8	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 09 11 15 160.7	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	81 09 11 15 160.7	X	X GLDL
ALICE ARM	M 42	55 27.10 129 35.71	81 07 09 15 211.2	X	X GLDL
ALICE ARM	M 53	55 27.10 129 37.65	81 08 15 22 267.7	X	X GLDL
ALICE ARM	M 53	55 27.10 129 37.65	81 08 20 20 347.8	X	X GLDL
ALICE ARM	M 53	55 27.10 129 37.65	81 09 02 17 192.9	X	X GLDL
ALICE ARM	M 53	55 27.10 129 37.65	81 09 09 16 351.1	X	X GLDL
ALICE ARM	MM	55 25.00 129 48.00	81 08 31 18 111.6	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 06 26 22 158.6	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 06 27 22 154.8	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 06 28 23 160.7	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 06 29 20 145.8	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 06 30 20 85.9	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 01 19 154.0	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 02 18 101.9	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 03 18 143.0	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 04 19 139.7	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 05 23 145.0	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 06 20 148.1	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 07 18 141.1	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 08 22 157.7	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 10 21 259.0	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 11 21 153.6	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 12 20 145.6	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 13 17 114.0	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 14 19 193.0	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 15 18 136.7	X	X GLDL

ALICE ARM	N 08	55 27.00 129 29.73	81 07 16 19 166.6	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 17 21 138.0	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 18 20 140.7	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 19 21 139.1	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 20 15 144.8	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 22 17 142.0	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 24 16 144.0	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 25 15 92.5	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 26 15 103.9	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 27 19 189.8	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 28 14 109.5	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 29 17 139.6	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 07 30 18 138.9	X	X GLDL
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ALICE ARM	N 08	55 27.00 129 29.73	81 08 02 20 103.3	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 03 21 139.1	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 04 15 135.5	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 05 15 134.9	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 06 21 147.7	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 08 20 102.2	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 09 15 91.9	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 10 15 90.1	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 11 19 130.0	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 12 14 106.7	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 13 17 131.7	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 14 17 90.0	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 15 15 90.7	X	X GLDL
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ALICE ARM	N 08	55 27.00 129 29.73	81 08 17 17 96.6	X	X GLDL
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ALICE ARM	N 08	55 27.00 129 29.73	81 08 19 19 90.3	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 20 15 92.0	X	X GLDL
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ALICE ARM	N 08	55 27.00 129 29.73	81 08 22 22 134.8	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 23 20 134.1	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 24 16 94.6	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 24 16 89.7	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 26 23 178.7	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 27 18 135.9	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 28 15 95.2	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 08 29 15 97.1	X	X GLDL
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ALICE ARM	N 08	55 27.00 129 29.73	81 09 02 20 185.1	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 09 03 15 95.0	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 09 03 17 103.0	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 09 03 18 171.6	X	X GLDL
ALICE ARM	N 08	55 27.00 129 29.73	81 09 03 18 92.0	X	X GLDL
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ALICE ARM	N 08	55 27.00 129 29.73	81 09 11 21 144.8	X	X GLDL
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ALICE ARM	N 11	55 27.00 129 30.26	81 08 13 17 91.3	X	X GLDL
ALICE ARM	N 11	55 27.00 129 30.26	81 09 03 16 80.7	X	X GLDL
ALICE ARM	N 11	55 27.00 129 30.26	81 09 06 15 92.0	X	X GLDL
ALICE ARM	N 14	55 27.00 129 30.78	81 06 27 21 153.0	X	X GLDL
ALICE ARM	N 14	55 27.00 129 30.78	81 06 28 22 151.2	X	X GLDL
ALICE ARM	N 14	55 27.00 129 30.78	81 06 29 18 160.2	X	X GLDL
ALICE ARM	N 14	55 27.00 129 30.78	81 06 30 19 183.7	X	X GLDL
ALICE ARM	N 14	55 27.00 129 30.78	81 07 01 18 80.7	X	X GLDL
ALICE ARM	N 14	55 27.00 129 30.78	81 07 02 18 175.0	X	X GLDL
ALICE ARM	N 14	55 27.00 129 30.78	81 07 03 18 177.9	X	X GLDL
ALICE ARM	N 14	55 27.00 129 30.78	81 07 04 18 207.8	X	X GLDL
ALICE ARM	N 14	55 27.00 129 30.78	81 07 05 22 268.1	X	X GLDL
ALICE ARM	N 14	55 27.00 129 30.78	81 07 06 19 179.7	X	X GLDL
ALICE ARM	N 14	55 27.00 129 30.78	81 07 07 17 115.2	X	X GLDL
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ALICE ARM	N 14	55 27.00 129 30.78	81 07 15 17 191.7	X	X GLDL
ALICE ARM	N 14	55 27.00 129 30.78	81 07 16 18 107.1	X	X GLDL
ALICE ARM	N 14	55 27.00 129 30.78	81 07 17 20 93.9	X	X GLDL
ALICE ARM	N 14	55 27.00 129 30.78	81 07 18 14 73.2	X	X GLDL

ALICE ARM	N 14	55 27.00	129 30.78	81 07 18 15 142.8	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 07 18 16 142.2	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 07 18 17 141.9	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 07 18 18 140.2	X	X GLDL
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ALICE ARM	N 14	55 27.00	129 30.78	81 07 30 17 187.0	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 07 31 18 157.2	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 08 01 15 103.9	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 08 01 15 137.6	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 08 01 16 140.0	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 08 01 17 137.9	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 08 01 17 138.5	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 08 01 19 139.0	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 08 04 17 170.1	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 08 06 20 231.8	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 08 07 18 174.7	X	X GLDL
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ALICE ARM	N 14	55 27.00	129 30.78	81 08 14 17 103.7	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 08 15 17 183.7	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 08 17 19 180.2	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 08 18 22 129.0	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 08 19 21 175.3	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 08 20 17 174.8	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 08 21 18 187.8	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 08 27 17 247.9	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 08 28 16 90.9	X	X GLDL
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ALICE ARM	N 14	55 27.00	129 30.78	81 09 06 16 161.0	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	81 09 08 16 170.7	X	X GLDL
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ALICE ARM	N 14	55 27.00	129 30.78	81 09 11 20 247.7	X	X GLDL
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ALICE ARM	N 24	55 27.00	129 32.54	81 06 24 20 202.2	X	X GLDL
ALICE ARM	N 24	55 27.00	129 32.54	81 06 25 18 112.1	X	X GLDL
ALICE ARM	N 24	55 27.00	129 32.54	81 07 01 16 209.1	X	X GLDL
ALICE ARM	N 24	55 27.00	129 32.54	81 07 06 17 209.2	X	X GLDL
ALICE ARM	N 24	55 27.00	129 32.54	81 07 08 17 132.8	X	X GLDL
ALICE ARM	N 24	55 27.00	129 32.54	81 07 10 17 165.8	X	X GLDL
ALICE ARM	N 24	55 27.00	129 32.54	81 07 13 15 108.9	X	X GLDL
ALICE ARM	N 24	55 27.00	129 32.54	81 07 27 17 188.6	X	X GLDL
ALICE ARM	N 24	55 27.00	129 32.54	81 07 30 16 269.2	X	X GLDL
ALICE ARM	N 24	55 27.00	129 32.54	81 08 06 17 267.1	X	X GLDL
ALICE ARM	N 24	55 27.00	129 32.54	81 08 07 20 270.3	X	X GLDL
ALICE ARM	N 24	55 27.00	129 32.54	81 08 08 17 142.1	X	X GLDL
ALICE ARM	N 24	55 27.00	129 32.54	81 08 11 22 204.6	X	X GLDL
ALICE ARM	N 24	55 27.00	129 32.54	81 08 15 18 242.1	X	X GLDL
ALICE ARM	N 24	55 27.00	129 32.54	81 09 11 17 130.2	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 06 24 17 142.9	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 06 26 16 171.9	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 06 27 18 211.0	X	X GLDL
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ALICE ARM	N 32	55 27.00	129 33.95	81 07 06 17 199.0	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 07 08 16 208.1	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 07 09 17 158.5	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 07 11 17 180.6	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 07 12 17 207.8	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 07 16 15 96.9	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 07 20 18 355.2	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 07 22 22 32.9	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 07 27 16 148.2	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 07 29 16 256.6	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 08 07 20 141.0	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 08 08 17 271.0	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 08 14 20 269.2	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 08 17 21 101.2	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 08 19 23 198.1	X	X GLDL

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ALICE ARM	N 32	55 27.00	129 33.95	81 08 27 15	296.8	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 08 30 17	257.0	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 09 04 19	149.1	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 09 10 18	110.3	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 09 10 18	110.3	X	X GLDL
ALICE ARM	N 32	55 27.00	129 33.95	81 09 11 16	151.1	X	X GLDL
ALICE ARM	0 10	55 26.90	129 30.08	81 09 03 15	170.6	X	X GLDL
ALICE ARM	0 10	55 26.90	129 30.08	81 09 06 15	103.0	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 06 24 23	87.8	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 06 26 22	166.5	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 06 27 21	102.9	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 06 28 22	101.2	X	X GLDL
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ALICE ARM	0 13	55 26.90	129 30.61	81 07 19 20	140.6	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 07 20 16	140.6	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 07 21 17	143.2	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 07 22 20	171.0	X	X GLDL
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ALICE ARM	0 13	55 26.90	129 30.61	81 07 26 20	139.9	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 07 27 18	175.1	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 07 28 15	145.3	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 07 29 15	138.9	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 07 29 17	104.3	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 07 30 17	139.6	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 07 31 18	102.2	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 01 15	100.9	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 01 15	100.7	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 01 16	102.0	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 01 17	100.5	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 01 18	104.0	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 01 19	102.2	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 02 16	225.6	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 02 17	225.9	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 02 19	236.7	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 03 20	225.7	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 04 17	103.7	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 06 20	100.1	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 07 17	131.8	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 08 20	175.0	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 10 15	130.0	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 11 20	131.6	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 12 14	129.7	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 13 18	160.2	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 14 17	101.6	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 15 16	140.3	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 16 02	100.2	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 17 18	140.1	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 19 21	139.1	X	X GLDL

ALICE ARM	0 13	55 26.90	129 30.61	81 08 20 16 139.8	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 21 17 140.0	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 22 21 134.8	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 23 18 16.0	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 24 17 154.6	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 25 18 237.8	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 26 22 188.7	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 27 17 99.7	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 28 17 100.9	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 29 18 138.1	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 29 18 175.9	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 29 18 175.9	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 29 20 138.1	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 08 30 15 136.7	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 09 01 15 139.6	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 09 01 17 249.1	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 09 01 18 139.6	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 09 01 20 239.0	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 09 02 20 248.6	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 09 03 16 136.1	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 09 04 17 101.9	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 09 06 16 123.1	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 09 10 17 98.2	X	X GLDL
ALICE ARM	0 13	55 26.90	129 30.61	81 09 11 20 100.1	X	X GLDL
ALICE ARM	0 16	55 26.90	129 31.14	81 09 06 18 242.9	X	X GLDL
ALICE ARM	0 16	55 26.90	129 31.14	81 09 08 16 152.2	X	X GLDL
ALICE ARM	0 18	55 26.90	129 31.49	81 09 08 16 165.0	X	X GLDL
ALICE ARM	0 19	55 26.90	129 31.66	81 07 23 16 236.7	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 06 24 20 128.0	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 06 27 20 211.3	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 06 30 17 209.1	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 07 01 18 149.2	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 07 02 16 212.0	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 07 03 16 213.8	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 07 04 16 208.1	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 07 06 16 163.0	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 07 07 17 158.7	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 07 10 17 133.6	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 07 11 18 114.9	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 07 13 15 208.0	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 07 14 17 134.9	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 07 15 16 128.1	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 07 16 16 155.6	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 07 20 16 104.3	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 07 23 16 139.7	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 07 24 17 104.2	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 07 30 16 119.2	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 07 31 16 103.6	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 08 04 18 138.9	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 08 06 18 172.2	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 08 07 18 104.6	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 08 08 19 228.8	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 08 11 20 98.3	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 08 17 21 248.2	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 08 21 18 100.1	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 08 24 19 237.8	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 08 28 18 239.1	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 09 06 18 55.0	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 09 08 17 146.0	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 09 10 18 248.6	X	X GLDL
ALICE ARM	0 20	55 26.90	129 31.84	81 09 10 18 248.6	X	X GLDL
ALICE ARM	0 23	55 26.90	129 32.37	81 09 08 18 263.9	X	X GLDL
ALICE ARM	0 41	55 26.90	129 35.54	81 07 27 16 265.8	X	X GLDL
ALICE ARM	0 41	55 26.90	129 35.54	81 08 06 16 267.6	X	X GLDL
ALICE ARM	0 41	55 26.90	129 35.54	81 08 08 16 274.0	X	X GLDL
ALICE ARM	0 41	55 26.90	129 35.54	81 08 15 22 268.6	X	X GLDL
ALICE ARM	0 41	55 26.90	129 35.54	81 09 11 16 356.6	X	X GLDL
ALICE ARM	0 41	55 26.90	129 35.54	81 09 11 16 356.6	X	X GLDL
ALICE ARM	OB	55 19.08	129 46.70	81 06 28 17 96.1	X	X GLDL
ALICE ARM	OB 1	54 59.60	130 2.35	81 09 12 19 346.2	X	X GLDL
ALICE ARM	OB2B	55 6.75	129 57.25	81 09 12 18 322.8	X	X GLDL
ALICE ARM	OB3B	55 12.00	129 52.40	81 09 12 17 208.0	X	X GLDL
ALICE ARM	P 12	55 26.80	129 30.43	81 06 24 23 176.1	X	X GLDL
ALICE ARM	P 12	55 26.80	129 30.43	81 06 25 00 148.0	X	X GLDL
ALICE ARM	P 12	55 26.80	129 30.43	81 06 25 20 132.3	X	X GLDL
ALICE ARM	P 12	55 26.80	129 30.43	81 06 27 22 210.8	X	X GLDL
ALICE ARM	P 12	55 26.80	129 30.43	81 06 28 23 209.8	X	X GLDL
ALICE ARM	P 12	55 26.80	129 30.43	81 06 29 18 184.2	X	X GLDL
ALICE ARM	P 12	55 26.80	129 30.43	81 06 30 18 169.0	X	X GLDL
ALICE ARM	P 12	55 26.80	129 30.43	81 07 01 19 174.0	X	X GLDL
ALICE ARM	P 12	55 26.80	129 30.43	81 07 02 17 170.7	X	X GLDL
ALICE ARM	P 12	55 26.80	129 30.43	81 07 03 17 158.1	X	X GLDL
ALICE ARM	P 12	55 26.80	129 30.43	81 07 04 17 208.9	X	X GLDL

ALICE ARM	P 12	55 26.80 129 30.43	81 07 05 22 189.0	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 06 20 193.0	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 07 18 184.7	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 08 22 148.8	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 11 20 145.0	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 12 19 192.7	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 13 16 131.8	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 14 17 164.6	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 15 17 162.7	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 16 17 157.5	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 18 15 190.6	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 18 16 188.2	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 18 17 190.1	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 18 18 189.6	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 18 18 189.9	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 18 20 73.6	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 18 21 149.0	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 20 16 73.9	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 23 16 190.1	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 24 16 74.8	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 25 15 81.7	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 25 16 103.7	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 25 16 103.0	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 25 18 189.5	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 25 19 108.1	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 29 17 188.5	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 30 17 156.1	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 07 31 18 187.5	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 01 15 187.7	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 01 16 186.3	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 01 16 186.7	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 01 17 188.2	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 01 18 188.2	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 01 19 188.2	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 04 17 188.3	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 06 21 184.6	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 09 16 159.9	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 10 15 90.0	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 11 20 90.8	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 12 14 90.6	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 13 18 175.7	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 14 18 185.2	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 15 15 77.5	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 16 02 184.0	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 17 17 141.8	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 18 23 98.9	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 19 20 168.9	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 20 16 138.9	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 21 17 95.7	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 24 18 177.9	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 27 17 184.0	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 28 17 182.9	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 29 16 172.0	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 29 16 138.1	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 08 30 15 90.6	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 09 03 16 170.8	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 09 04 17 184.1	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 09 04 17 297.0	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 09 06 17 207.0	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 09 10 17 188.8	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	81 09 11 21 175.0	X	X GLDL
ALICE ARM	P 15	55 26.80 129 30.96	81 09 06 18 240.9	X	X GLDL
ALICE ARM	P 20	55 26.80 129 31.84	81 07 23 16 109.7	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 06 24 19 153.8	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 06 26 18 202.3	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 06 27 19 175.9	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 06 28 21 192.6	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 06 29 17 66.2	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 06 30 17 99.8	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 07 01 16 124.9	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 07 02 15 137.7	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 07 03 15 82.9	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 07 04 15 90.7	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 07 06 15 81.0	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 07 07 16 208.7	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 07 08 17 208.1	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 07 10 16 85.5	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 07 11 18 208.8	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 07 12 17 208.2	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 07 14 16 77.8	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 07 15 15 207.7	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 07 20 17 109.7	X	X GLDL
ALICE ARM	P 25	55 26.80 129 32.72	81 07 27 18 144.0	X	X GLDL

ALICE ARM	P 25	55 26.80	129 32.72	81 07 29 16 209.6	X	X GLDL
ALICE ARM	P 25	55 26.80	129 32.72	81 07 30 16 173.3	X	X GLDL
ALICE ARM	P 25	55 26.80	129 32.72	81 08 06 17 124.9	X	X GLDL
ALICE ARM	P 25	55 26.80	129 32.72	81 08 07 20 248.8	X	X GLDL
ALICE ARM	P 25	55 26.80	129 32.72	81 08 11 21 238.0	X	X GLDL
ALICE ARM	P 25	55 26.80	129 32.72	81 08 14 21 144.7	X	X GLDL
ALICE ARM	P 25	55 26.80	129 32.72	81 08 20 21 160.9	X	X GLDL
ALICE ARM	P 25	55 26.80	129 32.72	81 08 27 16 145.2	X	X GLDL
ALICE ARM	P 25	55 26.80	129 32.72	81 08 30 16 238.5	X	X GLDL
ALICE ARM	P 25	55 26.80	129 32.72	81 08 30 19 337.0	X	X GLDL
ALICE ARM	P 25	55 26.80	129 32.72	81 08 30 20 277.2	X	X GLDL
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ALICE ARM	P 25	55 26.80	129 32.72	81 09 04 18 252.8	X	X GLDL
ALICE ARM	P 25	55 26.80	129 32.72	81 09 04 18 252.8	X	X GLDL
ALICE ARM	P 25	55 26.80	129 32.72	81 09 11 18 208.5	X	X GLDL
ALICE ARM	P 33	55 26.80	129 34.13	81 06 24 17 201.1	X	X GLDL
ALICE ARM	P 33	55 26.80	129 34.13	81 06 26 16 201.8	X	X GLDL
ALICE ARM	P 33	55 26.80	129 34.13	81 06 27 18 210.6	X	X GLDL
ALICE ARM	P 33	55 26.80	129 34.13	81 07 01 15 100.6	X	X GLDL
ALICE ARM	P 33	55 26.80	129 34.13	81 07 06 18 199.0	X	X GLDL
ALICE ARM	P 33	55 26.80	129 34.13	81 07 08 16 129.6	X	X GLDL
ALICE ARM	P 33	55 26.80	129 34.13	81 07 20 18 122.1	X	X GLDL
ALICE ARM	P 33	55 26.80	129 34.13	81 07 27 17 267.6	X	X GLDL
ALICE ARM	P 33	55 26.80	129 34.13	81 08 07 21 269.0	X	X GLDL
ALICE ARM	P 33	55 26.80	129 34.13	81 08 08 16 126.2	X	X GLDL
ALICE ARM	P 33	55 26.80	129 34.13	81 08 09 17 132.0	X	X GLDL
ALICE ARM	P 33	55 26.80	129 34.13	81 08 13 20 162.7	X	X GLDL
ALICE ARM	P 33	55 26.80	129 34.13	81 08 14 19 126.0	X	X GLDL
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ALICE ARM	P 33	55 26.80	129 34.13	81 08 30 18 208.8	X	X GLDL
ALICE ARM	P 33	55 26.80	129 34.13	81 09 02 18 298.0	X	X GLDL
ALICE ARM	P 33	55 26.80	129 34.13	81 09 04 20 209.7	X	X GLDL
ALICE ARM	PI 2	54 49.00	130 15.00	81 09 12 21 178.7	X	X GLDL
ALICE ARM	Q 11	55 26.70	129 30.26	81 09 06 17 186.9	X	X GLDL
ALICE ARM	Q 13	55 26.70	129 30.61	81 09 06 17 117.0	X	X GLDL
ALICE ARM	Q 14	55 26.70	129 30.78	81 09 06 17 139.0	X	X GLDL
ALICE ARM	Q 16	55 26.70	129 31.14	81 08 02 18 228.2	X	X GLDL
ALICE ARM	Q 16	55 26.70	129 31.14	81 08 03 19 144.8	X	X GLDL
ALICE ARM	Q 16	55 26.70	129 31.14	81 08 06 20 157.7	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 06 24 20 92.6	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 06 26 18 201.5	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 06 27 20 103.0	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 06 28 21 210.0	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 06 29 18 210.0	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 06 30 17 100.0	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 01 18 169.1	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 02 17 101.8	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 03 17 102.7	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 04 16 90.2	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 06 16 199.2	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 07 16 149.7	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 08 20 159.0	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 08 20 99.9	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 10 18 208.5	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 11 19 134.6	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 12 18 208.2	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 15 16 113.1	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 16 17 113.8	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 17 18 95.0	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 19 15 188.8	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 19 17 136.7	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 19 18 190.2	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 19 20 184.9	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 21 17 188.7	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 22 21 51.0	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 22 21 217.2	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 22 21 83.7	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 22 22 84.8	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 24 18 108.9	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 26 16 190.1	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 26 17 189.5	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 26 18 188.5	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 26 20 187.7	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 29 15 188.6	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 30 16 108.7	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 07 31 17 109.9	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 08 02 15 267.0	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 08 02 17 105.5	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 08 02 18 134.9	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 08 04 18 109.7	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 08 06 18 108.7	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 08 07 18 105.0	X	X GLDL
ALICE ARM	Q 19	55 26.70	129 31.66	81 08 08 19 152.0	X	X GLDL

ALICE ARM	Q 19	55 26.70 129 31.66	81 08 10 15 96.1	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 08 11 20 100.2	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 08 13 19 127.8	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 08 14 18 137.3	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 08 15 17 100.7	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 08 17 20 156.7	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 08 19 22 94.7	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 08 20 17 100.2	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 08 21 18 105.3	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 08 23 18 297.0	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 08 24 18 149.5	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 08 25 17 148.1	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 08 27 17 293.0	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 08 28 18 149.6	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 08 30 16 93.2	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 09 01 16 184.8	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 09 01 16 277.0	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 09 01 17 238.6	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 09 01 18 185.2	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 09 01 18 249.0	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 09 01 20 241.0	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 09 02 19 262.6	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 09 04 18 136.2	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 09 04 18 136.2	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 09 05 19 165.0	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 09 08 17 108.0	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 09 09 15 108.0	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 09 10 18 160.1	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 09 10 18 160.1	X	X GLDL
ALICE ARM	Q 19	55 26.70 129 31.66	81 09 11 20 181.7	X	X GLDL
ALICE ARM	R 18	55 26.60 129 31.49	81 07 23 17 227.9	X	X GLDL
ALICE ARM	R 25	55 26.60 129 32.72	81 07 27 18 266.1	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 06 24 18 152.2	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 06 26 17 127.8	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 06 27 18 211.5	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 07 01 17 208.8	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 07 02 16 213.8	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 07 03 16 213.8	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 07 04 15 208.2	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 07 06 15 207.9	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 07 07 15 98.8	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 07 08 18 207.9	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 07 11 17 209.1	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 07 13 15 115.2	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 07 15 15 140.6	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 07 20 17 295.6	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 07 26 16 221.7	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 08 02 15 98.8	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 08 06 18 268.1	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 08 07 19 159.0	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 08 08 18 115.9	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 08 11 21 154.0	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 08 13 20 234.6	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 08 15 20 110.2	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 08 30 17 279.4	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 09 02 19 298.2	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 09 04 18 297.0	X	X GLDL
ALICE ARM	R 26	55 26.60 129 32.90	81 09 11 18 248.7	X	X GLDL
ALICE ARM	R 34	55 26.60 129 34.30	81 06 25 17 97.0	X	X GLDL
ALICE ARM	R 34	55 26.60 129 34.30	81 06 26 17 81.9	X	X GLDL
ALICE ARM	R 34	55 26.60 129 34.30	81 07 06 18 208.8	X	X GLDL
ALICE ARM	R 34	55 26.60 129 34.30	81 07 08 15 107.0	X	X GLDL
ALICE ARM	R 34	55 26.60 129 34.30	81 07 09 17 129.9	X	X GLDL
ALICE ARM	R 34	55 26.60 129 34.30	81 07 14 16 107.9	X	X GLDL
ALICE ARM	R 34	55 26.60 129 34.30	81 07 20 18 158.3	X	X GLDL
ALICE ARM	R 34	55 26.60 129 34.30	81 07 27 17 266.8	X	X GLDL
ALICE ARM	R 34	55 26.60 129 34.30	81 08 07 21 269.1	X	X GLDL
ALICE ARM	R 34	55 26.60 129 34.30	81 08 08 16 261.0	X	X GLDL
ALICE ARM	R 34	55 26.60 129 34.30	81 08 09 17 269.0	X	X GLDL
ALICE ARM	R 34	55 26.60 129 34.30	81 08 14 18 250.1	X	X GLDL
ALICE ARM	R 34	55 26.60 129 34.30	81 08 27 15 90.0	X	X GLDL
ALICE ARM	R 34	55 26.60 129 34.30	81 09 04 20 346.2	X	X GLDL
ALICE ARM	R 61	55 26.60 129 39.06	81 08 16 16 268.6	X	X GLDL
ALICE ARM	RED1	55 31.58 129 46.50	81 09 07 17 34.7	X	X GLDL
ALICE ARM	S 18	55 26.50 129 31.49	81 06 24 21 202.0	X	X GLDL
ALICE ARM	S 18	55 26.50 129 31.49	81 06 25 19 97.1	X	X GLDL
ALICE ARM	S 18	55 26.50 129 31.49	81 06 27 21 153.3	X	X GLDL
ALICE ARM	S 18	55 26.50 129 31.49	81 06 30 18 149.7	X	X GLDL
ALICE ARM	S 18	55 26.50 129 31.49	81 07 01 17 124.7	X	X GLDL
ALICE ARM	S 18	55 26.50 129 31.49	81 07 02 17 149.0	X	X GLDL
ALICE ARM	S 18	55 26.50 129 31.49	81 07 04 17 208.0	X	X GLDL
ALICE ARM	S 18	55 26.50 129 31.49	81 07 06 16 208.7	X	X GLDL
ALICE ARM	S 18	55 26.50 129 31.49	81 07 07 16 207.5	X	X GLDL

ALICE ARM	S 18	55 26.50	129 31.49	81 07 08 18 345.7	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 07 08 19 130.6	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 07 10 18 96.5	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 07 11 19 163.9	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 07 14 17 207.9	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 07 15 17 163.5	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 07 16 17 153.0	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 07 17 18 199.2	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 07 23 17 251.7	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 07 30 17 218.3	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 07 31 17 217.7	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 08 04 18 250.9	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 08 06 19 247.2	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 08 07 18 230.1	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 08 08 18 160.1	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 08 11 21 208.9	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 08 17 20 100.5	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 08 21 19 239.6	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 08 24 18 149.2	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 08 28 18 135.3	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 09 06 19 275.9	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 09 08 18 152.0	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 09 10 18 48.9	X	X GLDL
ALICE ARM	S 18	55 26.50	129 31.49	81 09 10 18 139.2	X	X GLDL
ALICE ARM	S101	55 25.30	129 40.28	81 09 05 15 119.9	X	X GLDL
ALICE ARM	S102	55 25.30	129 40.28	81 09 05 16 27.7	X	X GLDL
ALICE ARM	S103	55 25.30	129 40.28	81 09 05 16 26.8	X	X GLDL
ALICE ARM	S106	55 25.30	129 40.28	81 09 05 17 26.0	X	X GLDL
ALICE ARM	S107	55 25.30	129 40.28	81 09 05 17 26.0	X	X GLDL
ALICE ARM	S108	55 25.30	129 40.28	81 09 05 17 26.7	X	X GLDL
ALICE ARM	S109	55 25.30	129 40.28	81 09 05 17 26.7	X	X GLDL
ALICE ARM	S110	55 25.30	129 40.28	81 09 05 18 27.1	X	X GLDL
ALICE ARM	S111	55 25.30	129 40.28	81 09 05 18 27.0	X	X GLDL
ALICE ARM	S112	55 25.30	129 40.28	81 09 05 18 27.0	X	X GLDL
ALICE ARM	S114	55 25.30	129 40.28	81 09 05 18 27.0	X	X GLDL
ALICE ARM	S115	55 25.30	129 40.28	81 09 05 19 27.0	X	X GLDL
ALICE ARM	S118	55 25.30	129 40.28	81 09 05 19 27.0	X	X GLDL
ALICE ARM	S119	55 25.30	129 40.28	81 09 05 20 27.1	X	X GLDL
ALICE ARM	S120	55 25.30	129 40.28	81 09 05 20 27.1	X	X GLDL
ALICE ARM	S123	55 25.30	129 40.28	81 09 05 21 17.5	X	X GLDL
ALICE ARM	S124	55 25.30	129 40.28	81 09 05 21 26.9	X	X GLDL
ALICE ARM	S125	55 25.30	129 40.28	81 09 05 21 25.8	X	X GLDL
ALICE ARM	S126	55 25.30	129 40.28	81 09 05 21 25.9	X	X GLDL
ALICE ARM	S127	55 25.30	129 40.28	81 09 05 22 26.0	X	X GLDL
ALICE ARM	T 18	55 26.40	129 31.49	81 07 23 17 158.0	X	X GLDL
ALICE ARM	T 27	55 26.40	129 33.07	81 06 24 18 201.1	X	X GLDL
ALICE ARM	T 27	55 26.40	129 33.07	81 06 26 17 133.3	X	X GLDL
ALICE ARM	T 27	55 26.40	129 33.07	81 07 01 17 208.8	X	X GLDL
ALICE ARM	T 27	55 26.40	129 33.07	81 07 06 18 199.3	X	X GLDL
ALICE ARM	T 27	55 26.40	129 33.07	81 07 08 18 188.6	X	X GLDL
ALICE ARM	T 27	55 26.40	129 33.07	81 07 10 16 95.6	X	X GLDL
ALICE ARM	T 27	55 26.40	129 33.07	81 07 15 15 108.1	X	X GLDL
ALICE ARM	T 27	55 26.40	129 33.07	81 07 20 17 268.0	X	X GLDL
ALICE ARM	T 27	55 26.40	129 33.07	81 07 27 18 268.1	X	X GLDL
ALICE ARM	T 27	55 26.40	129 33.07	81 07 30 15 105.1	X	X GLDL
ALICE ARM	T 27	55 26.40	129 33.07	81 08 06 18 267.9	X	X GLDL
ALICE ARM	T 27	55 26.40	129 33.07	81 08 07 19 230.2	X	X GLDL
ALICE ARM	T 27	55 26.40	129 33.07	81 08 08 18 249.8	X	X GLDL
ALICE ARM	T 27	55 26.40	129 33.07	81 08 11 21 130.2	X	X GLDL
ALICE ARM	T 27	55 26.40	129 33.07	81 09 11 19 125.1	X	X GLDL
ALICE ARM	U 67	55 26.30	129 40.11	81 06 28 20 200.0	X	X GLDL
ALICE ARM	U 67	55 26.30	129 40.11	81 07 05 14 198.2	X	X GLDL
ALICE ARM	U 67	55 26.30	129 40.11	81 07 12 15 109.2	X	X GLDL
ALICE ARM	U 67	55 26.30	129 40.11	81 07 21 21 79.1	X	X GLDL
ALICE ARM	U 67	55 26.30	129 40.11	81 07 28 16 190.1	X	X GLDL
ALICE ARM	U 67	55 26.30	129 40.11	81 08 03 17 185.2	X	X GLDL
ALICE ARM	U 67	55 26.30	129 40.11	81 08 05 16 101.0	X	X GLDL
ALICE ARM	U 67	55 26.30	129 40.11	81 08 09 18 131.0	X	X GLDL
ALICE ARM	U 67	55 26.30	129 40.11	81 08 16 16 262.6	X	X GLDL
ALICE ARM	U 67	55 26.30	129 40.11	81 08 18 20 209.3	X	X GLDL
ALICE ARM	U 67	55 26.30	129 40.11	81 08 31 15 238.0	X	X GLDL
ALICE ARM	V 66	55 26.20	129 39.94	81 06 28 20 161.1	X	X GLDL
ALICE ARM	V 66	55 26.20	129 39.94	81 07 05 14 85.5	X	X GLDL
ALICE ARM	V 66	55 26.20	129 39.94	81 07 12 16 208.7	X	X GLDL
ALICE ARM	V 66	55 26.20	129 39.94	81 07 28 16 213.7	X	X GLDL
ALICE ARM	V 66	55 26.20	129 39.94	81 08 03 18 215.9	X	X GLDL
ALICE ARM	V 66	55 26.20	129 39.94	81 08 10 17 139.9	X	X GLDL
ALICE ARM	V 66	55 26.20	129 39.94	81 08 12 16 268.2	X	X GLDL
ALICE ARM	V 66	55 26.20	129 39.94	81 08 16 16 215.0	X	X GLDL
ALICE ARM	V 66	55 26.20	129 39.94	81 08 18 20 208.9	X	X GLDL
ALICE ARM	V 66	55 26.20	129 39.94	81 08 23 16 79.7	X	X GLDL
ALICE ARM	V 66	55 26.20	129 39.94	81 08 25 15 104.5	X	X GLDL
ALICE ARM	V 66	55 26.20	129 39.94	81 08 26 21 249.1	X	X GLDL

ALICE ARM	V 66	55 26.20	129 39.94	81 08 31 15	209.3	X	X GLDL
ALICE ARM	V 66	55 26.20	129 39.94	81 09 02 16	199.9	X	X GLDL
ALICE ARM	V 66	55 26.20	129 39.94	81 09 12 14	99.8	X	X GLDL
ALICE ARM	W 65	55 26.10	129 39.76	81 06 28 19	160.9	X	X GLDL
ALICE ARM	W 65	55 26.10	129 39.76	81 07 05 14	95.8	X	X GLDL
ALICE ARM	W 65	55 26.10	129 39.76	81 07 12 16	208.7	X	X GLDL
ALICE ARM	W 65	55 26.10	129 39.76	81 07 28 16	194.6	X	X GLDL
ALICE ARM	W 65	55 26.10	129 39.76	81 08 03 18	188.9	X	X GLDL
ALICE ARM	W 65	55 26.10	129 39.76	81 08 09 18	199.9	X	X GLDL
ALICE ARM	W 65	55 26.10	129 39.76	81 08 16 17	204.6	X	X GLDL
ALICE ARM	W 65	55 26.10	129 39.76	81 08 18 21	201.0	X	X GLDL
ALICE ARM	W 65	55 26.10	129 39.76	81 08 31 16	198.9	X	X GLDL
ALICE ARM	XX	55 19.08	129 46.70	81 07 05 16	148.9	X	X GLDL
ALICE ARM	XX	55 19.08	129 46.70	81 08 05 19	180.6	X	X GLDL
ALICE ARM	XX	55 19.08	129 46.70	81 08 10 19	174.2	X	X GLDL
ALICE ARM	XX	55 19.08	129 46.70	81 08 12 17	170.3	X	X GLDL
ALICE ARM	XX	55 19.08	129 46.70	81 08 16 19	188.5	X	X GLDL
ALICE ARM	Y 67	55 25.90	129 40.11	81 09 09 16	274.7	X	X GLDL
ALICE ARM	YY	55 25.07	129 43.07	81 07 05 15	207.8	X	X GLDL
ALICE ARM	YY	55 25.07	129 43.07	81 07 21 19	226.9	X	X GLDL
ALICE ARM	YY	55 25.07	129 43.07	81 07 28 17	79.0	X	X GLDL
ALICE ARM	YY	55 25.07	129 43.07	81 08 05 17	82.8	X	X GLDL
ALICE ARM	YY	55 25.07	129 43.07	81 08 16 18	70.3	X	X GLDL
ALICE ARM	YY	55 25.07	129 43.07	81 08 18 17	268.3	X	X GLDL
ALICE ARM	YY	55 25.07	129 43.07	81 08 31 22	79.7	X	X GLDL
ALICE ARM	YY	55 25.07	129 43.07	81 09 12 15	247.0	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 81-0057
YEAR:1981 VESSEL/AGENCY: AMAX,DOBROCKY

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						
ALICE ARM	17.5	55 26.00	129 40.05	81 4 11 21	208.5	X	X GLDL			
ALICE ARM	AA	55 27.90	129 29.25	81 4 12 3	88.5	X	X GLDL			
ALICE ARM	CC	55 26.69	129 31.80	81 4 12 0	195.3	X	X GLDL			
ALICE ARM	EE	55 27.15	129 37.05	81 4 11 22	324.4	X	X GLDL			
ALICE ARM	HH	55 24.75	129 40.75	81 4 11 19	65.4	X	X GLDL			
ALICE ARM	OI-1	55 21.80	129 45.37	81 4 11 18	174.9	X	X GLDL			

BOTTLE/CTD DATA SET NUMBER: 81-0058
YEAR:1981 VESSEL/AGENCY: AMAX,DOBROCKY

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						
ALICE ARM	17.5	55 26.00	129 40.05	81 7 28 23	197.3	X	X GLDL			
ALICE ARM	AA	55 27.90	129 29.25	81 7 29 3	91.8	X	X GLDL			
ALICE ARM	CC	55 26.69	129 31.80	81 7 29 2	252.6	X	X GLDL			
ALICE ARM	EE	55 27.15	129 37.05	81 7 29 0	367.5	X	X GLDL			
ALICE ARM	HH	55 24.75	129 40.75	81 7 28 22	74.8	X	X GLDL			
ALICE ARM	OI-1	55 21.80	129 45.37	81 7 28 21	187.3	X	X GLDL			

BOTTLE/CTD DATA SET NUMBER: 81-0059
YEAR:1981 VESSEL/AGENCY: AMAX,DOBROCKY

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM	INSTR	INT	NO
				DEG	MIN	DEG	MIN						
								(M)	(M)	C	S	T	

ALICE ARM	17.5	55 26.00	129 40.05	81	9	24	19	232.9	X	X	GLDL		
ALICE ARM	AA	55 27.90	129 29.25	81	9	24	22	92.8	X	X	GLDL		
ALICE ARM	CC	55 26.69	129 31.80	81	9	24	21	232.7	X	X	GLDL		
ALICE ARM	EE	55 27.15	129 37.05	81	9	24	20	348.8	X	X	GLDL		
ALICE ARM	HH	55 24.75	129 40.75	81	9	24	18	77.7	X	X	GLDL		
ALICE ARM	OI-1	55 21.80	129 45.37	81	9	24	17	186.7	X	X	GLDL		

BOTTLE/CTD DATA SET NUMBER: 81-0060
YEAR:1981 VESSEL/AGENCY: AMAX,DOBROCKY

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM	INSTR	INT	NO
				DEG	MIN	DEG	MIN						
								(M)	(M)	C	S	T	

ALICE ARM	17.5	55 26.00	129 40.05	81	11	21	23	162.4	X	X	GLDL		
ALICE ARM	AA	55 27.90	129 29.25	81	11	22	5	96.1	X	X	GLDL		
ALICE ARM	CC	55 26.69	129 31.80	81	11	22	3	257.2	X	X	GLDL		
ALICE ARM	EE	55 27.15	129 37.05	81	11	22	0	347.4	X	X	GLDL		
ALICE ARM	HH	55 24.75	129 40.75	81	11	21	21	77.1	X	X	GLDL		
ALICE ARM	OI-1	55 21.80	129 45.37	81	11	21	19	191.3	X	X	GLDL		

BOTTLE/CTD DATA SET NUMBER: 81-0061
YEAR:1981 VESSEL/AGENCY: AMAX,DOBROCKY

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM	INSTR	INT	NO
				DEG	MIN	DEG	MIN						
								(M)	(M)	C	S	T	

ALICE ARM	17.5	55 26.00	129 40.05	81	5	23	22	186.5	X	X	GLDL		
ALICE ARM	AA	55 27.90	129 29.25	81	5	24	3	96.2	X	X	GLDL		
ALICE ARM	CC	55 26.69	129 31.80	81	5	24	2	221.6	X	X	GLDL		
ALICE ARM	EE	55 27.15	129 37.05	81	5	23	23	357.3	X	X	GLDL		
ALICE ARM	HH	55 24.75	129 40.75	81	5	23	21	76.6	X	X	GLDL		
ALICE ARM	OI-1	55 21.80	129 45.37	81	5	23	19	176.4	X	X	GLDL		

BOTTLE/CTD DATA SET NUMBER: 81-0062
YEAR:1981 VESSEL/AGENCY: AMAX,DOBROCKY

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM	INSTR	INT	NO
				DEG	MIN	DEG	MIN						
								(M)	(M)	C	S	T	

ALICE ARM	17.5	55 26.00	129 40.05	81	6	28	20	207.4	X	X	GLDL		
ALICE ARM	AA	55 27.90	129 29.25	81	6	28	16	92.2	X	X	GLDL		
ALICE ARM	CC	55 26.69	129 31.80	81	6	28	18	252.5	X	X	GLDL		
ALICE ARM	EE	55 27.15	129 37.05	81	6	28	19	338.1	X	X	GLDL		
ALICE ARM	HH	55 24.75	129 40.75	81	6	28	21	72.9	X	X	GLDL		
ALICE ARM	OI-1	55 21.80	129 45.37	81	6	28	22	182.5	X	X	GLDL		

BOTTLE/CTD DATA SET NUMBER: 81-0063
YEAR:1981 VESSEL/AGENCY: AMAX,DOBROCKY

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						
ALICE ARM	17.5	55 26.00	129 40.05	81 8 27 19	207.0		X	X	GLDL	
ALICE ARM	AA	55 27.90	129 29.25	81 8 27 23	92.9		X	X	GLDL	
ALICE ARM	CC	55 26.69	129 31.80	81 8 27	22.252.4		X	X	GLDL	
ALICE ARM	EE	55 27.15	129 37.05	81 8 27 21	372.8		X	X	GLDL	
ALICE ARM	HH	55 24.75	129 40.75	81 8 27 19	77.2		X	X	GLDL	
ALICE ARM	OI-1	55 21.80	129 45.37	81 8 27 17	191.8		X	X	GLDL	

BOTTLE/CTD DATA SET NUMBER: 81-0064
YEAR:1981 VESSEL/AGENCY: AMAX,DOBROCKY

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						
ALICE ARM	17.5	55 26.00	129 40.05	81 10 27 20	197.8		X	X	GLDL	
ALICE ARM	AA	55 27.90	129 29.25	81 10 27 16	95.8		X	X	GLDL	
ALICE ARM	CC	55 26.69	129 31.80	81 10 27 17	241.6		X	X	GLDL	
ALICE ARM	EE	55 27.15	129 37.05	81 10 27 19	372.1		X	X	GLDL	
ALICE ARM	HH	55 24.75	129 40.75	81 10 27 20	82.7		X	X	GLDL	
ALICE ARM	OI-1	55 21.80	129 45.37	81 10 27 22	203.1		X	X	GLDL	

BOTTLE/CTD DATA SET NUMBER: 81-0065
YEAR:1981 VESSEL/AGENCY: AMAX,DOBROCKY

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						
ALICE ARM	17.5	55 26.00	129 40.05	81 12 19 22	191.7		X	X	GLDL	
ALICE ARM	AA	55 27.90	129 29.25	81 12 20 3	87.6		X	X	GLDL	
ALICE ARM	CC	55 26.69	129 31.80	81 12 20 1	217.8		X	X	GLDL	
ALICE ARM	EE	55 27.15	129 37.05	81 12 19 23	348.5		X	X	GLDL	
ALICE ARM	HH	55 24.75	129 40.75	81 12 19 21	72.6		X	X	GLDL	
ALICE ARM	OI-1	55 21.80	129 45.37	81 12 19 20	178.1		X	X	GLDL	

BOTTLE/CTD DATA SET NUMBER: 81-0066
YEAR:1981 VESSEL/AGENCY: EPS

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						
ALICE ARM	20	55 19.15	129 46.60	81 5 21 23	186.7		X	X	PLES	
ALICE ARM	D- 3	55 28.00	129 28.85	81 5 31 3	94.7		X	X	PLES	
ALICE ARM	D- 4	55 28.00	129 29.02	81 5 27 8	99.6		X	X	PLES	
ALICE ARM	E- 3	55 27.90	129 28.85	81 5 27 3	92.9		X	X	PLES	
ALICE ARM	E- 5	55 27.90	129 29.20	81 5 31 4	98.1		X	X	PLES	
ALICE ARM	E- 7	55 27.90	129 29.55	81 5 31 4	74.3		X	X	PLES	
ALICE ARM	E- 7	55 27.90	129 29.55	81 6 2 5	96.9		X	X	PLES	
ALICE ARM	E- 7	55 27.90	129 29.55	81 6 6 10	99.0		X	X	PLES	

ALICE ARM	E- 7	55 27.90 129 29.55	81 6 7 22 100.5	X X PLES
ALICE ARM	F- 6	55 27.80 129 29.38	81 5 27 18 104.2	X X PLES
ALICE ARM	F- 6	55 27.80 129 29.38	81 6 2 4 94.9	X X PLES
ALICE ARM	F- 6	55 27.80 129 29.38	81 6 6 10 94.2	X X PLES
ALICE ARM	F- 6	55 27.80 129 29.38	81 6 7 22 95.7	X X PLES
ALICE ARM	G- 5	55 27.70 129 29.20	81 5 27 4 98.2	X X PLES
ALICE ARM	G- 5	55 27.70 129 29.20	81 5 31 2 75.0	X X PLES
ALICE ARM	G- 5	55 27.70 129 29.20	81 6 2 4 78.4	X X PLES
ALICE ARM	G- 5	55 27.70 129 29.20	81 6 6 10 86.1	X X PLES
ALICE ARM	G- 5	55 27.70 129 29.20	81 6 7 22 92.1	X X PLES
ALICE ARM	G- 5	55 27.70 129 29.20	81 6 8 16 106.4	X X PLES
ALICE ARM	G- 5	55 27.70 129 29.20	81 6 9 16 96.3	X X PLES
ALICE ARM	G- 5	55 27.70 129 29.20	81 6 10 16 97.4	X X PLES
ALICE ARM	G- 5	55 27.70 129 29.20	81 6 12 17 95.4	X X PLES
ALICE ARM	G- 5	55 27.70 129 29.20	81 6 13 16 100.3	X X PLES
ALICE ARM	G- 5	55 27.70 129 29.20	81 6 15 0 86.7	X X PLES
ALICE ARM	G- 5	55 27.70 129 29.20	81 6 15 16 93.4	X X PLES
ALICE ARM	G- 5	55 27.70 129 29.20	81 6 16 23 88.4	X X PLES
ALICE ARM	G- 5	55 27.70 129 29.20	81 6 17 16 83.2	X X PLES
ALICE ARM	G- 5	55 27.70 129 29.20	81 6 19 16 89.7	X X PLES
ALICE ARM	G- 5	55 27.70 129 29.20	81 6 20 16 97.7	X X PLES
ALICE ARM	H- 1		81 6 1 23 274.3	X X PLES
ALICE ARM	H- 2		81 6 2 0 171.2	X X PLES
ALICE ARM	H- 7	55 27.60 129 29.55	81 6 7 21 99.5	X X PLES
ALICE ARM	H- 7	55 27.60 129 29.55	81 6 10 16 103.0	X X PLES
ALICE ARM	H- 7	55 27.60 129 29.55	81 6 13 17 102.7	X X PLES
ALICE ARM	H- 7	55 27.60 129 29.55	81 6 15 0 98.5	X X PLES
ALICE ARM	H- 7	55 27.60 129 29.55	81 6 15 16 106.5	X X PLES
ALICE ARM	H- 8	55 27.60 129 29.73	81 5 27 17 101.0	X X PLES
ALICE ARM	H- 8	55 27.60 129 29.73	81 5 31 5 109.1	X X PLES
ALICE ARM	I- 7	55 27.50 129 29.55	81 5 27 4 98.9	X X PLES
ALICE ARM	I- 7	55 27.50 129 29.55	81 5 31 1 105.5	X X PLES
ALICE ARM	I- 7	55 27.50 129 29.55	81 6 6 11 102.5	X X PLES
ALICE ARM	J- 6	55 27.40 129 29.38	81 5 24 8 51.5	X X PLES
ALICE ARM	J- 6	55 27.40 129 29.38	81 5 31 0 94.8	X X PLES
ALICE ARM	J- 8	55 27.40 129 29.73	81 6 6 10 82.8	X X PLES
ALICE ARM	K- 7	55 27.30 129 29.55	81 6 6 10 103.9	X X PLES
ALICE ARM	K- 7	55 27.30 129 29.55	81 6 7 21 104.1	X X PLES
ALICE ARM	K- 7	55 27.30 129 29.55	81 6 8 17 105.8	X X PLES
ALICE ARM	K- 7	55 27.30 129 29.55	81 6 9 16 106.3	X X PLES
ALICE ARM	K- 7	55 27.30 129 29.55	81 6 10 16 105.7	X X PLES
ALICE ARM	K- 7	55 27.30 129 29.55	81 6 13 17 109.9	X X PLES
ALICE ARM	K- 7	55 27.30 129 29.55	81 6 14 23 107.8	X X PLES
ALICE ARM	K- 7	55 27.30 129 29.55	81 6 17 17 108.4	X X PLES
ALICE ARM	K- 7	55 27.30 129 29.55	81 6 19 16 112.4	X X PLES
ALICE ARM	K- 7	55 27.30 129 29.55	81 6 20 16 109.5	X X PLES
ALICE ARM	K- 7	55 27.30 129 29.55	81 6 21 16 115.1	X X PLES
ALICE ARM	K-39	55 27.30 129 35.18	81 6 18 19 205.1	X X PLES
ALICE ARM	K-39	55 27.30 129 35.18	81 6 19 20 207.7	X X PLES
ALICE ARM	K-40	55 27.30 129 35.36	81 6 14 17 168.2	X X PLES
ALICE ARM	K-40	55 27.30 129 35.36	81 6 15 23 126.1	X X PLES
ALICE ARM	K-44	55 27.30 129 36.06	81 6 15 23 190.0	X X PLES
ALICE ARM	K-44	55 27.30 129 36.06	81 6 16 17 204.1	X X PLES
ALICE ARM	K-44	55 27.30 129 36.06	81 6 17 20 187.0	X X PLES
ALICE ARM	K-44	55 27.30 129 36.06	81 6 19 20 208.3	X X PLES
ALICE ARM	L- 6	55 27.20 129 29.38	81 5 24 8 75.0	X X PLES
ALICE ARM	L- 6	55 27.20 129 29.38	81 5 29 19 64.8	X X PLES
ALICE ARM	L- 6	55 27.20 129 29.38	81 6 6 9 84.8	X X PLES
ALICE ARM	L- 8	55 27.20 129 29.73	81 5 24 8 94.3	X X PLES
ALICE ARM	L- 8	55 27.20 129 29.73	81 5 26 8 90.5	X X PLES
ALICE ARM	L- 8	55 27.20 129 29.73	81 5 31 0 118.9	X X PLES
ALICE ARM	L- 8	55 27.20 129 29.73	81 6 6 11 86.0	X X PLES
ALICE ARM	L-10	55 27.20 129 30.08	81 6 2 3 126.8	X X PLES
ALICE ARM	L-10	55 27.20 129 30.08	81 6 6 7 165.1	X X PLES
ALICE ARM	L-10	55 27.20 129 30.08	81 6 7 17 113.8	X X PLES
ALICE ARM	L-10	55 27.20 129 30.08	81 6 8 18 137.2	X X PLES
ALICE ARM	L-10	55 27.20 129 30.08	81 6 10 17 186.8	X X PLES
ALICE ARM	L-10	55 27.20 129 30.08	81 6 13 17 104.0	X X PLES
ALICE ARM	L-10	55 27.20 129 30.08	81 6 14 23 130.8	X X PLES
ALICE ARM	L-10	55 27.20 129 30.08	81 6 17 17 89.5	X X PLES
ALICE ARM	L-10	55 27.20 129 30.08	81 6 19 17 86.8	X X PLES
ALICE ARM	L-10	55 27.20 129 30.08	81 6 20 17 108.6	X X PLES
ALICE ARM	L-10	55 27.20 129 30.08	81 6 21 17 129.2	X X PLES
ALICE ARM	L-30	55 27.20 129 33.60	81 6 11 22 178.5	X X PLES
ALICE ARM	L-30	55 27.20 129 33.60	81 6 13 21 117.7	X X PLES
ALICE ARM	L-31	55 27.20 129 33.78	81 6 18 22 183.1	X X PLES
ALICE ARM	L-31	55 27.20 129 33.78	81 6 19 20 194.7	X X PLES
ALICE ARM	L-31	55 27.20 129 33.78	81 6 21 20 159.6	X X PLES
ALICE ARM	L-36	55 27.20 129 34.66	81 6 16 18 192.0	X X PLES
ALICE ARM	M- 7	55 27.10 129 29.55	81 5 24 21 75.4	X X PLES
ALICE ARM	M- 7	55 27.10 129 29.55	81 5 29 18 67.7	X X PLES
ALICE ARM	M- 9	55 27.10 129 29.90	81 6 2 2 149.0	X X PLES
ALICE ARM	M- 9	55 27.10 129 29.90	81 6 6 6 141.8	X X PLES

ALICE ARM	M- 9	55 27.10 129 29.90	81 6 7 16 170.1	X X PLES
ALICE ARM	M- 9	55 27.10 129 29.90	81 6 8 17 131.5	X X PLES
ALICE ARM	M- 9	55 27.10 129 29.90	81 6 10 17 141.6	X X PLES
ALICE ARM	M- 9	55 27.10 129 29.90	81 6 13 17 126.2	X X PLES
ALICE ARM	M- 9	55 27.10 129 29.90	81 6 14 23 149.9	X X PLES
ALICE ARM	M- 9	55 27.10 129 29.90	81 6 17 17 121.8	X X PLES
ALICE ARM	M- 9	55 27.10 129 29.90	81 6 19 16 152.6	X X PLES
ALICE ARM	M- 9	55 27.10 129 29.90	81 6 20 16 155.6	X X PLES
ALICE ARM	M- 9	55 27.10 129 29.90	81 6 21 17 155.3	X X PLES
ALICE ARM	M-11	55 27.10 129 30.26	81 5 27 6 183.6	X X PLES
ALICE ARM	M-26	55 27.10 129 32.90	81 6 13 3 159.1	X X PLES
ALICE ARM	M-31	55 27.10 129 33.78	81 6 16 19 194.1	X X PLES
ALICE ARM	M-40	55 27.10 129 35.36	81 6 14 17 205.7	X X PLES
ALICE ARM	M-40	55 27.10 129 35.36	81 6 15 19 201.6	X X PLES
ALICE ARM	M-40	55 27.10 129 35.36	81 6 18 19 207.3	X X PLES
ALICE ARM	M-40	55 27.10 129 35.36	81 6 19 20 208.1	X X PLES
ALICE ARM	M-43	55 27.10 129 35.89	81 6 16 17 202.1	X X PLES
ALICE ARM	M-43	55 27.10 129 35.89	81 6 17 20 178.9	X X PLES
ALICE ARM	M-50	55 27.10 129 37.12	81 5 30 5 286.6	X X PLES
ALICE ARM	N- 7	55 27.00 129 29.55	81 6 2 2 84.8	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 5 23 18 107.0	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 5 28 10 85.9	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 5 29 18 78.1	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 5 30 21 91.5	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 5 31 7 116.6	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 5 31 20 102.7	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 6 2 5 103.8	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 6 6 6 117.9	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 6 6 21 85.8	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 6 7 16 91.2	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 6 8 17 111.1	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 6 9 17 131.0	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 6 10 17 111.5	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 6 11 18 100.1	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 6 12 17 112.3	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 6 13 17 90.3	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 6 14 23 93.0	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 6 15 17 110.9	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 6 17 17 107.6	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 6 19 16 97.0	X X PLES
ALICE ARM	N- 8	55 27.00 129 29.73	81 6 20 16 112.1	X X PLES
ALICE ARM	N-10	55 27.00 129 30.08	81 5 25 4 166.3	X X PLES
ALICE ARM	N-10	55 27.00 129 30.08	81 5 29 21 179.1	X X PLES
ALICE ARM	N-10	55 27.00 129 30.08	81 5 30 21 128.2	X X PLES
ALICE ARM	N-11	55 27.00 129 30.26	81 5 23 17 147.4	X X PLES
ALICE ARM	N-11	55 27.00 129 30.26	81 6 6 11 167.8	X X PLES
ALICE ARM	N-11	55 27.00 129 30.26	81 6 7 19 177.3	X X PLES
ALICE ARM	N-11	55 27.00 129 30.26	81 6 8 18 171.4	X X PLES
ALICE ARM	N-11	55 27.00 129 30.26	81 6 10 20 177.9	X X PLES
ALICE ARM	N-14	55 27.00 129 30.78	81 5 28 11 98.7	X X PLES
ALICE ARM	N-14	55 27.00 129 30.78	81 5 31 5 152.2	X X PLES
ALICE ARM	N-14	55 27.00 129 30.78	81 6 2 4 122.1	X X PLES
ALICE ARM	N-14	55 27.00 129 30.78	81 6 6 7 132.3	X X PLES
ALICE ARM	N-14	55 27.00 129 30.78	81 6 7 17 130.4	X X PLES
ALICE ARM	N-14	55 27.00 129 30.78	81 6 8 20 105.0	X X PLES
ALICE ARM	N-14	55 27.00 129 30.78	81 6 10 21 133.4	X X PLES
ALICE ARM	N-14	55 27.00 129 30.78	81 6 11 19 123.9	X X PLES
ALICE ARM	N-14	55 27.00 129 30.78	81 6 12 18 142.5	X X PLES
ALICE ARM	N-14	55 27.00 129 30.78	81 6 13 18 133.4	X X PLES
ALICE ARM	N-14	55 27.00 129 30.78	81 6 14 22 164.8	X X PLES
ALICE ARM	N-14	55 27.00 129 30.78	81 6 15 17 127.4	X X PLES
ALICE ARM	N-14	55 27.00 129 30.78	81 6 16 22 130.6	X X PLES
ALICE ARM	N-14	55 27.00 129 30.78	81 6 17 18 143.5	X X PLES
ALICE ARM	N-14	55 27.00 129 30.78	81 6 19 17 117.5	X X PLES
ALICE ARM	N-14	55 27.00 129 30.78	81 6 20 17 125.6	X X PLES
ALICE ARM	N-14	55 27.00 129 30.78	81 6 21 17 143.7	X X PLES
ALICE ARM	N-24	55 27.00 129 32.54	81 6 18 22 116.3	X X PLES
ALICE ARM	N-24	55 27.00 129 32.54	81 6 19 22 131.4	X X PLES
ALICE ARM	N-24	55 27.00 129 32.54	81 6 20 18 138.4	X X PLES
ALICE ARM	N-24	55 27.00 129 32.54	81 6 21 18 133.8	X X PLES
ALICE ARM	N-25	55 27.00 129 32.72	81 6 16 20 97.8	X X PLES
ALICE ARM	N-25	55 27.00 129 32.72	81 6 17 22 144.8	X X PLES
ALICE ARM	N-32	55 27.00 129 33.95	81 6 18 22 205.7	X X PLES
ALICE ARM	N-32	55 27.00 129 33.95	81 6 19 21 207.3	X X PLES
ALICE ARM	N-32	55 27.00 129 33.95	81 6 20 22 205.3	X X PLES
ALICE ARM	N-32	55 27.00 129 33.95	81 6 21 20 206.7	X X PLES
ALICE ARM	N-39	55 27.00 129 35.18	81 6 16 18 191.4	X X PLES
ALICE ARM	O-12	55 26.90 129 30.43	81 5 31 7 151.1	X X PLES
ALICE ARM	O-13	55 26.90 129 30.61	81 6 6 7 184.2	X X PLES
ALICE ARM	O-13	55 26.90 129 30.61	81 6 7 17 200.2	X X PLES
ALICE ARM	O-13	55 26.90 129 30.61	81 6 8 20 181.6	X X PLES
ALICE ARM	O-13	55 26.90 129 30.61	81 6 9 17 189.5	X X PLES
ALICE ARM	O-13	55 26.90 129 30.61	81 6 10 20 199.1	X X PLES

ALICE ARM	0-13	55 26.90	129 30.61	81 6 11 18	191.8	X	X PLES
ALICE ARM	0-13	55 26.90	129 30.61	81 6 12 18	206.1	X	X PLES
ALICE ARM	0-13	55 26.90	129 30.61	81 6 13 18	197.5	X	X PLES
ALICE ARM	0-13	55 26.90	129 30.61	81 6 14 22	202.6	X	X PLES
ALICE ARM	0-13	55 26.90	129 30.61	81 6 15 17	203.5	X	X PLES
ALICE ARM	0-13	55 26.90	129 30.61	81 6 17 18	200.4	X	X PLES
ALICE ARM	0-13	55 26.90	129 30.61	81 6 19 17	186.4	X	X PLES
ALICE ARM	0-13	55 26.90	129 30.61	81 6 20 17	188.4	X	X PLES
ALICE ARM	0-13	55 26.90	129 30.61	81 6 21 17	208.3	X	X PLES
ALICE ARM	0-16	55 26.90	129 31.14	81 6 21 0	147.1	X	X PLES
ALICE ARM	0-18	55 26.90	129 31.49	81 6 21 0	118.6	X	X PLES
ALICE ARM	0-20	55 26.90	129 31.84	81 6 6 9	94.2	X	X PLES
ALICE ARM	0-20	55 26.90	129 31.84	81 6 16 21	56.2	X	X PLES
ALICE ARM	0-20	55 26.90	129 31.84	81 6 17 19	121.2	X	X PLES
ALICE ARM	0-20	55 26.90	129 31.84	81 6 18 23	129.7	X	X PLES
ALICE ARM	0-20	55 26.90	129 31.84	81 6 19 22	151.4	X	X PLES
ALICE ARM	0-20	55 26.90	129 31.84	81 6 20 18	109.4	X	X PLES
ALICE ARM	0-20	55 26.90	129 31.84	81 6 20 23	127.3	X	X PLES
ALICE ARM	0-20	55 26.90	129 31.84	81 6 21 18	118.9	X	X PLES
ALICE ARM	0-21	55 26.90	129 32.02	81 6 11 21	150.2	X	X PLES
ALICE ARM	0-21	55 26.90	129 32.02	81 6 13 21	152.5	X	X PLES
ALICE ARM	0-22	55 26.90	129 32.19	81 6 20 23	158.2	X	X PLES
ALICE ARM	0-24	55 26.90	129 32.54	81 6 20 23	167.3	X	X PLES
ALICE ARM	0-26	55 26.90	129 32.90	81 6 20 23	206.2	X	X PLES
ALICE ARM	0-28	55 26.90	129 33.25	81 6 20 23	205.6	X	X PLES
ALICE ARM	0-30	55 26.90	129 33.60	81 6 20 22	205.9	X	X PLES
ALICE ARM	0-32	55 26.90	129 33.95	81 6 13 22	159.0	X	X PLES
ALICE ARM	0-35	55 26.90	129 34.48	81 6 16 18	202.2	X	X PLES
ALICE ARM	0-35	55 26.90	129 34.48	81 6 17 21	203.3	X	X PLES
ALICE ARM	0-41	55 26.90	129 35.54	81 6 18 18	207.4	X	X PLES
ALICE ARM	0-41	55 26.90	129 35.54	81 6 19 20	209.4	X	X PLES
ALICE ARM	0-42	55 26.90	129 35.71	81 6 16 17	191.1	X	X PLES
ALICE ARM	0-42	55 26.90	129 35.71	81 6 17 20	198.5	X	X PLES
ALICE ARM	OUTFA	55 26.90	129 29.40	81 5 28 8	63.6	X	X PLES
ALICE ARM	OUTFA	55 26.90	129 29.40	81 5 28 8	70.3	X	X PLES
ALICE ARM	OUTFA	55 26.90	129 29.40	81 5 29 4	65.8	X	X PLES
ALICE ARM	OUTFA	55 26.90	129 29.40	81 5 29 7	70.7	X	X PLES
ALICE ARM	OUTFA	55 26.90	129 29.40	81 5 29 13	70.4	X	X PLES
ALICE ARM	OUTFA	55 26.90	129 29.40	81 5 29 16	72.3	X	X PLES
ALICE ARM	OUTFA	55 26.90	129 29.40	81 5 30 19	78.2	X	X PLES
ALICE ARM	OUTFA	55 26.90	129 29.40	81 5 31 16	77.6	X	X PLES
ALICE ARM	OUTFA	55 26.90	129 29.40	81 5 31 20	83.7	X	X PLES
ALICE ARM	OUTFA	55 26.90	129 29.40	81 6 3 3	78.6	X	X PLES
ALICE ARM	OUTFA	55 26.90	129 29.40	81 6 5 4	77.9	X	X PLES
ALICE ARM	P-12	55 26.80	129 30.43	81 5 25 5	148.9	X	X PLES
ALICE ARM	P-12	55 26.80	129 30.43	81 5 29 8	176.7	X	X PLES
ALICE ARM	P-12	55 26.80	129 30.43	81 6 6 8	185.1	X	X PLES
ALICE ARM	P-12	55 26.80	129 30.43	81 6 7 18	158.7	X	X PLES
ALICE ARM	P-12	55 26.80	129 30.43	81 6 8 21	167.2	X	X PLES
ALICE ARM	P-12	55 26.80	129 30.43	81 6 10 20	180.6	X	X PLES
ALICE ARM	P-12	55 26.80	129 30.43	81 6 12 17	166.8	X	X PLES
ALICE ARM	P-12	55 26.80	129 30.43	81 6 13 18	177.0	X	X PLES
ALICE ARM	P-12	55 26.80	129 30.43	81 6 14 22	182.9	X	X PLES
ALICE ARM	P-12	55 26.80	129 30.43	81 6 15 17	197.9	X	X PLES
ALICE ARM	P-12	55 26.80	129 30.43	81 6 17 18	147.6	X	X PLES
ALICE ARM	P-12	55 26.80	129 30.43	81 6 18 18	207.1	X	X PLES
ALICE ARM	P-12	55 26.80	129 30.43	81 6 19 17	173.0	X	X PLES
ALICE ARM	P-12	55 26.80	129 30.43	81 6 20 17	198.8	X	X PLES
ALICE ARM	P-12	55 26.80	129 30.43	81 6 21 17	159.6	X	X PLES
ALICE ARM	P-13	55 26.80	129 30.61	81 5 28 9	152.0	X	X PLES
ALICE ARM	P-14	55 26.80	129 30.78	81 5 30 22	231.4	X	X PLES
ALICE ARM	P-14	55 26.80	129 30.78	81 6 2 3	227.0	X	X PLES
ALICE ARM	P-14	55 26.80	129 30.78	81 6 6 8	222.3	X	X PLES
ALICE ARM	P-16	55 26.80	129 31.14	81 5 26 8	208.1	X	X PLES
ALICE ARM	P-25	55 26.80	129 32.72	81 6 18 21	197.0	X	X PLES
ALICE ARM	P-25	55 26.80	129 32.72	81 6 19 22	193.9	X	X PLES
ALICE ARM	P-25	55 26.80	129 32.72	81 6 20 18	204.3	X	X PLES
ALICE ARM	P-25	55 26.80	129 32.72	81 6 21 19	205.2	X	X PLES
ALICE ARM	P-30	55 26.80	129 33.60	81 6 16 19	201.6	X	X PLES
ALICE ARM	P-33	55 26.80	129 34.13	81 6 18 22	206.0	X	X PLES
ALICE ARM	P-33	55 26.80	129 34.13	81 6 19 21	208.3	X	X PLES
ALICE ARM	P-33	55 26.80	129 34.13	81 6 20 22	208.0	X	X PLES
ALICE ARM	P-33	55 26.80	129 34.13	81 6 21 20	206.9	X	X PLES
ALICE ARM	P-40	55 26.80	129 35.36	81 6 14 18	167.6	X	X PLES
ALICE ARM	P-40	55 26.80	129 35.36	81 6 15 19	182.4	X	X PLES
ALICE ARM	Q-11	55 26.70	129 30.26	81 6 6 8	73.9	X	X PLES
ALICE ARM	Q-15	55 26.70	129 30.96	81 5 30 6	244.7	X	X PLES
ALICE ARM	Q-16	55 26.70	129 31.14	81 5 31 6	216.4	X	X PLES
ALICE ARM	Q-16	55 26.70	129 31.14	81 6 7 18	244.8	X	X PLES
ALICE ARM	Q-16	55 26.70	129 31.14	81 6 8 21	231.4	X	X PLES
ALICE ARM	Q-16	55 26.70	129 31.14	81 6 9 17	199.9	X	X PLES
ALICE ARM	Q-16	55 26.70	129 31.14	81 6 10 21	198.5	X	X PLES
ALICE ARM	Q-16	55 26.70	129 31.14	81 6 11 20	203.8	X	X PLES

ALICE ARM	Q-16	55 26.70 129 31.14	81 6 12 18 206.3	X X PLES
ALICE ARM	Q-16	55 26.70 129 31.14	81 6 13 18 146.4	X X PLES
ALICE ARM	Q-16	55 26.70 129 31.14	81 6 15 17 203.2	X X PLES
ALICE ARM	Q-16	55 26.70 129 31.14	81 6 16 22 200.9	X X PLES
ALICE ARM	Q-16	55 26.70 129 31.14	81 6 17 18 200.0	X X PLES
ALICE ARM	Q-19	55 26.70 129 31.66	81 6 18 23 203.0	X X PLES
ALICE ARM	Q-19	55 26.70 129 31.66	81 6 19 22 206.8	X X PLES
ALICE ARM	Q-19	55 26.70 129 31.66	81 6 20 18 204.2	X X PLES
ALICE ARM	Q-19	55 26.70 129 31.66	81 6 21 18 208.1	X X PLES
ALICE ARM	Q-20	55 26.70 129 31.84	81 5 26 8 230.6	X X PLES
ALICE ARM	Q-20	55 26.70 129 31.84	81 6 6 9 249.1	X X PLES
ALICE ARM	Q-20	55 26.70 129 31.84	81 6 7 18 258.0	X X PLES
ALICE ARM	Q-20	55 26.70 129 31.84	81 6 8 21 196.4	X X PLES
ALICE ARM	Q-20	55 26.70 129 31.84	81 6 9 18 200.6	X X PLES
ALICE ARM	Q-20	55 26.70 129 31.84	81 6 10 22 200.3	X X PLES
ALICE ARM	Q-20	55 26.70 129 31.84	81 6 11 20 202.7	X X PLES
ALICE ARM	Q-20	55 26.70 129 31.84	81 6 12 19 206.1	X X PLES
ALICE ARM	Q-20	55 26.70 129 31.84	81 6 13 20 204.3	X X PLES
ALICE ARM	Q-20	55 26.70 129 31.84	81 6 14 19 203.3	X X PLES
ALICE ARM	Q-20	55 26.70 129 31.84	81 6 15 18 204.2	X X PLES
ALICE ARM	Q-20	55 26.70 129 31.84	81 6 16 21 200.4	X X PLES
ALICE ARM	Q-20	55 26.70 129 31.84	81 6 17 19 27.6	X X PLES
ALICE ARM	Q-23	55 26.70 129 32.37	81 6 9 20 199.5	X X PLES
ALICE ARM	Q-25	55 26.70 129 32.72	81 6 16 20 177.6	X X PLES
ALICE ARM	Q-25	55 26.70 129 32.72	81 6 17 22 205.6	X X PLES
ALICE ARM	Q-30	55 26.70 129 33.60	81 6 11 22 205.8	X X PLES
ALICE ARM	Q-30	55 26.70 129 33.60	81 6 13 2 202.9	X X PLES
ALICE ARM	Q-30	55 26.70 129 33.60	81 6 13 21 204.9	X X PLES
ALICE ARM	Q-35	55 26.70 129 34.48	81 6 16 18 195.0	X X PLES
ALICE ARM	Q-35	55 26.70 129 34.48	81 6 17 21 199.7	X X PLES
ALICE ARM	R-14	55 26.60 129 30.78	81 5 25 7 86.9	X X PLES
ALICE ARM	R-14	55 26.60 129 30.78	81 5 29 19 184.5	X X PLES
ALICE ARM	R-14	55 26.60 129 30.78	81 5 31 6 185.9	X X PLES
ALICE ARM	R-14	55 26.60 129 30.78	81 6 2 3 129.2	X X PLES
ALICE ARM	R-14	55 26.60 129 30.78	81 6 6 8 173.3	X X PLES
ALICE ARM	R-26	55 26.60 129 32.90	81 6 18 21 201.3	X X PLES
ALICE ARM	R-26	55 26.60 129 32.90	81 6 19 22 204.6	X X PLES
ALICE ARM	R-26	55 26.60 129 32.90	81 6 20 19 203.9	X X PLES
ALICE ARM	R-26	55 26.60 129 32.90	81 6 21 19 207.1	X X PLES
ALICE ARM	R-34	55 26.60 129 34.30	81 6 13 22 188.8	X X PLES
ALICE ARM	R-34	55 26.60 129 34.30	81 6 18 23 190.0	X X PLES
ALICE ARM	R-34	55 26.60 129 34.30	81 6 19 21 184.1	X X PLES
ALICE ARM	R-35	55 26.60 129 34.48	81 6 13 2 124.0	X X PLES
ALICE ARM	S-18	55 26.50 129 31.49	81 6 19 23 179.8	X X PLES
ALICE ARM	S-18	55 26.50 129 31.49	81 6 19' 23 189.4	X X PLES
ALICE ARM	S-18	55 26.50 129 31.49	81 6 21 18 208.4	X X PLES
ALICE ARM	S-20	55 26.50 129 31.84	81 6 8 22 174.7	X X PLES
ALICE ARM	S-28	55 26.50 129 33.25	81 6 9 19 200.3	X X PLES
ALICE ARM	S-30	55 26.50 129 33.60	81 6 16 19 186.9	X X PLES
ALICE ARM	SEATE	55 27.10 129 29.90	81 5 24 8 79.0	X X PLES
ALICE ARM	SEATE	55 27.10 129 29.90	81 5 24 8 86.1	X X PLES
ALICE ARM	SEATE	55 27.10 129 29.90	81 5 24 8 103.8	X X PLES
ALICE ARM	T-20	55 26.40 129 31.84	81 6 11 21 146.9	X X PLES
ALICE ARM	T-20	55 26.40 129 31.84	81 6 12 19 167.6	X X PLES
ALICE ARM	T-20	55 26.40 129 31.84	81 6 13 20 164.6	X X PLES
ALICE ARM	T-20	55 26.40 129 31.84	81 6 14 18 164.0	X X PLES
ALICE ARM	T-20	55 26.40 129 31.84	81 6 15 18 136.2	X X PLES
ALICE ARM	T-20	55 26.40 129 31.84	81 6 16 22 104.3	X X PLES
ALICE ARM	T-25	55 26.40 129 32.72	81 6 8 23 149.3	X X PLES
ALICE ARM	T-25	55 26.40 129 32.72	81 6 9 18 201.8	X X PLES
ALICE ARM	T-25	55 26.40 129 32.72	81 6 10 22 184.1	X X PLES
ALICE ARM	T-25	55 26.40 129 32.72	81 6 11 21 180.4	X X PLES
ALICE ARM	T-25	55 26.40 129 32.72	81 6 13 1 168.2	X X PLES
ALICE ARM	T-25	55 26.40 129 32.72	81 6 13 21 126.7	X X PLES
ALICE ARM	T-25	55 26.40 129 32.72	81 6 14 18 164.0	X X PLES
ALICE ARM	T-25	55 26.40 129 32.72	81 6 15 18 175.0	X X PLES
ALICE ARM	T-25	55 26.40 129 32.72	81 6 16 20 180.6	X X PLES
ALICE ARM	T-25	55 26.40 129 32.72	81 6 17 21 141.1	X X PLES
ALICE ARM	T-27	55 26.40 129 33.07	81 6 18 21 163.2	X X PLES
ALICE ARM	T-27	55 26.40 129 33.07	81 6 19 21 191.1	X X PLES
ALICE ARM	T-27	55 26.40 129 33.07	81 6 20 19 169.0	X X PLES
ALICE ARM	T-27	55 26.40 129 33.07	81 6 21 19 161.9	X X PLES
ALICE ARM	T-30	55 26.40 129 33.60	81 6 11 21 180.0	X X PLES
ALICE ARM	T-30	55 26.40 129 33.60	81 6 13 1 168.7	X X PLES
ALICE ARM	T-30	55 26.40 129 33.60	81 6 15 18 201.9	X X PLES

BOTTLE/CTD DATA SET NUMBER: 81-0067
 YEAR:1981 VESSEL/AGENCY: EPS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST WATER PARAM TO DEPTH MEAS	INSTR INT NO HR
		(M)	(M)	C S T		
ALICE ARM	L-10	55 27.20	129 30.10	81 5 07 05	X X PLES	

BOTTLE/CTD DATA SET NUMBER: 81-0068
 YEAR:1981 VESSEL/AGENCY: EPS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST WATER PARAM TO DEPTH MEAS	INSTR INT NO HR
		(M)	(M)	C S T		
HASTINGS ARM	3.5			81 10 21 18	X X PLES	
ALICE ARM	G-5	55 27.70	129 29.33	81 10 21 02	X X PLES	
HASTINGS ARM	HA-1	55 24.90	129 43.08	81 10 21 16	X X PLES	
HASTINGS ARM	HA-3	55 27.00	129 43.90	81 10 21 17	X X PLES	
ALICE ARM	L-10	55 27.20	129 30.10	81 10 23 19	X X PLES	
ALICE ARM	N-8	55 27.00	129 29.38	81 10 20 16	X X PLES	
ALICE ARM	O-20	55 26.90	129 31.78	81 10 20 17	X X PLES	
ALICE ARM	O-32	55 26.90	129 33.98	81 10 20 20	X X PLES	
ALICE ARM	S-20	55 26.50	129 31.78	81 10 20 19	X X PLES	

BOTTLE/CTD DATA SET NUMBER: 82-0034
YEAR:1982 VESSEL/AGENCY: IOS,PARIZEAU

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM	INSTR	INT NO
				DEG	MIN	DEG	MIN					
				(M)	(M)	C	S	T				

ALICE ARM	AA 1	55 24.75	129 40.75	82	1	28	0	83.4	X	X	GLDL
ALICE ARM	AA 2	55 26.00	129 40.05	82	1	28	1	221.6	X	X	GLDL
ALICE ARM	AA 3	55 27.15	129 37.05	82	1	28	1	378.7	X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	82	1	28	4	249.1	X	X	GLDL
ALICE ARM	AA 5	55 27.90	129 29.25	82	1	28	5	93.0	X	X	GLDL
ALICE ARM	HA 1	55 24.90	129 43.10	82	1	28	11	55.6	X	X	GLDL
ALICE ARM	HA 2	55 28.70	129 45.10	82	1	28	10	140.9	X	X	GLDL
ALICE ARM	HA 3	55 32.50	129 47.10	82	1	28	8	136.3	X	X	GLDL
ALICE ARM	HA 4	55 36.50	129 47.80	82	1	27	8	82.4	X	X	GLDL
ALICE ARM	OB 1	55 3.10	130 0.80	82	1	28	19	61.5	X	X	GLDL
ALICE ARM	OB 2	55 6.70	129 57.30	82	1	28	17	421.1	X	X	GLDL
ALICE ARM	OB 3	55 10.00	129 53.00	82	1	28	15	469.8	X	X	GLDL
ALICE ARM	OB 4	55 13.90	129 51.10	82	1	28	14	499.0	X	X	GLDL
ALICE ARM	OB 5	55 17.50	129 47.90	82	1	28	13	498.1	X	X	GLDL
ALICE ARM	OB 6	55 21.30	129 45.70	82	1	28	12	202.6	X	X	GLDL
ALICE ARM	PI 1	54 40.60	123 28.20	82	1	29	1	374.0	X	X	GLDL
ALICE ARM	PI 2	54 43.80	130 24.30	82	1	29	0	499.9	X	X	GLDL
ALICE ARM	PI 3	54 46.70	130 19.70	82	1	28	23	487.2	X	X	GLDL
ALICE ARM	PI 4	54 49.60	130 14.90	82	1	28	23	405.2	X	X	GLDL
ALICE ARM	PI 5	54 52.85	130 10.90	82	1	28	22	401.7	X	X	GLDL
ALICE ARM	PI 6	54 56.10	130 6.90	82	1	28	21	321.5	X	X	GLDL
ALICE ARM	PI 7	54 59.30	130 2.80	82	1	28	20	207.7	X	X	GLDL

BOTTLE/CTD DATA SET NUMBER: 82-0036
YEAR:1982 VESSEL/AGENCY: IOS,VECTOR

AREA	STN	LAT	LON	DATE				CAST	WATER	PARAM	INSTR	INT NO
				DEG	MIN	DEG	MIN					
				(M)	(M)	C	S	T				

ALICE ARM	AA 1	55 24.75	129 40.75	82	6	21	23	72.9	X	X	GLDL	
ALICE ARM	AA 2	55 26.00	129 40.05	82	6	21	22	191.0	X	X	GLDL	
ALICE ARM	AA 3	55 27.15	129 37.05	82	6	21	21	190.9	X	X	GLDL	
ALICE ARM	AA 4	55 26.69	129 31.80	82	6	21	20	192.8	X	X	GLDL	
ALICE ARM	AA 5	55 27.90	129 29.25	82	6	21	19	50.6	X	X	GLDL	
ALICE ARM	AA 5	55 27.90	129 29.25	82	6	21	19	78.6	X	X	GLDL	
ALICE ARM	AA SI	55 24.95	129 40.60	82	6	10	20	101.5	X	X	GLDL	
ALICE ARM	HA 1	55 24.90	129 43.10	82	6	13	2	170.0	X	X	GLDL	
ALICE ARM	HA 1	55 24.90	129 43.10	82	6	22	3	150.7	X	X	GLDL	
ALICE ARM	HA 2	55 28.30	129 44.60	82	6	13	1	292.1	X	X	GLDL	
ALICE ARM	HA 2	55 28.30	129 44.60	82	6	22	3	199.6	X	X	GLDL	
ALICE ARM	HA 3	55 32.50	129 47.10	82	6	13	1	283.4	X	X	GLDL	
ALICE ARM	HA 3	55 32.50	129 47.10	82	6	22	2	199.2	X	X	GLDL	
ALICE ARM	HA 4	55 36.50	129 47.80	82	6	13	0	150.1	X	X	GLDL	
ALICE ARM	HA 4	55 36.50	129 47.80	82	6	22	1	156.1	X	X	GLDL	
ALICE ARM	HA 5				82	6	13	0	87.4	X	X	GLDL
ALICE ARM	OB 1	55 3.00	130 0.15	82	6	13	7	87.7	X	X	GLDL	
ALICE ARM	OB 1	55 3.00	130 0.15	82	6	22	9	39.3	X	X	GLDL	
ALICE ARM	OB 2	55 6.70	129 57.30	82	6	13	6	404.3	X	X	GLDL	
ALICE ARM	OB 2	55 6.70	129 57.30	82	6	22	8	192.5	X	X	GLDL	
ALICE ARM	OB 3	55 10.00	129 53.00	82	6	13	5	444.9	X	X	GLDL	
ALICE ARM	OB 3	55 10.00	129 53.00	82	6	22	7	193.8	X	X	GLDL	
ALICE ARM	OB 4	55 13.90	129 51.10	82	6	13	4	494.2	X	X	GLDL	
ALICE ARM	OB 4	55 13.90	129 51.10	82	6	22	6	199.1	X	X	GLDL	
ALICE ARM	OB 5	55 17.50	129 47.90	82	6	13	3	495.5	X	X	GLDL	
ALICE ARM	OB 5	55 17.50	129 47.90	82	6	22	6	199.9	X	X	GLDL	
ALICE ARM	OB 6	55 21.30	129 45.90	82	6	13	2	232.5	X	X	GLDL	
ALICE ARM	OB 6	55 21.30	129 45.90	82	6	22	4	199.1	X	X	GLDL	
ALICE ARM	OBM 1	55 3.20	130 0.40	82	6	9	15	39.6	X	X	GLDL	
ALICE ARM	OBM 1	55 3.20	130 0.40	82	6	9	17	120.4	X	X	GLDL	
ALICE ARM	OBM 2	55 5.05	129 59.10	82	6	9	16	199.8	X	X	GLDL	
ALICE ARM	OBS-G	55 4.80	129 59.40	82	6	9	15	202.7	X	X	GLDL	
ALICE ARM	PI 1	54 40.60	123 28.20	82	6	15	13	400.8	X	X	GLDL	
ALICE ARM	PI 1	54 40.60	123 28.20	82	6	22	14	199.5	X	X	GLDL	

ALICE ARM	PI 2	54 43.80	130 24.30	82 6 15 14	496.2	X	X GLDL
ALICE ARM	PI 2	54 43.80	130 24.30	82 6 22 13	200.0	X	X GLDL
ALICE ARM	PI 3	54 46.70	130 19.70	82 6 22 13	200.1	X	X GLDL
ALICE ARM	PI 4	54 49.60	130 14.90	82 6 22 12	200.1	X	X GLDL
ALICE ARM	PI 5	54 52.85	130 10.90	82 6 22 12	199.9	X	X GLDL
ALICE ARM	PI 6	54 56.10	130 6.90	82 6 22 11	195.8	X	X GLDL
ALICE ARM	PI 7	54 59.30	130 2.80	82 6 13 7	199.7	X	X GLDL
ALICE ARM	PI 7	54 59.30	130 2.80	82 6 22 10	193.2	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 82-0037
YEAR:1982 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER MEAS (M)	PARAM HR	INSTR C S T	INT NO
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 1	150.0			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 1	149.1			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 2	148.6			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 2	148.7			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 3	143.8			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 3	144.6			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 4	146.0			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 4	145.7			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 5	145.0			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 5	149.9			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 6	145.0			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 6	146.1			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 7	145.8			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 7	145.9			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 8	145.8			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 8	146.9			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 9	147.0			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 10	145.6			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 10	145.5			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 11	148.2			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 11	148.6			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 12	149.7			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 12	147.5			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 13	147.5			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 13	147.7			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 14	147.9			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 14	150.1			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 15	145.1			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 15	144.7			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 16	144.9			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 16	144.6			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 17	145.5			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 17	145.5			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 18	143.9			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 18	145.1			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 19	146.2			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 19	146.5			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 20	146.9			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 20	145.7			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 21	146.0			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 21	146.1			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 22	145.5			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 22	145.1			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 23	148.5			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 5 23	148.2			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 6 0	148.0			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 6 0	148.9			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 6 1	148.0			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 6 1	148.9			X	X GLDL
ALICE ARM	3TS	55 20.85	129 46.25	82 9 6 2	150.0			X	X GLDL
ALICE ARM	AA 1	55 24.75	129 40.75	82 8 30 19	65.9			X	X GLDL
ALICE ARM	AA 1	55 24.75	129 40.75	82 9 4 19	69.5			X	X GLDL
ALICE ARM	AA 2	55 26.00	129 40.05	82 8 30 19	197.7			X	X GLDL
ALICE ARM	AA 2	55 26.00	129 40.05	82 9 4 20	189.6			X	X GLDL
ALICE ARM	AA 2	55 26.00	129 40.05	82 9 4 20	189.6			X	X GLDL
ALICE ARM	AA 3	55 27.15	129 37.05	82 8 30 18	370.6			X	X GLDL
ALICE ARM	AA 3	55 27.15	129 37.05	82 9 4 20	368.8			X	X GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	82 8 30 17	265.0			X	X GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	82 9 4 21	257.1			X	X GLDL
ALICE ARM	AA 5	55 27.90	129 29.25	82 8 30 16	97.2			X	X GLDL
ALICE ARM	AA 5	55 27.90	129 29.25	82 9 4 22	86.9			X	X GLDL

ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 10	99.6	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 10	99.7	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 11	99.7	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 11	99.1	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 12	99.8	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 12	99.2	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 13	99.9	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 13	99.6	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 14	99.8	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 14	99.5	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 15	100.5	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 15	96.8	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 16	96.5	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 16	97.0	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 17	96.5	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 17	97.1	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 18	96.9	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 18	97.7	X	X GLDL
ALICE ARM	ARTS	55 25.95 129 39.72	82 9 3 19	97.5	X	X GLDL
ALICE ARM	C 3	55 28.10 129 28.85	82 8 30 14	60.5	X	X GLDL
ALICE ARM	C 6	55 28.10 129 29.33	82 8 30 13	76.9	X	X GLDL
ALICE ARM	E 3	55 27.90 129 28.81	82 8 30 13	76.8	X	X GLDL
ALICE ARM	E 5	55 27.90 129 29.18	82 8 30 13	77.1	X	X GLDL
ALICE ARM	E 7	55 27.90 129 29.53	82 8 30 13	77.6	X	X GLDL
ALICE ARM	G 5	55 27.20 129 29.20	82 8 30 13	65.9	X	X GLDL
ALICE ARM	G 6	55 27.70 129 29.33	82 8 30 12	77.7	X	X GLDL
ALICE ARM	G 8	55 27.70 129 29.73	82 8 30 12	59.9	X	X GLDL
ALICE ARM	HA 1	55 24.90 129 43.10	82 8 31 0	143.8	X	X GLDL
ALICE ARM	HA 1	55 24.90 129 43.10	82 9 4 14	149.9	X	X GLDL
ALICE ARM	HA 2	55 28.30 129 44.60	82 8 30 23	275.1	X	X GLDL
ALICE ARM	HA 2	55 28.30 129 44.60	82 9 4 15	286.0	X	X GLDL
ALICE ARM	HA 3	55 32.50 129 47.10	82 8 30 22	263.2	X	X GLDL
ALICE ARM	HA 3	55 32.50 129 47.10	82 9 4 16	269.7	X	X GLDL
ALICE ARM	HA 4	55 36.50 129 47.80	82 8 30 21	144.7	X	X GLDL
ALICE ARM	HA 4	55 36.50 129 47.80	82 9 4 17	148.1	X	X GLDL
ALICE ARM	I 6	55 27.50 129 29.33	82 8 30 11	77.9	X	X GLDL
ALICE ARM	I 8	55 27.50 129 29.73	82 8 30 12	77.7	X	X GLDL
ALICE ARM	K 40	55 27.30 129 35.36	82 8 30 3	185.7	X	X GLDL
ALICE ARM	K 6	55 27.30 129 29.33	82 8 30 11	77.1	X	X GLDL
ALICE ARM	K 8	55 27.30 129 29.73	82 8 30 11	77.1	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	82 8 30 12	96.7	X	X GLDL
ALICE ARM	L 56	55 27.20 129 38.18	82 8 30 3	290.9	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 3	83.0	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 3	81.1	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 4	81.1	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 4	81.5	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 5	81.6	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 5	81.5	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 6	80.7	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 6	81.9	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 7	79.5	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 7	77.8	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 8	77.9	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 8	78.7	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 9	79.7	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 9	78.5	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 10	78.7	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 10	79.7	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 11	79.9	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 11	79.1	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 12	78.5	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 12	79.6	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 13	79.7	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 13	80.0	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 14	79.5	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 14	79.8	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 15	81.7	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 15	81.9	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 16	82.0	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 16	81.5	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 17	82.1	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 18	81.7	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 18	82.1	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 18	80.6	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 19	81.8	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 19	80.5	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 20	80.6	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 20	80.5	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 21	79.6	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 21	79.9	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 22	80.1	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 22	80.0	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 23	78.9	X	X GLDL

ALICE ARM	LPTS	55 24.75 129 40.75	82 9 6 23	79.0	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 7 0	78.6	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 7 0	78.7	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 7 1	78.5	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 7 1	78.9	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 7 2	79.7	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 7 2	79.9	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 7 3	81.8	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 7 3	82.1	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 7 4	81.5	X	X GLDL
ALICE ARM	LPTS	55 24.75 129 40.75	82 9 7 4	81.5	X	X GLDL
ALICE ARM	M 12	55 27.10 129 30.43	82 8 30 10	130.6	X	X GLDL
ALICE ARM	M 28	55 27.10 129 33.25	82 8 30 5	131.6	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	82 8 30 4	357.9	X	X GLDL
ALICE ARM	M 9	55 27.10 129 29.90	82 8 30 12	131.6	X	X GLDL
ALICE ARM	N 11	55 27.00 129 30.26	82 8 30 10	161.9	X	X GLDL
ALICE ARM	N 14	55 27.00 129 30.78	82 8 30 10	117.7	X	X GLDL
ALICE ARM	N 55	55 27.00 129 38.00	82 8 30 3	343.6	X	X GLDL
ALICE ARM	N 8	55 27.00 129 29.73	82 8 30 10	107.0	X	X GLDL
ALICE ARM	O 13	55 26.90 129 30.61	82 8 30 9	196.0	X	X GLDL
ALICE ARM	O 16	55 26.90 129 31.14	82 8 30 8	127.6	X	X GLDL
ALICE ARM	O 20	55 26.90 129 31.84	82 8 30 8	135.7	X	X GLDL
ALICE ARM	OB 1	55 3.00 130 0.15	82 8 31 7	47.6	X	X GLDL
ALICE ARM	OB 1	55 3.00 130 0.15	82 9 4 8	86.1	X	X GLDL
ALICE ARM	OB 2	55 6.70 129 57.30	82 8 31 5	397.9	X	X GLDL
ALICE ARM	OB 2	55 6.70 129 57.30	82 9 4 9	409.9	X	X GLDL
ALICE ARM	OB 3	55 10.00 129 53.00	82 8 31 4	467.7	X	X GLDL
ALICE ARM	OB 3	55 10.00 129 53.00	82 9 4 10	458.9	X	X GLDL
ALICE ARM	OB 4	55 13.90 129 51.10	82 8 31 3	493.8	X	X GLDL
ALICE ARM	OB 4	55 13.90 129 51.10	82 9 4 11	505.0	X	X GLDL
ALICE ARM	OB 5	55 17.50 129 47.90	82 8 31 2	517.7	X	X GLDL
ALICE ARM	OB 5	55 17.50 129 47.90	82 9 4 12	497.0	X	X GLDL
ALICE ARM	OB 6	55 21.30 129 45.90	82 8 31 1	209.8	X	X GLDL
ALICE ARM	OB 6	55 21.30 129 45.90	82 9 4 13	207.1	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	82 8 30 9	157.9	X	X GLDL
ALICE ARM	P 29	55 26.80 129 33.42	82 8 30 6	326.0	X	X GLDL
ALICE ARM	P 40	55 26.80 129 35.36	82 8 30 4	345.0	X	X GLDL
ALICE ARM	P 54	55 26.80 129 37.82	82 8 30 2	72.9	X	X GLDL
ALICE ARM	PI 1	54 40.60 123 28.20	82 8 31 13	393.2	X	X GLDL
ALICE ARM	PI 1	54 40.60 123 28.20	82 9 4 1	422.0	X	X GLDL
ALICE ARM	PI 2	54 43.80 130 24.30	82 8 31 11	492.6	X	X GLDL
ALICE ARM	PI 2	54 43.80 130 24.30	82 9 4 2	493.0	X	X GLDL
ALICE ARM	PI 3	54 46.70 130 19.70	82 8 31 10	442.6	X	X GLDL
ALICE ARM	PI 3	54 46.70 130 19.70	82 9 4 4	468.2	X	X GLDL
ALICE ARM	PI 4	54 49.60 130 14.90	82 8 31 10	431.9	X	X GLDL
ALICE ARM	PI 4	54 49.60 130 14.90	82 9 4 5	423.8	X	X GLDL
ALICE ARM	PI 5	54 52.85 130 10.90	82 8 31 9	388.5	X	X GLDL
ALICE ARM	PI 5	54 52.85 130 10.90	82 9 4 5	402.5	X	X GLDL
ALICE ARM	PI 6	54 56.10 130 6.90	82 8 31 8	305.0	X	X GLDL
ALICE ARM	PI 6	54 56.10 130 6.90	82 9 4 7	319.1	X	X GLDL
ALICE ARM	PI 7	54 59.30 130 2.80	82 8 31 7	195.0	X	X GLDL
ALICE ARM	PI 7	54 59.30 130 2.80	82 9 4 8	210.9	X	X GLDL
ALICE ARM	Q 16	55 26.70 129 31.14	82 8 30 8	247.5	X	X GLDL
ALICE ARM	Q 20	55 26.70 129 31.84	82 8 30 7	253.0	X	X GLDL
ALICE ARM	S 16	55 26.50 129 31.14	82 8 30 9	146.5	X	X GLDL
ALICE ARM	S 20	55 26.50 129 31.84	82 8 30 7	280.6	X	X GLDL
ALICE ARM	S 30	55 26.50 129 33.60	82 8 30 6	291.1	X	X GLDL
ALICE ARM	U 67	55 26.30 129 40.11	82 8 30 2	211.5	X	X GLDL
ALICE ARM	V 66	55 26.20 129 39.94	82 8 30 1	186.0	X	X GLDL
ALICE ARM	W 65	55 26.10 129 39.76	82 8 30 1	122.8	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 82-0038
YEAR: 1982 VESSEL/AGENCY: IOS, VECTOR

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY	CAST TO HR	WATER DEPTH MEAS (M)	INSTR (M)	INT C	NO S T
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ALICE ARM	AA 1	55 24.75 129 40.75	82 11 26	8	76.5	X	X GLDL
ALICE ARM	AA 1	55 24.75 129 40.75	82 11 30	7	86.5	X	X GLDL
ALICE ARM	AA 2	55 26.00 129 40.05	82 11 26	8	224.8	X	X GLDL
ALICE ARM	AA 2	55 26.00 129 40.05	82 11 30	7	234.4	X	X GLDL
ALICE ARM	AA 3	55 27.15 129 37.05	82 11 26	8	297.2	X	X GLDL
ALICE ARM	AA 3	55 27.15 129 37.05	82 11 30	6	383.6	X	X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	82 11 26	9	266.6	X	X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	82 11 30	5	254.5	X	X GLDL
ALICE ARM	AA 5	55 27.90 129 29.25	82 11 26	10	89.6	X	X GLDL

ALICE ARM	AA 5	55 27.90 129 29.25	82 11 30 4 94.1	X	X GLDL
ALICE ARM	C 3	55 28.10 129 28.85	82 11 30 4 90.8	X	X GLDL
ALICE ARM	C 6	55 28.10 129 29.33	82 11 30 4 93.6	X	X GLDL
ALICE ARM	E 3	55 27.90 129 28.81	82 11 30 3 91.5	X	X GLDL
ALICE ARM	E 5	55 27.90 129 29.18	82 11 30 4 93.2	X	X GLDL
ALICE ARM	E 7	55 27.90 129 29.53	82 11 30 4 98.1	X	X GLDL
ALICE ARM	G 4	55 27.70 129 29.00	82 11 30 3 90.0	X	X GLDL
ALICE ARM	G 6	55 27.70 129 29.33	82 11 30 3 88.6	X	X GLDL
ALICE ARM	G 8	55 27.70 129 29.73	82 11 30 3 118.0	X	X GLDL
ALICE ARM	HA 1	55 24.90 129 43.10	82 11 26 3 156.1	X	X GLDL
ALICE ARM	HA 1	55 24.90 129 43.10	82 11 30 11 154.1	X	X GLDL
ALICE ARM	HA 2	55 28.30 129 44.60	82 11 26 4 283.8	X	X GLDL
ALICE ARM	HA 2	55 28.30 129 44.60	82 11 29 16 165.6	X	X GLDL
ALICE ARM	HA 2	55 28.30 129 44.60	82 11 30 11 287.1	X	X GLDL
ALICE ARM	HA 3	55 32.50 129 47.10	82 11 26 5 273.1	X	X GLDL
ALICE ARM	HA 3	55 32.50 129 47.10	82 11 30 10 290.9	X	X GLDL
ALICE ARM	HA 4	55 36.50 129 47.80	82 11 26 6 172.7	X	X GLDL
ALICE ARM	HA 4	55 36.50 129 47.80	82 11 30 9 169.0	X	X GLDL
ALICE ARM	I 6	55 27.50 129 29.33	82 11 30 2 88.5	X	X GLDL
ALICE ARM	I 8	55 27.50 129 29.73	82 11 30 3 94.0	X	X GLDL
ALICE ARM	K 40	55 27.30 129 35.36	82 11 29 21 215.5	X	X GLDL
ALICE ARM	K 6	55 27.30 129 29.33	82 11 30 2 89.8	X	X GLDL
ALICE ARM	K 8	55 27.30 129 29.73	82 11 30 2 92.1	X	X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	82 11 30 2 147.0	X	X GLDL
ALICE ARM	M 12	55 27.10 129 30.43	82 11 30 1 172.9	X	X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	82 11 29 21 377.8	X	X GLDL
ALICE ARM	M 9	55 27.10 129 29.90	82 11 30 2 144.0	X	X GLDL
ALICE ARM	N 11	55 27.00 129 30.26	82 11 30 1 156.7	X	X GLDL
ALICE ARM	N 14	55 27.00 129 30.78	82 11 30 1 94.6	X	X GLDL
ALICE ARM	N 8	55 27.00 129 29.73	82 11 30 1 74.8	X	X GLDL
ALICE ARM	O 10	55 26.90 129 30.08	82 11 30 1 75.9	X	X GLDL
ALICE ARM	O 13	55 26.90 129 30.61	82 11 30 0 204.0	X	X GLDL
ALICE ARM	O 16	55 26.90 129 31.14	82 11 29 23 141.5	X	X GLDL
ALICE ARM	O 20	55 26.90 129 31.84	82 11 29 23 54.7	X	X GLDL
ALICE ARM	OB 1	55 3.00 130 0.15	82 11 25 22 31.5	X	X GLDL
ALICE ARM	OB 1	55 3.00 130 0.15	82 11 30 17 62.3	X	X GLDL
ALICE ARM	OB 2	55 6.70 129 57.30	82 11 25 23 386.1	X	X GLDL
ALICE ARM	OB 2	55 6.70 129 57.30	82 11 30 16 420.2	X	X GLDL
ALICE ARM	OB 3	55 10.00 129 53.00	82 11 26 0 473.3	X	X GLDL
ALICE ARM	OB 3	55 10.00 129 53.00	82 11 30 15 468.5	X	X GLDL
ALICE ARM	OB 4	55 13.90 129 51.10	82 11 26 1 496.4	X	X GLDL
ALICE ARM	OB 4	55 13.90 129 51.10	82 11 30 14 493.5	X	X GLDL
ALICE ARM	OB 5	55 17.50 129 47.90	82 11 26 2 497.5	X	X GLDL
ALICE ARM	OB 5	55 17.50 129 47.90	82 11 29 18 492.7	X	X GLDL
ALICE ARM	OB 5	55 17.50 129 47.90	82 11 30 13 424.9	X	X GLDL
ALICE ARM	OB 6	55 21.30 129 45.90	82 11 26 2 230.4	X	X GLDL
ALICE ARM	OB 6	55 21.30 129 45.90	82 11 30 12 213.2	X	X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	82 11 30 0 201.5	X	X GLDL
ALICE ARM	P 40	55 26.80 129 35.36	82 11 29 22 271.1	X	X GLDL
ALICE ARM	PI 1	54 40.60 123 28.20	82 11 25 16 470.5	X	X GLDL
ALICE ARM	PI 1	54 40.60 123 28.20	82 11 30 23 458.2	X	X GLDL
ALICE ARM	PI 2	54 43.80 130 24.30	82 11 25 17 498.8	X	X GLDL
ALICE ARM	PI 2	54 43.80 130 24.30	82 11 30 22 495.3	X	X GLDL
ALICE ARM	PI 3	54 46.70 130 19.70	82 11 25 18 490.1	X	X GLDL
ALICE ARM	PI 3	54 46.70 130 19.70	82 11 30 21 480.3	X	X GLDL
ALICE ARM	PI 4	54 49.60 130 14.90	82 11 25 19 451.5	X	X GLDL
ALICE ARM	PI 4	54 49.60 130 14.90	82 11 30 20 448.4	X	X GLDL
ALICE ARM	PI 5	54 52.85 130 10.90	82 11 25 20 413.1	X	X GLDL
ALICE ARM	PI 5	54 52.85 130 10.90	82 11 30 19 425.6	X	X GLDL
ALICE ARM	PI 6	54 56.10 130 6.90	82 11 25 21 326.5	X	X GLDL
ALICE ARM	PI 6	54 56.10 130 6.90	82 11 30 18 345.4	X	X GLDL
ALICE ARM	PI 7	54 59.30 130 2.80	82 11 25 22 226.2	X	X GLDL
ALICE ARM	PI 7	54 59.30 130 2.80	82 11 30 18 219.2	X	X GLDL
ALICE ARM	Q 16	55 26.70 129 31.14	82 11 29 23 237.8	X	X GLDL
ALICE ARM	Q 20	55 26.70 129 31.84	82 11 29 22 250.0	X	X GLDL
ALICE ARM	S 16	55 26.50 129 31.14	82 11 30 0 144.9	X	X GLDL
ALICE ARM	S 20	55 26.50 129 31.84	82 11 29 22 178.5	X	X GLDL
ALICE ARM	U 67	55 26.30 129 40.11	82 11 29 20 229.8	X	X GLDL
ALICE ARM	V 66	55 26.20 129 39.94	82 11 29 20 154.6	X	X GLDL
ALICE ARM	W 65	55 26.10 129 39.76	82 11 29 20 164.9	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 82-0039A
YEAR:1982 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER PARAM (M)	INSTR MEAS HR	INT NO C S T
ALICE ARM	IC	55 28.80	129 27.40	82 3 27 0			X X BOTT	
ALICE ARM	KR	55 28.90	129 28.90	82 3 27 0			X X BOTT	
ALICE ARM	LC	55 27.40	129 28.90	82 3 27 2			X X BOTT	
ALICE ARM	AA 1	55 24.75	129 40.75	82 3 27 7	7 75.	86.	X X BOTT	
ALICE ARM	AA 2	55 26.00	129 40.05	82 3 27 5	250.	258.	X X BOTT	
ALICE ARM	AA 3	55 27.15	129 37.05	82 3 26 7	350.	386.	X X BOTT	
ALICE ARM	AA 3	55 27.15	129 37.05	82 4 5 2	300.	386.	X X BOTT	
ALICE ARM	AA 4	55 26.69	129 31.80	82 4 5 1	250.	278.	X X BOTT	
ALICE ARM	AA 4	55 26.69	129 32.00	82 3 26 8	270.	278.	X X BOTT	
ALICE ARM	AA 5	55 27.90	129 29.25	82 3 28 0	90.	104.	X X BOTT	
ALICE ARM	GB 1	55 25.40	129 29.25	82 3 27 0	100.	115.	X X BOTT	
ALICE ARM	HA 1	55 24.90	129 43.10	82 4 5 7	150.	168.	X X BOTT	
ALICE ARM	HA 3	55 32.50	129 47.10	82 3 28 2	250.	282.	X X BOTT	
ALICE ARM	HA 3	55 32.50	129 47.10	82 4 5 5	250.	282.	X X BOTT	
ALICE ARM	OB 2	55 6.70	129 57.30	82 3 29 1	400.	430.	X X BOTT	
ALICE ARM	OB 2	55 6.70	129 57.30	82 4 5 11	400.	430.	X X BOTT	
ALICE ARM	OB 4	55 13.90	129 51.10	82 3 25 7	500.	503.	X X BOTT	
ALICE ARM	OB 4	55 13.90	129 51.10	82 4 5 9	300.	503.	X X BOTT	
ALICE ARM	OB 6	55 21.30	129 45.70	82 3 28 6	200.	242.	X X BOTT	
ALICE ARM	OB 6	55 21.30	129 45.90	82 4 5 8	150.	242.	X X BOTT	
ALICE ARM	PI 2	54 43.80	130 24.30	82 3 29 5	530.	540.	X X BOTT	
ALICE ARM	PI 2	54 43.80	130 24.30	82 4 5 17	500.	540.	X X BOTT	
ALICE ARM	PI 6	54 56.10	130 6.90	82 4 5 14	300.	339.	X X BOTT	

BOTTLE/CTD DATA SET NUMBER: 82-0039B
YEAR:1982 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER PARAM (M)	INSTR MEAS HR	INT NO C S T
ALICE ARM	AA 1	55 24.75	129 40.75	82 4 4 11	76.4		X X GLDL	
ALICE ARM	AA 2	55 26.00	129 40.05	82 4 4 11	225.5		X X GLDL	
ALICE ARM	AA 3	55 27.15	129 37.05	82 4 4 10	383.5		X X GLDL	
ALICE ARM	AA 4	55 26.69	129 31.80	82 4 4 09	286.1		X X GLDL	
ALICE ARM	AA 5	55 27.90	129 29.25	82 4 4 08	98.4		X X GLDL	
ALICE ARM	HA 1	55 24.90	129 43.10	82 4 4 15	161.0		X X GLDL	
ALICE ARM	HA 2	55 28.30	129 44.60	82 4 4 14	272.1		X X GLDL	
ALICE ARM	HA 3	55 32.50	129 47.10	82 4 4 13	273.3		X X GLDL	
ALICE ARM	HA 4	55 36.50	129 47.80	82 4 4 13	163.7		X X GLDL	
ALICE ARM	OB 1	55 3.00	130 0.15	82 4 4 20	56.2		X X GLDL	
ALICE ARM	OB 2	55 6.70	129 57.30	82 4 4 19	401.8		X X GLDL	
ALICE ARM	OB 3	55 10.00	129 53.00	82 4 4 19	446.9		X X GLDL	
ALICE ARM	OB 4	55 13.90	129 51.10	82 4 4 17	495.3		X X GLDL	
ALICE ARM	OB 5	55 17.50	129 47.90	82 4 4 17	497.0		X X GLDL	
ALICE ARM	OB 6	55 21.30	129 45.90	82 4 4 16	149.8		X X GLDL	
ALICE ARM	PI 1	54 40.60	123 28.20	82 4 5 02	493.3		X X GLDL	
ALICE ARM	PI 2	54 43.80	130 24.30	82 4 5 01	489.2		X X GLDL	
ALICE ARM	PI 3	54 46.70	130 19.70	82 4 5 00	481.3		X X GLDL	
ALICE ARM	PI 4	54 49.60	130 14.90	82 4 4 23	435.1		X X GLDL	
ALICE ARM	PI 5	54 52.85	130 10.90	82 4 4 23	416.7		X X GLDL	
ALICE ARM	PI 6	54 56.10	130 6.90	82 4 4 22	338.3		X X GLDL	
ALICE ARM	PI 7	54 59.30	130 2.80	82 4 4 21	216.3		X X GLDL	

BOTTLE/CTD DATA SET NUMBER: 82-0040
YEAR:1982 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO	WATER DEPTH	PARAM MEAS	INSTR HR	INT NO
		(M)	(M)	C S T					
ALICE ARM	AA-1	55 24.75	129 40.75	82 9 27 18	75.	86.		X X	BOTT
ALICE ARM	AA-1	55 24.75	129 40.75	82 9 27 19	75.	86.		X X	BOTT
ALICE ARM	AA-2	55 26.00	129 40.05	82 9 27 16	150.	258.		X X	BOTT
ALICE ARM	AA-2	55 26.00	129 40.05	82 9 27 17	150.	258.		X X	BOTT
ALICE ARM	AA-3	55 27.15	129 37.05	82 9 27 00	300.	386.		X X	BOTT
ALICE ARM	AA-3	55 27.15	129 37.05	82 9 27 02	300.	386.		X X	BOTT
ALICE ARM	AA-4	55 26.69	129 31.80	82 9 26 18	250.	278.		X X	BOTT
ALICE ARM	AA-4	55 26.69	129 31.80	82 9 26 21	250.	278.		X X	BOTT
ALICE ARM	AA-5	55 27.90	129 29.25	82 9 26 16	75.	104.		X X	BOTT
ALICE ARM	AA-5	55 27.90	129 29.25	82 9 26 17	75.	104.		X X	BOTT
ALICE ARM	GB-1	55 25.40	129 25.25	82 9 28 16	100.	115.		X X	BOTT
ALICE ARM	GB-1	55 25.40	129 25.25	82 9 28 16	100.	115.		X X	BOTT
ALICE ARM	HA-3	55 32.50	129 47.10	82 9 28 00	250.	282.		X X	BOTT
ALICE ARM	HA-3	55 32.50	129 47.10	82 9 28 01	250.	282.		X X	BOTT
ALICE ARM	OB-2	55 06.70	129 57.30	82 9 29 02	400.	430.		X X	BOTT
ALICE ARM	OB-4	55 13.90	129 51.10	82 9 28 21	500.	503.		X X	BOTT
ALICE ARM	OB-4	55 13.90	129 51.10	82 9 28 22	500.	503.		X X	BOTT
ALICE ARM	OB-6	55 21.30	129 45.90	82 9 28 18	200.	242.		X X	BOTT
ALICE ARM	PI-2	54 43.80	130 24.30	82 9 29 05	500.	540.		X X	BOTT

BOTTLE/CTD DATA SET NUMBER: 82-0045
YEAR:1982 VESSEL/AGENCY: EPS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO	WATER DEPTH	PARAM MEAS	INSTR HR	INT NO
		(M)	(M)	C S T					
PORPOISE HBR	B10	54 13.19	130 17.60	82 04 29 22	20		X	X PLES	
PORPOISE HBR	O-1	54 13.80	130 18.04	82 04 29 23	20		X	X PLES	
PORPOISE HBR	O-2	54 13.91	130 18.07	82 04 29 23	10		X	X PLES	
PORPOISE HBR	O-4	54 13.68	130 17.91	82 04 29 22	20		X	X PLES	
PORPOISE HBR	O-5	54 13.47	130 17.80	82 04 29 22	15		X	X PLES	
PORPOISE HBR	P12	54 13.22	130 17.63	82 04 29 22	20		X	X PLES	
PORPOISE HBR	P18	54 14.25	130 18.40	82 04 29 23	15		X	X PLES	
PORPOISE HBR	PH2	54 12.51	130 17.72	82 04 29 21	25		X	X PLES	

BOTTLE/CTD DATA SET NUMBER: 82-0051
YEAR:1982 VESSEL/AGENCY: IOS,PARIZEAU

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO	WATER DEPTH	PARAM MEAS	INSTR HR	INT NO
		(M)	(M)	C S T					
QUEEN CH.SOUND	GB01	51 28.5	129 2.0	82 5 26 20			X	X GLDL	
QUEEN CH.SOUND	GB02	51 25.5	129 0.0	82 5 26 21			X	X GLDL	
QUEEN CH.SOUND	GB03	51 22.4	128 57.4	82 5 26 21			X	X GLDL	
QUEEN CH.SOUND	GB04	51 20.0	128 54.5	82 5 26 22			X	X GLDL	
QUEEN CH.SOUND	GB05	51 18.5	128 53.3	82 5 26 22			X	X GLDL	
QUEEN CH.SOUND	GB06	51 16.7	128 51.8	82 5 26 23			X	X GLDL	
QUEEN CH.SOUND	GB07	51 13.0	128 50.4	82 5 26 23			X	X GLDL	
QUEEN CH.SOUND	GB08	51 10.2	128 49.0	82 5 27 0			X	X GLDL	
QUEEN CH.SOUND	GB09	51 7.4	128 46.1	82 5 27 0			X	X GLDL	
QUEEN CH.SOUND	GB10	51 7.0	128 42.5	82 5 27 1			X	X GLDL	
QUEEN CH.SOUND	GB11	51 6.3	128 38.0	82 5 27 1			X	X GLDL	
QUEEN CH.SOUND	GB12	51 5.6	128 33.3	82 5 27 2			X	X GLDL	
QUEEN CH.SOUND	GB13	51 4.8	128 28.5	82 5 27 2			X	X GLDL	
QUEEN CH.SOUND	GB14	51 4.1	128 24.0	82 5 27 3			X	X GLDL	

QUEEN CH.SOUND	GB15	51	3.5	128	19.2	82	5	27	3	X	X	GLDL
QUEEN CH.SOUND	GB16	51	3.0	128	14.8	82	5	27	4	X	X	GLDL
QUEEN CH.SOUND	GB17	51	2.3	128	10.2	82	5	27	5	X	X	GLDL
QUEEN CH.SOUND	GB15	51	1.5	128	5.8	82	5	27	5	X	X	GLDL
QUEEN CH.SOUND	GB19	51	1.0	128	1.4	82	5	27	6	X	X	GLDL
QUEEN CH.SOUND	GB20	51	0.4	127	57.0	82	5	27	6	X	X	GLDL
QUEEN CH.SOUND	C09	51	21.0	128	54.7	82	5	29	14	X	X	GLDL
QUEEN CH.SOUND	C08	51	23.0	128	54.7	82	5	29	15	X	X	GLDL
QUEEN CH.SOUND	C07	51	24.5	128	54.7	82	5	29	16	X	X	GLDL
QUEEN CH.SOUND	C06	51	26.2	128	54.7	82	5	29	17	X	X	GLDL
QUEEN CH.SOUND	C05	51	28.0	128	54.7	82	5	29	17	X	X	GLDL
QUEEN CH.SOUND	C04	51	30.0	128	54.7	82	5	29	18	X	X	GLDL
QUEEN CH.SOUND	C03	51	31.2	128	54.7	82	5	29	18	X	X	GLDL
QUEEN CH.SOUND	C02	51	32.8	128	54.7	82	5	29	18	X	X	GLDL
QUEEN CH.SOUND	C01	51	34.0	128	54.7	82	5	29	19	X	X	GLDL
QUEEN CH.SOUND	CO	51	35.3	128	54.7	82	5	29	19	X	X	GLDL
QUEEN CH.SOUND	GB00	51	26.0	128	54.0	82	5	30	5	X	X	GLDL
QUEEN CH.SOUND	M 0	51	35.5	128	55.0	82	5	30	10	X	X	GLDL
QUEEN CH.SOUND	M 1	51	35.5	129	2.0	82	5	30	3	X	X	GLDL
QUEEN CH.SOUND	M 2	51	35.6	129	18.5	82	5	30	4	X	X	GLDL
QUEEN CH.SOUND	M 3	51	35.6	129	18.5	82	5	30	4	X	X	GLDL
QUEEN CH.SOUND	M04	51	40.2	129	23.2	82	5	30	5	X	X	GLDL
QUEEN CH.SOUND	M05	51	44.5	129	28.0	82	5	30	6	X	X	GLDL
QUEEN CH.SOUND	M06	51	46.2	129	30.0	82	5	30	6	X	X	GLDL
QUEEN CH.SOUND	M07	51	48.3	129	32.1	82	5	30	7	X	X	GLDL
QUEEN CH.SOUND	M08	51	50.7	129	33.0	82	5	30	8	X	X	GLDL
QUEEN CH.SOUND	M09	51	53.0	129	38.7	82	5	30	8	X	X	GLDL
QUEEN CH.SOUND	M10	51	55.5	129	42.9	82	5	30	9	X	X	GLDL
QUEEN CH.SOUND	M11	51	57.6	129	46.0	82	5	30	9	X	X	GLDL
QUEEN CH.SOUND	M12	51	57.6	129	54.5	82	5	30	10	X	X	GLDL
QUEEN CH.SOUND	M13	51	57.6	130	2.5	82	5	30	11	X	X	GLDL
QUEEN CH.SOUND	M14	51	57.6	130	10.8	82	5	30	12	X	X	GLDL
QUEEN CH.SOUND	M15	51	57.8	130	18.5	82	5	30	12	X	X	GLDL
QUEEN CH.SOUND	M16	51	57.6	130	35.0	82	5	30	13	X	X	GLDL
QUEEN CH.SOUND	CMCL	51	45.5	130	34.1	82	5	30	16	X	X	GLDL
QUEEN CH.SOUND	CMCL	51	45.5	130	34.1	82	5	30	17	X	X	GLDL
QUEEN CH.SOUND	CO	51	35.5	128	55.0	82	5	31	4	X	X	GLDL
QUEEN CH.SOUND	GI1	51	37.5	128	47.0	82	5	31	5	X	X	GLDL
QUEEN CH.SOUND	GI2	51	39.4	128	41.0	82	5	31	6	X	X	GLDL
QUEEN CH.SOUND	GI3	51	40.5	128	36.9	82	5	31	6	X	X	GLDL
QUEEN CH.SOUND	GI4	51	41.0	128	33.0	82	5	31	7	X	X	GLDL
QUEEN CH.SOUND	GI5	51	42.8	128	28.7	82	5	31	8	X	X	GLDL
QUEEN CH.SOUND	GI6	51	43.6	128	24.0	82	5	31	8	X	X	GLDL
QUEEN CH.SOUND	GI7	51	44.6	128	21.0	82	5	31	9	X	X	GLDL
QUEEN CH.SOUND	GI8	51	45.3	128	18.5	82	5	31	9	X	X	GLDL
QUEEN CH.SOUND	CO0	51	35.3	128	54.7	82	6	1	0	X	X	GLDL
QUEEN CH.SOUND	CO1	51	34.0	128	54.7	82	6	1	1	X	X	GLDL
QUEEN CH.SOUND	CO2	51	32.8	128	54.7	82	6	1	1	X	X	GLDL
QUEEN CH.SOUND	CO3	51	31.2	128	54.7	82	6	1	1	X	X	GLDL
QUEEN CH.SOUND	CO4	51	30.0	128	54.7	82	6	1	1	X	X	GLDL
QUEEN CH.SOUND	CO5	51	28.0	128	54.7	82	6	1	2	X	X	GLDL
QUEEN CH.SOUND	CO6	51	26.2	128	54.7	82	6	1	2	X	X	GLDL
QUEEN CH.SOUND	G07	51	24.5	128	54.7	82	6	1	2	X	X	GLDL
QUEEN CH.SOUND	CO8	51	23.0	128	54.7	82	6	1	3	X	X	GLDL
QUEEN CH.SOUND	C 10	51	18.4	128	53.4	82	6	1	3	X	X	GLDL
QUEEN CH.SOUND	C 11	51	15.5	128	52.0	82	6	1	4	X	X	GLDL
QUEEN CH.SOUND	C 12	51	12.8	128	50.5	82	6	1	4	X	X	GLDL
QUEEN CH.SOUND	C13	51	10.0	128	49.0	82	6	1	5	X	X	GLDL
QUEEN CH.SOUND	C14	51	7.6	128	47.7	82	6	1	5	X	X	GLDL
QUEEN CH.SOUND	C15	51	50.0	128	46.5	82	6	1	6	X	X	GLDL
QUEEN CH.SOUND	C16	51	2.5	128	44.6	82	6	1	6	X	X	GLDL
QUEEN CH.SOUND	C17	50	59.8	128	43.5	82	6	1	7	X	X	GLDL
QUEEN CH.SOUND	C18	50	55.2	128	37.6	82	6	1	8	X	X	GLDL
QUEEN CH.SOUND	C19	50	53.3	128	24.0	82	6	1	8	X	X	GLDL
QUEEN CH.SOUND	C20	50	51.5	128	32.3	82	6	1	9	X	X	GLDL
QUEEN CH.SOUND	C21	50	49.3	128	29.5	82	6	1	9	X	X	GLDL
QUEEN CH.SOUND	C22	50	48.1	128	27.5	82	6	1	10	X	X	GLDL

BOTTLE/CTD DATA SET NUMBER: 82-0052
YEAR: 1982 VESSEL/AGENCY: AMAX, DOBROCKY

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY	CAST TO HR	WATER DEPTH (M)	PARAM MEAS (M)	INSTR C	INT S	INT T	NO HR
ALICE ARM	17.5	55 26.00	129 40.05	82 1 17 23	230.0	X	X	GLDL			

ALICE ARM	AA	55 27.90	129 29.25	82 1 18 3	91.8	X	X GLDL
ALICE ARM	CC	55 26.69	129 31.80	82 1 18 2	256.8	X	X GLDL
ALICE ARM	EE	55 27.15	129 37.05	82 1 18 0	296.5	X	X GLDL
ALICE ARM	HH	55 24.75	129 40.75	82 1 17 23	76.6	X	X GLDL
ALICE ARM	OI-1	55 21.80	129 45.37	82 1 17 21	181.5	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 82-0053
YEAR:1982 VESSEL/AGENCY: AMAX,DOBROCKY

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						
ALICE ARM	17.5	55 26.00	129 40.05	82 3 7 23	196.8	X	X GLDL			
ALICE ARM	AA	55 27.90	129 29.25	82 3 8 5	91.9	X	X GLDL			
ALICE ARM	CC	55 26.69	129 31.80	82 3 8 3	272.0	X	X GLDL			
ALICE ARM	EE	55 27.15	129 37.05	82 3 8 0	346.3	X	X GLDL			
ALICE ARM	HH	55 24.75	129 40.75	82 3 7 22	82.0	X	X GLDL			
ALICE ARM	OI-1	55 21.80	129 45.37	82 3 7 21	192.5	X	X GLDL			

BOTTLE/CTD DATA SET NUMBER: 82-0054
YEAR:1982 VESSEL/AGENCY: AMAX,DOBROCKY

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						
ALICE ARM	17.5	55 26.00	129 40.05	82 5 13 20	215.2	X	X GLDL			
ALICE ARM	AA	55 27.90	129 29.25	82 5 14 0	91.4	X	X GLDL			
ALICE ARM	CC	55 26.69	129 31.80	82 5 13 23	246.8	X	X GLDL			
ALICE ARM	EE	55 27.15	129 37.05	82 5 13 21	350.8	X	X GLDL			
ALICE ARM	HH	55 24.75	129 40.75	82 5 13 19	83.3	X	X GLDL			
ALICE ARM	OI-1	55 21.80	129 45.37	82 5 13 18	191.5	X	X GLDL			

BOTTLE/CTD DATA SET NUMBER: 82-0055
YEAR:1982 VESSEL/AGENCY: AMAX,DOBROCKY

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						
ALICE ARM	17.5	55 26.00	129 40.05	82 7 7 19	216.6	X	X GLDL			
ALICE ARM	AA	55 27.90	129 29.25	82 7 7 23	92.1	X	X GLDL			
ALICE ARM	CC	55 26.69	129 31.80	82 7 8 2	251.6	X	X GLDL			
ALICE ARM	EE	55 27.15	129 37.05	82 7 7 20	346.2	X	X GLDL			
ALICE ARM	HH	55 24.75	129 40.75	82 7 7 18	76.9	X	X GLDL			
ALICE ARM	OI-1	55 21.80	129 45.37	82 7 7 17	181.7	X	X GLDL			

BOTTLE/CTD DATA SET NUMBER: 82-0056
YEAR:1982 VESSEL/AGENCY: AMAX,DOBROCKY

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			
ALICE ARM	17.5	55 26.00	129 40.05	82 9 15 19	226.7		X	X	GLDL	
ALICE ARM	AA	55 27.90	129 29.25	82 9 15 22	96.6		X	X	GLDL	
ALICE ARM	CC	55 26.69	129 31.80	82 9 15 21	251.6		X	X	GLDL	
ALICE ARM	EE	55 27.15	129 37.05	82 9 15 20	348.1		X	X	GLDL	
ALICE ARM	HH	55 24.75	129 40.75	82 9 15 18	86.7		X	X	GLDL	
ALICE ARM	OI-1	55 21.80	129 45.37	82 9 15 17	181.2		X	X	GLDL	

BOTTLE/CTD DATA SET NUMBER: 82-0057
YEAR:1982 VESSEL/AGENCY: AMAX,DOBROCKY

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			
ALICE ARM	17.5	55 26.00	129 40.05	82 12 10 1	201.6		X	X	GLDL	
ALICE ARM	AA	55 27.90	129 29.25	82 12 10 6	100.4		X	X	GLDL	
ALICE ARM	CC	55 26.69	129 31.80	82 12 10 5	236.5		X	X	GLDL	
ALICE ARM	EE	55 27.15	129 37.05	82 12 10 3	371.8		X	X	GLDL	
ALICE ARM	HH	55 24.75	129 40.75	82 12 10 0	76.3		X	X	GLDL	
ALICE ARM	OI-1	55 21.80	129 45.37	82 12 9 23	186.4		X	X	GLDL	

BOTTLE/CTD DATA SET NUMBER: 82-0059
YEAR:1982 VESSEL/AGENCY: AMAX,DOBROCKY

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			
ALICE ARM	17.5	55 26.00	129 40.05	82 2 13 21	197.8		X	X	GLDL	
ALICE ARM	AA	55 27.90	129 29.25	82 2 14 1	91.6		X	X	GLDL	
ALICE ARM	CC	55 26.69	129 31.80	82 2 13 23	222.1		X	X	GLDL	
ALICE ARM	EE	55 27.15	129 37.05	82 2 13 22	346.7		X	X	GLDL	
ALICE ARM	HH	55 24.75	129 40.75	82 2 13 20	72.0		X	X	GLDL	
ALICE ARM	OI-1	55 21.80	129 45.37	82 2 13 18	186.7		X	X	GLDL	

BOTTLE/CTD DATA SET NUMBER: 82-0060
YEAR:1982 VESSEL/AGENCY: AMAX,DOBROCKY

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			
ALICE ARM	17.5	55 26.00	129 40.05	82 4 16 22	181.8		X	X	GLDL	
ALICE ARM	AA	55 27.90	129 29.25	82 4 17 3	96.9		X	X	GLDL	
ALICE ARM	CC	55 26.69	129 31.80	82 4 17 0	246.8		X	X	GLDL	
ALICE ARM	EE	55 27.15	129 37.05	82 4 16 23	371.8		X	X	GLDL	
ALICE ARM	HH	55 24.75	129 40.75	82 4 16 21	79.3		X	X	GLDL	
ALICE ARM	OI-1	55 21.80	129 45.37	82 4 16 19	176.4		X	X	GLDL	

BOTTLE/CTD DATA SET NUMBER: 82-0061
 YEAR:1982 VESSEL/AGENCY: AMAX,DOBROCKY

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						

ALICE ARM	17.5	55 26.00	129 40.05	82 6 9 19	191.9	X	X	GLDL		
ALICE ARM	AA	55 27.90	129 29.25	82 6 9 22	91.9	X	X	GLDL		
ALICE ARM	CC	55 26.69	129 31.80	82 6 9 21	251.9	X	X	GLDL		
ALICE ARM	EE	55 27.15	129 37.05	82 6 9 20	347.3	X	X	GLDL		
ALICE ARM	HH	55 24.75	129 40.75	82 6 9 18	71.3	X	X	GLDL		
ALICE ARM	OI-1	55 21.80	129 45.37	82 6 9 17	192.0	X	X	GLDL		

BOTTLE/CTD DATA SET NUMBER: 82-0062
 YEAR:1982 VESSEL/AGENCY: AMAX,DOBROCKY

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						

ALICE ARM	17.5	55 26.00	129 40.05	82 8 7 2	217.1	X	X	GLDL		
ALICE ARM	AA	55 27.90	129 29.25	82 8 6 23	92.1	X	X	GLDL		
ALICE ARM	CC	55 26.69	129 31.80	82 8 7 5	247.1	X	X	GLDL		
ALICE ARM	EE	55 27.15	129 37.05	82 8 7 3	357.3	X	X	GLDL		
ALICE ARM	HH	55 24.75	129 40.75	82 8 6 21	77.1	X	X	GLDL		
ALICE ARM	OI-1	55 21.80	129 45.37	82 8 6 20	186.9	X	X	GLDL		

BOTTLE/CTD DATA SET NUMBER: 82-0063
 YEAR:1982 VESSEL/AGENCY: AMAX,DOBROCKY

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						

ALICE ARM	17.5	55 26.00	129 40.05	82 10 14 20	217.5	X	X	GLDL		
ALICE ARM	AA	55 27.90	129 29.25	82 10 15 4	96.7	X	X	GLDL		
ALICE ARM	CC	55 26.69	129 31.80	82 10 15 3	256.8	X	X	GLDL		
ALICE ARM	EE	55 27.15	129 37.05	82 10 14 21	367.8	X	X	GLDL		
ALICE ARM	HH	55 24.75	129 40.75	82 10 14 20	78.2	X	X	GLDL		
ALICE ARM	OI-1	55 21.80	129 45.37	82 10 14 18	187.7	X	X	GLDL		

BOTTLE/CTD DATA SET NUMBER: 82-0064
 YEAR:1982 VESSEL/AGENCY: EPS

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						

ALICE ARM	E-7	55 27.4	129 29.57	82 04 2 21		X	X	PLES		
ALICE ARM	E-7	55 27.9	129 29.57	82 04 4 4		X	X	PLES		
ALICE ARM	F-6	55 27.8	129 29.40	82 04 3 2		X	X	PLES		
ALICE ARM	F-6	55 27.8	129 29.40	82 04 4 3		X	X	PLES		
ALICE ARM	G-5	55 27.7	129 29.33	82 04 3 1		X	X	PLES		
ALICE ARM	G-5	55 27.7	129 29.33	82 04 4 3		X	X	PLES		
ALICE ARM	M-9	55 27.1	129 29.92	82 04 3 3		X	X	PLES		
ALICE ARM	N-8	55 27.0	129 29.75	82 04 3 3		X	X	PLES		

ALICE ARM	N-8	55 27.0	129 29.84	82 04	4 2		X	X PLES
ALICE ARM	N-9	55 27.1	129 29.90	82 04	3 19		X	X PLES
ALICE ARM	L-10	55 27.2	129 30.10	82 04	3 4		X	X PLES
ALICE ARM	L-10	55 27.2	129 30.10	82 04	3 19		X	X PLES
ALICE ARM	M-12	55 27.1	129 30.42	82 04	4 6		X	X PLES
ALICE ARM	M-40	55 27.1	129 35.38	82 04	4 5		X	X PLES
ALICE ARM	M-49	55 27.1	129 39.95	82 04	3 23		X	X PLES
ALICE ARM	N-11	55 27.0	129 30.28	82 04	4 6		X	X PLES
ALICE ARM	N-14	55 27.0	129 30.78	82 04	4 2		X	X PLES
ALICE ARM	N-14	55 27.0	129 30.82	82 04	3 14		X	X PLES
ALICE ARM	O-10	55 26.87	129 30.50	82 04	4 5		X	X PLES
ALICE ARM	O-13	55 26.9	129 30.60	82 04	3 4		X	X PLES
ALICE ARM	O-13	55 26.9	129 30.60	82 04	4 2		X	X PLES
ALICE ARM	O-20	55 26.9	129 31.87	82 04	4 0		X	X PLES
ALICE ARM	O-32	55 26.9	129 33.98	82 04	4 4		X	X PLES
ALICE ARM	P-12	55 26.8	129 30.44	82 04	3 5		X	X PLES
ALICE ARM	P-12	55 26.8	129 30.44	82 04	4 1		X	X PLES
ALICE ARM	Q-20	55 26.7	129 31.87	82 04	3 23		X	X PLES
ALICE ARM	R-64	55 26.6	129 39.55	82 04	3 22		X	X PLES
ALICE ARM	S-20	55 26.5	129 31.87	82 04	3 5		X	X PLES
ALICE ARM	S-20	55 26.5	129 31.87	82 04	3 23		X	X PLES
ALICE ARM	T-64	55 26.4	129 39.55	82 04	3 22		X	X PLES
ALICE ARM	V-64	55 26.3	129 39.60	82 04	3 22		X	X PLES
ALICE ARM	B1-68	55 26.6	129 40.30	82 04	3 21		X	X PLES
ALICE ARM	FI-67	55 25.7	129 40.10	82 04	3 21		X	X PLES
ALICE ARM	GI-69	55 25.5	129 40.25	82 04	3 20		X	X PLES
ALICE ARM	KI-70	55 24.7	129 40.60	82 04	3 20		X	X PLES

BOTTLE/CTD DATA SET NUMBER: 82-0065
YEAR:1982 VESSEL/AGENCY: EPS

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				C	S	T
MASSETT INLET	5	53 41.3	132 12.5	82 04 22 17				X	X	PLES
MASSETT INLET	5	53 41.3	132 12.5	82 04 22 17				X	X	PLES
MASSETT INLET	6	53 40.7	132 14.7	82 04 22 16				X	X	PLES
MASSETT INLET	7	53 40.7	132 14.7	82 04 22 7				X	X	PLES
MASSETT INLET	8	53 41.9	132 15.4	82 04 22 6				X	X	PLES
MASSETT INLET	8	53 41.9	132 17.1	82 04 22 6				X	X	PLES
MASSETT INLET	8	53 42.0	132 15.2	82 04 24 16				X	X	PLES
MASSETT INLET	9	53 43.4	132 13.0	82 04 22 18				X	X	PLES
MASSETT INLET	10	53 43.7	132 15.7	82 04 24 18				X	X	PLES
MASSETT INLET	10	53 43.7	132 15.8	82 04 22 5				X	X	PLES
MASSETT INLET	11	53 42.5	132 21.4	82 04 22 0				X	X	PLES
MASSETT INLET	12	53 41.4	132 25.2	82 04 24 17				X	X	PLES
MASSETT INLET	12	53 41.4	132 25.2	82 04 24 17				X	X	PLES
MASSETT INLET	12	53 41.4	132 26.5	82 04 22 2				X	X	PLES
MASSETT INLET	13	53 41.2	132 31.7	82 04 21 16				X	X	PLES
MASSETT INLET	14	53 44.6	132 20.7	82 04 22 4				X	X	PLES
PORPOISE HBR	P18	54 14.25	130 18.40	82 04 22 19				X	X	PLES
PORPOISE HBR	P20	54 12.10	130 18.30	82 04 22 19				X	X	PLES
PORPOISE HBR	PH1	54 14.55	130 18.34	82 04 22 19				X	X	PLES
PORPOISE HBR	PH2	54 12.51	130 17.72	82 04 22 19				X	X	PLES
PORPOISE HBR	PH3	54 13.90	130 18.05	82 04 22 19				X	X	PLES

BOTTLE/CTD DATA SET NUMBER: 82-0066
YEAR:1982 VESSEL/AGENCY: EPS

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				C	S	T
ALICE ARM	G-5	55 27.7	129 29.30	82 07 12 7				X	X	PLES
ALICE ARM	M-9	55 27.1	129 29.90	82 07 12 1				X	X	PLES
ALICE ARM	M-9	55 27.1	129 29.92	82 07 9 3				X	X	PLES
ALICE ARM	M-9	55 27.1	129 29.92	82 07 9 3				X	X	PLES
ALICE ARM	M-9	55 27.1	129 29.92	82 07 11 7				X	X	PLES

ALICE ARM	M-9	55 27.1	129 29.92	82 07 13 6	X	X PLES
ALICE ARM	N-8	55 27.0	129 29.38	82 07 9 6	X	X PLES
ALICE ARM	N-8	55 27.0	129 29.38	82 07 9 7	X	X PLES
ALICE ARM	N-8	55 27.0	129 29.38	82 07 9 7	X	X PLES
ALICE ARM	N-8	55 27.0	129 29.38	82 07 9 8	X	X PLES
ALICE ARM	N-8	55 27.0	129 29.75	82 07 9 3	X	X PLES
ALICE ARM	N-8	55 27.0	129 29.75	82 07 13 6	X	X PLES
ALICE ARM	N-8	55 27.0	129 29.80	82 07 11 8	X	X PLES
ALICE ARM	N-8	55 27.0	129 29.80	82 07 12 1	X	X PLES
ALICE ARM	K-49	55 27.3	129 36.95	82 07 11 4	X	X PLES
ALICE ARM	K-49	55 27.3	129 36.95	82 07 12 22	X	X PLES
ALICE ARM	L-10	55 27.2	129 30.18	82 07 9 3	X	X PLES
ALICE ARM	L-10	55 27.2	129 30.18	82 07 11 7	X	X PLES
ALICE ARM	L-10	55 27.2	129 30.18	82 07 12 1	X	X PLES
ALICE ARM	L-10	55 27.2	129 30.18	82 07 13 6	X	X PLES
ALICE ARM	L-32	55 27.2	129 33.98	82 07 11 4	X	X PLES
ALICE ARM	L-32	55 27.2	129 33.98	82 07 12 23	X	X PLES
ALICE ARM	M-12	55 27.1	129 30.42	82 07 9 4	X	X PLES
ALICE ARM	M-40	55 27.1	129 35.38	82 07 11 4	X	X PLES
ALICE ARM	M-49	55 27.1	129 36.95	82 07 11 3	X	X PLES
ALICE ARM	N-11	55 27.0	129 30.28	82 07 9 4	X	X PLES
ALICE ARM	N-14	55 27.0	129 30.82	82 07 11 6	X	X PLES
ALICE ARM	N-14	55 27.0	129 30.82	82 07 12 2	X	X PLES
ALICE ARM	N-14	55 27.0	129 30.82	82 07 13 5	X	X PLES
ALICE ARM	O-10	55 26.87	129 30.50	82 07 9 5	X	X PLES
ALICE ARM	O-13	55 26.9	129 30.60	82 07 12 2	X	X PLES
ALICE ARM	O-13	55 26.9	129 30.65	82 07 11 7	X	X PLES
ALICE ARM	O-13	55 26.9	129 30.65	82 07 13 5	X	X PLES
ALICE ARM	O-13	55 29.90	129 30.60	82 07 9 6	X	X PLES
ALICE ARM	O-20	55 26.9	129 31.78	82 07 11 6	X	X PLES
ALICE ARM	O-20	55 26.9	129 31.78	82 07 13 1	X	X PLES
ALICE ARM	O-32	55 26.9	129 33.98	82 07 11 5	X	X PLES
ALICE ARM	O-32	55 26.9	129 33.98	82 07 12 23	X	X PLES
ALICE ARM	O-49	55 26.9	129 36.95	82 07 11 3	X	X PLES
ALICE ARM	O-49	55 26.9	129 36.95	82 07 12 22	X	X PLES
ALICE ARM	P-12	55 29.9	129 30.44	82 07 11 7	X	X PLES
ALICE ARM	P-12	55 29.9	129 30.44	82 07 12 2	X	X PLES
ALICE ARM	P-12	55 29.9	129 30.44	82 07 13 5	X	X PLES
ALICE ARM	P-12	55 29.90	129 30.44	82 07 9 5	X	X PLES
ALICE ARM	Q-20	55 26.7	129 31.78	82 07 11 6	X	X PLES
ALICE ARM	Q-20	55 26.7	129 31.78	82 07 13 1	X	X PLES
ALICE ARM	Q-20	55 26.7	129 31.78	82 07 13 3	X	X PLES
ALICE ARM	Q-20	55 26.7	129 31.78	82 07 13 4	X	X PLES
ALICE ARM	Q-20	55 26.7	129 31.78	82 07 13 4	X	X PLES
ALICE ARM	Q-20	55 26.7	129 31.78	82 07 13 4	X	X PLES
ALICE ARM	Q-20	55 26.7	129 31.85	82 07 12 3	X	X PLES
ALICE ARM	Q-20	55 26.70	129 31.85	82 07 9 6	X	X PLES
ALICE ARM	Q-26			82 07 10 19	X	X PLES
ALICE ARM	R-32	55 26.6	129 33.98	82 07 11 5	X	X PLES
ALICE ARM	R-32	55 26.6	129 33.98	82 07 12 22	X	X PLES
ALICE ARM	S-20	55 26.5	129 31.78	82 07 11 5	X	X PLES
ALICE ARM	S-20	55 26.5	129 31.78	82 07 13 5	X	X PLES
ALICE ARM	T-64	55 26.4	129 39.55	82 07 11 2	X	X PLES
ALICE ARM	T-64	55 26.4	129 39.55	82 07 12 21	X	X PLES
ALICE ARM	B1-68	55 25.6	129 40.30	82 07 11 2	X	X PLES
ALICE ARM	B1-68	55 25.6	129 40.30	82 07 12 21	X	X PLES
ALICE ARM	F1-67	55 25.1	129 40.1	82 07 11 1	X	X PLES
ALICE ARM	K1-70	55 24.7	129 40.6	82 07 11 1	X	X PLES
ALICE ARM	K1-70	55 24.7	129 40.60	82 07 12 20	X	X PLES

BOTTLE/CTD DATA SET NUMBER: 82-0067
YEAR: 1982 VESSEL/AGENCY: EPS

AREA	STN	LAT	LON	DATE	CAST	WATER	PARAM	INSTR	INT	NO
		DEG MIN	DEG MIN	YR MO DY HR	TO	DEPTH	MEAS	HR	(M)	C S T
ALICE ARM	G-5	55 27.7	129 29.33	82 10 1 22				X	X PLES	
ALICE ARM	G-5	55 27.7	129 29.33	82 10 1 23				X	X PLES	
ALICE ARM	L-9			82 09 30 23				X	X PLES	
ALICE ARM	M-8			82 09 30 23				X	X PLES	
ALICE ARM	M-9	55 27.1	129 29.90	82 10 2 0				X	X PLES	
ALICE ARM	M-9	55 27.1	129 29.90	82 10 2 1				X	X PLES	
ALICE ARM	N-7			82 09 25 17				X	X PLES	
ALICE ARM	N-7			82 09 31 0				X	X PLES	
ALICE ARM	N-8	55 27.02	129 29.82	82 10 2 1				X	X PLES	

ALICE ARM	AA-1		82 09 27 17	X	X PLES	
ALICE ARM	AA-2		82 09 27 15	X	X PLES	
ALICE ARM	AA-3		82 09 27 1	X	X PLES	
ALICE ARM	AA-4		82 09 26 17	X	X PLES	
ALICE ARM	AA-4		82 09 26 19	X	X PLES	
ALICE ARM	AA-5		82 09 26 16	X	X PLES	
ALICE ARM	DI-2		82 09 29 3	X	X PLES	
ALICE ARM	GR-1		82 09 28 15	X	X PLES	
ALICE ARM	HA-3	55 27.0	129 43.9	82 09 27 23	X	X PLES
ALICE ARM	HA-5			82 09 27 7	X	X PLES
ALICE ARM	L-10	55 27.2	129 30.10	82 10 2 0	X	X PLES
ALICE ARM	L-10	55 27.2	129 30.10	82 10 2 4	X	X PLES
ALICE ARM	M-11		82 09 31 0	X	X PLES	
ALICE ARM	N-10		82 09 30 23	X	X PLES	
ALICE ARM	N-14		82 09 30 23	X	X PLES	
ALICE ARM	N-14	55 27.0	129 30.78	82 10 2 2	X	X PLES
ALICE ARM	O-13		82 09 30 22	X	X PLES	
ALICE ARM	O-13	55 26.9	129 30.60	82 10 2 3	X	X PLES
ALICE ARM	O-16		82 09 30 21	X	X PLES	
ALICE ARM	O-19		82 09 30 18	X	X PLES	
ALICE ARM	O-20	55 26.9	129 31.87	82 10 2 3	X	X PLES
ALICE ARM	OB-2		82 09 29 0	X	X PLES	
ALICE ARM	OB-2		82 09 30 22	X	X PLES	
ALICE ARM	OB-4		82 09 28 20	X	X PLES	
ALICE ARM	OB-6		82 09 28 16	X	X PLES	
ALICE ARM	P-12	26.8	30.44	82 09 30 21	X	X PLES
ALICE ARM	P-12	55 26.8	129 30.44	82 10 2 3	X	X PLES
ALICE ARM	P-16		82 09 30 21	X	X PLES	
ALICE ARM	P-19		82 09 30 18	X	X PLES	
ALICE ARM	PI-2		82 09 30 22	X	X PLES	
ALICE ARM	Q-16		82 09 30 19	X	X PLES	
ALICE ARM	Q-16		82 09 30 20	X	X PLES	
ALICE ARM	Q-16		82 09 30 21	X	X PLES	
ALICE ARM	Q-19	55 26.70	129 31.66	82 09 30 18	X	X PLES
ALICE ARM	Q-20	55 26.7	129 31.87	82 10 2 4	X	X PLES
ALICE ARM	R-16		82 09 30 19	X	X PLES	
ALICE ARM	R-19		82 09 30 18	X	X PLES	
ALICE ARM	R-64	55 26.6	129 39.55	82 10 3 3	X	X PLES
ALICE ARM	S-19		82 09 30 17	X	X PLES	
ALICE ARM	S-20	55 26.5	129 31.87	82 10 2 4	X	X PLES
ALICE ARM	T-64	55 26.4	129 39.55	82 10 3 3	X	X PLES
ALICE ARM	V-64	55 26.3	129 39.55	82 10 3 2	X	X PLES
ALICE ARM	KI-70	55 24.7	129 40.60	82 10 3 2	X	X PLES

BOTTLE/CTD DATA SET NUMBER: 82-0068
YEAR: 1982 VESSEL/AGENCY: IOS, ENDEAVOUR

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			
QUEEN CH-SOUND	Q09	52 06.5	130 38.6	82 09 18 16	225	X	X	GLDL		
QUEEN CH-SOUND	Q09	52 06.5	130 38.6	82 09 18 19	231	X	X	GLDL		
QUEEN CH-SOUND	Q06	51 52.0	130 28.0	82 09 18 21	295	X	X	GLDL		
QUEEN CH-SOUND	Q06	51 57.3	130 58.3	82 09 19 1	110	X	X	GLDL		
QUEEN CH-SOUND	M18	51 57.3	130 55.3	82 09 19 1	125	X	X	GLDL		
QUEEN CH-SOUND	M17	51 57.3	130 50.3	82 09 19 2	195	X	X	GLDL		
QUEEN CH-SOUND	M16	51 57.3	130 35.0	82 09 19 3	335	X	X	GLDL		
QUEEN CH-SOUND	M15	51 57.4	130 18.3	82 09 19 4	300	X	X	GLDL		
QUEEN CH-SOUND	M14	51 57.3	130 10.4	82 09 19 5	175	X	X	GLDL		
QUEEN CH-SOUND	M13	51 57.3	130 02.3	82 09 19 5	135	X	X	GLDL		
QUEEN CH-SOUND	Q11	51 50.4	128 33.6	82 09 19 17	133	X	X	GLDL		
QUEEN CH-SOUND	GI8	51 46.0	128 16.0	82 09 19 18	115	X	X	GLDL		
QUEEN CH-SOUND	GI07	51 44.4	128 20.4	82 09 19 19	145	X	X	GLDL		
QUEEN CH-SOUND	GI06	51 43.4	128 24.3	82 09 19 20	145	X	X	GLDL		
QUEEN CH-SOUND	GI05	51 42.4	128 28.3	82 09 19 20	140	X	X	GLDL		
QUEEN CH-SOUND	GI04	51 41.0	128 34.0	82 09 19 21	125	X	X	GLDL		
QUEEN CH-SOUND	GI03	51 40.3	128 36.4	82 09 19 21	40	X	X	GLDL		
QUEEN CH-SOUND	GI02	51 39.2	128 40.4	82 09 19 23	40	X	X	GLDL		
QUEEN CH-SOUND	GI01	51 37.3	128 46.4	82 09 20 0	40	X	X	GLDL		
QUEEN CH-SOUND	QC00	51 35.3	128 54.4	82 09 20 0	35	X	X	GLDL		
QUEEN CH-SOUND	C1	51 34.0	128 54.4	82 09 20 1	45	X	X	GLDL		
QUEEN CH-SOUND	C2	51 32.4	128 54.4	82 09 20 1	45	X	X	GLDL		
QUEEN CH-SOUND	C3	51 31.1	128 54.4	82 09 20 1	45	X	X	GLDL		
QUEEN CH-SOUND	C4	51 30.0	128 54.4	82 09 20 1	45	X	X	GLDL		
QUEEN CH-SOUND	C5	51 28.0	128 54.4	82 09 20 2	90	X	X	GLDL		

QUEEN CH.SOUND C6	51 26.1	128 54.4	82 09 20 2	150	X	X GLDL
QUEEN CH.SOUND C7	51 24.4	128 54.4	82 09 20 2	190	X	X GLDL
QUEEN CH.SOUND C8	51 23.0	128 54.4	82 09 20 3	215	X	X GLDL
QUEEN CH.SOUND C9	51 21.0	128 54.4	82 09 20 3	225	X	X GLDL
QUEEN CH.SOUND C10	51 18.2	128 53.2	82 09 20 3	225	X	X GLDL
QUEEN CH.SOUND C11	51 15.3	128 52.0	82 09 20 4	220	X	X GLDL
QUEEN CH.SOUND C12	51 12.4	128 50.3	82 09 20 4	130	X	X GLDL
QUEEN CH.SOUND C13	51 10.0	128 49.0	82 09 20 5	100	X	X GLDL
QUEEN CH.SOUND C14	51 07.3	128 47.4	82 09 20 5	90	X	X GLDL
QUEEN CH.SOUND C15	51 05.0	128 46.3	82 09 20 6	65	X	X GLDL
QUEEN CH.SOUND C16	51 02.3	128 44.4	82 09 20 6	59	X	X GLDL
QUEEN CH.SOUND C17	50 59.4	128 43.3	82 09 20 6	65	X	X GLDL
QUEEN CH.SOUND C17A	50 57.3	128 41.0	82 09 20 7	65	X	X GLDL
QUEEN CH.SOUND C18	50 55.1	128 37.3	82 09 20 7	65	X	X GLDL
QUEEN CH.SOUND C19	50 53.2	128 34.5	82 09 20 8	60	X	X GLDL
QUEEN CH.SOUND C20	50 51.3	128 32.2	82 09 20 8	55	X	X GLDL
QUEEN CH.SOUND C21	50 49.1	128 29.1	82 09 20 9	45	X	X GLDL
QUEEN CH.SOUND C22	50 48.1	128 27.3	82 09 20 9	30	X	X GLDL
QUEEN CH.SOUND W01	51 11.3	129 30.2	82 09 20 18	287	X	X GLDL
QUEEN CH.SOUND M12	51 57.3	129 54.3	82 09 21 0	129	X	X GLDL
QUEEN CH.SOUND M11	51 57.3	129 46.0	82 09 21 0	130	X	X GLDL
QUEEN CH.SOUND M10	51 55.3	129 42.3	82 09 21 1	196	X	X GLDL
QUEEN CH.SOUND M09	51 53.0	129 38.4	82 09 21 1	249	X	X GLDL
QUEEN CH.SOUND M08	51 50.4	129 34.0	82 09 21 2	269	X	X GLDL
QUEEN CH.SOUND M07	51 48.0	129 32.0	82 09 21 2	247	X	X GLDL
QUEEN CH.SOUND M06	51 46.1	129 30.0	82 09 21 3	133	X	X GLDL
QUEEN CH.SOUND M05	51 44.3	129 28.0	82 09 21 3	81	X	X GLDL
QUEEN CH.SOUND M05	51 44.3	129 28.0	82 09 21 3	79	X	X GLDL
QUEEN CH.SOUND M04	51 40.1	129 23.1	82 09 21 4	59	X	X GLDL
QUEEN CH.SOUND M03	51 35.3	129 18.3	82 09 21 4	55	X	X GLDL
QUEEN CH.SOUND M2	51 35.3	129 10.0	82 09 21 5	43	X	X GLDL
QUEEN CH.SOUND M1	51 35.3	129 02.0	82 09 21 6	35	X	X GLDL
QUEEN CH.SOUND C0	51 35.3	128 54.4	82 09 21 6	45	X	X GLDL
QUEEN CH.SOUND C1	51 34.0	128 54.4	82 09 21 7	45	X	X GLDL
QUEEN CH.SOUND C2	51 32.4	128 54.4	82 09 21 7	43	X	X GLDL
QUEEN CH.SOUND C3	51 31.1	128 54.4	82 09 21 7	45	X	X GLDL
QUEEN CH.SOUND C4	51 30.0	128 54.4	82 09 21 8	45	X	X GLDL
QUEEN CH.SOUND C5	51 28.0	128 54.4	82 09 21 8	90	X	X GLDL
QUEEN CH.SOUND C6	51 26.1	128 54.4	82 09 21 8	145	X	X GLDL
QUEEN CH.SOUND C7	51 24.4	128 54.4	82 09 21 8	190	X	X GLDL
QUEEN CH.SOUND C8	51 23.0	128 54.4	82 09 21 9	210	X	X GLDL
QUEEN CH.SOUND C9	51 21.0	128 54.4	82 09 21 9	230	X	X GLDL
QUEEN CH.SOUND C9	51 21.0	128 54.4	82 09 21 9	230	X	X GLDL
QUEEN CH.SOUND C10	51 18.2	128 53.2	82 09 21 10	220	X	X GLDL
QUEEN CH.SOUND C11	51 15.3	128 52.0	82 09 21 10	180	X	X GLDL
QUEEN CH.SOUND C12	51 12.4	128 50.3	82 09 21 11	120	X	X GLDL
QUEEN CH.SOUND C13	51 10.0	128 49.0	82 09 21 11	110	X	X GLDL
QUEEN CH.SOUND C14	51 07.3	128 47.4	82 09 21 12	90	X	X GLDL
QUEEN CH.SOUND C15	51 05.0	128 46.3	82 09 21 12	63	X	X GLDL
QUEEN CH.SOUND C16	51 02.3	128 44.4	82 09 21 12	60	X	X GLDL
QUEEN CH.SOUND C17	50 59.4	128 43.3	82 09 21 13	67	X	X GLDL
QUEEN CH.SOUND C17A	50 57.3	128 41.0	82 09 21 13	65	X	X GLDL
QUEEN CH.SOUND C18	50 55.1	128 37.3	82 09 21 13	75	X	X GLDL
QUEEN CH.SOUND C19	50 53.1	128 34.4	82 09 21 14	84	X	X GLDL
QUEEN CH.SOUND C20	50 51.3	128 32.1	82 09 21 14	47	X	X GLDL
QUEEN CH.SOUND C21	50 49.1	128 29.1	82 09 21 14	60	X	X GLDL
QUEEN CH.SOUND C22	50 48.0	128 27.3	82 09 21 15	68	X	X GLDL
QUEEN CH.SOUND C09	51 21.0	128 54.4	82 09 21 22	235	X	X GLDL
QUEEN CH.SOUND C08	51 23.0	128 54.4	82 09 21 22	223	X	X GLDL
QUEEN CH.SOUND C07	51 24.4	128 54.4	82 09 21 22	197	X	X GLDL
QUEEN CH.SOUND C06	51 26.1	128 54.4	82 09 21 23	156	X	X GLDL
QUEEN CH.SOUND C05	51 28.0	128 54.4	82 09 21 23	99	X	X GLDL
QUEEN CH.SOUND C04	51 30.0	128 54.4	82 09 21 23	46	X	X GLDL
QUEEN CH.SOUND C51	51 31.1	128 54.4	82 09 22 0	49	X	X GLDL
QUEEN CH.SOUND C02	51 32.4	128 54.4	82 09 22 0	48	X	X GLDL
QUEEN CH.SOUND C01	51 34.0	128 54.4	82 09 22 0	45	X	X GLDL
QUEEN CH.SOUND C00	51 35.3	128 54.4	82 09 22 1	45	X	X GLDL
QUEEN CH.SOUND C06	51 26.2	128 54.4	82 09 22 1	99	X	X GLDL
QUEEN CH.SOUND C05	51 28.0	128 54.4	82 09 22 2	79	X	X GLDL
QUEEN CH.SOUND C04	51 30.0	128 54.4	82 09 22 2	44	X	X GLDL
QUEEN CH.SOUND C03	51 31.1	128 54.4	82 09 22 2	45	X	X GLDL
QUEEN CH.SOUND C02	51 32.4	128 54.4	82 09 22 3	47	X	X GLDL
QUEEN CH.SOUND C01	51 34.0	128 54.4	82 09 22 3	45	X	X GLDL
QUEEN CH.SOUND C00	51 35.3	128 54.4	82 09 22 3	43	X	X GLDL
QUEEN CH.SOUND C06	51 26.2	128 54.4	82 09 22 4	79	X	X GLDL
QUEEN CH.SOUND C06	51 26.2	128 54.4	82 09 22 5	79	X	X GLDL
QUEEN CH.SOUND C04	51 30.0	128 54.4	82 09 22 6	44	X	X GLDL
QUEEN CH.SOUND C04	51 30.0	128 54.4	82 09 22 6	43	X	X GLDL
QUEEN CH.SOUND C02	51 32.4	128 54.4	82 09 22 7	42	X	X GLDL
QUEEN CH.SOUND C01	51 34.0	128 54.4	82 09 22 7	45	X	X GLDL
QUEEN CH.SOUND C00	51 35.3	128 54.4	82 09 22 7	43	X	X GLDL
QUEEN CH.SOUND C00	51 35.3	128 54.4	82 09 22 7	43	X	X GLDL
QUEEN CH.SOUND C00	51 35.3	128 54.4	82 09 22 7	43	X	X GLDL

QUEEN CH-SOUND C04	51 30.0	128 54.4	82 09 22 6	43 X	X GLDL
QUEEN CH-SOUND C04	51 30.0	128 54.4	82 09 22 6	43 X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 83-0002A
YEAR:1983 VESSEL/AGENCY: IOS,ENDEAVOUR

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					

Q.CHARLOTTE SD	34	50 59.5	128 47.6	83 07 02		X	X	GLDL	
Q.CHARLOTTE SD	40	51 15.6	129 22.3	83 07 02		X	X	GLDL	
Q.CHARLOTTE SD	43	51 27.4	129 04.4	83 07 03		X	X	GLDL	
Q.CHARLOTTE SD	50	51 09.9	128 24.9	83 07 03		X	X	GLDL	
Q.CHARLOTTE SD	55	51 01.6	128 26.0	83 07 03		X	X	GLDL	
Q.CHARLOTTE ST	62	50 49.5	127 27.0	83 07 04		X	X	GLDL	
Q.CHARLOTTE SD	73	52 03.4	129 42.8	83 07 05		X	X	GLDL	
HECATE STRAIT	79	53 19.2	130 13.1	83 07 05		X	X	GLDL	
HECATE STRAIT	92	53 19.2	131 02.8	83 07 06		X	X	GLDL	
HECATE STRAIT	94	53 11.6	131 00.3	83 07 06		X	X	GLDL	
HECATE STRAIT	96	53 13.2	131 02.8	83 07 06		X	X	GLDL	1 24
DIXON ENTRANCE	U1	54 24.0	133 47.0	83 07 11		X	X	GLDL	
HECATE STRAIT	101	53 11.5	131 13.6	83 07 07		X	X	GLDL	1 24

BOTTLE/CTD DATA SET NUMBER: 83-0002B
YEAR:1983 VESSEL/AGENCY: IOS,ENDEAVOUR

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					

DIXON ENTRANCE	Q27	54 18.5	132 48.8	83 7 11 17		X	X	GLDL	
Q. CHARLOTTES	Q28	54 19.0	133 3.2	83 7 11 18		X	X	GLDL	
DIXON ENTRANCE	Q40	54 17.7	132 33.5	83 7 11 15		X	X	GLDL	
DIXON ENTRANCE	Q46	54 34.2	132 31.3	83 7 11 12		X	X	GLDL	
DIXON ENTRANCE	Q47	54 29.4	132 32.0	83 7 11 13		X	X	GLDL	
DIXON ENTRANCE	Q48	54 24.0	132 32.6	83 7 11 14		X	X	GLDL	
DIXON ENTRANCE	Q53	54 38.4	132 31.0	83 7 11 11		X	X	GLDL	
DIXON ENTRANCE	Q54	54 38.4	132 18.0	83 7 11 10		X	X	GLDL	
DIXON ENTRANCE	Q55	54 38.4	132 6.5	83 7 11 9		X	X	GLDL	
DIXON ENTRANCE	Q56	54 34.3	132 6.5	83 7 11 9		X	X	GLDL	
DIXON ENTRANCE	Q57	54 28.8	132 6.5	83 7 11 8		X	X	GLDL	
DIXON ENTRANCE	Q58	54 23.3	132 6.5	83 7 11 7		X	X	GLDL	
DIXON ENTRANCE	Q59	54 11.7	132 6.5	83 7 11 6		X	X	GLDL	
DIXON ENTRANCE	Q60	54 10.2	132 6.5	83 7 11 5		X	X	GLDL	
DIXON ENTRANCE	Q61	54 22.0	131 19.0	83 7 11 2		X	X	GLDL	
DIXON ENTRANCE	Q62	54 15.3	131 46.0	83 7 11 3		X	X	GLDL	
DIXON ENTRANCE	Q63	54 11.0	132 34.5	83 7 11 15		X	X	GLDL	

BOTTLE/CTD DATA SET NUMBER: 83-0003A
YEAR:1983 VESSEL/AGENCY: VECTOR

AREA	STN	LAT	LON	DATE	CAST	WATER	PARAM	INSTR	INT NO
		DEG MIN	DEG MIN	YR MO DY HR	TO	DEPTH	MEAS	HR	

ALICE ARM	A-1	55 28.20	129 29.00	83 07 09		X	X		
ALICE ARM	A-5	55 26.75	129 31.00	83 07 09		X	X		
LAMA PASSAGE	C-1	52 00.54	128 06.55	83 07 08		X	X		
TOLMIE CHANNEL	C-2	52 52.85	128 31.65	83 07 08		X	X		
HASTINGS ARM	H-1	55 36.80	129 48.00	83 07 11		X	X		
GRANBY BAY	H-6	55 24.60	129 48.60	83 07 11		X	X		

ALICE ARM A-12 55 24.80 129 40.70 83 07 10

X X

BOTTLE/CTD DATA SET NUMBER: 83-0003B
YEAR:1983 VESSEL/AGENCY: EPS, VECTOR

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST WATER PARAM TO DEPTH MEAS (M) (M)	INSTR INT NO C S T
ALICE ARM	B-3	55 28.2	129 28.9	83 07 10 1		X X PLES
TOLMIE CHANNEL	C-2			83 07 8 22		X X PLES
ALICE ARM	G-5	55 27.7	129 29.2	83 07 10 19		X X PLES
ALICE ARM	M-9	55 27.1	129 29.9	83 07 10 0		X X PLES
ALICE ARM	M-9	55 27.1	129 29.9	83 07 10 17		X X PLES
ALICE ARM	M-9	55 27.9	129 29.9	83 07 10 18		X X PLES
ANYOX	A-15			83 07 12 0		X X PLES
HASTINGS ARM	HA-1	55 36.8	129 48.0	83 07 11 20		X X PLES
BELLA BELLA	LP-1			83 07 8 16		X X PLES
OBSERVATORY IN	OI-2	55 17.5	129 47.2	83 07 9 19		X X PLES
OBSERVATORY IN	OI-2	55 17.5	129 47.2	83 07 9 19		X X PLES
OBSERVATORY IN	OI-3	55 10.0	129 53.0	83 07 9 18		X X PLES
OBSERVATORY IN	OI-4	55 04.8	129 59.2	83 07 9 17		X X PLES
OBSERVATORY IN	OI-5	54 59.6	130 02.2	83 07 9 16		X X PLES
ALICE ARM	P-15	55 17.5	129 47.2	83 07 9 22		X X PLES
ALICE ARM	P-15	55 26.8	129 30.9	83 07 10 16		X X PLES
ALICE ARM	KI-70	55 24.7	129 40.6	83 07 10 21		X X PLES

BOTTLE/CTD DATA SET NUMBER: 83-0014
YEAR:1983 VESSEL/AGENCY: IOS, VECTOR

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST WATER PARAM TO DEPTH MEAS (M) (M)	INSTR INT NO C S T
ALICE ARM	AA 1	55 24.75	129 40.75	83 1 15 15	69.5	X X GLDL
ALICE ARM	AA 1	55 24.75	129 40.75	83 1 20 20	77.5	X X GLDL
ALICE ARM	AA 2	55 26.00	129 40.05	83 1 15 15	223.8	X X GLDL
ALICE ARM	AA 2	55 26.00	129 40.05	83 1 20 19	216.6	X X GLDL
ALICE ARM	AA 3	55 27.15	129 37.05	83 1 15 16	362.9	X X GLDL
ALICE ARM	AA 3	55 27.15	129 37.05	83 1 20 19	362.7	X X GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 1 15 16	256.2	X X GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 1 20 18	218.2	X X GLDL
ALICE ARM	AA 5	55 27.90	129 29.25	83 1 15 17	96.2	X X GLDL
ALICE ARM	AA 5	55 27.90	129 29.25	83 1 20 17	96.6	X X GLDL
ALICE ARM	C 3	55 28.10	129 28.85	83 1 20 7	76.0	X X GLDL
ALICE ARM	C 6	55 28.10	129 29.33	83 1 20 7	87.8	X X GLDL
ALICE ARM	E 3	55 27.90	129 28.81	83 1 20 6	88.8	X X GLDL
ALICE ARM	E 5	55 27.90	129 29.18	83 1 20 6	90.9	X X GLDL
ALICE ARM	E 7	55 27.90	129 29.53	83 1 20 7	93.9	X X GLDL
ALICE ARM	G 4	55 27.70	129 29.00	83 1 20 6	89.0	X X GLDL
ALICE ARM	G 6	55 27.70	129 29.33	83 1 20 6	87.5	X X GLDL
ALICE ARM	G 8	55 27.70	129 29.73	83 1 20 6	95.5	X X GLDL
ALICE ARM	HA 1	55 24.90	129 43.10	83 1 15 11	169.6	X X GLDL
ALICE ARM	HA 1	55 24.90	129 43.10	83 1 21 0	162.6	X X GLDL
ALICE ARM	HA 2	55 28.30	129 44.60	83 1 15 11	296.8	X X GLDL
ALICE ARM	HA 2	55 28.30	129 44.60	83 1 19 22	304.0	X X GLDL
ALICE ARM	HA 2	55 28.30	129 44.60	83 1 20 23	286.0	X X GLDL
ALICE ARM	HA 3	55 32.50	129 47.10	83 1 15 12	272.4	X X GLDL
ALICE ARM	HA 3	55 32.50	129 47.10	83 1 20 22	272.3	X X GLDL
ALICE ARM	HA 4	55 36.50	129 47.80	83 1 15 13	173.6	X X GLDL
ALICE ARM	HA 4	55 36.50	129 47.80	83 1 20 22	158.7	X X GLDL
ALICE ARM	I 6	55 27.50	129 29.33	83 1 20 5	87.0	X X GLDL
ALICE ARM	I 8	55 27.50	129 29.73	83 1 20 5	77.0	X X GLDL
ALICE ARM	K 40	55 27.30	129 35.36	83 1 20 0	251.7	X X GLDL
ALICE ARM	K 6	55 27.30	129 29.33	83 1 20 5	88.8	X X GLDL
ALICE ARM	K 8	55 27.30	129 29.73	83 1 20 5	98.9	X X GLDL
ALICE ARM	L 10	55 27.20	129 30.08	83 1 20 5	148.0	X X GLDL
ALICE ARM	M 12	55 27.10	129 30.43	83 1 20 4	173.6	X X GLDL
ALICE ARM	M 40	55 27.10	129 35.36	83 1 20 0	380.2	X X GLDL

ALICE ARM	M 9	55 27.10	129 29.90	83	1 20	4 127.0	X	X GLDL
ALICE ARM	N 11	55 27.00	129 30.26	83	1 20	4 149.6	X	X GLDL
ALICE ARM	N 14	55 27.00	129 30.78	83	1 20	3 159.8	X	X GLDL
ALICE ARM	N 8	55 27.00	129 29.73	83	1 20	4 68.9	X	X GLDL
ALICE ARM	O 10	55 26.90	129 30.08	83	1 20	4 82.7	X	X GLDL
ALICE ARM	O 13	55 26.90	129 30.61	83	1 20	3 217.8	X	X GLDL
ALICE ARM	O 16	55 26.90	129 31.14	83	1 20	2 150.8	X	X GLDL
ALICE ARM	O 20	55 26.90	129 31.84	83	1 20	2 123.3	X	X GLDL
ALICE ARM	OB 1	55 3.00	130 0.15	83	1 15	5 39.3	X	X GLDL
ALICE ARM	OB 1	55 3.00	130 0.15	83	1 21	5 62.3	X	X GLDL
ALICE ARM	OB 2	55 6.70	129 57.30	83	1 15	6 407.3	X	X GLDL
ALICE ARM	OB 2	55 6.70	129 57.30	83	1 21	4 403.1	X	X GLDL
ALICE ARM	OB 3	55 10.00	129 53.00	83	1 15	8 449.9	X	X GLDL
ALICE ARM	OB 3	55 10.00	129 53.00	83	1 21	4 442.9	X	X GLDL
ALICE ARM	OB 4	55 13.90	129 51.10	83	1 15	8 486.3	X	X GLDL
ALICE ARM	OB 4	55 13.90	129 51.10	83	1 21	3 486.4	X	X GLDL
ALICE ARM	OB 5	55 17.50	129 47.90	83	1 15	9 488.2	X	X GLDL
ALICE ARM	OB 5	55 17.50	129 47.90	83	1 19	20 496.6	X	X GLDL
ALICE ARM	OB 5	55 17.50	129 47.90	83	1 21	2 496.3	X	X GLDL
ALICE ARM	OB 6	55 21.30	129 45.90	83	1 15	10 228.6	X	X GLDL
ALICE ARM	OB 6	55 21.30	129 45.90	83	1 21	1 226.5	X	X GLDL
ALICE ARM	P 12	55 26.80	129 30.43	83	1 20	3 135.0	X	X GLDL
ALICE ARM	P 40	55 26.80	129 35.36	83	1 20	1 301.0	X	X GLDL
ALICE ARM	PI 1	54 40.60	123 28.20	83	1 15	0 495.2	X	X GLDL
ALICE ARM	PI 1	54 40.60	123 28.20	83	1 21	11 493.6	X	X GLDL
ALICE ARM	PI 2	54 43.80	130 24.30	83	1 15	1 495.1	X	X GLDL
ALICE ARM	PI 2	54 43.80	130 24.30	83	1 21	10 416.0	X	X GLDL
ALICE ARM	PI 3	54 46.70	130 19.70	83	1 15	2 478.2	X	X GLDL
ALICE ARM	PI 3	54 46.70	130 19.70	83	1 21	9 456.4	X	X GLDL
ALICE ARM	PI 4	54 49.60	130 14.90	83	1 15	3 421.7	X	X GLDL
ALICE ARM	PI 4	54 49.60	130 14.90	83	1 21	8 405.2	X	X GLDL
ALICE ARM	PI 5	54 52.85	130 10.90	83	1 15	3 405.2	X	X GLDL
ALICE ARM	PI 5	54 52.85	130 10.90	83	1 21	8 399.3	X	X GLDL
ALICE ARM	PI 6	54 56.10	130 6.90	83	1 15	4 325.9	X	X GLDL
ALICE ARM	PI 6	54 56.10	130 6.90	83	1 21	7 317.8	X	X GLDL
ALICE ARM	PI 7	54 59.30	130 2.80	83	1 15	5 210.3	X	X GLDL
ALICE ARM	PI 7	54 59.30	130 2.80	83	1 21	6 208.7	X	X GLDL
ALICE ARM	Q 16	55 26.70	129 31.14	83	1 20	2 249.7	X	X GLDL
ALICE ARM	Q 20	55 26.70	129 31.84	83	1 20	1 255.0	X	X GLDL
ALICE ARM	S 16	55 26.50	129 31.14	83	1 20	3 123.7	X	X GLDL
ALICE ARM	S 20	55 26.50	129 31.84	83	1 20	1 179.0	X	X GLDL
ALICE ARM	U 67	55 26.30	129 40.11	83	1 19	23 234.1	X	X GLDL
ALICE ARM	V 66	55 26.20	129 39.94	83	1 19	23 211.5	X	X GLDL
ALICE ARM	W 65	55 26.10	129 39.76	83	1 19	23 138.6	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 83-0015
YEAR: 1983 VESSEL/AGENCY: IOS, VECTOR

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
ALICE ARM	AA 1	55 24.75	129 40.75	83 4 13 19	83.3			X	X	GLDL
ALICE ARM	AA 2	55 26.00	129 40.05	83 4 13 18	220.0			X	X	GLDL
ALICE ARM	AA 3	55 27.15	129 37.05	83 4 13 17	371.8			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 13 16	265.0			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 17 16	262.7			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 17 16	256.1			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 17 17	271.9			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 17 17	274.9			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 17 18	257.8			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 17 18	261.8			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 17 18	271.1			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 17 19	276.5			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 17 20	265.7			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 17 20	276.6			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 17 21	276.1			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 17 21	271.7			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 17 22	254.6			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 17 22	255.7			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 17 23	256.0			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 17 23	256.0			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 18 0	254.7			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 18 0	255.0			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 18 0	261.7			X	X	GLDL
ALICE ARM	AA 4	55 26.69	129 31.80	83 4 18 1	250.9			X	X	GLDL

ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 2 253.0	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 2 253.9	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 3 260.5	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 3 257.5	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 4 276.2	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 4 251.1	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 5 232.1	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 5 260.1	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 6 248.7	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 6 264.6	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 7 269.0	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 7 260.6	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 8 258.6	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 8 264.0	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 9 259.1	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 9 268.1	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 10 257.8	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 10 256.7	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 11 254.5	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 11 254.0	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 12 255.0	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 12 254.0	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 13 255.7	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 13 257.9	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 13 252.8	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 14 257.6	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 14 258.9	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 15 256.5	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 16 255.5	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 16 240.0	X X GLDL
ALICE ARM	AA 4	55 26.69 129 31.80	83 4 18 16 234.6	X X GLDL
ALICE ARM	C 3	55 28.10 129 28.85	83 4 17 5 66.5	X X GLDL
ALICE ARM	C 6	55 28.10 129 29.33	83 4 17 5 80.5	X X GLDL
ALICE ARM	E 3	55 27.90 129 28.81	83 4 17 4 84.6	X X GLDL
ALICE ARM	E 5	55 27.90 129 29.18	83 4 17 4 84.9	X X GLDL
ALICE ARM	E 7	55 27.90 129 29.53	83 4 17 5 88.0	X X GLDL
ALICE ARM	G 4	55 27.70 129 29.00	83 4 17 4 83.6	X X GLDL
ALICE ARM	G 6	55 27.70 129 29.33	83 4 17 4 85.7	X X GLDL
ALICE ARM	G 8	55 27.70 129 29.73	83 4 17 4 89.8	X X GLDL
ALICE ARM	H A 1	55 24.90 129 43.10	83 4 13 23 137.6	X X GLDL
ALICE ARM	H A 2	55 28.30 129 44.60	83 4 13 22 275.9	X X GLDL
ALICE ARM	H A 2	55 28.30 129 44.60	83 4 16 16 301.0	X X GLDL
ALICE ARM	H A 3	55 32.50 129 47.10	83 4 13 21 288.8	X X GLDL
ALICE ARM	H A 4	55 36.50 129 47.80	83 4 13 21 169.5	X X GLDL
ALICE ARM	I 6	55 27.50 129 29.33	83 4 17 4 75.5	X X GLDL
ALICE ARM	I 8	55 27.50 129 29.73	83 4 17 4 92.6	X X GLDL
ALICE ARM	K 40	55 27.30 129 35.36	83 4 16 21 231.7	X X GLDL
ALICE ARM	K 6	55 27.30 129 29.33	83 4 17 3 89.6	X X GLDL
ALICE ARM	K 8	55 27.30 129 29.73	83 4 17 3 84.5	X X GLDL
ALICE ARM	L 10	55 27.20 129 30.08	83 4 17 3 92.6	X X GLDL
ALICE ARM	M 12	55 27.10 129 30.43	83 4 17 2 106.5	X X GLDL
ALICE ARM	M 40	55 27.10 129 35.36	83 4 16 21 370.1	X X GLDL
ALICE ARM	M 9	55 27.10 129 29.90	83 4 17 3 103.6	X X GLDL
ALICE ARM	N 11	55 27.00 129 30.26	83 4 17 2 158.9	X X GLDL
ALICE ARM	N 14	55 27.00 129 30.78	83 4 17 1 110.6	X X GLDL
ALICE ARM	N 8	55 27.00 129 29.73	83 4 17 3 77.0	X X GLDL
ALICE ARM	O 10	55 26.90 129 30.08	83 4 17 2 88.8	X X GLDL
ALICE ARM	O 13	55 26.90 129 30.61	83 4 17 1 172.7	X X GLDL
ALICE ARM	O 16	55 26.90 129 31.14	83 4 17 0 92.7	X X GLDL
ALICE ARM	O 20	55 26.90 129 31.84	83 4 16 22 97.9	X X GLDL
ALICE ARM	OB 1	55 3.00 130 0.15	83 4 14 6 65.1	X X GLDL
ALICE ARM	OB 2	55 6.70 129 57.30	83 4 14 4 412.9	X X GLDL
ALICE ARM	OB 3	55 10.00 129 53.00	83 4 14 3 454.8	X X GLDL
ALICE ARM	OB 4	55 13.90 129 51.10	83 4 14 2 475.0	X X GLDL
ALICE ARM	OB 5	55 17.50 129 47.90	83 4 14 1 491.5	X X GLDL
ALICE ARM	OB 5	55 17.50 129 47.90	83 4 16 18 490.6	X X GLDL
ALICE ARM	OB 6	55 21.30 129 45.90	83 4 14 0 144.0	X X GLDL
ALICE ARM	P 12	55 26.80 129 30.43	83 4 17 1 158.6	X X GLDL
ALICE ARM	P 40	55 26.80 129 35.36	83 4 16 22 221.0	X X GLDL
ALICE ARM	PI 1	54 40.60 123 28.20	83 4 14 13 422.1	X X GLDL
ALICE ARM	PI 2	54 43.80 130 24.30	83 4 14 12 490.2	X X GLDL
ALICE ARM	PI 3	54 46.70 130 19.70	83 4 14 11 490.6	X X GLDL
ALICE ARM	PI 4	54 49.60 130 14.90	83 4 14 10 430.1	X X GLDL
ALICE ARM	PI 5	54 52.85 130 10.90	83 4 14 9 421.5	X X GLDL
ALICE ARM	PI 6	54 56.10 130 6.90	83 4 14 8 331.0	X X GLDL
ALICE ARM	PI 7	54 59.30 130 2.80	83 4 14 7 212.9	X X GLDL
ALICE ARM	Q 16	55 26.70 129 31.14	83 4 17 0 231.9	X X GLDL
ALICE ARM	Q 20	55 26.70 129 31.84	83 4 16 23 240.5	X X GLDL
ALICE ARM	S 16	55 26.50 129 31.14	83 4 17 0 190.8	X X GLDL
ALICE ARM	S 20	55 26.50 129 31.84	83 4 16 23 266.9	X X GLDL
ALICE ARM	U 67	55 26.30 129 40.11	83 4 16 19 217.9	X X GLDL
ALICE ARM	V 66	55 26.20 129 39.94	83 4 16 20 167.1	X X GLDL
ALICE ARM	W 65	55 26.10 129 39.76	83 4 16 20 113.6	X X GLDL

BOTTLE/CTD DATA SET NUMBER: 83-0035
 YEAR: 1983 VESSEL/AGENCY: IOS

AREA	STN	LAT	LON	DATE				CAST TO	WATER DEPTH	PARAM MEAS	INSTR	INT NO
		DEG MIN	DEG MIN	YR	MO	DY	HR					
Q. CHARLOTTES	H 1	52 22.1	131 5.3	83	5	13	22		X	X	GLDL	
HECATE STRAIT	M 1	52 37.7	129 33.7	83	5	14	8		X	X	GLDL	
HECATE STRAIT	M 2	52 37.0	129 37.8	83	5	14	7		X	X	GLDL	
HECATE STRAIT	M 3	52 35.4	129 47.3	83	5	14	6		X	X	GLDL	
HECATE STRAIT	M 4	52 33.9	129 56.6	83	5	14	5		X	X	GLDL	
HECATE STRAIT	M 5	52 32.7	130 4.0	83	5	14	5		X	X	GLDL	
HECATE STRAIT	M 6	52 31.5	130 10.8	83	5	14	4		X	X	GLDL	
HECATE STRAIT	M 7	52 30.0	130 20.0	83	5	14	3		X	X	GLDL	
HECATE STRAIT	M 8	52 28.4	130 29.0	83	5	14	2		X	X	GLDL	
HECATE STRAIT	M 9	52 26.9	130 38.0	83	5	14	1		X	X	GLDL	
HECATE STRAIT	M10	52 25.5	130 46.8	83	5	14	0		X	X	GLDL	
HECATE STRAIT	M11	52 24.0	130 56.3	83	5	13	23		X	X	GLDL	
DIXON ENTRANCE	Q27	54 18.5	132 48.8	83	5	7	23		X	X	GLDL	
Q. CHARLOTTES	Q28	54 19.0	133 3.2	83	5	8	1		X	X	GLDL	
Q. CHARLOTTES	Q28	54 19.0	133 3.2	83	5	8	1		X	X	GLDL	
Q. CHARLOTTES	Q36	54 31.1	133 13.0	83	5	8	8		X	X	GLDL	
DIXON ENTRANCE	Q37	54 34.5	132 56.5	83	5	8	9		X	X	GLDL	
DIXON ENTRANCE	Q38	54 29.0	132 59.0	83	5	8	10		X	X	GLDL	
Q. CHARLOTTES	Q39	54 23.2	133 1.5	83	5	8	11		X	X	GLDL	
DIXON ENTRANCE	Q40	54 17.7	132 33.5	83	5	8	13		X	X	GLDL	
DIXON ENTRANCE	Q41	54 10.0	132 18.0	83	5	8	14		X	X	GLDL	
DIXON ENTRANCE	Q42	54 17.0	132 18.0	83	5	8	15		X	X	GLDL	
DIXON ENTRANCE	Q42	54 17.0	132 18.0	83	5	8	15		X	X	GLDL	
DIXON ENTRANCE	Q43	54 21.3	132 18.0	83	5	8	16		X	X	GLDL	
DIXON ENTRANCE	Q44	54 25.5	132 18.0	83	5	8	17		X	X	GLDL	
DIXON ENTRANCE	Q45	54 34.0	132 18.0	83	5	8	18		X	X	GLDL	
DIXON ENTRANCE	Q46	54 34.2	132 31.3	83	5	8	19		X	X	GLDL	
DIXON ENTRANCE	Q47	54 29.4	132 32.0	83	5	8	20		X	X	GLDL	
DIXON ENTRANCE	Q48	54 24.0	132 32.6	83	5	8	21		X	X	GLDL	
DIXON ENTRANCE	Q49	54 24.2	132 46.5	83	5	8	21		X	X	GLDL	
DIXON ENTRANCE	Q50	54 29.5	132 44.8	83	5	8	22		X	X	GLDL	
DIXON ENTRANCE	Q51	54 34.3	132 43.5	83	5	8	23		X	X	GLDL	
DIXON ENTRANCE	Q52	54 38.4	132 42.6	83	5	9	0		X	X	GLDL	
DIXON ENTRANCE	Q53	54 38.4	132 31.0	83	5	9	0		X	X	GLDL	
DIXON ENTRANCE	Q54	54 38.4	132 18.8	83	5	9	1		X	X	GLDL	
DIXON ENTRANCE	Q55	54 38.4	132 6.5	83	5	9	2		X	X	GLDL	
DIXON ENTRANCE	Q56	54 34.3	132 6.5	83	5	9	3		X	X	GLDL	
DIXON ENTRANCE	Q57	54 28.8	132 6.5	83	5	9	4		X	X	GLDL	
DIXON ENTRANCE	Q58	54 23.3	132 6.5	83	5	9	4		X	X	GLDL	
DIXON ENTRANCE	Q59	54 23.3	132 6.5	83	5	9	5		X	X	GLDL	
DIXON ENTRANCE	Q60	54 10.2	132 6.5	83	5	9	6		X	X	GLDL	
HECATE STRAIT	R 1	53 56.0	130 53.3	83	5	11	4		X	X	GLDL	
HECATE STRAIT	R 2	53 56.0	130 57.9	83	5	11	4		X	X	GLDL	
HECATE STRAIT	R 3	53 56.0	130 64.0	83	5	11	3		X	X	GLDL	
HECATE STRAIT	R 6	53 56.0	131 23.0	83	5	11	0		X	X	GLDL	
HECATE STRAIT	R 7	53 56.0	131 31.5	83	5	11	0		X	X	GLDL	
HECATE STRAIT	W 1	53 20.0	130 13.8	83	5	16	0		X	X	GLDL	
HECATE STRAIT	W 2	53 19.9	130 19.3	83	5	16	1		X	X	GLDL	
HECATE STRAIT	W 3	53 18.3	130 24.0	83	5	16	2		X	X	GLDL	
HECATE STRAIT	W 4	53 17.3	130 29.6	83	5	16	2		X	X	GLDL	
HECATE STRAIT	W 5	53 16.5	130 34.0	83	5	16	3		X	X	GLDL	
HECATE STRAIT	W 6	53 16.3	130 37.4	83	5	16	3		X	X	GLDL	
HECATE STRAIT	W 7	53 15.5	130 41.0	83	5	12	9		X	X	GLDL	
HECATE STRAIT	W 7	53 15.5	130 41.0	83	5	16	4		X	X	GLDL	
HECATE STRAIT	W 8	53 14.9	130 45.3	83	5	16	5		X	X	GLDL	
HECATE STRAIT	W 9	53 13.9	130 51.2	83	5	16	5		X	X	GLDL	
HECATE STRAIT	W10	53 13.0	130 56.0	83	5	15	11		X	X	GLDL	
HECATE STRAIT	W10	53 13.0	130 56.0	83	5	15	17		X	X	GLDL	
HECATE STRAIT	W10	53 13.0	130 56.0	83	5	15	19		X	X	GLDL	
HECATE STRAIT	W10	53 13.0	130 56.0	83	5	15	22		X	X	GLDL	
HECATE STRAIT	W10	53 13.0	130 56.8	83	5	15	3		X	X	GLDL	
HECATE STRAIT	W10	53 13.0	130 56.8	83	5	15	6		X	X	GLDL	
HECATE STRAIT	W10	53 13.0	130 56.9	83	5	16	6		X	X	GLDL	
HECATE STRAIT	W10	53 14.9	130 45.3	83	5	12	9		X	X	GLDL	
HECATE STRAIT	W11	53 12.0	131 2.0	83	5	15	18		X	X	GLDL	
HECATE STRAIT	W11	53 12.0	131 2.8	83	5	15	20		X	X	GLDL	
HECATE STRAIT	W11	53 12.1	131 2.8	83	5	15	3		X	X	GLDL	
HECATE STRAIT	W11	53 12.1	131 2.8	83	5	15	6		X	X	GLDL	
HECATE STRAIT	W11	53 12.1	131 2.8	83	5	15	9		X	X	GLDL	
HECATE STRAIT	W11	53 13.9	130 51.1	83	5	12	10		X	X	GLDL	

HECATE STRAIT	W12	53 11.0	131 9.0	83 5 16 12	X	X GLDL
HECATE STRAIT	W12	53 11.0	131 9.0	83 5 16 14	X	X GLDL
HECATE STRAIT	W12	53 11.0	131 9.0	83 5 16 19	X	X GLDL
HECATE STRAIT	W12	53 11.0	131 9.4	83 5 15 2	X	X GLDL
HECATE STRAIT	W12	53 11.0	131 9.4	83 5 15 5	X	X GLDL
HECATE STRAIT	W12	53 11.0	131 9.4	83 5 15 8	X	X GLDL
HECATE STRAIT	W12	53 11.0	131 9.4	83 5 16 7	X	X GLDL
HECATE STRAIT	W12	53 11.0	131 9.4	83 5 16 21	X	X GLDL
HECATE STRAIT	W12	53 12.9	130 56.9	83 5 12 11	X	X GLDL
HECATE STRAIT	W13	53 10.0	131 15.0	83 5 16 11	X	X GLDL
HECATE STRAIT	W13	53 10.0	131 15.0	83 5 16 13	X	X GLDL
HECATE STRAIT	W13	53 10.0	131 15.0	83 5 16 15	X	X GLDL
HECATE STRAIT	W13	53 10.0	131 15.0	83 5 16 18	X	X GLDL
HECATE STRAIT	W13	53 10.0	131 15.0	83 5 16 20	X	X GLDL
HECATE STRAIT	W13	53 10.5	131 15.2	83 5 15 2	X	X GLDL
HECATE STRAIT	W13	53 10.5	131 15.2	83 5 15 5	X	X GLDL
HECATE STRAIT	W13	53 10.5	131 15.2	83 5 15 8	X	X GLDL
HECATE STRAIT	W13	53 10.5	131 15.2	83 5 16 7	X	X GLDL
HECATE STRAIT	W13	53 10.5	131 2.7	83 5 12 11	X	X GLDL
HECATE STRAIT	W14	53 9.0	131 21.5	83 5 16 8	X	X GLDL
HECATE STRAIT	W14	53 11.0	131 9.4	83 5 12 12	X	X GLDL
HECATE STRAIT	W15	53 8.3	131 26.6	83 5 12 13	X	X GLDL
HECATE STRAIT	W15	53 8.3	131 26.6	83 5 16 8	X	X GLDL
HECATE STRAIT	W15	53 10.0	131 15.9	83 5 12 13	X	X GLDL
HECATE STRAIT	W16	53 7.0	131 33.5	83 5 12 14	X	X GLDL
HECATE STRAIT	W16	53 7.0	131 33.5	83 5 16 9	X	X GLDL
HECATE STRAIT	W16	53 9.0	131 21.5	83 5 12 13	X	X GLDL
HECATE STRAIT	W17	53 2.4	131 31.0	83 5 16 10	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 83-0036A
YEAR: 1983 VESSEL/AGENCY: IOS

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						

HECATE STRAIT	BUOY	52 5.0	130 35.0	83 9 8 12	X	X GLDL
Q. CHARLOTTES	C 1	51 34.0	128 54.7	83 9 8 3	X	X GLDL
Q. CHARLOTTES	C 3	51 31.3	128 54.7	83 9 8 2	X	X GLDL
Q. CHARLOTTES	C 5	51 28.0	128 54.7	83 9 8 2	X	X GLDL
Q. CHARLOTTES	C 7	51 24.7	128 54.7	83 9 8 2	X	X GLDL
Q. CHARLOTTES	C 9	51 21.1	128 54.7	83 9 8 1	X	X GLDL
Q. CHARLOTTES	C11	51 15.0	128 52.0	83 9 8 0	X	X GLDL
Q. CHARLOTTES	C13	51 10.0	128 49.0	83 9 8 0	X	X GLDL
Q. CHARLOTTES	M 2	51 35.6	129 10.0	83 9 8 4	X	X GLDL
Q. CHARLOTTES	M 4	51 40.2	129 23.2	83 9 8 5	X	X GLDL
Q. CHARLOTTES	M 6	51 46.2	129 30.0	83 9 8 6	X	X GLDL
Q. CHARLOTTES	M 8	51 50.7	129 34.0	83 9 8 6	X	X GLDL
Q. CHARLOTTES	M10	51 55.5	129 42.6	83 9 8 7	X	X GLDL
Q. CHARLOTTES	M12	51 57.6	129 54.9	83 9 8 8	X	X GLDL
Q. CHARLOTTES	M14	51 57.6	130 10.8	83 9 8 9	X	X GLDL
Q. CHARLOTTES	M15	51 57.8	130 18.5	83 9 8 10	X	X GLDL
Q. CHARLOTTES	M16	51 57.6	130 35.0	83 9 8 11	X	X GLDL
Q. CHARLOTTES	M16A	51 57.6	130 47.0	83 9 8 13	X	X GLDL
Q. CHARLOTTES	M17	51 57.5	130 50.5	83 9 8 14	X	X GLDL
Q. CHARLOTTES	M18	51 57.6	130 55.5	83 9 8 14	X	X GLDL
Q. CHARLOTTES	M19	51 57.6	130 58.6	83 9 8 14	X	X GLDL
DIXON ENTRANCE	Q27	54 18.5	132 48.8	83 9 16 20	X	X GLDL
Q. CHARLOTTES	Q28	54 19.0	133 3.2	83 9 16 14	X	X GLDL
Q. CHARLOTTES	Q36	54 31.1	133 13.0	83 9 16 11	X	X GLDL
DIXON ENTRANCE	Q37	54 34.5	132 56.5	83 9 16 12	X	X GLDL
DIXON ENTRANCE	Q38	54 29.0	132 59.2	83 9 16 13	X	X GLDL
Q. CHARLOTTES	Q39	54 23.2	133 1.5	83 9 16 14	X	X GLDL
DIXON ENTRANCE	Q41	54 10.0	132 18.0	83 9 17 6	X	X GLDL
DIXON ENTRANCE	Q42	54 17.0	132 18.0	83 9 17 5	X	X GLDL
DIXON ENTRANCE	Q43	54 21.3	132 18.0	83 9 17 4	X	X GLDL
DIXON ENTRANCE	Q44	54 25.5	132 18.0	83 9 17 3	X	X GLDL
DIXON ENTRANCE	Q45	54 34.0	132 18.0	83 9 17 2	X	X GLDL
DIXON ENTRANCE	Q49	54 24.2	132 46.5	83 9 16 21	X	X GLDL
DIXON ENTRANCE	Q50	54 29.5	132 44.8	83 9 16 22	X	X GLDL
DIXON ENTRANCE	Q51	54 34.3	132 43.5	83 9 16 23	X	X GLDL
DIXON ENTRANCE	Q52	54 38.4	132 43.6	83 9 17 0	X	X GLDL
DIXON ENTRANCE	Q53	54 38.4	132 31.0	83 9 17 1	X	X GLDL
DIXON ENTRANCE	Q54	54 38.4	132 18.0	83 9 17 1	X	X GLDL
DIXON ENTRANCE	Q60	54 10.0	132 6.0	83 9 17 7	X	X GLDL
DIXON ENTRANCE	Q61	54 22.0	131 19.0	83 9 17 10	X	X GLDL

DIXON ENTRANCE Q62 54 15.3 131 46.0 83 9 17 8

X X GLDL

BOTTLE/CTD DATA SET NUMBER: 83-0036B
 YEAR:1983 VESSEL/AGENCY: IOS

AREA	STN	LAT DEG MIN	LON DEG MIN	DATE YR MO DY HR	CAST TO DEPTH (M)	WATER MEAS HR C S T	INSTR INT NO
HECATE STRAIT	M 1	52 37.7	129 33.6	83 9 24 8			X X GLDL
HECATE STRAIT	M 1	52 37.7	129 33.6	83 9 26 19			X X GLDL
HECATE STRAIT	M 2	52 36.9	129 37.9	83 9 24 8			X X GLDL
HECATE STRAIT	M 3	52 35.4	129 47.3	83 9 24 7			X X GLDL
HECATE STRAIT	M 4	52 33.8	129 56.6	83 9 24 6			X X GLDL
HECATE STRAIT	M 5	52 32.6	130 3.8	83 9 24 5			X X GLDL
HECATE STRAIT	M 6	52 31.4	130 11.0	83 9 24 4			X X GLDL
HECATE STRAIT	M 7	52 30.0	130 20.0	83 9 24 4			X X GLDL
HECATE STRAIT	M 8	52 28.5	130 29.0	83 9 24 3			X X GLDL
HECATE STRAIT	M 9	52 26.9	130 38.2	83 9 24 2			X X GLDL
HECATE STRAIT	M10	52 25.5	130 47.0	83 9 24 1			X X GLDL
HECATE STRAIT	M11	52 24.0	130 56.0	83 9 24 1			X X GLDL
Q. CHARLOTTE'S	M12	52 22.4	131 6.0	83 9 24 0			X X GLDL
HECATE STRAIT	MB	52 38.5	129 15.6	83 9 26 17			X X GLDL
HECATE STRAIT	MO	52 38.5	129 20.6	83 9 26 18			X X GLDL
HECATE STRAIT	R 1	53 56.0	130 53.5	83 9 19 19			X X GLDL
HECATE STRAIT	R 2	53 56.0	130 57.9	83 9 19 18			X X GLDL
HECATE STRAIT	R 3	53 56.0	131 3.0	83 9 19 18			X X GLDL
HECATE STRAIT	R 4	53 56.0	131 8.5	83 9 19 17			X X GLDL
HECATE STRAIT	R 5	53 56.0	131 15.0	83 9 19 16			X X GLDL
HECATE STRAIT	R 6	53 56.0	131 23.0	83 9 19 16			X X GLDL
HECATE STRAIT	R 7	53 56.0	131 31.5	83 9 19 15			X X GLDL
HECATE STRAIT	W 1	53 19.8	130 13.7	83 9 20 11			X X GLDL
HECATE STRAIT	W 1	53 19.8	130 13.7	83 9 22 22			X X GLDL
HECATE STRAIT	W 2	53 19.2	130 18.1	83 9 20 11			X X GLDL
HECATE STRAIT	W 2	53 19.2	130 18.1	83 9 22 23			X X GLDL
HECATE STRAIT	W 3	53 18.2	130 23.7	83 9 20 10			X X GLDL
HECATE STRAIT	W 3	53 18.2	130 23.7	83 9 22 23			X X GLDL
HECATE STRAIT	W 4	53 17.3	130 29.5	83 9 20 10			X X GLDL
HECATE STRAIT	W 4	53 17.3	130 29.5	83 9 23 0			X X GLDL
HECATE STRAIT	W 5	53 16.7	130 34.0	83 9 20 9			X X GLDL
HECATE STRAIT	W 5	53 16.7	130 34.0	83 9 23 1			X X GLDL
HECATE STRAIT	W 6	53 16.0	130 37.5	83 9 20 9			X X GLDL
HECATE STRAIT	W 6	53 16.0	130 37.5	83 9 23 1			X X GLDL
HECATE STRAIT	W 7	53 15.5	130 41.0	83 9 20 8			X X GLDL
HECATE STRAIT	W 7	53 15.5	130 41.0	83 9 23 1			X X GLDL
HECATE STRAIT	W 8	53 14.9	130 45.0	83 9 20 7			X X GLDL
HECATE STRAIT	W 8	53 14.9	130 45.0	83 9 23 2			X X GLDL
HECATE STRAIT	W 9	53 13.8	130 51.0	83 9 20 7			X X GLDL
HECATE STRAIT	W 9	53 13.8	130 51.0	83 9 23 2			X X GLDL
HECATE STRAIT	W10	53 13.0	130 56.5	83 9 20 6			X X GLDL
HECATE STRAIT	W10	53 13.0	130 56.5	83 9 23 3			X X GLDL
HECATE STRAIT	W11	53 12.0	131 2.7	83 9 20 6			X X GLDL
HECATE STRAIT	W11	53 12.0	131 2.7	83 9 23 4			X X GLDL
HECATE STRAIT	W12	53 11.0	131 9.5	83 9 20 5			X X GLDL
HECATE STRAIT	W12	53 11.0	131 9.5	83 9 23 4			X X GLDL
HECATE STRAIT	W13	53 10.0	131 16.0	83 9 20 5			X X GLDL
HECATE STRAIT	W13	53 10.0	131 16.0	83 9 23 5			X X GLDL
HECATE STRAIT	W14	53 9.2	131 21.5	83 9 20 4			X X GLDL
HECATE STRAIT	W14	53 9.2	131 21.5	83 9 23 5			X X GLDL
HECATE STRAIT	W15	53 8.2	131 26.5	83 9 20 3			X X GLDL
HECATE STRAIT	W15	53 8.2	131 26.5	83 9 23 6			X X GLDL
HECATE STRAIT	W16	53 7.2	131 33.6	83 9 20 3			X X GLDL
HECATE STRAIT	W16	53 7.2	131 33.6	83 9 23 6			X X GLDL

BOTTLE/CTD DATA SET NUMBER: 83-0038
YEAR:1983 VESSEL/AGENCY: EPS

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR INT NO			
					DEG	MIN	DEG		MIN	YR	MO
		(M)	(M)	C	S	T					

PORPOISE HBR	B-10	54 13.19	130 17.60	83 04 22	18	X	X	PLES
PORPOISE HBR	B-10	54 13.19	130 17.60	83 04 22	18	X	X	PLES
PORPOISE HBR	P-12	54 13.22	130 17.63	83 04 22	18	X	X	PLES
PORPOISE HBR	P-18	54 14.25	130 18.40	83 04 22	19	X	X	PLES
PORPOISE HBR	P-20	54 12.10	130 18.30	83 04 22	19	X	X	PLES
PORPOISE HBR	PH-1	54 14.55	130 18.34	83 04 22	19	X	X	PLES
PORPOISE HBR	PH-2	54 12.51	130 17.72	83 04 22	19	X	X	PLES
PORPOISE HBR	PH-3	54 13.90	130 18.05	83 04 22	19	X	X	PLES

BOTTLE/CTD DATA SET NUMBER: 83-0039
YEAR:1983 VESSEL/AGENCY: EPS

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR INT NO			
					DEG	MIN	DEG		MIN	YR	MO
		(M)	(M)	C	S	T					

ALICE ARM	E-5	55 27.9	129 29.2	83 10 5	23	X	X	PLES
ALICE ARM	H-1	55 36.8	129 48.00	83 10 6	23	X	X	PLES
ALICE ARM	M-9	55 27.1	129 29.9	83 10 6	15	X	X	PLES
ALICE ARM	M-9	55 27.1	129 29.9	83 10 6	16	X	X	PLES
ALICE ARM	M-9	55 27.1	129 29.92	83 10 7	3	X	X	PLES
ALICE ARM	N-8	55 27.0	129 29.7	83 10 6	17	X	X	PLES
ALICE ARM	L-10	55 27.2	129 30.0	83 10 6	16	X	X	PLES
ALICE ARM	M-40	55 27.1	129 35.36	83 10 6	19	X	X	PLES
ALICE ARM	O-20	55 26.9	129 31.8	83 10 6	18	X	X	PLES
OBSERVATORY IN	OI-2	55 17.5	129 47.2	83 10 5	20	X	X	PLES
OBSERVATORY IN	OI-3	55 10.0	129 53.0	83 10 5	19	X	X	PLES
OBSERVATORY IN	OI-4	55 04.8	129 59.2	83 10 5	18	X	X	PLES
OBSERVATORY IN	OI-5	54 59.6	130 02.2	83 10 5	17	X	X	PLES
ALICE ARM	Q-20	55 26.7	129 31.8	83 10 6	17	X	X	PLES
ALICE ARM	S-20	55 26.5	129 31.78	83 10 6	18	X	X	PLES
ALICE ARM	T-64	55 26.4	129 39.55	83 10 6	20	X	X	PLES
ALICE ARM	KI-70	55 24.7	129 40.60	83 10 6	20	X	X	PLES

BOTTLE/CTD DATA SET NUMBER: 84-0001
YEAR:1984 VESSEL/AGENCY: IOS, PARIZEAU

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR INT NO			
					DEG	MIN	DEG		MIN	YR	MO
		(M)	(M)	C	S	T					

Q. CHARLOTTES	C 1	51 34.2	128 55.0	84 1 11	19	X	X	GLDL
Q. CHARLOTTES	C 3	51 31.2	128 55.0	84 1 12	7	X	X	GLDL
Q. CHARLOTTES	C 5	51 28.0	128 55.0	84 1 12	6	X	X	GLDL
Q. CHARLOTTES	C 7	51 24.7	128 54.7	84 1 12	6	X	X	GLDL
Q. CHARLOTTES	C 9	51 21.2	128 55.0	84 1 12	5	X	X	GLDL
Q. CHARLOTTES	C11	51 15.7	128 52.3	84 1 12	4	X	X	GLDL
Q. CHARLOTTES	C13	51 10.3	128 49.0	84 1 12	4	X	X	GLDL
DIXON ENTRANCE	D 0	54 27.7	132 0.0	84 1 20	6	X	X	GLDL
DIXON ENTRANCE	D 0	54 27.7	132 0.0	84 1 20	15	X	X	GLDL
DIXON ENTRANCE	D 0	54 27.7	132 0.0	84 1 20	21	X	X	GLDL
DIXON ENTRANCE	D 0	54 27.7	132 0.0	84 1 21	5	X	X	GLDL
DIXON ENTRANCE	D1E	54 27.7	131 51.4	84 1 20	5	X	X	GLDL
DIXON ENTRANCE	D1N	54 32.8	132 0.0	84 1 20	20	X	X	GLDL
DIXON ENTRANCE	D1NE	54 31.3	131 53.7	84 1 20	16	X	X	GLDL
DIXON ENTRANCE	D1NW	54 31.3	132 6.1	84 1 21	6	X	X	GLDL
DIXON ENTRANCE	D1S	54 22.7	132 0.0	84 1 20	22	X	X	GLDL

DIXON ENTRANCE	D1SE	54 24.0	131 54.0	84 1 21 5	X	X GLDL
DIXON ENTRANCE	D1SW	54 24.1	132 6.1	84 1 20 14	X	X GLDL
DIXON ENTRANCE	D1W	54 27.7	132 8.7	84 1 20 7	X	X GLDL
DIXON ENTRANCE	D2E	54 27.7	131 42.7	84 1 20 5	X	X GLDL
DIXON ENTRANCE	D2N	54 37.8	132 0.0	84 1 20 20	X	X GLDL
DIXON ENTRANCE	D2NE	54 34.7	131 47.6	84 1 20 17	X	X GLDL
DIXON ENTRANCE	D2NW	54 34.8	132 12.3	84 1 21 7	X	X GLDL
DIXON ENTRANCE	D2S	54 17.7	132 0.0	84 1 20 23	X	X GLDL
DIXON ENTRANCE	D2SE	54 20.5	131 47.8	84 1 21 4	X	X GLDL
DIXON ENTRANCE	D2SW	54 20.5	132 12.3	84 1 20 13	X	X GLDL
DIXON ENTRANCE	D2W	54 27.7	132 17.5	84 1 20 8	X	X GLDL
DIXON ENTRANCE	D3E	54 27.7	131 34.3	84 1 20 4	X	X GLDL
DIXON ENTRANCE	D3N	54 40.3	132 0.0	84 1 20 19	X	X GLDL
DIXON ENTRANCE	D3NE	54 38.4	131 41.5	84 1 20 17	X	X GLDL
DIXON ENTRANCE	D3NW	54 38.4	132 18.4	84 1 21 8	X	X GLDL
DIXON ENTRANCE	D3S	54 12.6	132 0.0	84 1 21 0	X	X GLDL
DIXON ENTRANCE	D3SE	54 16.9	131 41.6	84 1 21 3	X	X GLDL
DIXON ENTRANCE	D3SW	54 16.8	132 18.2	84 1 20 12	X	X GLDL
DIXON ENTRANCE	D3W	54 27.7	132 26.1	84 1 20 9	X	X GLDL
DIXON ENTRANCE	D4S	54 7.6	132 0.0	84 1 21 0	X	X GLDL
DIXON ENTRANCE	D4SE	54 14.8	131 38.1	84 1 21 3	X	X GLDL
DIXON ENTRANCE	D4SW	54 13.3	132 24.6	84 1 20 11	X	X GLDL
DIXON ENTRANCE	D5S	54 4.0	132 0.0	84 1 21 1	X	X GLDL
HECATE STRAIT	H 4	53 56.7	131 2.0	84 1 19 17	X	X GLDL
HECATE STRAIT	H 5	53 49.5	130 50.0	84 1 19 16	X	X GLDL
HECATE STRAIT	H 6	53 40.5	130 43.0	84 1 19 15	X	X GLDL
HECATE STRAIT	H 7	53 32.0	130 42.5	84 1 19 14	X	X GLDL
HECATE STRAIT	H 8	53 24.0	130 46.0	84 1 19 13	X	X GLDL
HECATE STRAIT	H 9	53 15.5	130 41.0	84 1 19 12	X	X GLDL
HECATE STRAIT	H10	53 9.0	130 28.0	84 1 19 11	X	X GLDL
HECATE STRAIT	H11	53 2.2	130 15.5	84 1 19 10	X	X GLDL
HECATE STRAIT	H12	52 55.5	130 1.0	84 1 19 9	X	X GLDL
HECATE STRAIT	H13	52 44.5	129 58.0	84 1 19 7	X	X GLDL
HECATE STRAIT	M 0	52 39.2	129 21.0	84 1 19 0	X	X GLDL
Q. CHARLOTTE'S	M 1	51 35.5	129 2.0	84 1 11 20	X	X GLDL
HECATE STRAIT	M 1	52 37.6	129 33.6	84 1 19 1	X	X GLDL
HECATE STRAIT	M 2	52 36.9	129 37.9	84 1 19 1	X	X GLDL
Q. CHARLOTTE'S	M 3	51 35.5	129 18.5	84 1 11 21	X	X GLDL
HECATE STRAIT	M 3	52 35.4	129 47.1	84 1 19 2	X	X GLDL
HECATE STRAIT	M 4	52 33.9	129 56.6	84 1 19 3	X	X GLDL
Q. CHARLOTTE'S	M 5	51 41.5	129 28.2	84 1 13 1	X	X GLDL
HECATE STRAIT	M 5	52 32.7	130 3.6	84 1 19 3	X	X GLDL
HECATE STRAIT	M 6	52 31.4	130 10.8	84 1 19 4	X	X GLDL
Q. CHARLOTTE'S	M 7	51 48.0	129 32.0	84 1 13 2	X	X GLDL
HECATE STRAIT	M 7	52 30.0	130 19.9	84 1 19 6	X	X GLDL
HECATE STRAIT	M 8	52 28.5	130 29.0	84 1 18 12	X	X GLDL
Q. CHARLOTTE'S	M 9	51 53.0	129 38.5	84 1 13 3	X	X GLDL
HECATE STRAIT	M 9	52 26.8	130 38.0	84 1 18 13	X	X GLDL
HECATE STRAIT	M10	52 25.4	130 46.8	84 1 18 14	X	X GLDL
Q. CHARLOTTE'S	M11	51 57.5	129 46.0	84 1 13 3	X	X GLDL
HECATE STRAIT	M11	52 23.8	130 56.0	84 1 18 14	X	X GLDL
Q. CHARLOTTE'S	M12	52 22.2	131 5.8	84 1 18 15	X	X GLDL
Q. CHARLOTTE'S	M13	51 57.5	130 2.5	84 1 13 4	X	X GLDL
Q. CHARLOTTE'S	M15	51 57.5	130 18.5	84 1 13 6	X	X GLDL
Q. CHARLOTTE'S	M16	51 57.5	130 35.0	84 1 13 7	X	X GLDL
Q. CHARLOTTE'S	M16A	51 57.5	130 42.5	84 1 13 8	X	X GLDL
Q. CHARLOTTE'S	M17	51 57.5	130 50.5	84 1 13 8	X	X GLDL
Q. CHARLOTTE'S	M19	51 57.5	130 58.5	84 1 13 9	X	X GLDL
HECATE STRAIT	MB	52 39.0	129 19.5	84 1 18 23	X	X GLDL
Q. CHARLOTTE'S	Q 2	51 28.7	129 27.5	84 1 11 22	X	X GLDL
Q. CHARLOTTE'S	Q 4	51 19.2	129 38.0	84 1 12 12	X	X GLDL
DIXON ENTRANCE	Q27	54 18.5	132 48.8	84 1 21 17	X	X GLDL
Q. CHARLOTTE'S	Q28	54 19.0	133 3.2	84 1 21 23	X	X GLDL
DIXON ENTRANCE	Q37	54 34.5	132 56.5	84 1 21 11	X	X GLDL
DIXON ENTRANCE	Q46	54 34.2	132 31.3	84 1 21 13	X	X GLDL
DIXON ENTRANCE	Q47	54 29.4	132 32.0	84 1 21 14	X	X GLDL
DIXON ENTRANCE	Q49	54 24.2	132 46.5	84 1 21 17	X	X GLDL
DIXON ENTRANCE	Q50	54 29.5	132 44.8	84 1 21 15	X	X GLDL
DIXON ENTRANCE	Q51	54 34.3	132 43.5	84 1 21 12	X	X GLDL
DIXON ENTRANCE	Q52	54 38.4	132 42.6	84 1 21 10	X	X GLDL
DIXON ENTRANCE	Q53	54 38.4	132 31.0	84 1 21 9	X	X GLDL
HECATE STRAIT	R 3	53 56.0	131 3.0	84 1 19 21	X	X GLDL
HECATE STRAIT	R 4	53 56.0	131 8.5	84 1 19 20	X	X GLDL
HECATE STRAIT	R 5	53 56.0	131 14.8	84 1 19 19	X	X GLDL
HECATE STRAIT	R 6	53 56.0	131 23.0	84 1 19 19	X	X GLDL
HECATE STRAIT	W 1	53 19.8	130 13.8	84 1 17 21	X	X GLDL
HECATE STRAIT	W 2	53 19.2	130 18.0	84 1 17 22	X	X GLDL
HECATE STRAIT	W 3	53 19.2	130 23.8	84 1 17 22	X	X GLDL
HECATE STRAIT	W 4	53 17.3	130 29.6	84 1 17 23	X	X GLDL
HECATE STRAIT	W 5	53 16.6	130 33.9	84 1 17 23	X	X GLDL
HECATE STRAIT	W 6	53 16.1	130 37.3	84 1 18 0	X	X GLDL
HECATE STRAIT	W 7	53 15.5	130 40.8	84 1 18 0	X	X GLDL
HECATE STRAIT	W 8	53 14.8	130 45.2	84 1 18 1	X	X GLDL

HECATE STRAIT	W 9	53 13.8	130 51.0	84	1 18 2	X	X GLDL
HECATE STRAIT	W10	53 13.0	130 56.8	84	1 18 2	X	X GLDL
HECATE STRAIT	W11	53 12.0	130 56.8	84	1 18 3	X	X GLDL
HECATE STRAIT	W12	53 11.1	131 9.3	84	1 18 3	X	X GLDL
HECATE STRAIT	W13	53 10.0	131 15.8	84	1 18 4	X	X GLDL
HECATE STRAIT	W14	53 9.1	131 21.3	84	1 18 4	X	X GLDL
HECATE STRAIT	W15	53 8.3	131 26.6	84	1 18 5	X	X GLDL
HECATE STRAIT	W16	53 7.2	131 33.5	84	1 18 5	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 84-0002
YEAR: 1984 VESSEL/AGENCY: IOS, PARIZEAU

AREA	STN	LAT DEG MIN	LONG DEG MIN	DATE YR MO DY	TIME HR	CAST TO DEPTH (M)	WATER MEAS (M)	PARAM C	INSTR S	INT T	NO HR
HECATE STRAIT	M 1	52 37.7	129 33.6	84	4 11 12			X	X GLDL		
HECATE STRAIT	M 2	52 36.9	129 37.9	84	4 11 12			X	X GLDL		
HECATE STRAIT	M 3	52 35.4	129 47.3	84	4 11 10			X	X GLDL		
HECATE STRAIT	M 4	52 33.8	129 56.6	84	4 11 9			X	X GLDL		
HECATE STRAIT	M 5	52 32.6	130 3.8	84	4 11 8			X	X GLDL		
HECATE STRAIT	M 6	52 31.4	130 11.0	84	4 11 7			X	X GLDL		
HECATE STRAIT	M 7	52 30.0	130 20.0	84	4 11 6			X	X GLDL		
HECATE STRAIT	M 8	52 28.5	130 29.0	84	4 11 6			X	X GLDL		
HECATE STRAIT	M 9	52 26.9	130 38.2	84	4 11 5			X	X GLDL		
HECATE STRAIT	M10	52 25.5	130 47.0	84	4 11 3			X	X GLDL		
HECATE STRAIT	M11	52 24.0	130 56.0	84	4 11 3			X	X GLDL		
Q. CHARLOTTE'S	M12	51 22.4	131 6.7	84	4 11 2			X	X GLDL		
Q. CHARLOTTE'S	M16	51 57.6	130 35.0	84	4 26 2			X	X GLDL		
Q. CHARLOTTE'S	M16A	51 57.6	130 47.0	84	4 26 1			X	X GLDL		
Q. CHARLOTTE'S	M17	51 57.5	130 50.5	84	4 26 1			X	X GLDL		
Q. CHARLOTTE'S	M18	51 57.6	130 55.5	84	4 26 1			X	X GLDL		
Q. CHARLOTTE'S	M19	51 57.6	130 58.6	84	4 26 0			X	X GLDL		
HECATE STRAIT	MB	52 38.5	129 15.6	84	4 11 14			X	X GLDL		
HECATE STRAIT	MO	52 38.5	129 20.6	84	4 11 14			X	X GLDL		
DIXON ENTRANCE	Q104	54 39.2	132 3.2	84	4 17 3			X	X GLDL		
DIXON ENTRANCE	Q105	54 36.5	132 1.7	84	4 17 3			X	X GLDL		
DIXON ENTRANCE	Q106	54 33.6	132 0.3	84	4 17 4			X	X GLDL		
DIXON ENTRANCE	Q107	54 27.2	131 57.2	84	4 17 4			X	X GLDL		
DIXON ENTRANCE	Q108	54 22.2	131 54.6	84	4 17 5			X	X GLDL		
DIXON ENTRANCE	Q109	54 16.8	131 52.0	84	4 17 6			X	X GLDL		
DIXON ENTRANCE	Q110	54 12.5	131 50.0	84	4 17 6			X	X GLDL		
DIXON ENTRANCE	Q111	54 10.2	131 48.8	84	4 17 6			X	X GLDL		
DIXON ENTRANCE	Q112	54 8.2	131 47.8	84	4 17 7			X	X GLDL		
DIXON ENTRANCE	Q113	54 11.2	131 46.0	84	4 18 12			X	X GLDL		
DIXON ENTRANCE	Q114	54 19.4	131 46.0	84	4 18 11			X	X GLDL		
DIXON ENTRANCE	Q115	54 23.2	131 46.0	84	4 18 10			X	X GLDL		
DIXON ENTRANCE	Q116	54 28.8	131 46.0	84	4 18 10			X	X GLDL		
DIXON ENTRANCE	Q117	54 34.3	131 46.0	84	4 18 9			X	X GLDL		
DIXON ENTRANCE	Q118	54 38.5	131 46.0	84	4 18 9			X	X GLDL		
DIXON ENTRANCE	Q119	54 43.1	131 57.8	84	4 16 3			X	X GLDL		
DIXON ENTRANCE	Q120	54 43.1	131 55.0	84	4 16 3			X	X GLDL		
DIXON ENTRANCE	Q121	54 43.1	131 46.0	84	4 16 4			X	X GLDL		
DIXON ENTRANCE	Q122	54 43.1	131 40.5	84	4 16 4			X	X GLDL		
DIXON ENTRANCE	Q123	54 43.1	131 33.9	84	4 16 5			X	X GLDL		
DIXON ENTRANCE	Q124	54 43.1	131 27.7	84	4 16 5			X	X GLDL		
DIXON ENTRANCE	Q125	54 43.1	131 21.3	84	4 16 6			X	X GLDL		
DIXON ENTRANCE	Q126	54 43.1	131 16.1	84	4 16 6			X	X GLDL		
DIXON ENTRANCE	Q127	54 43.1	131 10.7	84	4 16 7			X	X GLDL		
DIXON ENTRANCE	Q128	54 43.1	131 3.2	84	4 16 7			X	X GLDL		
DIXON ENTRANCE	Q129	54 43.1	130 56.1	84	4 16 8			X	X GLDL		
DIXON ENTRANCE	Q130	54 43.1	130 51.7	84	4 16 8			X	X GLDL		
DIXON ENTRANCE	Q137	54 40.5	132 51.5	84	4 15 13			X	X GLDL		
DIXON ENTRANCE	Q139	54 11.0	132 49.0	84	4 17 10			X	X GLDL		
DIXON ENTRANCE	Q28	54 19.0	133 3.2	84	4 22 6			X	X GLDL		
DIXON ENTRANCE	Q40	54 17.7	132 33.5	84	4 15 9			X	X GLDL		
DIXON ENTRANCE	Q41	54 10.0	132 18.0	84	4 15 7			X	X GLDL		
DIXON ENTRANCE	Q41	54 10.0	132 18.0	84	4 17 8			X	X GLDL		
DIXON ENTRANCE	Q42	54 17.0	132 18.0	84	4 18 5			X	X GLDL		
DIXON ENTRANCE	Q43	54 21.3	132 18.0	84	4 18 5			X	X GLDL		
DIXON ENTRANCE	Q44	54 25.5	132 18.0	84	4 18 6			X	X GLDL		
DIXON ENTRANCE	Q45	54 34.0	132 18.0	84	4 18 6			X	X GLDL		
DIXON ENTRANCE	Q46	54 34.2	132 31.3	84	4 15 11			X	X GLDL		
DIXON ENTRANCE	Q47	54 29.4	132 32.0	84	4 15 10			X	X GLDL		
DIXON ENTRANCE	Q48	54 24.0	132 32.6	84	4 15 9			X	X GLDL		
DIXON ENTRANCE	Q52	54 38.4	132 42.6	84	4 15 12			X	X GLDL		

DIXON ENTRANCE	Q53	54 38.4	132 31.0	84 4 15 11	X	X GLDL
DIXON ENTRANCE	Q54	54 38.4	132 18.0	84 4 18 7	X	X GLDL
DIXON ENTRANCE	Q55	54 38.4	132 6.5	84 4 15 2	X	X GLDL
DIXON ENTRANCE	Q55	54 38.4	132 6.5	84 4 18 8	X	X GLDL
DIXON ENTRANCE	Q56	54 34.3	132 6.5	84 4 15 3	X	X GLDL
DIXON ENTRANCE	Q57	54 28.8	132 6.5	84 4 15 4	X	X GLDL
DIXON ENTRANCE	Q58	54 23.3	132 6.5	84 4 15 5	X	X GLDL
DIXON ENTRANCE	Q59	54 16.7	132 6.5	84 4 15 5	X	X GLDL
DIXON ENTRANCE	Q60	54 10.2	132 6.5	84 4 15 6	X	X GLDL
DIXON ENTRANCE	Q60	54 10.2	132 6.5	84 4 17 8	X	X GLDL
DIXON ENTRANCE	Q62	54 15.3	131 46.0	84 4 18 12	X	X GLDL
DIXON ENTRANCE	Q63	54 11.0	132 34.5	84 4 15 8	X	X GLDL
DIXON ENTRANCE	Q63	54 11.0	132 34.5	84 4 17 9	X	X GLDL
HECATE STRAIT	R 1	53 56.0	130 53.5	84 4 12 22	X	X GLDL
HECATE STRAIT	R 2	53 56.0	130 57.9	84 4 12 21	X	X GLDL
HECATE STRAIT	R 3	53 56.0	131 3.0	84 4 12 21	X	X GLDL
HECATE STRAIT	R 4	53 56.0	131 8.5	84 4 12 20	X	X GLDL
HECATE STRAIT	R 5	53 56.0	131 15.0	84 4 12 20	X	X GLDL
HECATE STRAIT	R 6	53 56.0	131 23.0	84 4 12 20	X	X GLDL
HECATE STRAIT	R 7	53 56.0	131 31.5	84 4 12 19	X	X GLDL
HECATE STRAIT	W 1	53 19.8	130 13.7	84 4 12 13	X	X GLDL
HECATE STRAIT	W 2	53 19.2	130 18.1	84 4 12 13	X	X GLDL
HECATE STRAIT	W 3	53 18.2	130 23.7	84 4 12 12	X	X GLDL
HECATE STRAIT	W 4	53 17.3	130 29.5	84 4 12 12	X	X GLDL
HECATE STRAIT	W 5	53 16.7	130 34.0	84 4 12 12	X	X GLDL
HECATE STRAIT	W 6	53 16.0	130 37.5	84 4 12 11	X	X GLDL
HECATE STRAIT	W 7	53 15.5	130 41.0	84 4 12 11	X	X GLDL
HECATE STRAIT	W 8	53 14.9	130 45.0	84 4 12 10	X	X GLDL
HECATE STRAIT	W 9	53 13.8	130 51.0	84 4 12 10	X	X GLDL
HECATE STRAIT	W10	53 13.0	130 56.5	84 4 12 9	X	X GLDL
HECATE STRAIT	W11	53 12.0	131 2.7	84 4 12 9	X	X GLDL
HECATE STRAIT	W12	53 11.0	131 9.5	84 4 12 8	X	X GLDL
HECATE STRAIT	W13	53 10.0	131 16.0	84 4 12 8	X	X GLDL
HECATE STRAIT	W14	53 9.2	131 21.5	84 4 12 8	X	X GLDL
HECATE STRAIT	W15	53 8.2	131 26.5	84 4 12 7	X	X GLDL
HECATE STRAIT	W16	53 7.2	131 33.6	84 4 12 6	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 84-0005
YEAR:1984 VESSEL/AGENCY: EPS

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						
ALICE ARM	G5	55 27.40	129 30.02	84 07 6 19	X	X	PLES			
ALICE ARM	M9	55 26.95	129 30.61	84 07 6 21	X	X	PLES			
ALICE ARM	N8	55 27.00	129 29.22	84 07 6 20	X	X	PLES			
ALICE ARM	L10	55 27.03	129 30.74	84 07 6 22	X	X	PLES			
ALICE ARM	N14	55 26.90	129 31.40	84 07 6 22	X	X	PLES			
ALICE ARM	O13	55 26.82	129 31.23	84 07 6 22	X	X	PLES			
ALICE ARM	O13	55 26.90	129 30.60	84 07 7 16	X	X	PLES			
ALICE ARM	O13	55 26.90	129 30.65	84 07 7 16	X	X	PLES			
ALICE ARM	O20	55 26.90	129 31.85	84 07 7 0	X	X	PLES			
ALICE ARM	P12	55 26.00	129 31.00	84 07 6 23	X	X	PLES			
ALICE ARM	Q20	55 26.70	129 31.85	84 07 6 23	X	X	PLES			
ALICE ARM	S20	55 26.50	129 31.85	84 07 6 23	X	X	PLES			

BOTTLE/CTD DATA SET NUMBER: 84-0006
YEAR:1984 VESSEL/AGENCY: DOBROCKY

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						
DIXON ENTRANCE	137	54 40.0	132 51.3	84 06 12 22	125	130	X	X	GLDL	
DIXON ENTRANCE	37	54 34.3	132 56.6	84 06 12 00	350	379	X	X	GLDL	
DIXON ENTRANCE	38	54 28.8	132 59.1	84 06 13 01	310	322	X	X	GLDL	
DIXON ENTRANCE	39	54 23.2	133 01.5	84 06 13 02	180	198	X	X	GLDL	
DIXON ENTRANCE	28	54 18.8	133 03.2	84 06 13 02	345	450	X	X	GLDL	

DIXON ENTRANCE	63	54 10.8	132 34.5	84 06 14 18	85	92	X	X GLDL
DIXON ENTRANCE	40	54 17.6	132 33.5	84 06 14 19	240		X	X GLDL
DIXON ENTRANCE	48	54 23.8	132 32.7	84 06 14 20	240		X	X GLDL
DIXON ENTRANCE	47	54 29.3	132 32.0	84 06 14 21	300	361	X	X GLDL
DIXON ENTRANCE	46	54 34.0	132 31.4	84 06 15 00	245	250	X	X GLDL
DIXON ENTRANCE	53	54 38.2	132 31.2	84 06 15 01	175	180	X	X GLDL
DIXON ENTRANCE	112	54 08.7	131 46.9	84 06 16 22	35	36	X	X GLDL
DIXON ENTRANCE	111	54 12.6	131 49.0	84 06 16 23	110	117	X	X GLDL
DIXON ENTRANCE	110	54 17.1	131 51.8	84 06 16 23	180	189	X	X GLDL
DIXON ENTRANCE	109	54 22.1	131 54.5	84 06 17 00	225	232	X	X GLDL
DIXON ENTRANCE	107	54 27.3	131 56.9	84 06 17 01	250	262	X	X GLDL
DIXON ENTRANCE	106	54 33.6	132 00.4	84 06 17 03	310	320	X	X GLDL
DIXON ENTRANCE	105	54 36.5	132 01.5	84 06 17 03	200	209	X	X GLDL
DIXON ENTRANCE	104	54 39.6	132 03.5	84 06 17 04	110	120	X	X GLDL
DIXON ENTRANCE	139	54 11.8	132 51.3	84 06 21 16	120	124	X	X GLDL
DIXON ENTRANCE	140	54 14.4	132 50.5	84 06 21 16	245	253	X	X GLDL
DIXON ENTRANCE	27	54 18.5	132 48.8	84 06 21 17	345	351	X	X GLDL
DIXON ENTRANCE	49	54 24.1	132 46.5	84 06 21 18	360	374	X	X GLDL
DIXON ENTRANCE	50	54 29.3	132 44.7	84 06 21 19	360	378	X	X GLDL
DIXON ENTRANCE	51	54 34.2	132 43.5	84 06 21 20	300	306	X	X GLDL
DIXON ENTRANCE	52	54 38.2	132 42.7	84 06 21 21	90	97	X	X GLDL
DIXON ENTRANCE	54	54 38.2	132 18.1	84 06 21 23	130	133	X	X GLDL
DIXON ENTRANCE	45	54 33.8	132 18.1	84 06 17 23	255	261	X	X GLDL
DIXON ENTRANCE	41	54 10.0	132 18.1	84 06 23 17	90	94	X	X GLDL
DIXON ENTRANCE	41A	54 13.2	132 18.4	84 06 23 17	132	137	X	X GLDL
DIXON ENTRANCE	42	54 16.8	132 18.1	84 06 23 18	192	196	X	X GLDL
DIXON ENTRANCE	43	54 21.2	132 18.2	84 06 23 18	230	237	X	X GLDL
DIXON ENTRANCE	45	54 33.8	132 18.1	84 06 23 20	255	262	X	X GLDL
DIXON ENTRANCE	54	54 38.2	132 18.1	84 06 23 21	130	133	X	X GLDL

BOTTLE/CTD DATA SET NUMBER: 84-0007
YEAR: 1984 VESSEL/AGENCY: IOS, PARIZEAU

AREA	STN	LAT	LON	DATE	CAST WATER PARAM			INSTR	INT NO
					DEG MIN	DEG MIN	YR MO DY HR		
		(M)	(M)	C. S T					
DIXON ENTRANCE	Q 36	54 31.0	133 13.0	84 10 15 9			X	X GLDL	
DIXON ENTRANCE	Q 28	54 19.0	133 3.1	84 10 19 9			X	X GLDL	
DIXON ENTRANCE	Q 64	54 21.5	133 24.0	84 10 19 11			X	X GLDL	
DIXON ENTRANCE	Q 44	54 25.5	132 18.0	84 10 20 3			X	X GLDL	
DIXON ENTRANCE	Q 45	54 34.0	132 18.0	84 10 20 4			X	X GLDL	
DIXON ENTRANCE	Q 54	54 38.4	132 18.1	84 10 20 5			X	X GLDL	
DIXON ENTRANCE	Q 55	54 38.4	132 6.5	84 10 20 6			X	X GLDL	
DIXON ENTRANCE	Q104	54 39.1	132 3.1	84 10 20 6			X	X GLDL	
DIXON ENTRANCE	Q105	54 36.5	132 1.7	84 10 20 7			X	X GLDL	
DIXON ENTRANCE	Q106	54 33.5	132 0.3	84 10 20 7			X	X GLDL	
DIXON ENTRANCE	Q107	54 27.2	131 57.1	84 10 20 8			X	X GLDL	
DIXON ENTRANCE	Q108	54 22.2	131 54.5	84 10 20 9			X	X GLDL	
DIXON ENTRANCE	Q109	54 16.7	131 52.0	84 10 20 10			X	X GLDL	
DIXON ENTRANCE	Q110	54 12.5	131 50.0	84 10 20 10			X	X GLDL	
DIXON ENTRANCE	Q 62	54 15.2	131 46.0	84 10 20 11			X	X GLDL	
DIXON ENTRANCE	Q113	54 11.2	131 46.0	84 10 20 11			X	X GLDL	
DIXON ENTRANCE	Q112	54 8.2	131 47.8	84 10 20 12			X	X GLDL	
DIXON ENTRANCE	Q104	54 39.1	132 3.1	84 10 21 3			X	X GLDL	
DIXON ENTRANCE	Q106	54 33.5	132 0.3	84 10 21 4			X	X GLDL	
DIXON ENTRANCE	Q117	54 34.3	131 46.0	84 10 21 5			X	X GLDL	
DIXON ENTRANCE	Q118	54 38.5	131 46.0	84 10 21 6			X	X GLDL	
DIXON ENTRANCE	Q119	54 43.0	131 57.8	84 10 21 7			X	X GLDL	
DIXON ENTRANCE	Q120	54 43.0	131 55.0	84 10 21 8			X	X GLDL	
DIXON ENTRANCE	Q121	54 43.0	131 46.0	84 10 21 8			X	X GLDL	
DIXON ENTRANCE	Q122	54 43.0	131 40.5	84 10 21 9			X	X GLDL	
DIXON ENTRANCE	Q123	54 43.0	131 33.9	84 10 21 10			X	X GLDL	
DIXON ENTRANCE	Q124	54 43.0	131 27.7	84 10 21 11			X	X GLDL	
DIXON ENTRANCE	Q125	54 43.0	131 21.2	84 10 21 11			X	X GLDL	
DIXON ENTRANCE	Q126	54 43.0	131 16.0	84 10 21 12			X	X GLDL	
DIXON ENTRANCE	Q127	54 43.0	131 10.7	84 10 21 12			X	X GLDL	
DIXON ENTRANCE	Q128	54 43.0	131 3.1	84 10 21 13			X	X GLDL	
DIXON ENTRANCE	Q129	54 43.0	130 56.0	84 10 21 13			X	X GLDL	
DIXON ENTRANCE	Q130	54 43.0	130 51.6	84 10 21 14			X	X GLDL	
DIXON ENTRANCE	Q143	54 19.5	131 19.0	84 10 22 3			X	X GLDL	
DIXON ENTRANCE	Q144	54 24.5	131 19.0	84 10 22 4			X	X GLDL	
DIXON ENTRANCE	Q145	54 29.5	131 19.3	84 10 22 5			X	X GLDL	
DIXON ENTRANCE	Q146	54 34.5	131 19.0	84 10 22 6			X	X GLDL	
DIXON ENTRANCE	Q147	54 36.0	131 24.5	84 10 22 7			X	X GLDL	
DIXON ENTRANCE	Q148	54 36.0	131 33.5	84 10 22 7			X	X GLDL	

DIXON ENTRANCE	Q149	54	36.0	131	41.5	84	10	22	8	X	X GLDL
DIXON ENTRANCE	Q150	54	32.1	131	38.1	84	10	22	9	X	X GLDL
DIXON ENTRANCE	QD3E	54	27.7	131	34.3	84	10	22	10	X	X GLDL
DIXON ENTRANCE	Q116	54	28.7	131	46.0	84	10	22	11	X	X GLDL
DIXON ENTRANCE	Q117	54	34.3	131	46.0	84	10	22	12	X	X GLDL
DIXON ENTRANCE	Q118	54	38.5	131	46.0	84	10	22	12	X	X GLDL
DIXON ENTRANCE	Q121	54	43.0	131	46.0	84	10	22	13	X	X GLDL
DIXON ENTRANCE	Q 58	54	23.2	132	6.5	84	10	26	4	X	X GLDL
DIXON ENTRANCE	Q 59	54	16.7	132	6.5	84	10	26	5	X	X GLDL
DIXON ENTRANCE	Q 42	54	17.7	132	18.0	84	10	26	6	X	X GLDL
DIXON ENTRANCE	Q 40	54	17.7	132	33.5	84	10	26	7	X	X GLDL
DIXON ENTRANCE	Q 27	54	18.5	132	48.8	84	10	26	8	X	X GLDL
DIXON ENTRANCE	Q 49	54	24.2	132	46.5	84	10	26	9	X	X GLDL
DIXON ENTRANCE	Q 50	54	29.5	132	44.8	84	10	26	10	X	X GLDL
DIXON ENTRANCE	Q 51	54	34.3	132	43.5	84	10	26	11	X	X GLDL
DIXON ENTRANCE	Q 46	54	34.1	132	31.2	84	10	26	12	X	X GLDL
DIXON ENTRANCE	Q 45	54	34.0	132	18.0	84	10	26	13	X	X GLDL
DIXON ENTRANCE	Q139	54	11.0	132	49.0	84	10	27	4	X	X GLDL
DIXON ENTRANCE	Q 63	54	11.0	132	34.5	84	10	27	5	X	X GLDL
DIXON ENTRANCE	Q 41	54	10.0	132	18.0	84	10	27	6	X	X GLDL
DIXON ENTRANCE	Q 60	54	10.2	132	6.5	84	10	27	7	X	X GLDL
DIXON ENTRANCE	QD3S	54	12.6	132	0.0	84	10	27	7	X	X GLDL
DIXON ENTRANCE	Q 62	54	15.2	131	46.0	84	10	27	8	X	X GLDL
DIXON ENTRANCE	Q114	54	19.4	131	46.0	84	10	27	9	X	X GLDL
DIXON ENTRANCE	Q115	54	23.2	131	46.0	84	10	27	9	X	X GLDL
DIXON ENTRANCE	Q116	54	28.7	131	46.0	84	10	27	10	X	X GLDL
DIXON ENTRANCE	Q117	54	34.3	131	46.0	84	10	27	11	X	X GLDL
DIXON ENTRANCE	Q150	54	34.3	131	38.1	84	10	27	12	X	X GLDL
DIXON ENTRANCE	Q148	54	36.0	131	33.5	84	10	27	12	X	X GLDL

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.
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	Instrument type: AAND - Aanderaa RCM-4 or RCM-5 AMF - AMF vector averaging BR - Braincon meter CMDR - CMDR (modified to record on Aanderaa-type tape) CUSH - Cushing electromagnetic ENDE - Endeco GEOD - Geodyne GO - General Oceanics HYDR - Hydrowerstatte HYPR - Hydro Products HYTC - Hytech MARA - Marine Advisors M-MC - Marsh McBirney electromagnetic NEYR - Neyrpic CM NB - Neil Brown acoustic current meter RICH - Richardson SETR - Sea-Track current meter
ADDIT SENSOR	Other parameters measured - pressure, temperature, conductivity. Each measurement is qualified by one of the following: X - measurements of this parameter were made CA - possible calibration problems S - suspect readings C - constant readings O - zero or obviously bad readings

Blank entries indicate unavailable or inapplicable data.
? implies suspect data, but the only/best available.

CURRENT METER DATA SET NUMBER: 48-0009
YEAR:1948 VESSEL/AGENCY: POG,EHKOLI

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

CHATHAM SOUND	75 54 09.40	130 20.20	48 08 24	48 08 24	1 90	0	27
CHATHAM SOUND	75 54 09.40	130 20.20	48 08 24	48 08 24	1 90	5	27
CHATHAM SOUND	75 54 09.40	130 20.20	48 08 24	48 08 24	1 90	9	27
CHATHAM SOUND	75 54 09.40	130 20.20	48 08 24	48 08 24	1 90	18	27
CHATHAM SOUND	76 54 42.30	130 34.10	48 08 31	48 08 31	1 90	0	37
CHATHAM SOUND	76 54 42.30	130 34.10	48 08 31	48 08 31	1 90	18	37
CHATHAM SOUND	113 54 13.00	130 23.40	48 08 07	48 08 08	1 90	0	51
CHATHAM SOUND	113 54 13.00	130 23.40	48 08 07	48 08 08	1 90	11	51

CURRENT METER DATA SET NUMBER: 52-0013
YEAR:1952 VESSEL/AGENCY: POG

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

HECATE STRAIT	54 08.	130 58.	52 07 12	52 07 13			
HECATE STRAIT	54 08.	130 58.	52 07 20	52 07 21			
HECATE STRAIT	54 08.	130 58.	52 07 24	52 07 26			
HECATE STRAIT	54 08.	130 58.	52 07 26	52 07 27			
HECATE STRAIT	HS-1 54 08.	131 04.	52 07 12	52 07 27	25 30	0	77
HECATE STRAIT	HS-1 54 08.	131 04.	52 07 12	52 07 27	25 30	76	77

CURRENT METER DATA SET NUMBER: 54-0012A
YEAR:1954 VESSEL/AGENCY: POG,CEDARWOOD

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

HECATE STRAIT	42 53 36.30	130 43.80	54 05 23	54 05 25	2 60	0	183	DRAG
HECATE STRAIT	42 53 36.30	130 43.80	54 05 23	54 05 25	2 60	10	183	DRAG
HECATE STRAIT	42 53 36.30	130 43.80	54 05 23	54 05 25	2 60	20	183	EKMN
HECATE STRAIT	42 53 36.30	130 43.80	54 05 23	54 05 25	2 60	30	183	EKMN
HECATE STRAIT	42 53 36.30	130 43.80	54 05 23	54 05 25	2 60	50	183	EKMN
HECATE STRAIT	42 53 36.30	130 43.80	54 05 23	54 05 25	2 60	100	183	EKMN
HECATE STRAIT	42 53 36.30	130 43.80	54 05 23	54 05 25	2 60	150	183	EKMN
HECATE STRAIT	43 53 26.60	131 04.20	54 05 21	54 05 23	2 30	0	60	DRAG
HECATE STRAIT	43 53 26.60	131 04.20	54 05 21	54 05 23	2 30	10	60	EKMN
HECATE STRAIT	43 53 26.60	131 04.20	54 05 21	54 05 23	2 30	20	60	EKMN
HECATE STRAIT	43 53 26.60	131 04.20	54 05 21	54 05 23	2 30	30	60	EKMN
HECATE STRAIT	43 53 26.60	131 04.20	54 05 21	54 05 23	2 30	50	60	EKMN
HECATE STRAIT	44 53 15.50	131 30.30	54 05 19	54 05 21	2 30	0	20	DRAG
HECATE STRAIT	44 53 15.50	131 30.30	54 05 19	54 05 21	2 30	5	20	DRAG
HECATE STRAIT	44 53 15.50	131 30.30	54 05 19	54 05 21	2 30	10	20	EKMN
HECATE STRAIT	44 53 15.50	131 30.30	54 05 19	54 05 21	2 30	17	20	EKMN

CURRENT METER DATA SET NUMBER: 54-0012B
YEAR:1954 VESSEL/AGENCY: POG,EHKOLI

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

DIXON ENTRANCE	65 54 10.50	132 00.00	54 07 17	54 07 19	2 60	0	80	DRAG
DIXON ENTRANCE	65 54 10.50	132 00.00	54 07 17	54 07 19	2 60	10	80	EKMN
DIXON ENTRANCE	65 54 10.50	132 00.00	54 07 17	54 07 19	2 60	20	80	EKMN
DIXON ENTRANCE	65 54 10.50	132 00.00	54 07 17	54 07 19	2 60	30	80	EKMN
DIXON ENTRANCE	65 54 10.50	132 00.00	54 07 17	54 07 19	2 60	50	80	EKMN
DIXON ENTRANCE	65 54 10.50	132 00.00	54 07 17	54 07 19	2 60	75	80	EKMN

CURRENT METER DATA SET NUMBER: 54-0012C
YEAR:1954 VESSEL/AGENCY: POG,CEDARWOOD

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

HECATE STRAIT	I-1 52 31.20	131 07.70	54 09 04	54 09 06	2 60	0	88	DRAG
HECATE STRAIT	I-1 52 31.20	131 07.70	54 09 04	54 09 06	2 60	10	88	EKMN
HECATE STRAIT	I-1 52 31.20	131 07.70	54 09 04	54 09 06	2 60	20	88	EKMN
HECATE STRAIT	I-1 52 31.20	131 07.70	54 09 04	54 09 06	2 60	30	88	EKMN
HECATE STRAIT	I-1 52 31.20	131 07.70	54 09 04	54 09 06	2 60	50	88	EKMN
HECATE STRAIT	I-1 52 31.20	131 07.70	54 09 04	54 09 06	2 60	75	88	EKMN
HECATE STRAIT	I-2 52 40.00	130 40.00	54 09 02	54 09 04	2 60	0	137	DRAG
HECATE STRAIT	I-2 52 40.00	130 40.00	54 09 02	54 09 04	2 60	10	137	EKMN
HECATE STRAIT	I-2 52 40.00	130 40.00	54 09 02	54 09 04	2 60	20	137	EKMN
HECATE STRAIT	I-2 52 40.00	130 40.00	54 09 02	54 09 04	2 60	30	137	EKMN
HECATE STRAIT	I-2 52 40.00	130 40.00	54 09 02	54 09 04	2 60	50	137	EKMN
HECATE STRAIT	I-2 52 40.00	130 40.00	54 09 02	54 09 04	2 60	100	137	EKMN
HECATE STRAIT	I-3 52 53.00	130 08.00	54 08 30	54 09 01	2 60	0	234	DRAG
HECATE STRAIT	I-3 52 53.00	130 08.00	54 08 30	54 09 01	2 60	10	234	EKMN
HECATE STRAIT	I-3 52 53.00	130 08.00	54 08 30	54 09 01	2 60	20	234	EKMN
HECATE STRAIT	I-3 52 53.00	130 08.00	54 08 30	54 09 01	2 60	50	234	EKMN
HECATE STRAIT	I-3 52 53.00	130 08.00	54 08 30	54 09 01	2 60	100	234	EKMN
HECATE STRAIT	I-3 52 53.00	130 08.00	54 08 30	54 09 01	2 60	200	234	EKMN
Q.C.SOUND	6 50 54.70	128 04.60	54 09 07	54 09 07	.6 60	0	29	DRAG
Q.C.SOUND	6 50 54.70	128 04.60	54 09 07	54 09 07	.6 60	10	29	EKMN
Q.C.SOUND	6 50 54.70	128 04.60	54 09 07	54 09 07	.6 60	20	29	EKMN
Q.C.SOUND	6 50 54.70	128 04.60	54 09 07	54 09 07	.6 60	25	29	EKMN

CURRENT METER DATA SET NUMBER: 55-0013
YEAR:1955 VESSEL/AGENCY: POG,CEDARWOOD

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

Q.C. SOUND	5 51 01.50	127 54.80	55 06 06	55 06 08	2 60	0	132	DRAG
Q.C. SOUND	5 51 01.50	127 54.80	55 06 06	55 06 08	2 60	10	132	EKMN
Q.C. SOUND	5 51 01.50	127 54.80	55 06 06	55 06 08	2 60	20	132	EKMN
Q.C. SOUND	5 51 01.50	127 54.80	55 06 06	55 06 08	2 60	30	132	EKMN
Q.C. SOUND	5 51 01.50	127 54.80	55 06 06	55 06 08	2 60	50	132	EKMN
Q.C. SOUND	5 51 01.50	127 54.80	55 06 06	55 06 08	2 60	75	132	EKMN
Q.C. SOUND	5 51 01.50	127 54.80	55 06 06	55 06 08	2 60	100	132	EKMN
Q.C. SOUND	5 51 01.50	127 54.80	55 06 06	55 06 08	2 60	120	132	EKMN
Q.C. SOUND	9 50 55.70	129 06.00	55 06 01	55 06 03	2 60	0	84	DRAG
Q.C. SOUND	9 50 55.70	129 06.00	55 06 01	55 06 03	2 60	10	84	EKMN
Q.C. SOUND	9 50 55.70	129 06.00	55 06 01	55 06 03	2 60	20	84	EKMN
Q.C. SOUND	9 50 55.70	129 06.00	55 06 01	55 06 03	2 60	30	84	EKMN
Q.C. SOUND	9 50 55.70	129 06.00	55 06 01	55 06 03	2 60	50	84	EKMN

Q.C. SOUND	9 50 55.70	129 06.00	55 06 01	55 06 03	2 60	75	84	EKMN
Q.C. STRAIT	T 50 49.50	127 15.80	55 06 06	55 06 08	2 60	10	60	EKMN
Q.C. STRAIT	T 50 49.50	127 15.80	55 06 06	55 06 08	2 60	20	60	EKMN
Q.C. STRAIT	T 50 49.50	127 15.80	55 06 06	55 06 08	2 60	30	60	EKMN
Q.C. STRAIT	T 50 49.50	127 15.80	55 06 06	55 06 08	2 60	50	60	EKMN
Q.C. SOUND	14 51 19.70	128 27.00	55 06 04	55 06 05	1 60	0	124	DRAG
Q.C. SOUND	14 51 19.70	128 27.00	55 06 04	55 06 05	1 60	10	124	EKMN
Q.C. SOUND	14 51 19.70	128 27.00	55 06 04	55 06 05	1 60	20	124	EKMN
Q.C. SOUND	14 51 19.70	128 27.00	55 06 04	55 06 05	1 60	30	124	EKMN
Q.C. SOUND	14 51 19.70	128 27.00	55 06 04	55 06 05	1 60	50	124	EKMN
Q.C. SOUND	14 51 19.70	128 27.00	55 06 04	55 06 05	1 60	75	124	EKMN
Q.C. SOUND	14 51 19.70	128 27.00	55 06 04	55 06 05	1 60	100	124	EKMN
HECATE STRAIT	46 53 46.00	131 15.00	55 06 15	55 06 15	1 60	0	40	DRAG
HECATE STRAIT	46 53 46.00	131 15.00	55 06 15	55 06 15	1 60	10	40	EKMN
HECATE STRAIT	46 53 46.00	131 15.00	55 06 15	55 06 15	1 60	20	40	EKMN
HECATE STRAIT	46 53 46.00	131 15.00	55 06 15	55 06 15	1 60	30	40	EKMN
HECATE STRAIT	46 53 46.00	131 15.00	55 06 15	55 06 15	1 60	35	40	EKMN
DIXON ENTRANCE	60-61 54 41.00	131 20.00	55 06 14	55 06 14	1 60	0	176	DRAG
DIXON ENTRANCE	60-61 54 41.00	131 20.00	55 06 14	55 06 14	1 60	10	176	EKMN
DIXON ENTRANCE	60-61 54 41.00	131 20.00	55 06 14	55 06 14	1 60	20	176	EKMN
DIXON ENTRANCE	60-61 54 41.00	131 20.00	55 06 14	55 06 14	1 60	30	176	EKMN
DIXON ENTRANCE	60-61 54 41.00	131 20.00	55 06 14	55 06 14	1 60	50	176	EKMN
DIXON ENTRANCE	60-61 54 41.00	131 20.00	55 06 14	55 06 14	1 60	75	176	EKMN
DIXON ENTRANCE	60-61 54 41.00	131 20.00	55 06 14	55 06 14	1 60	100	176	EKMN
DIXON ENTRANCE	60-61 54 41.00	131 20.00	55 06 14	55 06 14	1 60	150	176	EKMN

CURRENT METER DATA SET NUMBER: 61-0022
YEAR:1961 VESSEL/AGENCY: EHKOLI,POG

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
		P T C							
PORPOISE HBR	P14A 54 14.59	130 18.40	61 09 17	61 09 18	1 60	0	22	DRAG	
PORPOISE HBR	P14A 54 14.59	130 18.40	61 09 17	61 09 18	1 60	5	22	DRAG	
PORPOISE HBR	P14A 54 14.59	130 18.40	61 09 17	61 09 18	1 60	10	22	DRAG	
PORPOISE HBR	P14A 54 14.59	130 18.40	61 09 17	61 09 18	1 60	15	22	DRAG	
PORPOISE HBR	P14A 54 14.59	130 18.40	61 09 17	61 09 18	1 60	20	22	DRAG	

CURRENT METER DATA SET NUMBER: 62-0018
YEAR:1962 VESSEL/AGENCY: OSHAWA

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
		P T C							
DIXON ENTRANCE	A 54 33.00	132 02.00	62 09 24	62 09 26	2	0	263		
DIXON ENTRANCE	A 54 33.00	132 02.00	62 09 24	62 09 26	2	50	263		
DIXON ENTRANCE	A 54 33.00	132 02.00	62 09 24	62 09 26	2	100	263		
DIXON ENTRANCE	A 54 33.00	132 02.00	62 09 24	62 09 26	2	150	263		
DIXON ENTRANCE	A 54 33.00	132 02.00	62 09 24	62 09 26	2	200	263		
DIXON ENTRANCE	B 54 26.00	132 00.00	62 10 01	62 10 03	2	0	320		
DIXON ENTRANCE	B 54 26.00	132 00.00	62 10 01	62 10 03	2	50	320		
DIXON ENTRANCE	B 54 26.00	132 00.00	62 10 01	62 10 03	2	100	320		
DIXON ENTRANCE	B 54 26.00	132 00.00	62 10 01	62 10 03	2	150	320		
DIXON ENTRANCE	B 54 26.00	132 00.00	62 10 01	62 10 03	2	200	320		
DIXON ENTRANCE	C 54 17.00	132 00.00	62 10 08	62 10 09	1	0	198		
DIXON ENTRANCE	C 54 17.00	132 00.00	62 10 08	62 10 09	1	50	198		
DIXON ENTRANCE	C 54 17.00	132 00.00	62 10 08	62 10 09	1	100	198		
DIXON ENTRANCE	C 54 17.00	132 00.00	62 10 08	62 10 09	1	150	198		

CURRENT METER DATA SET NUMBER: 62-0020
YEAR: 1962 VESSEL/AGENCY: EHKOLI'

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR

COUSINS INLET	0-10A	52 21.10	127 42.25	62 04 25	62 04 26	1 60	0	49
COUSINS INLET	0-10A	52 21.10	127 42.25	62 04 25	62 04 26	1 60	5	49
COUSINS INLET	0-10A	52 21.10	127 42.25	62 04 25	62 04 26	1 60	10	49
COUSINS INLET	0-10A	52 21.10	127 42.25	62 04 25	62 04 26	1 60	15	49
COUSINS INLET	0-10A	52 21.10	127 42.25	62 04 25	62 04 26	1 60	20	49
COUSINS INLET	0-10A	52 21.10	127 42.25	62 04 25	62 04 26	1 60	30	49
COUSINS INLET	0-10A	52 21.10	127 42.25	62 04 25	62 04 26	1 60	40	49

CURRENT METER DATA SET NUMBER: 64-0012
YEAR: 1964 VESSEL/AGENCY: EHKOLI

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR

KITIMAT HARBOR	K-9A	53 59.50	128 40.50	64 10 17	64 10 19	2 30	0	46
KITIMAT HARBOR	K-9A	53 59.50	128 40.50	64 10 17	64 10 19	2 60	5	46
KITIMAT HARBOR	K-9A	53 59.50	128 40.50	64 10 17	64 10 19	2 60	10	46
KITIMAT HARBOR	K-9A	53 59.50	128 40.50	64 10 17	64 10 19	2 60	15	46
KITIMAT HARBOR	K-9A	53 59.50	128 40.50	64 10 17	64 10 19	2 60	20	46
KITIMAT HARBOR	K-9A	53 59.50	128 40.50	64 10 17	64 10 19	2 60	30	46
KITIMAT HARBOR	K-9A	53 59.50	128 40.50	64 10 17	64 10 19	2 60	40	46
PRINCE RUPERT	P-4A	54 14.00	130 20.50	64 10 24	64 10 26	2 30	0	40
PRINCE RUPERT	P-4A	54 14.00	130 20.50	64 10 24	64 10 26	2 60	5	40
PRINCE RUPERT	P-4A	54 14.00	130 20.50	64 10 24	64 10 26	2 60	10	40
PRINCE RUPERT	P-4A	54 14.00	130 20.50	64 10 24	64 10 26	2 60	15	40
PRINCE RUPERT	P-4A	54 14.00	130 20.50	64 10 24	64 10 26	2 60	20	40
PRINCE RUPERT	P-4A	54 14.00	130 20.50	64 10 24	64 10 26	2 60	30	40

CURRENT METER DATA SET NUMBER: 67-0023
YEAR: 1967 VESSEL/AGENCY: VELELLA

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR

BURKE CHANNEL	1C	52 22.10	126 53.10	67 04 09	67 04 19	10 20	2	358 NEYR
BURKE CHANNEL	1N	52 22.40	126 53.50	67 04 09	67 05 01	22 20	2	230 NEYR
BURKE CHANNEL	1S	52 21.80	126 52.90	67 04 09	67 04 11	2 20	2	73 NEYR
BURKE CHANNEL	1S	52 21.80	126 52.90	67 04 23	67 04 26	3 20	2	73 NEYR
BURKE CHANNEL	2C	52 17.40	126 58.00	67 04 11	67 04 19	8 20	2	543 NEYR
BURKE CHANNEL	2C	52 17.40	126 58.00	67 05 15	67 05 15	1 20	2	543 NEYR
BURKE CHANNEL	2N	52 17.70	126 57.30	67 04 11	67 04 29	18 20	2	183 NEYR
BURKE CHANNEL	2N	52 17.70	126 57.30	67 05 11	67 05 17	6 20	2	183 NEYR
BURKE CHANNEL	2S	52 17.10	126 58.80	67 04 11	67 04 20	9 20	2	183 NEYR
BURKE CHANNEL	2S	52 17.10	126 58.80	67 04 30	67 05 17	17 20	2	183 NEYR
BURKE CHANNEL	3C	52 19.40	127 06.60	67 04 11	67 04 12	1 20	2	246 NEYR
BURKE CHANNEL	3C	52 19.40	127 06.60	67 04 21	67 05 11	20 20	2	246 NEYR
BURKE CHANNEL	3E	52 19.90	127 06 40	67 04 29	67 04 30	1 20	2	64 NEYR
BURKE CHANNEL	3W	52 18.70	127 06.80	67 04 30	67 05 11	11 20	2	183 NEYR
BURKE CHANNEL	4C	52 23.70	127 13.50	67 05 05	67 05 17	12 20	2	264 NEYR
BURKE CHANNEL	4E	52 23.60	127 12.80	67 05 05	67 05 17	12 20	2	91 NEYR
BURKE CHANNEL	4W	52 23.90	127 14.30	67 05 05	67 05 17	12 20	2	91 NEYR
BURKE CHANNEL	5N	52 18.20	127 14.10	67 05 12	67 05 18	6 20	2	183 NEYR
BURKE CHANNEL	5S	52 17.70	127 12.40	67 05 12	67 05 18	6 20	2	91 NEYR
BURKE CHANNEL	6C	51 55.60	127 51.60	67 05 20	67 05 27	7 20	2	69 NEYR
BURKE CHANNEL	6N	51 55.90	127 52.10	67 05 20	67 06 08	19 20	2	91 NEYR

BURKE CHANNEL	6S 51 55.20	127 51.10	67 05 20	67 05 27	7 20	2	128	NEYR
FISHER CHANNEL	7C 51 56.90	127 56.00	67 05 20	67 06 06	17 20	2	344	NEYR
FISHER CHANNEL	7E 51 57.00	127 54.70	67 05 20	67 06 08	19 20	2	70	NEYR
FISHER CHANNEL	7W 51 56.80	127 57.20	67 05 20	67 06 08	19 20	2	183	NEYR

CURRENT METER DATA SET NUMBER: 68-0025
YEAR:1968 VESSEL/AGENCY: SEDCO135F

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTH	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
							P T C	

HECATE STRAIT	B-10 52 49.10	131 00.70	68 05 27	68 06 01	5	4	60
HECATE STRAIT	B-10 52 49.10	131 00.70	68 05 27	68 06 01	5	59	60
HECATE STRAIT	B-10 52 49.10	131 00.70	68 05 29	68 06 12	14 20	4	60
HECATE STRAIT	B-10 52 49.10	131 00.70	68 06 13	68 06 24	11 20	4	60
HECATE STRAIT	B-10 52 49.10	131 00.70	68 06 26	68 06 30	4 20	4	60
HECATE STRAIT	G-41 52 20.30	130 36.50	68 08 20	68 08 27	7	75	169
HECATE STRAIT	N-39 53 18.90	131 20.30	68 04 22	68 04 24	2	4	26
HECATE STRAIT	N-39 53 18.90	131 20.30	68 04 22	68 04 24	2	25	26
HECATE STRAIT	N-39 53 18.90	131 20.30	68 04 24	68 05 05	11 20	4	26
HECATE STRAIT	O-86 51 55.10	129 58.20	68 10 04	68 10 13	9	75	135

CURRENT METER DATA SET NUMBER: 74-0043
YEAR:1974 VESSEL/AGENCY: DOBROCKY

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTH	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
							P T C	

PORT SIMPSON	S3 54 35.	130 25.	74 11 07	74 11 08	1	2	HELE
PORT SIMPSON	S3 54 35.	130 25.	74 11 07	74 11 08	1	10	HELE
PORT SIMPSON	S3 54 35.	130 25.	74 11 07	74 11 08	1	20	HELE
PORT SIMPSON	S3 54 35.	130 25.	74 11 07	74 11 08	1	35	HELE

CURRENT METER DATA SET NUMBER: 76-0050
YEAR:1976 VESSEL/AGENCY: DOBROCKY

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTH	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
							P T C	

ALICE ARM	E4 55 27.32	129 29.65	76 08 16	76 09 21	35 10	5	110 AAND	X X
ALICE ARM	E4 55 27.32	129 29.65	76 08 16	76 09 21	35 10	54	110 AAND	X X
ALICE ARM	E4 55 27.32	129 29.65	76 08 16	76 09 21	35 10	97	110 AAND	X X
ALICE ARM	F15 55 27.02	129 38.05	76 08 17	76 09 22	35 10	10	371 AAND	X X
ALICE ARM	F15 55 27.02	129 38.05	76 08 17	76 09 22	35 10	182	371 AAND	X X

CURRENT METER DATA SET NUMBER: 76-0062
YEAR:1976 VESSEL/AGENCY: DOBROCKY

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTH	INST	ADDITIONAL
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
							P	T	C

ALICE ARM	E4	55 27.32	129 29.65	76 09 23	76 12 09	77 15	10	110	AAND XX
ALICE ARM	E4	55 27.32	129 29.65	76 09 23	76 12 09	77 15	51	110	AAND XX
ALICE ARM	E4	55 27.32	129 29.65	76 09 23	76 12 09	77 15	97	110	AAND XX
ALICE ARM	F15	55 27.02	129 38.05	76 09 23	76 12 10	78 15	182	371	AAND XX
ALICE ARM	F15	55 27.02	129 38.05	76 09 23	76 12 10	78 15	360	371	AAND XX

CURRENT METER DATA SET NUMBER: 76-0063
YEAR:1976 VESSEL/AGENCY: DOBROCKY

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTH	INST	ADDITIONAL
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
							P	T	C

ALICE ARM	E4	55 27.32	129 29.65	76 12 11	77 03 10	89 15	55	110	AAND XX
ALICE ARM	E4	55 27.32	129 29.65	76 12 11	77 03 10	89 15	105	110	AAND XX
ALICE ARM	F15	55 27.02	129 38.05	76 12 11	77 03 10	89 15	10	371	AAND XX
ALICE ARM	F15	55 27.02	129 38.05	76 12 11	77 03 10	89 15	189	371	AAND XX
ALICE ARM	F15	55 27.02	129 38.05	76 12 11	77 03 10	89 15	374	371	AAND XX

CURRENT METER DATA SET NUMBER: 77-0042
YEAR:1977 VESSEL/AGENCY: SEALION

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTH	INST	ADDITIONAL
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
							P	T	C

KITIMAT	CM01	53 56.70	128 41.25	77 07 10	77 09 27	79 15	40	207	AAND XXX
KITIMAT	CM01	53 56.70	128 41.25	77 07 10	77 09 27	79 15	104	207	AAND XXX
KITIMAT	CM01	53 56.70	128 41.25	77 07 10	77 09 27	79 15	168	207	AAND XXX
KITIMAT	CM02	53 30.78	129 12.00	77 07 09	77 09 27	80 15	40	371	AAND XXX
KITIMAT	CM02	53 30.78	129 12.00	77 07 09	77 09 27	80 15	172	371	AAND XXX
KITIMAT	CM02	53 30.78	129 12.00	77 07 09	77 09 27	80 15	304	371	AAND XXX
KITIMAT	CM02	53 30.79	129 12.50	77 09 27	77 12 12	76 15	40	AAND XXX	
KITIMAT	CM02	53 30.79	129 12.50	77 09 27	77 12 12	76 15	172	AAND XXX	
KITIMAT	CM02	53 30.79	129 12.50	77 09 27	77 12 12	76 15	304	AAND XXX	
KITIMAT	CM02	53 30.79	129 12.50	77 09 27	77 12 12	76 15	40	AAND XXX	
KITIMAT	CM02	53 30.79	129 12.50	77 12 12	78 03 07	85 15	172	AAND XXX	
KITIMAT	CM02	53 30.79	129 12.50	77 12 12	78 03 07	85 15	304	AAND XXX	
KITIMAT	CM02	53 30.79	129 12.50	77 12 12	78 03 07	85 15	40	AAND XXX	
KITIMAT	CM02	53 30.79	129 12.50	77 12 12	78 03 07	85 15	172	AAND XXX	
KITIMAT	CM02	53 30.79	129 12.50	77 12 12	78 03 07	85 15	304	AAND XXX	
KITIMAT	CM03	53 30.10	129 12.10	77 07 11	77 09 27	78 15	5	AAND XXX	
KITIMAT	CM03	53 30.10	129 12.10	77 07 11	77 09 27	78 15	17	AAND XXX	
KITIMAT	CM03	53 30.10	129 12.10	77 09 27	77 12 12	76 15	5	AAND XXX	
KITIMAT	CM03	53 30.10	129 12.10	77 09 27	77 12 12	76 15	17	AAND XXX	
KITIMAT	CM03	53 30.10	129 12.10	77 09 27	77 12 12	76 15	18	AAND XXX	
KITIMAT	CM03	53 30.10	129 12.10	77 12 12	77 31	85 15	15	AAND XXX	
KITIMAT	CM04	52 59.88	129 14.90	77 07 08	77 09 26	80 15	40	AAND XXX	
KITIMAT	CM04	52 59.88	129 14.90	77 07 08	77 09 26	80 15	153	AAND XXX	
KITIMAT	CM04	52 59.88	129 14.90	77 07 08	77 09 26	80 15	266	AAND XXX	
KITIMAT	CM04	52 59.91	129 14.90	77 07 08	77 09 26	80 15	40	AAND XXX	
KITIMAT	CM04	52 59.91	129 14.90	77 09 26	77 12 07	72 15	40	AAND XXX	
KITIMAT	CM04	52 59.91	129 14.90	77 09 26	77 12 07	72 15	153	AAND XXX	
KITIMAT	CM04	52 59.91	129 14.90	77 09 26	77 12 07	72 15	266	AAND XXX	
KITIMAT	CM05	53 24.60	129 07.90	77 09 28	77 12 08	72 15	40	AAND XXX	
KITIMAT	CM05	53 24.60	129 07.90	77 09 28	77 12 08	72 15	147	AAND XXX	
KITIMAT	CM05	53 24.60	129 07.90	77 09 28	77 12 08	72 15	254	AAND XXX	
KITIMAT	CM06	53 44.95	128 49.25	77 09 28	77 12 11	75 15	40	AAND XXX	
KITIMAT	CM06	53 44.95	128 49.25	77 09 28	77 12 11	75 15	153	AAND XXX	
KITIMAT	CM06	53 44.95	128 49.25	77 09 28	77 12 11	75 15	266	AAND XXX	
KITIMAT	CM06	53 12.00	129 31.80	77 12 10	78 03 06	88 15	40	AAND XXX	
KITIMAT	CM06	53 12.00	129 31.80	77 12 10	78 03 06	88 15	136	AAND XXX	

KITIMAT	CM08	53	12.00	129	31.80	77	12	10	78	03	06	88	15	228	AAND	X X
KITIMAT	CM09	53	08.75	129	22.50	77	12	13	78	03	06	85	15	444	AAND	X X
KITIMAT	CM10	53	32.46	129	00.60	77	12	05	77	12	17	12	15	3	AAND	X X X
KITIMAT	CM10	53	32.46	129	00.60	77	12	05	77	12	17	12	15	10	AAND	X X X
KITIMAT	CM10	53	32.46	129	00.60	77	12	05	77	12	17	12	15	20	AAND	X X X
KITIMAT	CM11	53	40.75	128	49.80	77	12	09	77	12	17	8	15	3	AAND	X X X
KITIMAT	CM11	53	40.75	128	49.80	77	12	09	77	12	17	8	15	15	AAND	X X X
KITIMAT	CM11	53	40.75	128	49.80	77	12	09	77	12	17	8	15	60	AAND	X X X

CURRENT METER DATA SET NUMBER: 77-0042D
YEAR:1977 VESSEL/AGENCY: SEALION

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT							
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR							
						P T C										
KITIMAT	CM02	53	30.78	129	12.20	78	03	07	78	06	10	94	15	40	AAND	X X X
KITIMAT	CM02	53	30.78	129	12.20	78	03	07	78	06	10	94	15	172	AAND	X X
KITIMAT	CM02	53	30.78	129	12.20	78	03	07	78	06	10	94	15	304	AAND	X X
KITIMAT	CM12	53	24.70	129	23.90	78	03	08	78	06	09	94	15	37	AAND	X X X
KITIMAT	CM12	53	24.70	129	23.90	78	03	08	78	06	09	94	15	157	AAND	X X X
KITIMAT	CM15	53	12.20	129	07.38	78	03	08	78	06	09	94	15	40	AAND	X X X
KITIMAT	CM15	53	12.20	129	07.38	78	03	08	78	06	09	94	15	240	AAND	X X
KITIMAT	CM15	53	12.20	129	07.38	78	03	08	78	06	09	94	15	440	AAND	X X

CURRENT METER DATA SET NUMBER: 77-0057
YEAR:1977 VESSEL/AGENCY: PARIZEAU

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT							
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR							
						P T C										
CAAMANO SOUND	C01	52	52.7	129	53.8	77	05	20	77	07	16	57	15	15	188	AAND X X X
CAAMANO SOUND	C01	52	52.9	129	54.3	77	07	16	77	09	23	69	15	20	188	AAND X X X
CAAMANO SOUND	C02	52	55.0	129	37.0	77	07	16	77	09	23	69	15	200	205	AAND X X X
CAAMANO SOUND	C02	52	55.0	129	37.0	77	05	20	77	07	16	57	15	200	205	AAND X X
CAAMANO SOUND	C02	52	55.0	129	37.0	77	07	04	77	07	16	12	15	23	205	AAND X X X
CAAMANO SOUND	C02	52	55.0	129	37.0	77	07	16	77	09	21	67	15	15	205	AAND X X X
CAAMANO SOUND	C03	52	54.0	129	19.0	77	05	20	77	07	16	57	15	20	250	AAND X X X
CAAMANO SOUND	C03	52	54.2	129	19.4	77	07	16	77	08	21	36	15	20	250	AAND X X X
HECATE STRAIT	H01	53	28.8	130	45.7	77	07	18	77	09	24	68	15	150	164	AAND X X
HECATE STRAIT	H01	53	28.8	130	45.7	77	07	18	77	09	24	68	15	15	164	AAND X X
HECATE STRAIT	H01	53	28.9	130	46.2	77	05	21	77	07	18	58	15	15	164	AAND X X
HECATE STRAIT	H01	53	28.9	130	46.2	77	05	21	77	07	18	58	15	150	164	AAND X X
HECATE STRAIT	H02	53	41.3	130	31.5	77	05	21	77	07	18	58	15	17	50	AAND X X X
HECATE STRAIT	H02	53	41.2	130	31.5	77	07	18	77	08	12	25	15	17	50	AAND X X X
OTTER CHANNEL	001	53	11.9	129	30.1	77	05	20	77	07	18	59	15	15	275	AAND X X
Q.C. SOUND	Q03	50	58.5	129	17.6	77	05	18	77	07	15	58	15	15	159	AAND X X X
Q.C. SOUND	Q03	50	58.5	129	17.6	77	05	18	77	07	15	58	15	150	159	AAND X X X
Q.C. SOUND	Q03	50	58.9	129	16.9	77	07	15	77	09	20	67	15	9	159	AAND X X X
Q.C. SOUND	Q03	50	58.9	129	16.9	77	07	15	77	09	20	67	15	150	159	AAND X X X
Q.C. SOUND	Q04	51	18.9	129	02.0	77	07	14	77	10	20	68	15	15	260	AAND X X X
Q.C. SOUND	Q04	51	18.9	129	02.0	77	07	14	77	10	20	0	15	250	260	AAND X X X
Q.C. SOUND	Q04	51	19.3	129	01.6	77	05	18	77	07	14	57	15	15	260	AAND X X X
Q.C. SOUND	Q04	51	19.3	129	01.6	77	05	18	77	07	14	57	15	255	260	AAND X X X
Q.C. SOUND	Q05	51	22.0	130	01.0	77	05	18	77	07	19	62	15	9	269	AAND X X X
Q.C. SOUND	Q05	51	22.0	130	01.0	77	05	18	77	07	19	62	15	255	269	AAND X X
Q.C. SOUND	Q07	52	20.5	130	17.5	77	05	22	77	07	17	56	15	10	350	AAND X X
Q.C. SOUND	Q07	52	20.5	130	17.5	77	05	22	77	07	17	56	15	345	350	AAND X X
Q.C. SOUND	Q07	52	20.2	130	19.5	77	07	17	77	08	01	15	15	320	350	AAND X X
Q.C. SOUND	Q07	52	20.2	130	19.5	77	07	17	77	10	21	66	15	10	350	AAND X X
Q.C. SOUND	Q08	52	21.0	129	30.0	77	05	19	77	07	17	59	15	18	164	AAND X X X
Q.C. SOUND	Q08	52	20.9	129	29.6	77	07	17	77	08	18	32	15	18	164	AAND X X X
Q.C. SOUND	Q08	52	20.9	129	29.6	77	07	17	77	09	23	68	15	160	164	AAND X X X
Q.C. SOUND	Q08	52	21.0	129	30.0	77	05	19	77	07	17	59	15	160	164	AAND X X X

CURRENT METER DATA SET NUMBER: 77-0076
 YEAR:1977 VESSEL/AGENCY: DOBROCKY

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE
									SENSOR
						P T C			

ALICE ARM	E4	55 27.32	129 29.65	77 03 12	77 06 15	95 15	5	110	AAND	X X
ALICE ARM	E4	55 27.32	129 29.65	77 03 12	77 06 15	95 15	54	110	AAND	X X
ALICE ARM	E4	55 27.32	129 29.65	77 03 12	77 06 15	95 15	97	110	AAND	X X
ALICE ARM	F15	55 27.02	129 38.05	77 03 12	77 06 16	95 15	10	371	AAND	X X
ALICE ARM	F15	55 27.02	129 38.05	77 03 12	77 06 16	95 15	360	371	AAND	X X

CURRENT METER DATA SET NUMBER: 77-0077
 YEAR:1977 VESSEL/AGENCY: DOBROCKY

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE
						P T C			

ALICE ARM	E4	55 27.32	129 29.65	77 06 17	77 09 20	73 15	5	110	AAND	X X
ALICE ARM	E4	55 27.32	129 29.65	77 06 17	77 09 20	95 15	54	110	AAND	X X
ALICE ARM	E4	55 27.32	129 29.65	77 06 17	77 09 20	95 15	97	110	AAND	X X
ALICE ARM	F15	55 27.02	129 38.05	77 06 17	77 09 21	96 15	182	371	AAND	X X
ALICE ARM	F15	55 27.02	129 38.05	77 06 17	77 09 21	96 15	360	371	AAND	X X

CURRENT METER DATA SET NUMBER: 77-0079
 YEAR:1977 VESSEL/AGENCY: ASSOC.ENG.

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE
						P T C			

PRINCE RUPERT	3 54 18.8	130 20.7	77 07 04	77 07 15	11 5	35	36	AAND	X X X
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CURRENT METER DATA SET NUMBER: 81-0018
 YEAR:1981 VESSEL/AGENCY: PARIZEAU, IOS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE
						P T C			

ALICE ARM	AASIL	55 24.95	129 40.60	81 12 05	82 01 15	40 15	18	AAND	X X
ALICE ARM	AASL	55 24.95	129 40.60	81 12 05	82 01 25	51 15	48	AAND	X X
OBSERVATORY IN OBS11	55 03.20	130 00.40	81 12 03	82 01 24	51 15	19	AAND	X X	
OBSERVATORY IN OBS21	55 05.05	129 59.01	81 12 03	82 01 24	51 15	13	AAND	X X	
OBSERVATORY IN OBS21	55 05.05	129 59.01	81 12 03	82 01 24	51 15	53	AAND	X X	
OBSERVATORY IN OBS21	55 05.05	129 59.01	81 12 03	82 01 24	51 15	103	AAND	X X	
OBSERVATORY IN OBS31	55 19.85	129 47.01	81 12 03	82 01 24	52 15	72	AAND	X X	
OBSERVATORY IN OBS31	55 19.85	129 47.01	81 12 03	82 01 24	52 15	105	AAND	X X	
OBSERVATORY IN OBS31	55 19.85	129 47.01	81 12 03	82 01 24	52 15	165	AAND	X X	
OBSERVATORY IN OBS11	55 03.20	130 04.00	81 12 03	82 01 24	52 15	59	NB	X	

CURRENT METER DATA SET NUMBER: 81-0057
 YEAR:1981 VESSEL/AGENCY: DOBROCKY/AMAX

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
		P	T	C					
ALICE ARM	ALICE	55 25.50	129 40.03	81 04 11	81 07 27	108 20	50	AAND	X X X
ALICE ARM	ALICE	55 25.50	129 40.03	81 04 11	81 07 27	108 20	100	AAND	X X X
ALICE ARM	ALICE	55 25.50	129 40.03	81 04 11	81 07 27	108 20	150	AAND	X X X
ALICE ARM	ALICE	55 27.00	129 29.00	81 04 10	81 07 27	109 20	50	AAND	X X X
ALICE ARM	ALICE	55 27.00	129 29.00	81 04 10	81 07 27	109 20	100	AAND	X X X

CURRENT METER DATA SET NUMBER: 81-0058
 YEAR:1981 VESSEL/AGENCY: DOBROCKY/AMAX

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
		P	T	C					
ALICE ARM	ALICE	55 25.50	129 40.03	81 07 30	81 09 25	56 20	75	AAND	X X X
ALICE ARM	ALICE	55 25.50	129 40.03	81 07 30	81 09 25	56 20	125	AAND	X X X
ALICE ARM	ALICE	55 27.00	129 29.00	81 07 29	81 09 24	57 20	50	AAND	X X X
ALICE ARM	ALICE	55 27.00	129 29.00	81 07 29	81 09 24	57 20	100	AAND	X X X

CURRENT METER DATA SET NUMBER: 81-0059
 YEAR:1981 VESSEL/AGENCY: DOBROCKY/AMAX

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
		P	T	C					
ALICE ARM	E-4-2	55 27.00	129 29.00	81 09 27	81 11 22	57 20	50	AAND	X X X
ALICE ARM	E-4-2	55 27.00	129 29.00	81 09 27	81 11 22	57 20	100	AAND	X X X
ALICE ARM	SILL	55 25.50	129 40.30	81 09 27	81 11 21	55 20	50	AAND	X X X
ALICE ARM	SILL	55 25.50	129 40.30	81 09 27	81 11 21	55 20	100	AAND	X X X
ALICE ARM	SILL	55 25.50	129 40.30	81 09 27	81 11 21	55 20	150	AAND	X X X

CURRENT METER DATA SET NUMBER: 81-0060
 YEAR:1981 VESSEL/AGENCY: DOBROCKY/AMAX

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
		P	T	C					
ALICE ARM	E-4-3	55 27.00	129 29.00	81 11 24	82 01 15	53 20	50	AAND	X X X
ALICE ARM	E-4-3	55 27.00	129 29.00	81 11 24	82 01 15	53 20	100	AAND	X X X
ALICE ARM	SILL	55 25.50	129 40.30	81 11 25	82 01 17	53 20	50	AAND	X X X
ALICE ARM	SILL	55 25.50	129 40.30	81 11 25	82 01 17	53 20	100	AAND	X X X
ALICE ARM	SILL	55 25.50	129 40.30	81 11 25	82 01 17	53 20	150	AAND	X X X

CURRENT METER DATA SET NUMBER: 81-0069
 YEAR:1981 VESSEL/AGENCY: IOS,PARIZEAU

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P T C						

QUEEN CH.SOUND	Q06	51 51.95	130 29.27	81 09 04	82 01 31	30	50	RCM4
QUEEN CH.SOUND	Q06	51 51.95	130 29.27	81 09 04	82 01 31	30	100	RCM4
QUEEN CH.SOUND	Q06	51 51.95	130 29.27	81 09 04	82 01 31	30	270	RCM4

CURRENT METER DATA SET NUMBER: 82-0034
 YEAR:1982 VESSEL/AGENCY: IOS,PARIZEAU

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P T C						

QUEEN CH.SOUND	Q06	51 52.01	130 28.90	82 01 31	82 05 30	30	25	RCM4 X X
QUEEN CH.SOUND	Q06	51 52.01	130 28.90	82 01 31	82 05 30	30	100	RCM4 X X
ALICE ARM	AASIL	55 24.95	129 40.60	82 01 26	82 03 31	64 15	17	AAND X X
ALICE ARM	AASIL	55 24.95	129 40.60	82 01 26	82 03 10	42 15	17	AAND X X
OBSERVATORY IN OBS32	55 19.85	129 47.01	82 01 25	82 02 22	27 15	14	AAND X X	
OBSERVATORY IN OBS32	55 19.85	129 47.01	82 01 25	82 01 31	5 15	44	AAND X X	
OBSERVATORY IN OBS32	55 19.85	129 47.01	82 01 25	82 03 31	65 15	104	AAND X X	
OBSERVATORY IN OBS22	55 05.50	129 59.10	82 01 26	82 03 30	62 15	11	AAND X X	
OBSERVATORY IN OBS22	55 05.50	129 59.10	82 01 26	82 03 30	62 15	52	AAND X X	
OBSERVATORY IN OBS22	55 05.50	129 59.10	82 01 26	82 03 30	62 15	102	AAND X X	
OBSERVATORY IN OBS12	55 03.20	130 04.00	82 01 26	82 03 30	63 15	29	AAND X X	
OBSERVATORY IN OBS11	55 03.20	130 04.00	82 01 26	82 03 30	63 15	69	NB X	

CURRENT METER DATA SET NUMBER: 82-0036
 YEAR:1982 VESSEL/AGENCY: VECTOR,IOS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P T C						

ALICE ARM	AASIL	55 24.95	129 40.60	82 06 12	82 09 01	80 15	14	AAND X X
ALICE ARM	AASIL	55 24.95	129 40.60	82 06 12	82 09 01	80 15	47	AAND X X
OBSERVATORY IN OBS14	55 03.20	130 04.00	82 06 10	82 06 20	10 15	10	AAND X X	
OBSERVATORY IN OBS14	55 03.20	130 04.00	82 06 09	82 06 20	10 15	50	NB	
OBSERVATORY IN OBS24	55 05.50	129 59.10	82 06 10	82 06 20	10 15	13	AAND X X	

CURRENT METER DATA SET NUMBER: 82-0037
 YEAR:1982 VESSEL/AGENCY: PARIZEAU,IOS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P T C						

ALICE ARM	AASIL	55 24.95	129 40.60	82 09 03	82 11 27	85 15	13	AAND X X
ALICE ARM	AASIL	55 24.95	129 40.60	82 09 03	82 11 27	85 15	43	AAND X X
OBSERVATORY IN OBS15	55 03.20	130 04.00	82 08 31	82 11 27	87 15	19	AAND X X	
OBSERVATORY IN OBS15	55 03.20	130 04.00	82 08 31	82 09 12	11 15	59	NB	
OBSERVATORY IN OBS25	55 05.50	129 59.10	82 08 31	82 11 26	87 15	12	AAND X X	
OBSERVATORY IN OBS25	55 05.50	129 59.10	82 08 31	82 11 26	87 15	52	AAND X X	

OBSERVATORY IN OBS25	55 05.50	129 59.10	82 08 31	82 11 26	87 15	102	AAND	X X
OBSERVATORY IN OBS35	55 19.85	129 47.01	82 09 03	82 11 27	85 15	16	AAND	X X
OBSERVATORY IN OBS35	55 19.85	129 47.01	82 09 03	82 11 27	85 15	48	AAND	X X
OBSERVATORY IN OBS35	55 19.85	129 47.01	82 09 03	82 11 27	85 15	108	AAND	X X

CURRENT METER DATA SET NUMBER: 82-0038
YEAR:1982 VESSEL/AGENCY: VECTOR, IOS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
		P	T	C					

ALICE ARM	AASIL	55 24.95	129 40.60	82 11 28	83 01 16	48 15	15	AAND	X X
ALICE ARM	AASIL	55 24.95	129 40.60	82 11 28	83 01 16	49 15	45	AAND	X X
OBSERVATORY IN OBS26	55 05.50	129 59.10	82 11 27	83 01 17	51 15	13	AAND	X X	
OBSERVATORY IN OBS26	55 05.50	129 59.10	82 11 27	83 01 17	51 15	53	AAND	X X	
OBSERVATORY IN OBS26	55 05.50	129 59.10	82 11 27	83 01 15	49 15	103	AAND	X X	
OBSERVATORY IN OBS16	55 03.20	130 04.00	82 11 27	83 01 17	51 15	13	AAND	X X	
OBSERVATORY IN OBS16	55 03.02	130 04.00	82 11 27	83 01 17	51 15	53	NB	X	
OBSERVATORY IN OBS36	55 19.85	129 47.01	82 11 28	83 01 16	49 15	76	AAND	X X	
OBSERVATORY IN OBS36	55 19.85	129 47.01	82 11 28	83 01 16	49 15	104	AAND	X X	
OBSERVATORY IN OBS36	55 19.85	129 47.01	82 11 28	83 01 16	49 15	164	AAND	X X	

CURRENT METER DATA SET NUMBER: 82-0039
YEAR:1982 VESSEL/AGENCY: VECTOR, IOS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
		P	T	C					

ALICE ARM	AASIL	55 24.95	129 40.60	82 04 01	82 06 10	70 15	15	AAND	X X
ALICE ARM	AASIL	55 24.95	129 40.60	82 04 01	82 06 10	70 15	45	AAND	X X
OBSERVATORY IN OBS33	55 19.85	129 47.01	82 04 01	82 06 10	70 15	74	AAND	X X	
OBSERVATORY IN OBS13	55 03.02	130 04.00	82 03 31	82 06 09	70 15	20	AAND	X X	
OBSERVATORY IN OBS13	55 03.20	130 04.00	82 03 31	82 06 09	70 15	60	NB		
OBSERVATORY IN OBS23	55 05.50	129 59.10	82 03 31	82 06 01	62 15	58	AAND	X X	
OBSERVATORY IN OBS23	55 05.50	129 59.10	82 03 31	82 06 09	70 15	108	AAND	X X	

CURRENT METER DATA SET NUMBER: 82-0046
YEAR:1982 VESSEL/AGENCY: IOS, PARIZEAU

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
		P	T	C					

QUEEN CH.SOUND	Q05	51 08.30	129 34.50	82 04 21	82 09 20	30	50	RCM4	X X X
QUEEN CH.SOUND	Q05	51 08.30	129 34.50	82 04 21	82 09 20	30	100	RCM4	X X
QUEEN CH.SOUND	Q05	51 08.30	129 34.50	82 04 21	82 09 20	30	150	RCM4	X X X

CURRENT METER DATA SET NUMBER: 82-0051
YEAR:1982 VESSEL/AGENCY: IOS, PARIZEAU

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR WATER TYPE SENSOR	P T C
QUEEN CH.SOUND	G01	51 36.04	128 53.00	82 05 29	82 09 22	15	20	50 RCM4 X X
QUEEN CH.SOUND	G01	51 36.04	128 53.00	82 05 29	82 09 22	15	45	50 RCM4 X X
QUEEN CH.SOUND	G03	51 30.60	128 52.91	82 05 29	82 09 22	15	20	52 RCM4 X X
QUEEN CH.SOUND	G03	51 30.60	128 52.91	82 05 29	82 09 22	15	47	52 RCM4 X X
QUEEN CH.SOUND	G04	51 26.83	128 52.95	82 05 29	82 09 22	15	20	158 RCM4 X X X
QUEEN CH.SOUND	G04	51 26.83	128 52.95	82 05 29	82 09 22	15	50	158 RCM4 X X
QUEEN CH.SOUND	G04	51 26.83	128 52.95	82 05 29	82 09 22	15	100	158 RCM4 X X
QUEEN CH.SOUND	G04	51 26.83	128 52.95	82 05 29	82 09 22	15	153	158 RCM4 X X
QUEEN CH.SOUND	G05	51 21.75	128 54.88	82 05 29	82 09 21	15	150	240 RCM4 X X
QUEEN CH.SOUND	G5A	51 21.27	128 52.40	82 05 29	82 09 21	4	5	233 ENDE X X
QUEEN CH.SOUND	G5A	51 21.27	128 52.40	82 05 29	82 09 21	15	7	233 CMDR X
QUEEN CH.SOUND	G5S	51 21.15	128 53.45	82 05 28	82 09 16	15	5	242 VMCM X
QUEEN CH.SOUND	G06	51 29.38	128 28.11	82 05 31	82 09 20	15	20	107 RCM4 X X
QUEEN CH.SOUND	G06	51 29.38	128 28.11	82 05 31	82 09 20	15	50	107 RCM4 X X
QUEEN CH.SOUND	G07	51 39.94	128 36.25	82 05 31	82 09 19	15	20	39 RCM4 X X
QUEEN CH.SOUND	G07	51 39.94	128 36.25	82 05 31	82 09 19	15	34	39 RCM4 X X X
QUEEN CH.SOUND	Q06	51 51.96	130 29.04	82 05 30	82 09 18	15	25	280 RCM4 X X X
QUEEN CH.SOUND	Q06	51 51.96	130 29.04	82 05 30	82 09 18	15	100	280 RCM4 X X
QUEEN CH.SOUND	Q06	51 51.96	130 29.04	82 05 30	82 09 18	15	250	280 RCM4 X X
QUEEN CH.SOUND	Q09	52 06.52	130 38.84	82 05 30	82 09 18	15	15	225 CMDR X
QUEEN CH.SOUND	Q09	52 06.52	130 38.84	82 05 30	82 09 18	15	215	225 RCM4 X X
QUEEN CH.SOUND	Q10	51 51.07	129 34.43	82 05 30	82 09 20	15	20	275 RCM4 X X X
QUEEN CH.SOUND	Q10	51 51.07	129 34.43	82 05 30	82 09 20	15	100	275 RCM4 X X
QUEEN CH.SOUND	Q10	51 51.07	129 34.43	82 05 30	82 09 20	15	250	275 RCM4 X X
QUEEN CH.SOUND	Q11	51 50.16	128 33.70	82 05 31	82 09 19	15	20	139 RCM4 X X X
QUEEN CH.SOUND	Q11	51 50.16	128 33.70	82 05 31	82 09 19	15	100	139 RCM4 X X X
QUEEN CH.SOUND	Q12	51 00.30	128 42.00	82 06 01	82 09 21	15	15	74 CMDR X
CHATHAM SOUND	R01	54 11.61	130 24.52	82 05 22	82 09 17	15	16	118 CMDR X
CHATHAM SOUND	R02	54 18.40	130 34.25	82 05 22	82 09 17	15	15	100 CMDR X
CHATHAM SOUND	R01	54 16.90	130 49.20	82 05 22	82 09 17	15	15	139 CMDR X

CURRENT METER DATA SET NUMBER: 82-0052
YEAR:1982 VESSEL/AGENCY: DOBROCKY/AMAX

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR WATER TYPE SENSOR	P T C
ALICE ARM	2E4	55 27.00	129 29.00	82 01 21	82 03 08	46 20	50	AAND X X X
ALICE ARM	1E4	55 27.00	129 29.00	82 01 21	82 03 08	46 20	100	AAND X X X
ALICE ARM	SILL	55 25.30	129 40.18	82 01 22	82 03 05	41 20	50	AAND X X X
ALICE ARM	SILL	55 25.30	129 40.18	82 01 22	82 03 05	41 20	100	AAND X X X
ALICE ARM	SILL	55 25.30	129 40.18	82 01 22	82 03 05	41 20	150	AAND X X X

CURRENT METER DATA SET NUMBER: 82-0053
YEAR:1982 VESSEL/AGENCY: DOBROCKY/AMAX

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR WATER TYPE SENSOR	P T C
ALICE ARM	2E4	55 27.00	129 29.00	82 03 16	82 05 14	59 20	50	AAND X X X
ALICE ARM	1E4	55 27.00	129 29.00	82 03 16	82 05 14	59 20	100	AAND X X X
ALICE ARM	SILL	55 25.30	129 40.18	82 03 09	82 05 16	67 20	50	AAND X X X
ALICE ARM	SILL	55 25.30	129 40.18	82 03 09	82 05 16	67 20	100	AAND X X X
ALICE ARM	SILL	55 25.30	129 40.18	82 03 09	82 05 16	67 20	150	AAND X X X

CURRENT METER DATA SET NUMBER: 82-0054
YEAR:1982 VESSEL/AGENCY: DOBROCKY/AMAX

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P	T	C				

ALICE ARM	G8.5 55 26.42	129 32.18	82 05 17	82 07 08	52 20	50	AAND X X X
ALICE ARM	G8.5 55 26.42	129 32.18	82 05 17	82 07 08	52 20	100	AAND X X X
ALICE ARM	SILL 55 25.30	129 40.18	82 05 17	82 07 09	53 20	50	AAND X X X
ALICE ARM	SILL 55 25.30	129 40.18	82 05 17	82 07 09	53 20	100	AAND X X X
ALICE ARM	SILL 55 25.30	129 40.18	82 05 17	82 07 09	53 20	150	AAND X X X

CURRENT METER DATA SET NUMBER: 82-0055
YEAR:1982 VESSEL/AGENCY: DOBROCKY/AMAX

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P	T	C				

ALICE ARM	G8.5 55 26.42	129 32.18	82 07 10	82 09 18	70 20	50	AAND X X X
ALICE ARM	G8.5 55 26.42	129 32.18	82 07 10	82 09 18	70 20	100	AAND X X X
ALICE ARM	SILL 55 25.30	129 40.18	82 07 12	82 09 16	66 20	50	AAND X X X
ALICE ARM	SILL 55 25.30	129 40.18	82 07 12	82 09 16	66 20	100	AAND X X X
ALICE ARM	SILL 55 25.30	129 40.18	82 07 12	82 09 16	66 20	150	AAND X X X

CURRENT METER DATA SET NUMBER: 82-0056
YEAR:1982 VESSEL/AGENCY: DOBROCKY/AMAX

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P	T	C				

ALICE ARM	G8.5 55 26.42	129 32.18	82 09 19	82 12 10	82 20	50	AAND X X X
ALICE ARM	G8.5 55 26.42	129 32.18	82 09 19	82 12 10	82 20	100	AAND X X X
ALICE ARM	SILL 55 25.30	129 40.18	82 09 19	82 12 12	84 20	50	AAND X X X
ALICE ARM	SILL 55 25.30	129 40.18	82 09 19	82 12 12	84 20	100	AAND X X X
ALICE ARM	SILL 55 25.30	129 40.18	82 09 19	82 12 12	84 20	150	AAND X X X

CURRENT METER DATA SET NUMBER: 82-0057
YEAR:1982 VESSEL/AGENCY: DOBROCKY/AMAX

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P	T	C				

ALICE ARM	G8.5 55 26.42	129 32.18	82 12 12	83 04 15	125 20	50	AAND X X X
ALICE ARM	G8.5 55 26.42	129 32.18	82 12 12	83 04 15	125 20	100	AAND X X X
ALICE ARM	SILL 55 25.30	129 40.18	82 12 14	83 04 15	123 20	50	AAND X X X
ALICE ARM	SILL 55 25.30	129 40.18	82 12 14	83 04 15	123 20	100	AAND X X X
ALICE ARM	SILL 55 25.30	129 40.18	82 12 14	83 04 15	123 20	150	AAND X X X

CURRENT METER DATA SET NUMBER: 83-0014
YEAR:1983 VESSEL/AGENCY: VECTOR, IOS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTH(S)	INST	ADDITIONAL
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE	SENSOR
		P	T	C					
ALICE ARM	AASIL	55 24.95	129 40.60	83 01 17	83 04 09	81 15	17	AAND	XX
ALICE ARM	AASIL	55 24.95	129 40.60	83 01 17	83 04 10	83 15	47	AAND	XX
OBSERVATORY IN OBS37	55 19.85	129 47.01	83 01 17	83 04 15	88 15	25	AAND	XX	
OBSERVATORY IN OBS37	55 19.85	129 47.01	83 01 17	83 04 15	88 15	55	AAND	XX	
OBSERVATORY IN OBS37	55 19.85	129 47.01	83 01 17	83 04 15	88 15	115	AAND	XX	
OBSERVATORY IN OBS17	55 03.20	130 04.00	83 01 18	83 04 14	86 15	25	AAND	XX	
OBSERVATORY IN OBS17	55 03.20	130 04.00	83 01 18	83 04 14	86 15	65	NB	X	
OBSERVATORY IN OBS27	55 05.50	129 59.10	83 01 18	83 04 14	86 15	14	AAND	XX	
OBSERVATORY IN OBS27	55 05.50	129 59.10	83 01 18	83 04 14	86 15	54	AAND	XX	
OBSERVATORY IN OBS27	55 05.50	129 59.10	83 01 18	83 04 14	86 15	108	AAND	XX	

CURRENT METER DATA SET NUMBER: 83-0035
YEAR:1983 VESSEL/AGENCY: PARIZEAU, IOS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTH(S)	INST	ADDITIONAL
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE	SENSOR
		P	T	C					
HECATE STRAIT	R04	53 57.0	130 53.4	83 05 10	83 09 18	75 15	20'	64	CMDR X
HECATE STRAIT	R05	53 56.9	131 04.5	83 05 10	83 09 18	131 15	20	82	CMDR X
HECATE STRAIT	R05	53 56.8	131 04.5	83 05 10	83 09 18	3 15	50	82	AAND XX
HECATE STRAIT	R07	53 56.1	131 34.1	83 05 10	83 09 19	132 15	9	20	CMDR X
HECATE STRAIT	W01	53 20.0	130 19.1	83 05 11	83 09 20	131 15	25	130	CMDR X
HECATE STRAIT	W2E	53 17.9	130 36.6	83 05 11	83 09 20	132 15	100	168	AAND XX
HECATE STRAIT	W02	53 16.7	130 41.6	83 05 11	83 09 20	131 15	25	185	CMDR X
HECATE STRAIT	W02	53 16.7	130 41.6	83 05 11	83 09 20	131 15	50	185	AAND XX
HECATE STRAIT	W02	53 16.7	130 41.6	83 05 11	83 09 20	132 15	100	185	AAND XX
HECATE STRAIT	W02	53 16.7	130 41.6	83 05 11	83 09 20	132 15	180	185	AAND XX
HECATE STRAIT	W2S	53 17.0	130 40.7	83 05 11	83 10	? 15	5	185	M-Mc X
HECATE STRAIT	W04	53 13.2	131 03.5	83 05 11	83 09 20	3 15	10	51	GEOD X
HECATE STRAIT	W04	53 13.2	131 03.5	83 05 11	83 09 20	132 15	25	51	CMDR X
HECATE STRAIT	W04	53 13.2	131 03.5	83 05 11	83 09 20	132 15	41	51	CMDR X
HECATE STRAIT	W05	53 10.4	131 16.5	83 05 14	83 09 20	128 15	9	39	M-Mc X
HECATE STRAIT	W05	53 10.4	131 16.5	83 05 14	83 09 20	128 15	9	39	AAND XX
HECATE STRAIT	W05	53 10.4	131 16.5	83 05 14	83 09 20	128 15	10	39	AAND XX
HECATE STRAIT	W5S	53 10.8	131 16.8	83 05 12	83 09 20	77 15	5	35	M-Mc X
HECATE STRAIT	W06	53 09.1	131 27.9	83 05 12	83 09 20	129 15	10	22	CMDR X
HECATE STRAIT	H04	52 42.5	131 21.1	83 05 12	83 09 20	121 15	106	137	AAND XX
HECATE STRAIT	M01	52 35.5	129 38.7	83 05 14	83 09 26	135 15	21	158	CMDR X
HECATE STRAIT	M01	52 35.5	129 38.7	83 05 14	83 09 26	79 15	46	158	AAND XX
HECATE STRAIT	M01	52 35.5	129 38.7	83 05 14	83 09 26	135 15	96	158	AAND XX
HECATE STRAIT	M01	52 35.5	129 38.7	83 05 14	83 09 26	135 15	146	158	AAND XX
HECATE STRAIT	M02	52 33.1	129 57.4	83 05 14	83 09 26	135 15	25	256	CMDR X
HECATE STRAIT	M02	52 33.1	129 57.4	83 05 14	83 09 26	135 15	100	256	AAND XX
HECATE STRAIT	M02	52 33.1	129 57.4	83 05 14	83 09 26	35 15	150	256	AAND XX
HECATE STRAIT	M02	52 33.1	129 57.4	83 05 14	83 09 26	46 15	250	256	AAND XX
HECATE STRAIT	M03	52 31.1	130 12.1	83 05 13	83 09 27	136 15	50	299	AAND XX
HECATE STRAIT	M03	52 31.1	130 12.1	83 05 13	83 09 27	136 15	100	299	AAND XX
HECATE STRAIT	M03	52 31.1	130 12.1	83 05 13	83 09 27	97 15	150	299	AAND XX
HECATE STRAIT	M03	52 31.1	130 12.1	83 05 13	83 09 27	121 15	250	299	AAND XX
HECATE STRAIT	M03	52 31.1	130 12.1	83 05 13	83 09 27	293	299	AAND XX	
HECATE STRAIT	M04	52 27.8	130 29.6	83 05 13	83 09 26	119 15	100	182	AAND XX
HECATE STRAIT	M05	52 23.5	130 57.4	83 05 13	83 09 24	129 15	50	135	AAND XX
HECATE STRAIT	M05	52 23.5	130 57.4	83 05 13	83 09 24	133 15	100	135	AAND XX
HECATE STRAIT	M06	52 21.9	131 05.6	83 05 13	83 09 24	119 15	25	120	CMDR X
HECATE STRAIT	M06	52 21.9	131 05.6	83 05 13	83 09 24	124 15	50	120	AAND XX

CURRENT METER DATA SET NUMBER: 83-0036
YEAR:1983 VESSEL/AGENCY: IOS,PARIZEAU

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
							P	T	C
HECATE STRAIT	M01	52 35.4	129 38.9	83 9 28	84 01 13	107 15	50	162 AAND	X X X
HECATE STRAIT	M01	52 35.4	129 38.9	83 9 28	84 01 13	107 15	100	162 AAND	X X
HECATE STRAIT	M01	52 25.4	129 38.9	83 9 28	84 01 13	107 15	150	162 AAND	X X
HECATE STRAIT	M1E	52 40.0	129 16.7	83 9 28	84 01 13	107 15	25	162 AAND	X
HECATE STRAIT	M02	52 33.1	129 57.4	83 9 28	84 01 13	107 15	50	252 AAND	X X
HECATE STRAIT	M02	52 33.1	129 57.4	83 9 28	84 01 13	107 15	100	252 AAND	X X
HECATE STRAIT	M02	52 33.1	129 57.4	83 9 28	84 01 13	107 15	247	252 AAND	X X
HECATE STRAIT	M03	52 31.3	130 12.4	83 9 28	84 01 13	107 15	50	296 AAND	X X X
HECATE STRAIT	M03	52 31.3	130 12.4	83 9 28	84 01 13	107 15	100	296 AAND	X X
HECATE STRAIT	M03	52 31.3	130 12.4	83 9 28	84 01 13	107 15	150	296 AAND	X X
HECATE STRAIT	M03	52 31.3	130 12.4	83 9 27	84 01 13	107 15	250	296 AAND	X X
HECATE STRAIT	M03	52 31.3	130 12.4	83 9 27	84 01 13	107 15	291	296 AAND	X X
HECATE STRAIT	M04	52 27.9	130 29.5	83 9 27	84 01 13	107 15	50	177 CMDR	X
HECATE STRAIT	M04	52 27.9	130 29.5	83 9 27	84 01 13	107 15	100	177 AAND	X X
HECATE STRAIT	M04	52 27.9	130 29.5	83 9 27	84 01 13	107 15	150	177 AAND	X X
HECATE STRAIT	M05	52 22.5	130 57.4	83 9 27	84 01 13	27 15	50	125 AAND	X X X
HECATE STRAIT	M05	52 22.5	130 57.4	83 9 27	84 01 13	107 15	100	125 AAND	X X
HECATE STRAIT	M06	52 22.0	131 5.2	83 9 27	84 01 13	107 15	25	116 CMDR	X
HECATE STRAIT	M06	52 22.0	131 5.2	83 9 27	84 01 13	107 15	100	116 AAND	X X X
HECATE STRAIT	W01	53 19.6	130 20.2	83 9 22	84 01 14	113 15	22	127 CMDR	X
HECATE STRAIT	W02	53 16.4	130 41.8	83 9 22	84 01 14	113 15	20	175 CMDR	X
HECATE STRAIT	W02	53 16.4	130 41.8	83 9 22	84 01 14	113 15	95	175 AAND	X X
HECATE STRAIT	W02	53 16.4	130 41.8	83 9 22	84 01 14	113 15	170	175 AAND	X X
HECATE STRAIT	W2E	53 17.6	130 36.8	83 9 22	84 01 14	113 15	28	162 CMDR	X
HECATE STRAIT	W2E	53 17.6	130 36.8	83 9 22	84 01 14	113 15	53	162 AAND	X X X
HECATE STRAIT	W2E	53 17.6	130 36.8	83 9 22	84 01 14	113 15	103	162 AAND	X X
HECATE STRAIT	W03	53 14.0	130 51.8	83 9 22	84 01 14	113 15	50	117 AAND	X X X
HECATE STRAIT	W03	53 14.0	130 51.8	83 9 22	84 01 14	113 15	100	117 AAND	X X
HECATE STRAIT	W04	53 13.1	131 4.0	83 9 22	84 01 14	114 15	25	45 CMDR	X
HECATE STRAIT	W04	53 13.1	131 4.0	83 9 22	84 01 14	114 15	35	45 CMDR	X
HECATE STRAIT	R05	53 57.0	131 4.6	83 9 19	84 01 19	62 15	20	78 CMDR	X

CURRENT METER DATA SET NUMBER: 84-0001
YEAR:1984 VESSEL/AGENCY: IOS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
							P	T	C
HECATE STRAIT	M01	52 35.5	129 38.4	84 1 18	84 4 10	82 15	50	162 AAND	X X X
HECATE STRAIT	M01	52 35.5	129 38.4	84 1 18	84 4 10	82 15	100	162 AAND	X X
HECATE STRAIT	M01	52 35.5	129 38.4	84 1 18	84 4 10	82 15	150	162 AAND	X X
HECATE STRAIT	M02	52 33.4	129 56.8	84 1 18	84 4 10	82 15	50	252 AAND	X X
HECATE STRAIT	M02	52 33.4	129 56.8	84 1 18	84 4 10	82 15	100	252 AAND	X X
HECATE STRAIT	M02	52 33.4	129 56.8	84 1 18	84 4 10	82 15	247	252 AAND	X X
HECATE STRAIT	M03	52 31.2	130 11.8	84 1 15	84 4 10	86 15	50	296 AAND	X X X
HECATE STRAIT	M03	52 31.2	130 11.8	84 1 18	84 4 10	83 15	100	296 AAND	X X
HECATE STRAIT	M03	52 31.2	130 11.8	84 1 18	84 4 10	83 15	150	296 AAND	X X
HECATE STRAIT	M03	52 31.2	130 11.8	84 1 18	84 4 10	83 15	250	296 AAND	X X
HECATE STRAIT	M03	52 31.2	130 11.8	84 1 14	84 4 10	87 15	290	296 AAND	X X
HECATE STRAIT	M04	52 27.9	130 28.9	84 1 14	84 4 10	88 15	50	177 CMDR	X
HECATE STRAIT	M04	52 27.9	130 28.9	84 1 16	84 4 10	85 15	100	177 AAND	X X
HECATE STRAIT	M04	52 27.9	130 28.9	84 1 16	84 4 10	85 15	150	177 AAND	X X
HECATE STRAIT	M05	52 23.8	130 57.3	84 1 18	84 4 10	83 15	50	125 AAND	X X X
HECATE STRAIT	M05	52 23.8	130 57.3	84 1 18	84 4 10	83 15	100	125 AAND	X X
HECATE STRAIT	M06	52 22.2	131 6.2	84 1 18	84 4 10	83 15	25	116 CMDR	X
HECATE STRAIT	M06	52 22.2	131 6.2	84 1 18	84 4 10	83 15	100	116 AAND	X X X
HECATE STRAIT	M1E	52 40.0	129 16.7	84 1 19	84 4 10	82 15	21	158 CMDR	X
HECATE STRAIT	R05	53 56.4	131 2.6	84 1 19	84 4 12	42 15	27	80 CMDR	X
HECATE STRAIT	R05	53 56.4	131 2.6	84 1 19	84 4 12	83 15	65	80 AAND	X X
HECATE STRAIT	W01	52 19.6	130 20.1	84 1 17	84 4 11	84 15	25	129 CMDR	X
HECATE STRAIT	W02	53 16.6	130 41.5	84 1 17	84 4 11	85 15	25	180 CMDR	X
HECATE STRAIT	W02	53 16.6	130 41.5	84 1 17	84 4 11	85 15	100	180 AAND	X X
HECATE STRAIT	W02	53 16.6	130 41.5	84 1 14	84 4 11	88 15	175	180 AAND	X X

HECATE STRAIT	W03	53	14.1	130	51.4	84	1	17	84	4	11	85	15	25	118	CMDR	X
HECATE STRAIT	W03	53	14.1	130	51.4	84	1	17	84	4	11	85	15	50	118	AAND	X X X
HECATE STRAIT	W03	53	14.1	130	51.4	84	1	17	84	4	11	85	15	100	118	AAND	X X
HECATE STRAIT	W04	53	13.1	131	4.0	84	1	17	84	4	11	85	15	25	45	CMDR	X
HECATE STRAIT	W04	53	13.1	131	4.0	84	1	17	84	4	11	85	15	35	45	CMDR	X
HECATE STRAIT	W2E	53	17.9	130	36.6	84	1	17	84	4	11	17	15	24	164	M-Mc	X
HECATE STRAIT	W2E	53	17.9	130	36.6	84	1	17	84	4	11	? 15	25	164	CMDR	X	
HECATE STRAIT	W2E	53	17.9	130	36.6	84	1	17	84	4	11	85	15	50	164	AAND	X X X
HECATE STRAIT	W2E	53	17.9	130	36.6	84	1	17	84	4	11	8	15	100	164	AAND	X X

CURRENT METER DATA SET NUMBER: 84-0002
YEAR: 1984 VESSEL/AGENCY: IOS, PARIZEAU

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT					
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR.	P T C				
DIXON ENTRANCE	R05	53	56.73	131	04.47	84 04 14	84 10 21	190 30	25	78	CMDR	X	
DIXON ENTRANCE	R05	53	56.73	131	04.47	84 04 14	84 10 21	190 30	63	78	AAND	X X	
DIXON ENTRANCE	D01	54	38.38	132	05.71	84 04 16	84 08 22	128 30	20	135	CMDR	X	
DIXON ENTRANCE	D01	54	38.38	132	05.71	84 04 16	84 08 22	128 30	48	135	CMDR	X	
DIXON ENTRANCE	D01	54	38.38	132	05.71	84 04 16	84 08 22	128 30	98	135	AAND	X X X	
DIXON ENTRANCE	D02	54	35.18	132	07.72	84 04 16	84 08 29	135 30	146	169	AAND	X X	
DIXON ENTRANCE	D03	54	32.84	132	03.90	84 04 18	84 09 19	154 30	150	295	AAND	X X	
DIXON ENTRANCE	D04	54	26.72	132	00.49	84 04 18	84 10 20	185 30	52	294	AAND	X X X	
DIXON ENTRANCE	D04	54	26.72	132	00.49	84 04 18	84 10 20	185 30	152	294	AAND	X X	
DIXON ENTRANCE	D04	54	26.72	132	00.49	84 04 18	84 10 20	185 30	279	294	AAND	X X	
DIXON ENTRANCE	D05	54	16.25	131	54.98	84 04 18	84 10 20	185 30	50	208	AAND	X X X	
DIXON ENTRANCE	D05	54	16.25	131	54.98	84 04 18	84 10 20	185 30	150	208	AAND	X X	
DIXON ENTRANCE	D06	54	12.18	131	56.94	84 04 18	84 10 20	185 30	53	118	CMDR	X	
DIXON ENTRANCE	D06	54	12.18	131	56.94	84 04 18	84 10 20	185 30	103	118	CMDR	X	
DIXON ENTRANCE	D07	54	07.87	131	50.99	84 04 18	84 10 20	185 30	20	30	CMDR	X	
DIXON ENTRANCE	D7S	54	07.80	131	51.23	84 04 14	84 10 20		30	.5	31	M-MC	X
DIXON ENTRANCE	D09	54	29.02	131	40.40	84 04 16	84 10 21		30	52	305	AAND	X X
DIXON ENTRANCE	D09	54	29.02	131	40.40	84 04 16	84 10 21	188 30	152	305	AAND	X X	
DIXON ENTRANCE	D10	54	27.03	132	16.94	84 04 18	84 10 19	184 30	50	356	AAND	X X	
DIXON ENTRANCE	D10	54	27.03	132	16.94	84 04 18	84 10 19	0 30	150	356	AAND	X X	
DIXON ENTRANCE	D11	54	36.56	132	41.63	84 04 18	84 04 21	3 30	50	136	AAND	X X X	
DIXON ENTRANCE	D11	54	36.56	132	41.63	84 04 18	84 04 21	3 30	100	136	AAND	X X	
DIXON ENTRANCE	D12	54	29.35	132	38.06	84 04 18	84 10 11	176 30	150	371	AAND	X X	
DIXON ENTRANCE	D12	54	29.35	132	38.06	84 04 18	84 10 11	176 30	356	371	AAND	X X	
DIXON ENTRANCE	D13	54	21.19	132	34.63	84 04 18	84 10 19	184 30	45	263	AAND	X X X	
DIXON ENTRANCE	D13	54	21.19	132	34.63	84 04 18	84 10 19	184 30	145	263	AAND	X X	
DIXON ENTRANCE	D14	54	13.03	132	29.95	84 04 21	84 10 19	181 30	59	124	AAND	X X	
DIXON ENTRANCE	D14	54	13.03	132	29.95	84 04 21	84 10 19	181 30	109	124	AAND	X X	
DIXON ENTRANCE	D15	54	33.07	131	21.28	84 04 16	84 10 21	188 30	22	110	CMDR	X	
DIXON ENTRANCE	D15	54	33.07	131	21.28	84 04 16	84 10 21	188 30	52	110	CMDR	X	

11.3 WATER-LEVEL DATA

Table 3 contains a cross-reference of CHS stations with assigned data set ID numbers. Following Table 3 are the listings which 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.
INST & WATER DPTH	In metres.
INSTR TYPE	AAND - Aanderaa AM12 - Applied Microsystems Ltd. 12A AMS - Applied Microsystems Ltd. BASS - Bass Engineering optical lever FOXB - Foxboro HWK - HWK float LEGE - Lege LEOP - Leopold Stevens MECH - shore-based gauge, temporary or permanent OTT - Ott gauge, either float or potentiometric OTTB - Ottboro RICH - Richard SDAT - SeaData STAF - Tide staff STEV - Stevens TG2A - Aanderaa TG2A TG3A - Aanderaa TG3A TG4A - Aanderaa TG4A WLR5 - Aanderaa WLR5 750A - Applied Microsystems Ltd. 750A
ADDIT SENSOR	Parameters measured qualified by: X - measurements of this parameter were made CA - possible calibration problems S - suspect readings C - constant readings O - zero or obviously bad readings

Blank entries indicate unavailable or inappropriate data.

? signifies data which are either unknown or may be suspect; for example, a location which plots on land.

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.

TABLE 3: CHS WATER LEVEL STATIONS IN THE AREA OF THIS DATA COMPILATION, AND THE CORRESPONDING PERIOD(S) OF MEASUREMENTS AND DATA SET ID NUMBERS.

Stn. No.	General Area	Water-Level Gauge Site	Measurement Periods (ID Number)
8416	Queen Charlotte Sound	Shushertie Bay	July 5, 1931-Jan 31, 1932 (31-0003)
8458	Queen Charlotte Strait	Seymour Inlet	May 12-June 9, 1960 (60-0017)
8464	Queen Charlotte Strait	Seymour Inlet	May 11-June 9, 1960 (60-0017)
8470	Queen Charlotte Strait	Seymour Inlet	May 9-June 11, 1960 (60-0017)
8476	Queen Charlotte Strait	Belize Inlet	May 9-June 7, 1960 (60-0017)
8482	Queen Charlotte Strait	Belize Inlet	May 17-June 16, 1960 (60-0017)
8488	Queen Charlotte Strait	Belize Inlet	May 10-June 7, 1960 (60-0017)
8805	Queen Charlotte Sound	Egg Island	June 22-Oct 3, 1962 (62-0077); July 30-Oct 9, 1963 (62-0027)
8810	Queen Charlotte Sound	Leroy Bay	May 22-Aug 22, 1947 (47-0003); Aug 1-Sept 30, 1962 (62-0027)
8830	Fitz Hugh Sound	Draney Inlet	Aug 3-Sept 30, 1959 (59-0017)
8840	Fitz Hugh Sound	Wadhams	June 14, 1905-Oct 2, 1911 (05-0003); May 24-Oct 30, 1915 (15-0003)
8860	Fitz Hugh Sound	Addenbroke Island	Sept 9-12, 1942 (42-0003); July 31-Sept 3, 1959 (59-0017)
8870	Fitz Hugh Sound	Namu	Aug 6-Oct 28, 1909 (09-0001)
8873	Burke Channel	Fougner Bay	May 19-31, 1964 (64-0018)
8906	Queen Charlotte Sound	Gosling Island	July 4-Sept 8, 1959 (59-0017)
8909	Queen Charlotte Sound	Goose Island	June 28-Aug 20, 1928 (28-0003)
8928	Burke Channel	Croyden Bay	Apr 30-May 16, 1964 (64-0018)
8935	Burke Channel	Whiskey Bay	Apr 10-27, 1964 (64-0018)
8937	North Bentinck Arm	Bella Coola	July 22-Oct 24, 1909 (09-0001); Apr 24, 1956-May 20, 1957 (56-0017); May 1, 1964-June 30, 1967 (64-0023)
8958	Queen Charlotte Sound	Forit Bay	Aug 9-Sept 19, 1983 (83-0021)
8962	Dean Channel	Ocean Falls	Oct 29-Nov 17, 1911 and Apr 22-May 11, 1912 (11-0002); May 12-Nov 4, 1922 and July 16-Oct 5, 1923 (22-0001)
8970	Dean Channel	Kimsquit	Aug 31-Sept 21, 1956 (56-0015)
8974	Queen Charlotte Sound	Shearwater	Sept 4-29, 1983 (83-0021)
8976	Queen Charlotte Sound	Bella Bella	July 30, 1905-Apr 30, 1906 and June 1-Aug 31, 1906 (05-0002); Jan 1-Dec 31, 1907 (07-0002); July 15, 1961-present (61-0023)
8978	Queen Charlotte Sound	Kynumpt Harbour	July 9-Sept 4, 1983 (83-0021)
8981	Queen Charlotte Sound	Troup Passage	May 30-June 19 and July 8-Aug 26, 1968 (68-0027)
8984	Dean Channel	Shack Bay	May 9-June 3, 1956 (56-0017)
9005	Queen Charlotte Sound	Port Blackney	June 27-Sept 18, 1928 (28-0003)
9010	Queen Charlotte Sound	Tom Bay	Aug 1-Sept 17, 1960 (60-0017)
9020	Queen Charlotte Sound	Griffin Passage	May 19-June 14, 1960 (60-0017)
9026	Queen Charlotte Sound	Heathorn Bay	Sept 19-Oct 5, 1960 (60-0017)
9028	Queen Charlotte Sound	David Bay	Aug 20-31, 1961 (61-0023)
9035	Queen Charlotte Sound	Klemtu	May 17-June 15, 1960 (60-0017)
9053	Princess Royal Channel	Butedale	July 4-Sept 12, 1953 and June 23-Aug 6, 1954 (53-0016)
9056	Queen Charlotte Sound	Higgins Passage	July 23-Aug 21, 1979 (79-0060)
9060	Queen Charlotte Sound	Meyers Narrows	May 31-Sept 5, 1924 (24-0002); May 22-July 25, 1967 (67-0024) July 1-16, 1969 (69-0032)
9063	Queen Charlotte Sound	Milne Island	July 18-Aug 15, 1961 (61-0023); June 22-Aug 15, 1979 (79-0060)
9067	Queen Charlotte Sound	Smithers Island	June 16-July 20, 1979 (79-0060)
9077	Hecate Strait	McKenney Islands	Apr 27-Aug 19, 1960 and July 4-Oct 5, 1961 (60-0017)
9080	Hecate Strait	Borrowman Bay	Aug 7-Sept 16, 1922 and July 17-Oct 5, 1923 (22-0001)

TABLE 3: CHS WATER LEVEL STATIONS IN THE AREA OF THIS DATA COMPILATION, AND THE CORRESPONDING PERIOD(S) OF MEASUREMENTS AND DATA SET ID NUMBERS. (Cont'd)

Stn. No.	General Area	Water-Level Gauge Site	Measurement Periods (ID Number)
9090	Hecate Strait	Surf Inlet	July 16-Sept 19, 1914 (14-0003)
9105	Hecate Strait	Gillen Harbour	June 21-Aug 30, 1977 (77-0068)
9115	Hecate Strait	Bernard Harbour	July 9-Sept 9, 1953 (53-0016)
9130	Douglas Channel	Hartley Bay	July 4-Oct 31, 1909 (09-0001)
9140	Douglas Channel	Kitimat	July 1-Nov 1, 1909 (09-0001); Aug 6, 1951-Aug 5, 1954 (51-0015); Apr 25, 1977-Oct 31, 1978 (77-0067)
9150	Gardner Canal	Kemano Bay	Aug 8, 1951-Oct 29, 1952 (51-0013)
9195	Hecate Strait	Lowe Inlet	Aug 9-Dec 31, 1905 (05-0002)
9232	Hecate Strait	Larsen Island	Apr 24-Sept 17, 1962 (62-0027)
9242	Hecate Strait	Kitkatla Islands	July 19-Aug 15, 1950 (50-0010); Apr 28-July 3, 1953 (53-0016)
9250	Chatham Sound	Seabreeze Point	Aug 17-Sept 19, 1973 (73-0042)
9255	Skeena River	Godfrey Point	Oct 2-25, 1909 (09-0001)
9260	Skeena River	Claxton Creek	July 15, 1907-Mar 6, 1908 (07-0002); June 1, 1909-Sept 30, 1910 (09-0001); May 20-Oct 31, 1914 (14-0003); Aug 17-Sept 19, 1973 and June 5-25, 1974 (73-0041)
9265	Skeena River	Port Essington	June 8, 1909-Aug 26, 1911 (09-0001)
9266	Skeena River	Hayspout	June 6-25, 1974 (74-0049)
9270	Skeena River	Ecstall River	June 21-Sept 30, 1912 (12-0001)
9275	Skeena River	Khyex Point	July 24-Aug 27 and Sept 23-Oct 6, 1949 (49-0007)
9285	Skeena River	Kwinitza Creek	July 23-Aug 27 and Sept 23-Oct 5, 1949 (49-0007)
9306	Chatham Sound	Refuge Bay	Sept 11-26, 1964 (64-0020); May 22-Sept 24, 1965 (65-0019)
9309	Chatham Sound	Humpback Bay	June 21-Dec 31, 1930 (30-0002)
9310	Chatham Sound	Hunt Inlet	Aug 11-Sept 14, 1966 (66-0021)
9315	Chatham Sound	Qlawzeet Anchorage	May 12-Sept 14, 1966 (66-0021)
9325	Chatham Sound	Moffatt Islands	June 12-Aug 29, 1967 (67-0024)
9333	Chatham Sound	Brundige Inlet	June 6-July 18, 1964 (64-0020); June 29-Aug 28, 1971 (71-0038)
9342	Chatham Sound	Prince Rupert	July 3-Aug 7, 1967 (67-0024)
9343	Chatham Sound	Prince Rupert	July 15-Aug 7, 1967 (67-0024)
9344	Chatham Sound	Prince Rupert	June 18-19, 1943 (43-0002); July 6-Aug 7, 1967 (67-0024)
9354	Chatham Sound	Prince Rupert	May 1, 1906-present (06-0002)
9360	Chatham Sound	Prince Rupert	July 5-Aug 8, 1967 (67-0024)
9390	Chatham Sound	Port Simpson	Jan 1, 1903-Dec 31, 1926 (03-0001)
9391	Chatham Sound	Birnie Island	July 2-20, 1967 (67-0024); Aug 15-Sept 29, 1969 (69-0033); Aug-Sept 1970 (70-0032)
9406	Portland Inlet	Trail Bay	June 22-Aug 28, 1962 (62-0027)
9414	Portland Inlet	Kumeon Bay	July 28-Aug 27, 1954 (54-0017); Sept 6-25, 1961 (61-0023)
9418	Portland Inlet	Ranger Islet	July 12-Aug 22, 1965 and Aug 11-Sept 23, 1966 (65-0018)
9422	Nass River	Kincolith	July 17-29 and Sept 4-17, 1962 (62-0027)
9425	Nass River	Mill Bay	July 27-Aug 25, 1963 (63-0017); July 5-Sept 30, 1913 (13-0002); July 25-Aug 6, 1963 (63-0017); Sept 6-15, 1964 (64-0020)
9435	Observatory Inlet	Salmon Cove	Aug 13-Sept 3, 1963 (63-0017)
9443	Observatory Inlet	Granby Bay	May 17-June 13, 1912 (12-0001); May 1-Oct 27, 1916 (16-0003); July 11-Sept 21, 1965 (65-0018)
9448	Alice Arm	Alice Arm	July 10-Sept 15, 1965 (65-0018)
9450	Observatory Inlet	Hastings Arm	Sept 4-12, 1963 (63-0017); Aug 16-Sept 4, 1964 (64-0020)

TABLE 3: CHS WATER LEVEL STATIONS IN THE AREA OF THIS DATA COMPILATION, AND THE CORRESPONDING PERIOD(S) OF MEASUREMENTS AND DATA SET ID NUMBERS. (Cont'd)

Stn. No.	General Area	Water-Level Gauge Site	Measurement Periods (ID Number)
9475	Observatory Inlet	Stewart	June 29-Oct 31, 1912 (12-0001)
9502	Cape St. James	Cape St. James	June 7-Nov 18, 1960 (60-0017)
9710	Cape St. James	Heater Harbour	Apr 22-Dec 3, 1979 (79-0065); Sept 13, 1981-May 20, 1982 (81-0056A); May 21, 1982-May 3, 1983 (82-0051); May 3, 1983-June 24, 1984 (83-0035)
9713	Cape St. James	Rose Harbour	May 5-Sept 2, 1935 (35-0003)
9717	Queen Charlotte Sound	Carpenter Bay	July 1-29, 1960 (60-0017)
9724	Hecate Strait	Copper Islands	June 29-Sept 13, 1957 (57-0017); May 3-Oct 15, 1958 (58-0012); Apr 21-Aug 28, 1959 (59-0017)
9733	Hecate Strait	Section Cove	May 31-June 14, 1958 (58-0012); Apr 29-May 10, 1959 (59-0017)
9753	Hecate Strait	Sedgwick Bay	May 9-Sept 21, 1956 (56-0016)
9765	Hecate Strait	Atli Inlet	June 20-July 24, Aug 5-13, Aug 17-Sept 7, Sept 9-19, Sept 23-24, 1955 (55-0022)
9770	Hecate Strait	Thurston Harbour	May 23-June 12, 1954 (54-0016)
9775	Hecate Strait	Pacofi Bay	Feb 9-Oct 27, 1910, June 10-Oct 17, 1911, June 29-Oct 30, 1912, June 6-Aug 7, 1913, Aug 19-Sept 26, 1913, Oct 1-28, 1913 (10-0003)
9808	Hecate Strait	Shingle Bay	May 26-July 31, 1915 (15-0003); June 2, 1924-Jan 10, 1925 (24-0002); May 11-June 15, 1955 (55-0022)
9823	Skidegate Channel	Skidegate Channel	July 24-31, 1979 (79-0060)
9827	Skidegate Channel	East Narrows	June 8-July 7, 1957 (57-0018); June 7-July 8, 1963 (63-0017)
9840	Skidegate Channel	Young Point	Apr 27-June 14, 1982 (82-0046)
9850	Skidegate Channel	Skidegate Channel	Aug 7-Oct 17, 1911 (11-0001); Sept 27-Oct 25, 1913 (13-0002); May 27-Aug 26 and Oct 13-28, 1915 (15-0003); Oct 17-Dec 17, 1923 (23-0002); May 29, 1957-Jan 2, 1958 (57-0018); June 1-Aug 16, 1963 (63-0017); June 1, 1964-present (64-0022)
9910	Masset Inlet	Masset	May 16-Sept 28, 1907 (07-0002); May 15-Sept 27, 1910 (10-0002); June 8-July 7, 1963 (63-0017); July 7-Aug 24, 1972 (72-0044); Apr 28-June 25, 1980 (80-0053)
9920	Masset Inlet	Port Clements	June 5-July 4, 1963 (63-0017); July 19-Aug 2, 1978 (78-0057); Aug 1-Sept 22, 1979 (79-0060); Apr 29-June 10, 1980 (80-0053)
9923	Masset Inlet	Richards Island	June 7-Oct 27, 1910 (10-0002)
9927	Masset Inlet	Juskatla	Apr 23-June 6, 1953 (53-0017)
9930	Masset Inlet	Dinan Bay	Aug 3-25, 1978 (78-0057)
9940	Dixon Entrance	Wiah Point	June 1-July 31, 1957 (57-0018); May 22-July 19, 1964 (64-0020); July 10-Aug 23, 1972 (72-0044); June 15-Sept 5, 1980 (80-0053)
9950	Dixon Entrance	Naden Harbour	Aug 6-Sept 8, 1980 (80-0053)
9958	Dixon Entrance	Parry Passage	June 9-28, 1983 (83-0021)
9963	Dixon Entrance	McPherson Point	July 20-Aug 16, 1963 and June 1-14, 1964 (63-0017)
9964	Dixon Entrance	Langara Point	Feb 1-Dec 31, 1973 (73-0040); Mar 1, 1975-Dec 31, 1979 (75-0070)

WATER LEVEL DATA SET NUMBER: 03-0001
 YEAR:1903 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P	T	C

CHATHAM SOUND 9390 54 34.00 130 26.00 03 01 01 26 12 31

WATER LEVEL DATA SET NUMBER: 05-0002
 YEAR:1905 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P	T	C

Q.C.SOUND 8976 52 10.00 128 08.00 05 07 30 06 04 30
 Q.C.SOUND 8976 52 10.00 128 08.00 06 06 01 06 08 31
 HEcate STRAIT 9195 53 33.00 129 35.00 05 08 09 05 12 31

WATER LEVEL DATA SET NUMBER: 05-0003
 YEAR:1905 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P	T	C

RIVERS INLET 8840 51 31.00 127 31.00 05 07 14 11 10 02

WATER LEVEL DATA SET NUMBER: 06-0002
 YEAR:1906 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P	T	C

PRINCE RUPERT 9354 54 19.00 130 20.00 06 05 01 84 01 01

WATER LEVEL DATA SET NUMBER: 07-0002
 YEAR:1907 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P	T	C

Q.C.SOUND 8976 52 10.00 128 08.00 07 01 01 07 12 31
 MASSET INLET 9910 54 00.00 132 09.00 07 05 16 07 09 28
 SKEENA RIVER 9260 54 05.00 130 05.00 07 07 15 08 03 06

WATER LEVEL DATA SET NUMBER: 09-0001
 YEAR: 1909 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

FITZ HUGH SD.	8870	51 52.00	127 52.00	09 08 06	09 10 28			
N.BENTINCK ARM	8937	52 23.00	126 48.00	09 07 22	09 10 24			
DOUGLAS CH.	9130	53 26.00	129 15.00	09 07 04	09 10 31			
KITIMAT	9140	53 59.00	128 43.00	09 07 01	09 11 01			
SKEENA RIVER	9255	54 01.00	130 14.00	09 10 02	09 10 25	24		
SKEENA RIVER	9260	54 05.00	130 05.00	09 06 01	09 12 31			
SKEENA RIVER	9260	54 05.00	130 05.00	10 01 01	10 09 30			
SKEENA RIVER	9265	54 10.00	129 58.00	09 06 08	11 08 26			

WATER LEVEL DATA SET NUMBER: 10-0002
 YEAR: 1910 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

MASSET INLET	9910	54 00.00	132 09.00	10 05 15	10 09 27			
MASSET INLET	9923	53 41.00	132 21.00	10 06 07	10 10 27			

WATER LEVEL DATA SET NUMBER: 10-0003.
 YEAR: 1910 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

HECATE STRAIT	9775	52 50.00	131 53.00	10 02 09	10 10 27			
HECATE STRAIT	9775	52 50.00	131 53.00	11 06 10	11 10 17			
HECATE STRAIT	9775	52 50.00	131 53.00	12 06 29	12 10 30			
HECATE STRAIT	9775	52 50.00	131 53.00	13 06 06	13 08 07			
HECATE STRAIT	9775	52 50.00	131 53.00	13 08 19	13 09 26			
HECATE STRAIT	9775	52 50.00	131 53.00	13 10 01	13 10 28			

WATER LEVEL DATA SET NUMBER: 11-0001
 YEAR: 1911 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

SKIDEgate CH.	9850	53 15.00	132 04.00	11 08 07	11 10 17*	RICH		
				* No data	Sept. 16-19.			

WATER LEVEL DATA SET NUMBER: 11-0002
 YEAR:1911 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

DEAN CHANNEL 8962 52 21.00 127 41.00 11 10 29 11 11 17
 DEAN CHANNEL 8962 52 21.00 127 41.00 12 04 22 12 05 11

WATER LEVEL DATA SET NUMBER: 12-0001
 YEAR:1912 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

SKEENA RIVER 9270 54 00.00 129 46.00 12 06 21 12 09 30
 OBSERVATORY IN 9443 55 25.00 129 50.00 12 05 17 12 06 13
 PORTLAND CANAL 9475 55 55.00 130 00.00 12 06 29 12 10 31

WATER LEVEL DATA SET NUMBER: 13-0002
 YEAR:1913 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

NASS RIVER 9425 55 00.00 129 54.00 13 07 05 13 09 30
 SKIDEGATE CH. 9850 53 15.00 132 04.00 13 09 27 13 10 25

WATER LEVEL DATA SET NUMBER: 14-0003
 YEAR:1914 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

HECATE STRAIT 9090 53 02.00 128 54.00 14 07 16 14 09 19
 SKEENA RIVER 9260 54 05.00 130 05.00 14 05 20 14 10 31

WATER LEVEL DATA SET NUMBER: 15-0003
 YEAR:1915 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

FITZ HUGH SD. 8840 51 31.00 127 31.00 15 05 24 15 10 30
 HECATE STRAIT 9808 53 15.00 131 49.00 15 05 26 15 07 31

SKIDEGATE CH. 9850 53 15.00 132 04.00 15 05 27 15 08 26
 SKIDEGATE CH. 9850 53 15.00 132 04.00 15 10 13 15 10 28

WATER LEVEL DATA SET NUMBER: 16-0003
 YEAR:1916 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

OBSERVATORY IN 9443 55 25.00 129 50.00 16 05 01 16 10 27

WATER LEVEL DATA SET NUMBER: 22-0001
 YEAR:1922 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

DEAN CHANNEL 8962 52 21.00 127 41.00 22 05 12 22 11 04
 DEAN CHANNEL 8962 52 21.00 127 41.00 23 07 16 23 10 05
 HEcate STRAIT 9080 52 44.00 129 17.00 22 08 07 22 09 16
 HEcate STRAIT 9080 52 44.00 129 17.00 23 07 17 23 10 05

WATER LEVEL DATA SET NUMBER: 23-0002
 YEAR:1923 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

SKIDEGATE CH. 9850 53 15.00 132 04.00 23 10 17 23 12 17

WATER LEVEL DATA SET NUMBER: 24-0002
 YEAR:1924 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

Q.C.SOUND 9060 52 36.00 128 37.00 24 05 31 24 09 05
 SKIDEGATE CH. 9808 53 15.00 131 49.00 24 06 02 25 01 10

WATER LEVEL DATA SET NUMBER: 28-0003
 YEAR: 1928 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
		P T C							

Q.C.SOUND 8909 52 00.00 128 25.00 28 06 28 28 08 20
 Q.C.SOUND 9005 52 19.00 128 21.00 28 06 27 28 09 18

WATER LEVEL DATA SET NUMBER: 30-0002
 YEAR: 1930 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
		P T C							

CHATHAM SOUND 9309 54 05.00 130 24.00 30 06 21 30 12 31

WATER LEVEL DATA SET NUMBER: 31-0003
 YEAR: 1931 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
		P T C							

Q.C.SOUND 8416 50 51.00 127 51.00 31 07 05 32 01 31

WATER LEVEL DATA SET NUMBER: 35-0003
 YEAR: 1935 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
		P T C							

CAPE ST. JAMES 9713 52 09.00 131 05.00 35 05 05 35 09 02

WATER LEVEL DATA SET NUMBER: 42-0003
 YEAR: 1942 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
		P T C							

FITZ HUGH SD. 8860 51 36.00 127 49.00 42 09 09 42 09 12

WATER LEVEL DATA SET NUMBER: 43-0002
 YEAR:1943 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P T C						

MORSE BASIN 9344 54 15.00 130 14.00 43 06 18 43 06 19

WATER LEVEL DATA SET NUMBER: 47-0003
 YEAR:1947 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P T C						

Q.C.SOUND 8810 51 16.00 127 41.00 47 05 22 47 08 22

WATER LEVEL DATA SET NUMBER: 49-0007
 YEAR:1949 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P T C						

SKEENA RIVER 9275 54 14.00 129 48.00 49 07 24 49 08 27
 SKEENA RIVER 9275 54 14.00 129 48.00 49 09 23 49 10 06
 SKEENA RIVER 9285 54 13.00 129 35.00 49 07 23 49 08 27
 SKEENA RIVER 9285 54 13.00 129 35.00 49 09 23 49 10 05

WATER LEVEL DATA SET NUMBER: 50-0010
 YEAR:1950 VESSEL/AGENCY: GHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P T C						

HECATE STRAIT 9242 53 48.00 130 21.00 50 07 19 50 08 15 28

WATER LEVEL DATA SET NUMBER: 51-0013
 YEAR:1951 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P T C						

GARDNER CANAL 9150 53 31.00 128 07.00 51 08 08 52 10 29

LEGE

WATER LEVEL DATA SET NUMBER: 51-0015
 YEAR:1951 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
								P T C	

KITIMAT 9140 53 59.00 128 43.00 51 08 06 54 08 05

LEGE

WATER LEVEL DATA SET NUMBER: 53-0016
 YEAR:1953 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
								P T C	

PR.ROYAL CH. 9053 53 10.00 128 42.00 53 07 04 53 09 12
 PR.ROYAL CH. 9053 53 10.00 128 42.00 54 06 23 54 08 06
 HEcate STRAIT 9115 53 05.00 129 07.00 53 07 09 53 09 09
 HEcate STRATT 9242 53 48.00 130 21.00 53 04 28 53 07 03

LEGE

WATER LEVEL DATA SET NUMBER: 53-0017
 YEAR:1953 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
								P T C	

MASSET INLET 9927 53 37.00 132 18.00 53 04 23 53 06 06

WATER LEVEL DATA SET NUMBER: 54-0016
 YEAR:1954 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
								P T C	

HEcate STRAIT 9770 52 50.00 131 44.00 54 05 23 54 06 12 20

LEGE

WATER LEVEL DATA SET NUMBER: 54-0017
 YEAR:1954 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
								P T C	

PORLAND INLET 9414 54 43.00 130 14.00 54 07 28 54 08 27 30

FOXB

WATER LEVEL DATA SET NUMBER: 55-0022
 YEAR: 1955 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY		LEN MN	INSTR	WATER TYPE SENSOR
							P T C		

HECATE STRAIT	9765	52 43.00	131 35.00	55 06 20	55 07 24				
HECATE STRAIT	9765	52 43.00	131 35.00	55 08 05	55 08 13				
HECATE STRAIT	9765	52 43.00	131 35.00	55 08 17	55 09 07				
HECATE STRAIT	9765	52 43.00	131 35.00	55 09 09	55 09 19				
HECATE STRAIT	9765	52 43.00	131 35.00	55 09 23	55 09 24				
SKIDEgate CH.	9808	53 15.00	131 49.00	55 05 11	55 06 15				

WATER LEVEL DATA SET NUMBER: 56-0015
 YEAR: 1956 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY		LEN MN	INSTR	WATER TYPE SENSOR
							P T C		

DEAN CHANNEL	8970	52 49.00	127 00.00	56 08 31	56 09 21				
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WATER LEVEL DATA SET NUMBER: 56-0016
 YEAR: 1956 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY		LEN MN	INSTR	WATER TYPE SENSOR
							P T C		

HECATE STRAIT	9753	52 38.00	131 34.00	56 05 09	56 09 21				
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WATER LEVEL DATA SET NUMBER: 56-0017
 YEAR: 1956 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY		LEN MN	INSTR	WATER TYPE SENSOR
							P T C		

N.BENTINCK ARM	8937	52 23.00	126 48.00	56 04 24	57 05 20				
DEAN CHANNEL	8984	52 23.00	127 51.00	56 05 09	56 06 03	17			

WATER LEVEL DATA SET NUMBER: 57-0017
 YEAR: 1957 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY		LEN MN	INSTR	WATER TYPE SENSOR
							P T C		

HECATE STRAIT	9724	52 21.00	131 10.00	57 06 29	57 09 13	77			
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LEGE

WATER LEVEL DATA SET NUMBER: 57-0018
YEAR:1957 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT	
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE	SENSOR
									P T C	

SKIDEGATE CH.	9827	53 09.00	132 15.00	57 06 08	57 07 07			LEGE
SKIDEGATE CH.	9850	53 15.00	132 04.00	57 05 29	58 01 02			LEGE
DIXON ENTRANCE	9940	54 07.00	132 19.00	57 06 01	57 07 31			

WATER LEVEL DATA SET NUMBER: 58-0012
YEAR:1958 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT	
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE	SENSOR
									P T C	

HECATE STRAIT	9733	52 26.00	131 23.00	58 05 31	58 06 14	15			
HECATE STRAIT	9724	52 21.00	131 10.00	58 05 03	58 10 15			FOXB	

WATER LEVEL DATA SET NUMBER: 59-0017
YEAR:1959 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT	
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE	SENSOR
									P T C	

FITZ HUGH SD.	8830	51 29.00	127 33.00	59 08 03	59 09 30				
FITZ HUGH SD.	8860	51 36.00	127 49.00	59 07 31	59 09 03				
Q.C. SOUND	8906	51 54.00	128 26.00	59 07 04	59 09 08			FOXB	
HECATE STRAIT	9724	52 21.00	131 10.00	59 04 21	59 08 28			LEGE	
HECATE STRAIT	9733	52 26.00	131 23.00	59 04 29	59 05 10			LEGE	

WATER LEVEL DATA SET NUMBER: 60-0017
YEAR:1960 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT	
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE	SENSOR
									P T C	

SEYMOUR INLET	8458	51 03.00	126 44.00	60 05 12	60 06 09			LEGE	
SEYMOUR INLET	8464	51 05.00	127 15.00	60 05 11	60 06 09			LEGE	
SEYMOUR INLET	8470	51 07.00	127 32.00	60 05 09	60 06 11			LEGE	
BELIZE INLET	8476	51 10.00	127 25.00	60 05 09	60 06 07			LEGE	
BELIZE INLET	8482	51 07.00	127 16.00	60 05 17	60 06 16			LEGE	
BELIZE INLET	8488	51 09.00	127 00.00	60 05 10	60 06 07			LEGE	
Q.C. SOUND	9010	52 24.00	128 16.00	60 08 01	60 09 17	16		FOXB	
Q.C.SOUND	9020	52 45.00	128 22.00	60 05 19	60 06 14			LEGE	
Q.C.SOUND	9026	52 50.5	128 08.5	60 09 19	60 10 05	17		FOXB	
Q.C.SOUND	9035	52 36.00	128 31.00	60 05 17	60 06 15			FOXB	
HECATE STRAIT	9077	52 39.00	129 28.80	60 04 27	60 08 19			FOXB	
HECATE STRAIT	9077	52 39.00	129 28.80	61 07 04	61 10 05			FOXB	
CAPE ST JAMES	9502	51 56.00	131 01.00	60 06 07	60 11 18				
Q.C. SOUND	9717	52 14.00	131 09.00	60 07 01	60 07 29			FOXB	

WATER LEVEL DATA SET NUMBER: 61-0023
YEAR:1961 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
						P	T	C	

Q.C.SOUND	8976	52 10.00	128 08.00	61 07 15	84 01 01				
Q.C.SOUND	9028	52 54.00	128 15.00	61 08 20	61 08 31	11	FOXB		
Q.C.SOUND	9063	52 37.00	128 46.00	61 07 18	61 08 15		LEGE		
PORTLAND INLET	9414	54 43.00	130 14.00	61 09 06	61 09 25		LEGE		

WATER LEVEL DATA SET NUMBER: 62-0027
YEAR:1962 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
						P	T	C	

Q.C.SOUND	8805	51 15.00	127 50.00	62 06 22	62 10 03		FOXB		
Q.C.SOUND	8805	51 15.00	127 50.00	63 07 30	63 10 09		FOXB		
Q.C.SOUND	8810	51 16.00	127 41.00	62 08 01	62 09 30				
HECATE STRAIT	9232	53 37.00	130 34.00	62 04 24	62 09 17		FOXB		
NASS RIVER	9422	55 00.00	129 59.00	62 07 17	62 07 29		LEGE		
NASS RIVER	9422	55 00.00	129 59.00	62 09 04	62 09 17		LEGE		
PORTLAND INLET	9406	54 35.00	130 21.00	62 06 22	62 08 28		LEGE		

WATER LEVEL DATA SET NUMBER: 63-0017
YEAR:1963 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
						P	T	C	

NASS RIVER	9422	55 00.00	129 59.00	63 07 27	63 08 25		LEGE		
NASS RIVER	9425	55 00.00	129 54.00	63 07 25	63 08 06		FOXB		
OBSERVATORY IN	9435	55 16.00	129 51.00	63 08 13	63 09 03		FOXB		
OBSERVATORY IN	9450	55 33.00	129 46.00	63 09 04	63 09 12	8	FOXB		
SKIDEgate CH.	9827	53 09.00	132 15.00	63 06 07	63 07 08				
SKIDEgate CH.	9850	53 15.00	132 04.00	63 06 01	63 08 16		LEGE		
MASSET INLET	9910	54 01.00	132 09.00	63 06 08	63 07 07				
MASSET INLET	9920	53 41.00	132 10.00	63 06 05	63 07 04				
DIXON ENTRANCE	9963	54 14.00	132 58.60	63 07 20	63 08 16				
DIXON ENTRANCE	9963	54 14.00	132 58.60	64 06 01	64 06 14		FOXB		

WATER LEVEL DATA SET NUMBER: 64-0018
YEAR:1964 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
						P	T	C	

BURKE CHANNEL	8873	51 54.00	127 51.00	64 05 19	64 05 31		FOXB		
BURKE CHANNEL	8928	52 19.00	127 10.00	64 04 30	64 05 16		FOXB		
BURKE CHANNEL	8935	52 22.00	126 52.00	64 04 10	64 04 27		FOXB		

WATER LEVEL DATA SET NUMBER: 64-0020
 YEAR:1964 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
							P	T	C

CHATHAM SOUND	9306	54 03.00	130 32.00	64 09 11	64 09 26				
CHATHAM SOUND	9333	54 37.00	130 51.00	64 06 06	64 07 18			FOXB X	
NASS RIVER	9425	55 00.00	129 54.00	64 09 06	64 09 15			FOXB X	
OBSERVATORY IN	9450	55 33.00	129 46.00	64 08 16	64 09 04			FOXB X	
CHATHAM SOUND	9940	54 07.00	132 19.00	64 05 22	64 07 19			OTTB X	

WATER LEVEL DATA SET NUMBER: 64-0022
 YEAR:1964 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
							P	T	C

SKIDEgate CH. 9850 53 15.00 132 04.00 64 06 01 84 11 01

WATER LEVEL DATA SET NUMBER: 64-0023
 YEAR:1964 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
							P	T	C

N.BENTINCK ARM 8937 52 23.00 126 48.00 64 05 01 67 06 30

WATER LEVEL DATA SET NUMBER: 65-0018
 YEAR:1965 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE SENSOR
							P	T	C

PORTLAND INLET	9418	54 50.50	130 10.50	65 07 12	65 08 22				
PORTLAND INLET	9418	54 50.50	130 10.50	66 08 11	66 09 23				
OBSERVATORY IN	9443	55 25.00	129 49.50	65 07 11	65 09 21			OTTB X	
ALICE ARM	9448	55 28.00	129 30.00	65 07 10	65 09 15			X	

WATER LEVEL DATA SET NUMBER: 65-0019
 YEAR:1965 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

CHATHAM SOUND 9306 54 03.00 130 32.00 65 05 22 65 09 24 OTTB X

WATER LEVEL DATA SET NUMBER: 66-0021
 YEAR:1966 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

CHATHAM SOUND 9310 54 04.50 130 26.70 66 08 11 66 09 14 OTTB X
 CHATHAM SOUND 9315 54 13.00 130 46.00 66 05 12 66 09 14 OTTB X

WATER LEVEL DATA SET NUMBER: 67-0024
 YEAR:1967 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

Q.C. SOUND 9060 52 36.00 128 37.00 67 05 22 67 07 25 FOXB X
 CHATHAM SOUND 9325 54 26.60 130 43.50 67 06 12 67 08 29 X
 PRINCE RUPERT 9342 54 13.70 130 17.60 67 07 03 67 08 07
 PRINCE RUPERT 9343 54 15.00 130 16.00 67 07 15 67 08 07
 PRINCE RUPERT 9344 54 15.00 130 14.00 67 07 06 67 08 07
 PRINCE RUPERT 9360 54 20.00 130 17.00 67 07 05 67 08 08
 CHATHAM SOUND 9391 54 35.40 130 27.50 67 07 02 67 07 20 OTTB X

WATER LEVEL DATA SET NUMBER: 68-0027
 YEAR:1968 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

Q.C.SOUND 8981 52 14.50 128 02.20 68 05 30 68 06 19 FOXB
 Q.C.SOUND 8981 52 14.50 128 02.20 68 07 08 68 08 26 FOXB

WATER LEVEL DATA SET NUMBER: 69-0032
 YEAR:1969 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

Q.C.SOUND 9060 52 36.00 128 37.00 69 07 01 69 07 16 FOXB X

WATER LEVEL DATA SET NUMBER: 69-0033
 YEAR:1969 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

CHATHAM SOUND 9391 54 35.50 130 27.50 69 08 15 69 09 29 FOXB X

WATER LEVEL DATA SET NUMBER: 70-0032
 YEAR:1970 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

CHATHAM SOUND 9327 54 27.00 130 51.00 70 06 01 70 07 31
 CHATHAM SOUND 9391 54 35.40 130 27.50 70 08 70 09 FOXB X

WATER LEVEL DATA SET NUMBER: 71-0038
 YEAR:1971 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

DIXON ENTRANCE 9333 54 37.00 130 51.00 71 06 29 71 08 28 FOXB

WATER LEVEL DATA SET NUMBER: 72-0044
 YEAR:1972 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

CHATHAM SOUND 9312 54 06.00 130 20.00 72 08 25 72 09 27 FOXB X
 MASSET INLET 9910 54 00.50 132 09.00 72 07 07 72 08 24 FOXB X
 DIXON ENTRANCE 9940 54 07.00 132 19.00 72 07 10 72 08 23 X

WATER LEVEL DATA SET NUMBER: 73-0040
 YEAR:1973 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

DIXON ENTRANCE 9964 54 15.00 133 02.00 73 02 01 73 12 31

WATER LEVEL DATA SET NUMBER: 73-0041
 YEAR:1973 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

SKEENA RIVER 9260 54 05.00 130 05.00 73 08 17 73 09 19 33 60 OTTB X
 SKEENA RIVER 9260 54 05.00 130 05.00 74 06 05 74 06 25 20 60 FOXB X

WATER LEVEL DATA SET NUMBER: 73-0042
 YEAR:1973 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

CHATHAM SOUND 9250 53 59.00 130 11.00 73 08 17 73 09 19 33 60 FOXB X

WATER LEVEL DATA SET NUMBER: 74-0049
 YEAR:1974 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

SKEENA RIVER 9266 54 10.60 130 00.50 74 06 06 74 06 25 19 60 FOXB X

WATER LEVEL DATA SET NUMBER: 75-0070
 YEAR:1975 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

DIXON ENTRANCE 9964 54 15.00 133 02.00 75 03 01 79 12 31

WATER LEVEL DATA SET NUMBER: 77-0042
 YEAR:1977 VESSEL/AGENCY: IOS,DOBROCKY

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P	T	C				

KILDALA ARM	1	53 52.10	128 42.10	77 09 27	77 12 09			TG3A
KILDALA ARM	1	53 52.10	128 42.10	78 03 09	78 06 10			TG3A
REDFERN POINT	2	53 01.40	129 11.50	77 09 26	77 12 07			TG3A
REDFERN POINT	2	53 01.40	129 11.50	77 12 13	78 03 08			TG3A
GREEN INLET	3	52 55.10	128 29.80	77 07 16	77 09 25			TG3A
GREEN INLET	3	52 55.10	128 29.80	77 12 09	78 03 09			TG3A
CAMPANIA IS.	4	53 10.40	129 32.80	77 07 08	77 09 26			TG3A
CAMPANIA IS.	4	53 10.40	129 32.80	77 09 26	77 12 10			TG3A
KLEWNUGGIT IN.	5	53 40.80	129 45.60	77 07 11	77 09 29			TG3A
KLEWNUGGIT IN.	5	53 40.80	129 45.60	78 03 12	78 06 09			TG3A
DOUGLAS CH.	6	53 23.00	129 16.80	77 10 03	77 12 06			TG3A
DOUGLAS CH.	6	53 23.00	129 16.80	77 12 06	78 03 07			TG3A
DOUGLAS CH.	6	53 23.00	129 16.80	78 03 07	78 06 09			TG3A
DOUGLAS CH.	7	53 29.00	128 07.30	78 03 11	78 06 10			TG3A
DOUGLAS CH.	8	53 35.00	128 53.50	77 12 11	78 03 11			TG3A

WATER LEVEL DATA SET NUMBER: 77-0057A
 YEAR:1977 VESSEL/AGENCY: CHS,PARIZEAU

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P	T	C				

Q.C.SOUND	Q05	51 22.00	130 01.00	77 05 18	77 07 19	15	275	275 750A X
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WATER LEVEL DATA SET NUMBER: 77-0067
 YEAR:1977 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P	T	C				

KITIMAT	9140	53 59.00	128 43.00	77 04 25	78 10 31	248 60		HWK
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No record Aug. 1-18, 1978.

WATER LEVEL DATA SET NUMBER: 77-0068
 YEAR:1977 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P	T	C				

HECATE STRAIT	9105	52 58.00	129 36.00	77 06 21	77 08 30	69 60		OTTB X
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WATER LEVEL DATA SET NUMBER: 78-0057
 YEAR: 1978 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P T C						

MASSET INLET 9920 53 41.00 132 10.00 78 07 19 78 08 02 14 60
 MASSET INLET 9930 53 41.50 132 36.00 78 08 03 78 08 25 22 60

OTTB X
 OTTB X

WATER LEVEL DATA SET NUMBER: 79-0060
 YEAR: 1979 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P T C						

Q.C.SOUND 9056 52 29.20 128 45.70 79 07 23 79 08 21 32 60
 Q.C.SOUND 9063 52 37.00 128 46.00 79 06 22 79 08 15 53 60
 Q.C.SOUND 9067 52 45.00 129 04.00 79 06 16 79 07 20 33 60
 HECAFE STRAIT 9823 53 08.90 132 12.80 79 07 24 79 07 31 0TTB X
 MASSET INLET 9920 53 41.00 132 10.00 79 08 01 79 09 22 0TTB X

WATER LEVEL DATA SET NUMBER: 79-0065
 YEAR: 1979 VESSEL/AGENCY: IOS, TIDE&CURR.

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P T C						

CAPE ST. JAMES 9710 52 07.22 131 02.00 79 04 22 79 12 03 30 750A X X

WATER LEVEL DATA SET NUMBER: 80-0053
 YEAR: 1980 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
		P T C						

MASSET INLET 9910 54 00.00 132 09.00 80 04 28 80 06 25 57 60
 MASSET INLET 9920 53 41.00 132 10.00 80 04 29 80 06 10 42 60
 DIXON ENTRANCE 9940 54 07.00 132 19.00 80 06 15 80 09 05 81 60
 DIXON ENTRANCE 9950 54 02.00 132 35.00 80 08 06 80 09 08 28 60
 OTTB X
 OTTB X
 OTTB X
 OTTB X

WATER LEVEL DATA SET NUMBER: 81-0018
 YEAR:1981 VESSEL/AGENCY: IOS,COASTAL

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		
ALICE ARM	L100	55 27.32	129 30.15	81 12 05	82 09 02	270 30	10.4	750A
ALICE ARM	L123	55 16.35	129 50.80	81 12 06	82 08 31	268 30	7.6	750A
ALICE ARM	L126	54 50.10	130 16.80	81 12 07	82 06 11	185 30	7.6	750A
ALICE ARM	A45	55 26.90	129 29.42	81 12 21	82 01 19	29 15	3.6	750A
ALICE ARM	L105	54 50.10	130 16.80	81 12 06	82 09 24	291 30	7.9	750A
ALICE ARM	A171	55 27.32	129 30.15	81 12 05	82 09 25	293 60	9.9	TG3A

WATER LEVEL DATA SET NUMBER: 81-0021
 YEAR:1981 VESSEL/AGENCY: DOME/SEAKEM,ESL

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		
CHATHAM SD.		54 35.3	130 25.5	81 05 02	81 06 14	42 8	10	10 AAND X X

WATER LEVEL DATA SET NUMBER: 81-0055
 YEAR:1981 VESSEL/AGENCY: CHS,ENDEAVOUR

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		
DIXON ENTRANCE	4	54 40.0	132 01.5	81 02 05	81 09 11	30	137	137 TG3A X X
DIXON ENTRANCE	3	54 38.4	132 41.3	81 02 05	81 09 12	30	91	91 TG3A X X
DIXON ENTRANCE	1	54 14.5	133 09.8	81 02 05	81 09 12	30	137	137 TG3A X X
DIXON ENTRANCE	6	54 15.6	131 57.0	81 02 06	81 09 11	30	201	201 TG3A X X
HECATE STRAIT	8	53 16.5	130 58.0	81 02 06	81 09 11	30	82	82 TG12 X X
HECATE STRAIT	7	54 07.25	131 01.4	81 02 06	81 09 11	30	101	101 TG3A X X
DIXON ENTRANCE	5	54 40.1	131 15.8	81 02 05	81 09 12	30	201	201 750A X X
DIXON ENTRANCE	2	54 27.3	132 53.7	81 02 05	81 09 12	30	366	366 750A X X

WATER LEVEL DATA SET NUMBER: 81-0056A
 YEAR:1981 VESSEL/AGENCY: CHS,ENDEAVOUR

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
						P T C		

CAPE ST. JAMES 9710 52 07.22 131 02.00 81 09 13 82 05 20

9 9 750A X

WATER LEVEL DATA SET NUMBER: 81-0058
 YEAR:1981 VESSEL/AGENCY: AMAX,DOBROCKY

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

ALICE ARM 55 26.88 129 29.42 81 07 31 81 11 22 114 15 9.7 10. TG3A X X

WATER LEVEL DATA SET NUMBER: 81-0060
 YEAR:1981 VESSEL/AGENCY: AMAX,DOBROCKY

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

ALICE ARM 55 26.90 129 29.45 81 11 22 81 12 21 25 15 9.7 10. TG3A X X

WATER LEVEL DATA SET NUMBER: 81-0061
 YEAR:1981 VESSEL/AGENCY: AMAX,DOBROCKY

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

ALICE ARM 55 26.88 129 29.42 81 05 27 81 07 29 62 15 9.7 10. TG3A X X

WATER LEVEL DATA SET NUMBER: 81-0065
 YEAR:1981 VESSEL/AGENCY: AMAX,DOBROCKY

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

ALICE ARM 55 26.90 129 29.45 81 12 15 82 01 20 36 15 9.7 10. TG3A X X

WATER LEVEL DATA SET NUMBER: 82-0037
 YEAR:1982 VESSEL/AGENCY: IOS,COASTAL

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER TYPE SENSOR
								P T C

ALICE ARM L103 54 50.10 130 16.80 82 08 31 83 04 19 231 30 8.0 750A
 ALICE ARM L104 55 16.35 129 50.80 82 08 31 83 04 19 230 30 8.2 750A

WATER LEVEL DATA SET NUMBER: 82-0040
 YEAR:1982 VESSEL/AGENCY: IOS,COASTAL

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
								P T C	

ALICE ARM	A171	55 27.32	129 30.15	82 09 25	83 04 18	205 60	10.1	TG3A	
ALICE ARM	L105	55 16.35	129 50.80	82 09 24	83 04 19	206 30	8.0	750A	
ALICE ARM	L100	54 50.10	130 16.80	82 09 24	83 04 19	207 30	8.2	750A	

WATER LEVEL DATA SET NUMBER: 82-0046
 YEAR:1982 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
								P T C	

SKIDEgate CH.	9840	53 12.50	132 17.00	82 04 27	82 06 14	FOXB X			
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WATER LEVEL DATA SET NUMBER: 82-0051
 YEAR:1982 VESSEL/AGENCY: CHS,PARIZEAU

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
								P T C	

QUEEN CH.SOUND	G01	51 36.04	128 53.00	82 05 29	82 09 22	15	50	50	TG12 X X
QUEEN CH.SOUND	G05	51 21.75	128 54.88	82 05 29	82 09 21	15	240	240	TG3A X X
QUEEN CH.SOUND	Q06	51 51.96	130 29.04	82 05 30	82 09 18	15	280	280	TG2A X
CAPE ST. JAMES	9710	52 07.22	131 02.00	82 05 21	83 05 03	30	6	6	750A X X
HECATE STRAIT	52	42.82	131 34.63	82 05 21	83 09 21	30	10	10	750A X X
HECATE STRAIT	54	01.41	130 36.77	82 05 23	83 09 18	30	9	9	750A X X
HECATE STRAIT	52	46.88	129 17.92	82 05 23	83 09 25	30	12	12	750A X X
FITZ HUGH SD.	51	41.36	128 06.38	82 05 24	83 01 21	30	12	12	750A X X

WATER LEVEL DATA SET NUMBER: 82-0052
 YEAR:1982 VESSEL/AGENCY: DOBROCKY/AMAX

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
								P T C	

ALICE ARM		55 26.88	129 29.42	82 01 20	82 03 06	15		10	TG3A X
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WATER LEVEL DATA SET NUMBER: 82-0053
 YEAR:1982 VESSEL/AGENCY: DOBROCKY/AMAX

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
							P	T	C

ALICE ARM 55 26.88 129 29.42 82 03 08 82 05 19 15 10 TG3A X

WATER LEVEL DATA SET NUMBER: 83-0021
 YEAR:1983 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
							P	T	C

Q.C. SOUND 8958 52 10.00 127 55.00 83 08 09 83 09 19 41 60 OTTB
 Q.C. SOUND 8974 52 09.00 128 05.00 83 09 04 83 09 29 25 60 OTTB
 Q.C. SOUND 8978 52 12.00 128 10.00 83 07 09 83 09 04 57 60 OTTB
 DIXON ENTRANCE 9958 54 11.40 133 00.10 83 06 09 83 06 28 19 60 OTTB X

WATER LEVEL DATA SET NUMBER: 83-0034
 YEAR:1983 VESSEL/AGENCY: IOS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
							P	T	C

FITZ HUGH SD. 51 41.36 128 06.38 83 01 22 83 09 28 30 18 18 750A X X

WATER LEVEL DATA SET NUMBER: 83-0035
 YEAR:1983 VESSEL/AGENCY: IOS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	SENSOR
							P	T	C

CAPE ST. JAMES 9710 52 07.22 131 02.00 83 05 03 84 01 24 30 6 6 AML X
 HOUSTON ST CH 52 04.59 131 07.42 83 05 04 83 09 09 30 13 13 TG3A X X
 SKIDEGATE CH. 53 09.78 132 27.54 89 05 05 89 09 11 62 30 4 4 WLR5 X
 DIXON ENTRANCE 54 13.47 132 57.85 83 05 07 83 09 16 62 30 14 14 TG12 X
 53 10.41 131 16.48 83 05 14 83 09 20 ? 30 39 39 WLR5 X
 HECHATE STRAIT 54 01.40 130 36.70 83 09 18 84 04 12 207 30 9 9 750A X X
 HECHATE STRAIT 53 43.06 131 44.13 83 04 29 83 09 19 30 15 15 TG12 X

WATER LEVEL DATA SET NUMBER: 83-0036A
 YEAR:1983 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT	
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE	SENSOR
								P	T	C

DIXON ENTRANCE 54 13.47 132 57.85 83 09 16 84 01 21 .62 30 14 14 TG12 X X

WATER LEVEL DATA SET NUMBER: 83-0036B
 YEAR:1983 VESSEL/AGENCY: IOS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT	
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE	SENSOR
								P	T	C

HECATE STRAIT	52 46.88	129 17.92	83 09 26	84 04 10	30	12	12	AML	X
HECATE STRAIT	52 42.82	131 34.63	83 09 21	84 04 11	204 30	10	10	AML	XX
FITZ HUGH SD.	51 41.36	128 06.38	83 09 28	84 01 25	30	18	18	AML	XX
HOUSTON-ST CH.	52 04.59	131 07.42	83 09 09	84 04 24	30	8	8	TG3A	XX

WATER LEVEL DATA SET NUMBER: 84-0001
 YEAR:1984 VESSEL/AGENCY: CHS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT	
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE	SENSOR
								P	T	C

DIXON ENTRANCE 54 13.47 132 57.85 84 01 21 84 04 21 30 13 13 TG12 X X

WATER LEVEL DATA SET NUMBER: 84-0002
 YEAR:1984 VESSEL/AGENCY: IOS, PARIZEAU

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST	ADDIT	
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR	WATER	TYPE	SENSOR
								P	T	C

DIXON ENTRANCE	D06 54 12.18	131 56.94	84 04 18	84 10 20	185 30	118	118	TG12	X
DIXON ENTRANCE	D15 54 33.07	131 21.28	84 04 16	84 10 21	188 30	110	110	WLR5	XX
HOUSTON-ST CH.	52 04.59	131 07.42	84 04 24	84 10 13	30	8	8	TG3A	XX
HECATE STRAIT	54 01.41	130 36.77	84 04 13	84 10 28	30	9	9	750A	XX
DIXON ENTRANCE	54 13.47	132 57.85	84 04 21	84 10 26	30	10	10	TG12	XX
DIXON ENTRANCE	54 44.82	132 50.68	84 04 15	84	30	10	10	750A	XX
DIXON ENTRANCE	54 47.62	131 58.08	84 04 15	84	30	10	10	750A	XX
DIXON ENTRANCE	54 56.05	130 57.63	84 04 16	84	30	15	15	750A	XX

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.
INST & WATER DPTH	In metres.
INSTR TYPE	635 - Sea Data pressure recorder 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 CA - possible calibration problems S - suspect readings C - constant readings O - zero or obviously bad readings

Blank entries indicate unavailable or inappropriate data.

? signifies data which are either unknown or may be suspect. For example, a location which plots on land.

WAVE DATA SET NUMBER: 68-0026
 YEAR:1968 VESSEL/AGENCY: SEDCO 135F

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR WATER TYPE SENSOR	P T C

HECATE STRAIT	B10	52 49.1	131 00.7	68 06 01	68 06 06	6		27
HECATE STRAIT	B10	52 49.1	131 00.7	68 07 04	68 07 06	3		27
HECATE STRAIT	B10	52 49.1	131 00.7	68 07 08	68 07 09	2		27
HECATE STRAIT	B10	52 49.1	131 00.7	68 07 11	68 07 13	3		27
HECATE STRAIT	E66	52 45.4	130 55.3	68 07 27	68 08 02	7		60
HECATE STRAIT	G41	52 20.3	130 36.5	68 08 20	68 08 24	5		169
HECATE STRAIT	I74	53 33.5	131 25.8	69 03 19	69 03 30	12		22
HECATE STRAIT	L15	52 24.7	130 47.6	69 04 10	69 04 18	9		115

WAVE DATA SET NUMBER: 72-0043
 YEAR:1972 VESSEL/AGENCY: ?/MEDS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR WATER TYPE SENSOR	P T C

CHATHAM SOUND	104 54 11.2	130 30.1	72 09 28	73 06 13	259			
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WAVE DATA SET NUMBER: 76-0056
 YEAR:1976 VESSEL/AGENCY: ?/MEDS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR WATER TYPE SENSOR	P T C

CHATHAM SOUND	88 54 14.2	130 20.3	76 04 19	76 07 23	96			
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WAVE DATA SET NUMBER: 77-0064
 YEAR:1977 VESSEL/AGENCY: ?/MEDS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTHs	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR WATER TYPE SENSOR	P T C

DIXON ENTRANCE	113 54 59.8	129 58.8	77 03 10?	78 02 26	355			
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WAVE DATA SET NUMBER: 77-0065
 YEAR:1977 VESSEL/AGENCY: ?/MEDS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTH(S)	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR WATER TYPE SENSOR	P T C

KITIMAT 118 53 58.9 128 39.2 77 07 10?78 03 22 256

WAVE DATA SET NUMBER: 81-0021E
 YEAR:1981 VESSEL/AGENCY: SEAKEM,MEDS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTH(S)	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR WATER TYPE SENSOR	P T C

CHATHAM SOUND 126 54 35. 130 26. 81 05 01 82 03 02

WAVE DATA SET NUMBER: 82-0044
 YEAR:1982 VESSEL/AGENCY: SEAKEM,MEDS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTH(S)	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR WATER TYPE SENSOR	P T C

LANGARA ISLAND	211 54 26.9	133 19.4	82 11 01	84 05 04	293	WRDR
LANGARA ISLAND	212 54 26.2	132 48.3	82 11 06	84 04 30	381	WRDR
BONILLA ISLAND	213 53 21.2	130 46.7	82 11 05	84 01 15	156	WTRK
MCINNES ISLAND	214 52 06.8	128 57.5	83 04 21	84 05 15	190	WVEC
HECATE STRAIT	215 52 11.6	130 20.5	82 10 01	84 05 20	370	WRIP
Q.C.SOUND	216 51 18.5	129 57.6	82 10 01	84 05 21	270	WRIP

WAVE DATA SET NUMBER: 83-0035
 YEAR:1983 VESSEL/AGENCY: PARIZEAU,IOS

AREA	STN	LAT	LON	START	STOP	EFF DT	DEPTH(S)	INST ADDIT
		DEG MIN	DEG MIN	YR MO DY	YR MO DY	LEN MN	INSTR WATER TYPE SENSOR	P T C

HECATE STRAIT W05 53 10.4 131 16.5 83 05 14 83 09 20 37 39 750A X X

APPENDIX 1

REMARKS - METHODS, PROBLEMS AND
ERRORS BY DATA-SET NUMBER

03-0001 CHS

MEDS files indicate data from Jan. 1, 1903-Dec. 31, 1926. Apparently continuous data are available for this station (9390, Port Simpson). For information regarding instrument type, sample interval, etc., contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364).

05-0002 CHS

No information could be found on instrument, sample interval, etc. Analyses were done by the Liverpool Observatory and Tidal Institute. For more information, contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364).

05-0003 CHS

Tabulated hourly heights, as well as times of high and low water, are on file at IOS. Further information may be obtained from Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364).

06-0002 CHS

Station 9354 is a permanent water-level recording station at Prince Rupert which was established in 1906. Details on methods, instruments, sample interval, etc. may be obtained from Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364).

07-0002 CHS

No information was found on instrument, sample interval, etc. Some early water level data consisted of times of high and low water only. Further information may be obtained from Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364).

09-0001 CHS

See 07-0002.

The MEDS files indicate measurements were obtained from the first day of the month to the last day of the month. The actual record length is generally less. In the case of station 9260 of this data set, the exact start/stop dates are unknown. The 9265 station record is contained on a strip chart at IOS; therefore this was not a high water/low water record.

10-0002 CHS

See 07-0002.

36-0004 DOT Light Station, Langara Island

Refer to Section 3.1 of this report.

37-0004 CATALYST, U. of Washington/POG (1956)

See 34-0001.

37-0008 DOT Light Station, Ivory Island

Refer to Section 3.1.

37-0009 DOT Light Station, Pine Island

Refer to Section 3.1.

38-0002 AMLAC, Pacific Biological Station (Nanaimo),

Ekman reversing bottles were used, and salinities determined by titration using a modified Mohr technique.

39-0001 DOT Light Station, Triple Island

Refer to Section 3.1.

40-0004 DOT Light Station, Langara Island

Refer to Section 3.1.

40-0005 DOT Light Station, Prince Rupert

Refer to Section 3.1.

40-0006 DOT Light Station, Masset

Refer to Section 3.1.

40-0007 DOT Light Station, Shannon Bay

Refer to Section 3.1.

41-0002 DOT Light Station, Port Clements

Refer to Section 3.1.

42-0003 CHS

No information regarding instrument, accuracy, etc. was found. Further enquiries should be directed to Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364).

43-0002 CHS

See 42-0003.

24-0002 CHS

The station 9060 data consist of a harmonic analysis form (July 15-Aug. 13) and as times of high and low waters. No information was found regarding the 9808 record. Contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364) for further details.

28-0003 CHS

The data for each of these stations consist of heights of high and low waters and a 29-day harmonic analysis form. Contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364) for further details.

30-0002 CHS

The data consist of heights of high and low waters and a harmonic analysis form. No details of instrument type, etc. were found. Further information may be obtained from Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364).

31-0003 CHS

See 30-0002.

34-0001 CATALYST, U. of Washington

POG (1956) includes the three stations occupied in Dixon Entrance by Dr. T.G. Thompson, of U. of Washington. No methods, accuracy, etc. are given but it is assumed that reversing thermometers and titration were used.

34-0002 Atmospheric Environment Services (AES) Meteorological Station, Cape St. James

Refer to Section 3.1 of this report.

35-0003 CHS

See 30-0002.

35-0004 DOT Light Station, Green Island

Refer to Section 3.1 of this report.

36-0003 ARMENTIERES, Pacific Biological Station (Nanaimo),

This was the first oceanographic survey of the region off Vancouver Island. Ekman bottles were used at depths of 1, 10, 25, 50, 100, 150, 200, 300, 400, 600 and 800 m. Water samples were returned to the Pacific Biological Station, Nanaimo, where salinities were determined by titration. Surface samples (bucket) were also collected every 10 minutes between stations. Time zone of recordings is GCT (Wooster et al., ed., 1961).

51-0015 CHS

See 51-0013.

51-0016 CEDARWOOD, POG

Fjarlie reversing bottles were used; salinities were determined by titration (POG, 1956).

51-0017 CEDARWOOD, POG

The data were collected by PBS, Nanaimo and are on file with NODC. No details were available.

52-0013 CEDARWOOD, POG

The length of time for a drogue pole to "run out" a known amount of line was used to calculate surface current speed. Bottom currents (73 m) were also measured every 30 minutes using an Ekman meter (Mackay, 1953, 1954).

53-0016 CHS

The 1953 record at station 9053 (Butedale, Princess Royal Channel) was obtained using a portable Lege gauge. No details were found regarding the 1954 record. There was also mention of a 3-day record obtained in 1949.

The records for stations 9115 and 9242 exist as a 29-day harmonic analysis form at IOS. No other details were found.

53-0017 CHS

The data consist of times and heights of high and low waters and a 29-day harmonic analysis form.

53-0018 DOT Light Station, Sandspit

Refer to Section 3.1 of text.

54-0012 CEDARWOOD, POG

In conjunction with the bottle-cast data, current measurements were made near surface (drag) and at depth (Ekman meter). The vessel was anchored, generally for about 2 days, while data were collected at half- or one-hour intervals. Current-drag measurements were made using a crossed metal vane, buoyed by glass balls. The time for the drag to take up 30 to 50 m of payed-out line determined the current speed.

Surface temperatures were also measured every half hour, between stations.

54-0016 CHS

See 42-0003. Data consist of times and heights of high and low waters.

47-0003 CHS

The data consist of some times and heights of high and low waters (approx. 1 month) and a harmonic analysis form.

48-0009 Pacific Oceanographic Group (Nanaimo)

Drs. Tully of POG (FRB) and Cameron of UBC directed the cruise. Ekman reversing bottles were used. Salinities were determined by titration. Temperatures were measured mainly by BT's; however, some data were recorded using Richter and Wiese reversing thermometers. BT's were also deployed between some of the stations.

Seven anchor stations were occupied for periods of 10 to 40 hours. T/S profiles were made every 1-2 hours, and current drag measurements (0-18 m) at three of the stations. Trites (1953, 1956) discusses the results; however no station locations, times, etc. were reported, nor are they on file at MEDS. The original data log sheets are in the "vault" at IOS, Sidney, B.C.

49-0007 CHS

The July-Aug. data for these two stations consist of times and heights of high and low waters and harmonic analysis forms. Data for the Sept.-Oct. period are less extensive. No information on instrument type, accuracy, etc. was found. Further enquiries should be directed to Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364).

50-0006 CEDARWOOD, POG

Methods, accuracies are not provided (Scripps, 1960).

50-0010 CHS

The record for station 9242 exists as times and heights and a 29-day harmonic analysis form. Further enquiries should be directed to Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364).

51-0009 EHKOLI, UBC

Station 208 plots on Banks Island. The location ($53^{\circ}18'N$, $129^{\circ}57'W$) is taken from IOUBC, 1953. Station 243 ($55^{\circ}46.8'N$, $130^{\circ}19.5'W$) is offset from Portland Channel and is also the recorded position.

51-0012 CEDARWOOD, POG

See 51-0016.

51-0013 CHS

Data are available at IOS as tabulated hourly heights and daily means. Some information is also available on times and heights of high and low waters and monthly extremes.

57-0018 CHS

The station 9827 record is on strip chart at IOS and includes hourly heights. The 9850 record exists as original diagrams and hourly heights; the 9950 data as hourly heights.

57-0019 CLIFTON, UBC

No details on vessel, methods, etc. have been found.

58-0008 OSHAWA, POG

Salinities were determined by $S = 0.03 + 1.805 \text{ Cl}^{\circ}/\text{oo}$, using conductivity as a measure of $\text{Cl}^{\circ}/\text{oo}$ by comparison with Copenhagen Standard water samples.

58-0012

See 42-0003. The record for station 9724 is on file at IOS and includes hourly heights and a 29-day harmonic analysis.

58-0014 OSHAWA, POG

Salinity (using $S = 0.03 + 1.805 \text{ Cl}^{\circ}/\text{oo}$) was determined using a conductivity salinometer.

59-0017 CHS

See 42-0003. The record for station 9724 is on file at IOS. The 9733 record is on file at IOS but has never been processed. No information was found for the 8830 record. For 8860, a 30-day harmonic analysis exists. The original 8906 record is on file, as well as a 28 day harmonic analysis.

60-0017 CHS

For most of the stations, the original records are on file at IOS and the data also exists as hourly heights and harmonic analyses. At station 9502, both a Lege and Foxboro gauge were used. The 9717 record has not been processed. For further information, contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364).

60-0018 DOT Light Station, Bonilla Island

Refer to Section 3.1 of text.

61-0021

Methods/accuracies were not specified (Antia et al., 1962).

61-0022 EHKOLI, Pacific Biological Station

Times are local (PST).

Fjarlie bottles were used to collect water samples. Salinities were determined using a salinometer. Samples with very low salinity were titrated.

54-0017

The station 9414 record was obtained using a circular Foxboro gauge. The record is on file at IOS and has been transferred to a 29-day harmonic analysis form.

54-0018 DOT Light Station, McInnes Island

Refer to Section 3.1 of text.

55-0013 POG (1955b)

Current measurements were made as in 54-0012. All stations were made from the CEDARWOOD, except station T which was from the PARRY.

Surface samples were also collected between stations, every half hour.

55-0020 & JONQUIERE, POG**55-0021**

Surface samples were also collected between stations every half hour.

55-0022 CHS

See 42-0003. The record from station 9808 exists as hourly heights and a 29 day harmonic analysis. No record from station 9765 could be found.

56-0015 CHS

See 42-0003.

56-0016 CHS

See 42-0003. The data exist on a 29-day harmonic analysis form stored at IOS.

56-0017 CHS

See 42-0003. The data exist as hourly heights and daily means, stored at IOS.

57-0008 OSHAWA, POG

This survey was largely offshore; of 68 stations, only 2 were in this study area. The method of salinity determination was not stated (POG, 1957).

57-0017 CHS

See 42-0003. The data are stored at IOS as hourly heights and a 74-day harmonic analysis.

64-0018 VELELLA, POG

The water level data were collected by Mr. Herlinveaux but were never formally processed. The data are on file with the Tides and Currents section of IOS.

64-0020 CHS

Contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364) for further details.

64-0022 CHS

Station 9850 at Queen Charlotte City is a permanent water-level gauging station, established in June 1964. For further details, contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364).

64-0023 CHS

Start/stop dates are not exact. For details regarding instrumentation, etc. contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364).

65-0011 ACONA?, ?

See comments under 64-0010.

65-0018 CHS

An Ottboro pressure gauge, recording on strip chart, produced the 9443 record. An unidentified pressure gauge was used at station 9448. No details were found regarding the 9418 record. Contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364) for further information.

65-0019 CHS

An Ottboro pressure gauge, recording on strip chart, was used to produce this record at Refuge Bay.

66-0021 CHS

Ottboro pressure gauges, recording on strip chart, were used to produce the station 9310 record and the Aug. 13-Sept. 14 portion of the 9315 record. It is unclear what instrumentation was used for the remaining portion of 9315. Contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364) for further information.

66-0022 Pacific Biological Station (Nanaimo)/Dodimead (1968)

BT data were collected using the G.B. REED and a chartered fishing vessel, the CANADIAN NO. 1. Some surface salinities were also measured; the method and locations are not reported in Dodimead (1968) but presumably are on file at POG, Nanaimo.

Waldichuk et al. (1968) report results for data sets 61-0022, 62-0020, 64-0012, 67-0008 and 67-0009. No current measurements were made for 67-0009. The 67-0008 current data were obtained by CHS and were not reported in Waldichuk et al.

In 1967 (67-0008, 67-0009) a Beckman RS5-3 in-situ salinometer was also used. Differences of at least 1.0°/oo, between the RS5 and the bottle salinities, suggest an accuracy of about 1.0°/oo. Manufacturer's precision estimates were $\pm 0.3^{\circ}/\text{oo}$ and $\pm 0.5^{\circ}\text{C}$.

Surface currents were measured using a C.B.I. (Chesapeake Bay Institute) drag or a current pole, and an Ekman meter was used for subsurface measurements.

61-0023 CHS

Station 8976, Bella Bella, is a permanent station, established July 1961. For details contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364). For the other three records, the original data are on file at IOS. The data for station 9063 exist as hourly heights and a harmonic analysis. The records for the other two stations were never processed.

62-0020 EHKOLI, POG

See 61-0022.

62-0027 CHS

For further information, contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364).

63-0011 WHITETHROAT, UBC

The method of salinity determination is unknown.

63-0017 CHS

Further enquiries should be directed toward Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364).

64-0010

The NODC # 31AC1766 indicates a vessel ID of AC which is the ACONA. However, there is some question as to whether it was the ACONA, or the AMLAG; there is no established two-letter code for the AMLAG. No documentation describing methods, accuracy, etc. has been found.

64-0012 EHKOLI, POG

See 61-0022.

68-0026 SEDCO 135F, DREP

A Pace Engineering Co. Model CP51 pressure transducer, having a range of 60 psi, was suspended from the semi-submersible drilling rig at a depth of about 9 m. An accelerometer was used to measure pressure fluctuations due to vertical motion of the drilling rig, which were subsequently subtracted out of the record. The measured subsurface attenuated pressure (P) was then converted to pressure variation at surface (P_0) using $P = P_0 \exp(-4\pi^2 h/gT)$.

68-0027 CHS

No details regarding instrumentation, etc. were found. Further enquiries should be directed to Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364).

69-0030 LAYMORE, POG

See 67-0022.

69-0031 ENDEAVOUR, POG

See 67-0022.

69-0036 Dept. of Fisheries and Oceans/Kussat (1969)

Surface drogues were tracked and other unknown oceanographic data were collected during March, to investigate the effect of an outfall from a proposed pulp mill at Bella Coola. The reference by Kussat (1969) has not yet been obtained.

70-0020B VECTOR, UBC

Station 27, plotting on land west of S. Bentinck Arm, has the location recorded in IOUBC (1971).

70-0032 CHS

The start/stop dates for the 9391 record were unavailable. Contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364) for further details.

70-0037 Canadian Cellulose Ltd.

Current measurements were obtained by Ker, Priestman, Keenan & Assoc., 2659 Douglas Street, Victoria (604-388-6676). Contact Mr. John Brodie for further details.

71-0028 Canadian Cellulose Ltd.

Oceanographic observations have been made near the Canadian Cellulose pulp mill at Porpoise Harbour. No details are available regarding the 1971 (71-0028), 1972 (72-0037), or 1973 (73-0032) data. Some (possibly all) the

67-0008 PARRY, POG

See 61-0022.

67-0009 A.P. KNIGHT, POG

See 61-0022.

67-0014 Eurocan Pulp & Paper

The data are on file at the West Vancouver Laboratory of the Department of Fisheries and Oceans. For details, contact the Laboratory.

67-0022 ENDEAVOUR, POG

A Bissett-Berman CTD was used, except at stations 52 (Q.C. Sound), 147 and 151 (Offshore), where bottle casts were used. The data are on file at MEDS. Contact Mr. A. Dodimead, PBS, Nanaimo for further details (604-756-7027).

67-0023 VELELLA, INVESTIGATOR, A.P. KNIGHT, POG

Neyrpic current meters, recording on either waxed paper strips or punched tape, were suspended below a surface buoy which was anchored so as to keep the instruments directed along-channel. Record lengths varied for 1 to 22 days; short records were due to dead batteries, sticking directional units, and faulty connectors. This portion of the program was conducted using the Fisheries Research Board vessels INVESTIGATOR and A.P. KNIGHT.

T/S and surface drift measurements were also made using the barge VELELLA as a base.

67-0024 CHS

A Foxboro, Ottboro and an unspecified pressure gauge were used at stations 9060, 9391 and 9325, respectively. No further details were available and the enquiring reader should contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364).

67-0026 T.G. THOMPSON, ?

The data are on file at NODC (#31TT51191). No further details were available.

68-0012 CEDARWOOD, ?

No details were available. The data are on file at NODC (#31CD51497). The NODC file number indicates the vessel was the CEDARWOOD.

68-0022 ENDEAVOUR, POG

Contact Mr. A. Dodimead (604-756-7027) for more details.

73-0029: Apr. 2, Swanson Bay
Surface temperature only; bottom O₂

74-0041: Aug. 1, Cousins Inlet
Bottom temperature, salinity, O₂

75-0063: Nov. 19, Swanson Bay, Cousins Inlet
Bottom salinity, temperature, O₂

Further enquiries regarding the Dec. 1972 through Nov. 1975 data should be directed towards Dr. C.D. Levings of Fisheries and Oceans, West Vancouver (604-926-6747).

72-0037 Canadian Cellulose

See 71-0028.

72-0043

The collecting agency, methods, etc. for these wave data are unknown. Contact MEDS for further information. The instrument was probably a Waverider buoy.

73-0024 LAYMORE, Pacific Environment Institute/Harbo et al. (1974)

See 72-0026.

73-0029 LAYMORE, National Museum (Ottawa)

See 72-0036.

73-0032 Canadian Cellulose Ltd.

See 71-0028.

73-0040 CHS

A portion of the record, beginning July 27, was obtained using a Hagenuk pressure gauge with strip chart.

73-0041 CHS

An Ottboro pressure gauge, recording on strip chart, was used.

73-0042 CHS

A Foxboro pressure gauge, recording on strip chart, was used.

73-0047 Slaney and Co. Ltd. (1973)

Oceanographic data were obtained during March as part of an environmental impact assessment. Bathymetric soundings were made and a Hydrolab CT probe was used. The report (Slaney and Co. Ltd., 1973) could not be obtained, however Mr. J. McDonald of ESL, who was involved in the project, may be contacted for further information (604-656-1922).

data are on file at the B.C. Waste Management Branch, 810 Blanshard Street, Victoria; contact Mr. Fred Hodgson or Mr. Dave Morrison (604-387-4321). Canadian Cellulose Ltd. is presently called Weststar Timber (P.O. Box 1000, Prince Rupert; contact Mr. Doug Ho, their environmental engineer, 604-628-3671). Mr. W. Dwernychuk of Beak Consultants Ltd., Vancouver, was apparently in charge of the data collection.

71-0038 CHS

See 42-0003.

71-0046 EPS

T/S and O₂ were obtained during July. For further details, contact Mr. D. Goyette at EPS (604-666-6711).

72-0026 LAYMORE, Pacific Environmental Institute/Harbo et al. (1974)

Water and sediment samples were collected during four cruises; June, July and August 1972 (72-0026) and June 1973 (73-0024). Samples were collected in Kitimat Harbour and in Kitimat Arm/Douglas Channel. Water samples were collected using Van Dorn bottles; salinities were determined using an Auto-Lab 601 inductive salinometer. No accuracies were stated (Harbo et al., 1974). Apparently no temperatures were measured. Harbo et al. (1974) do not provide details of station dates and locations. Nominal locations and dates have been assigned as follows:

72-0026: 54°N128°40'W; June, July and August
 73-0024: 54°N128°40'W; June 1973

Locations where interstitial sediment waters were obtained in June 1973 (73-0024) are provided by Harbo et al. (Table 2); however, it is unclear whether water column samples were also collected at these sites.

72-0036 LAYMORE, National Museum of Natural Sciences and Dept. of Fisheries and Oceans

From 1972 to 1975 two pulp mill sites (Swanson Bay and Cousins Inlet) were studied. Water samples were obtained 1 m off bottom using either a 1-litre Van Dorn sampler or Nansen bottles. Salinities were determined using a Guildline Autosal Model 8400 salinometer. Temperatures were measured using a standard mercury thermometer for surface (bucket) samples, and using a reversing thermometer for bottom temperatures. Station locations were determined by radar bearings. The location of station 0-3 was not obvious in the report.

The data collected are summarized below:

72-0036A: July 1, Cousins Inlet
 Full T/S data collected by Meikle and Waldichuk (not processed yet).
 Biological and O₂ by Levings (72-0036A).

72-0036B: Dec. 3-4, Cousins Inlet
 Bottom salinities, O₂.

77-0080 Canadian Cellulose Co. Ltd.

H. A. Simons (International) made a study of the outfall design for Porpoise Harbour. A report was presented to Canadian Cellulose in 1979. Packman (1979) states that the program involved current studies. No further details are available. Further enquiries should be directed to Mr. Doug Ho of Weststar Timber (formerly Canadian Cellulose), 604-628-3671.

78-0028 IMPERIAL TOFINO/Dilke et al. (1979)

This was a "Ship-of-Opportunity" program whereby the commercial vessel IMPERIAL TOFINO was used to collect oceanographic data. Water samples were collected from the ship's intake, located amidship and approximately 3 m below surface. Conductivity was determined ashore using a Guildline 8400 salinometer. Temperature data were obtained by installing a thermometer in the seawater intake, and by an XBT on cruise 8 (78-0028G).

78-0029 SEALION, Seakem Oceanography Ltd. for IOS

Three cruises were conducted in June (78-0029A) and October (78-0029B), 1978 and February (78-0029C), 1979.

In June 1978 (78-0029A) an Applied Microsystems CTD 12 was used. Although manufacturer's specifications were $\pm 0.03\text{‰}$ and $\pm 0.02^\circ\text{C}$ accuracy, the differences between CTD values and the bottle "calibration" values were generally ± 0.2 to 0.5‰ , and 0.0 to $\pm 0.5^\circ\text{C}$.

During Oct. 1978 (78-0029B) and Feb. 1979 (78-0029C), bottle casts were made. Reversing thermometers measured temperature; salinities were measured on a Hytech 621 salinometer.

78-0037 EPS/Packman (1979a)

See 77-0058.

78-0057 CHS

The 9930 record was obtained using an Ottboro pressure gauge, recording on strip chart. The instrumentation used at station 9920 is unknown. Contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364) for further details.

79-0036 IMPERIAL TOFINO/Perry et al. (1981)

See 78-0028 for methods. XBT's were used on some of the cruises to obtain temperature profiles. Salinities are available at 3 m depth only. No information is available for 79-0036G. Contact Dr. T. Parsons at the University of British Columbia, Vancouver.

79-0051 EPS/Pomeroy (1983)

A Plessey 9400 CTD was first used by EPS in 1979. The quality of this data set (79-0051) and of the data in 1980 (80-0052) may not have been up to modern standards. Mr. D. Goyette at EPS (604-666-6711) should be contacted for further details.

73-0048 Dept. of Fisheries and Oceans

An oceanographic program was conducted to study potential environmental impact near Bella Coola. Surface currents may have been measured. Contact Mr. W. Schouwenburg of Dept. of Fisheries and Oceans, Salmonoid Enhancement Program, for more details.

73-0049 Dept. of Fisheries and Oceans

Two hydrographic casts were made on Oct. 26, 1973 during a biological study. These data are on file at the West Vancouver Laboratory, Dept. of Fisheries and Oceans.

73-0040 EPS/Packman (1977)

Two oceanographic surveys were conducted in 1974: July 8-12 (74-0040A) and Aug. 5-9 (74-0040B). Stations were located by horizontal sextant angles. Water samples were obtained using Nansen bottles. Temperature was measured, using a standard thermometer, as soon as the samples arrived at surface. The accuracy is less than that obtainable using reversing thermometers, although not specified by Packman (1977). Salinities were measured using a refractometer, calibrated by "hydrometric and electroconductivity techniques" (again no details provided).

74-0041 LAYMORE, Dept. Fisheries and Oceans

See 72-0036.

74-0042 Dobrocky Seatech for AMAX

Dobrocky Seatech, under the direction of Dr. J.L. Littlepage, began a three-year study of Alice Arm for the Climax Molybdenum Corporation.

In 1974 (74-0042) hydrocasts were made and temperature, salinity, O_2 measured. Krauel (1981) presents the data for stations F15 and Z7.

In 1975 (75-0064) further casts were made. Krauel (1981) presents data from station F15. No further details are available concerning the 1974 and 1975 data. For further details either refer to the reports by Littlepage (1978) or contact Dobrocky Seatech, Sidney, B.C.

74-0043 Dobrocky Seatech for Northcoast Env. Anal. Team (NEAT)

Dobrocky Seatech's vessel SEATECH II was used. Positions were determined by radar to $\pm .03$ km. A Hydrolab "Surveyor" model 6D was used for T/S determination. Currents were measured, while anchored at station "S-3", using a Helle Model 4100 current meter.

Exact times and locations are not specified in the NEAT (1975) report. The Prince Rupert stations were the same as for 62-0020 and these locations have been used. A nominal date of Oct. 22 has been used here; the seven stations were actually occupied over the Oct. 22-23 period. The locations of the Port Simpson stations (S1, S2, S3) have been estimated from the figure in NEAT (1975). These stations were occupied Nov. 6.

74-0044 Canadian Cellulose Co. Ltd.

Beginning in February 1974, Canadian Cellulose Co. Ltd. (now Weststar Timber) conducted monthly hydrographic and biological surveys near the mill at Porpoise Harbour. Thirteen hydrographic stations were established and sampled once per month, weather and labour strikes permitting (Ho, 1978); 1.7 litre Niskin bottles are used. Temperature is measured using reversing thermometers ($\pm .02^\circ\text{C}$); salinity by titration with silver nitrate. The program is continuing, with approximately 80% success rate for data acquisition (Ho, pers. comm.) Presently Beak Consultants of Vancouver is doing the work and reports are filed with the provincial government's Waste Management Branch, 810 Blanshard Street, Victoria. The listing shows the thirteen station positions for February 1974. A nominal monthly position of $54^\circ 14' \text{N } 130^\circ 18' \text{W}$ has been used for data obtained after this time.

74-0049 CHS

See 42-0003.

74-0050 EPS/Packman et al. (1975)

Station locations were extracted from a report in preparation by Seakem Oceanography Ltd. on the chemical oceanography data available in this area. For more information, contact Mr. D. Goyette at EPS (604-666-6711).

75-0061 EPS

For more information on this data set, contact Mr. D. Goyette at EPS (604-666-6711).

75-0063 LAYMORE, Museum Natural Science (Ottawa)

See 72-0036.

75-0064 Dobrocky/AMAX

See 74-0042.

75-0069 G.B. REED, PBS

As part of a groundfish study, bottom water temperatures were measured. BT's were used. Apparently no accompanying salinity data were obtained. The data are on file at MEDS under the BT category. The staff at PBS, Nanaimo should be contacted for further details.

75-0070 CHS

The start/stop dates may not be exact. No details on instrument used, etc. were found. Contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364) for further details.

76-0056

See 72-0043.

77-0043 IOS/Macdonald et al. (1978)

Station 6 shown in Whale Channel in the report is recorded at 53°00.65'N, 129°00.72'W. However, these coordinates are closer to Surf Inlet, which is to the southeast. Therefore, to better represent the actual location, assuming the station-location figure is correct, the coordinates used were 53°05'N, 129°09'W.

77-0058 EPS/Packman (1979a)

Temperature, salinity and dissolved oxygen were measured in June 1977 (exact dates not specified) as part of the EPS program to assess the environmental impact of the Canadian Cellulose Northern Operations pulp mill at Porpoise Harbour. Further measurements were made on July 13, 1978 (data set 78-0037). Packman (1979a) does not discuss methods, or accuracies, however apparently reversing bottles and an autosal salinometer were used (Mr. D. Goyette, EPS, pers. comm.). Further enquiries should be directed to EPS, Vancouver (604-666-6711).

77-0059 EPS

Bottle casts were made in the Hastings/Alice Arm area. For further details on the methods and accuracies of T/S determination, contact Mr. D. Goyette at EPS (604-666-6711).

77-0064

See 72-0043. The start date is uncertain, either March 10 or Oct. 6, 1977.

77-0065

See 72-0043. The start date is either July 10 or Oct. 8, 1977.

77-0067 CHS

The stop date may not be exact. A HWK float gauge with strip chart was used to record water level.

77-0068 CHS

An Ottbورو pressure gauge with strip chart was used.

77-0079 Assoc. Eng. Services Ltd. for City of Prince Rupert

Vertical T/S profiles were obtained using an Aanderaa RCM-4 current meter, allowing 4 minutes for equilibration at each depth.

An Aanderaa RCM-4 was also moored on the harbour bottom for 11 days.

Radar-tracked surface drogues, drogued between 0 and 2 m depth, were used to map near-surface currents.

77-0080 Canadian Cellulose Co. Ltd.

H. A. Simons (International) made a study of the outfall design for Porpoise Harbour. A report was presented to Canadian Cellulose in 1979. Packman (1979) states that the program involved current studies. No further details are available. Further enquiries should be directed to Mr. Doug Ho of Weststar Timber (formerly Canadian Cellulose), 604-628-3671.

78-0028 IMPERIAL TOFINO/Dilke et al. (1979)

This was a "Ship-of-Opportunity" program whereby the commercial vessel IMPERIAL TOFINO was used to collect oceanographic data. Water samples were collected from the ship's intake, located amidship and approximately 3 m below surface. Conductivity was determined ashore using a Guildline 8400 salinometer. Temperature data were obtained by installing a thermometer in the seawater intake, and by an XBT on cruise 8 (78-0028G).

78-0029 SEALION, Seakem Oceanography Ltd. for IOS

Three cruises were conducted in June (78-0029A) and October (78-0029B), 1978 and February (78-0029C), 1979.

In June 1978 (78-0029A) an Applied Microsystems CTD 12 was used. Although manufacturer's specifications were $\pm 0.03\text{‰}$ and $\pm 0.02^\circ\text{C}$ accuracy, the differences between CTD values and the bottle "calibration" values were generally ± 0.2 to 0.5‰ , and 0.0 to $\pm 0.5^\circ\text{C}$.

During Oct. 1978 (78-0029B) and Feb. 1979 (78-0029C), bottle casts were made. Reversing thermometers measured temperature; salinities were measured on a Hytech 621 salinometer.

78-0037 EPS/Packman (1979a)

See 77-0058.

78-0057 CHS

The 9930 record was obtained using an Ottboro pressure gauge, recording on strip chart. The instrumentation used at station 9920 is unknown. Contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364) for further details.

79-0036 IMPERIAL TOFINO/Perry et al. (1981)

See 78-0028 for methods. XBT's were used on some of the cruises to obtain temperature profiles. Salinities are available at 3 m depth only. No information is available for 79-0036G. Contact Dr. T. Parsons at the University of British Columbia, Vancouver.

79-0051 EPS/Pomeroy (1983)

A Plessey 9400 CTD was first used by EPS in 1979. The quality of this data set (79-0051) and of the data in 1980 (80-0052) may not have been up to modern standards. Mr. D. Goyette at EPS (604-666-6711) should be contacted for further details.

79-0060 CHS

Ottboro pressure gauges, recording on strip chart, were used at the five stations: 9056, 9063, 9067, 9823, 9920. Contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364) for further details.

79-0065 OCEAN KING, CHS

Contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364) for further details.

79-0066 PANDORA, IOS (Tides and Currents)

During August a reconnaissance survey was made of saline waters near the mouth of the Skeena River (79-0066). Temperature and salinity were measured using an InterOcean CTD, and current profiles were obtained with a Marsh-McBirney meter.

In the first week of April 1984, a follow-up survey was made using a helicopter (84-0003). A Hydrolab CTD was used, as well as a Marsh-McBirney current profiler.

Another survey is planned for near-Christmas 1984.

The data are being processed and a report is forthcoming. Further enquiries should be directed to Mr. Al Ages at IOS (604-656-8341).

80-0042A Beak/Stockner and Levings (1982), Beak Consultants Ltd. (1981)

The report of the work done by Beak (1981) is not readily available. Our information was extracted from an edited summary (Stockner and Levings, 1982). Stations were concentrated near the mouth of the Yakoun River. A central location ($53^{\circ}40.2'N$, $132^{\circ}12.6'W$) was used for the purposes of this report, although Figure 5 of Stockner and Levings (1982) indicates 10 pelagic and 8 river stations. T/S data, obtained using an Applied Microsystems CTD, for April 22 are plotted in Stockner and Levings (1982). Current data were also obtained using an Endeco 110 current meter and drogues.

80-0043A VECTOR, (Cruise OC-80-IS-003), EPS

Both IOS (Ocean Chemistry) and EPS personnel were on this cruise. T/S data were collected by EPS; see comments under 77-0059.

80-0043B VECTOR, EPS

See comments above.

80-0051 G.B. REID, PBS

The model of Bissett Berman STD, and the accuracy achieved were not specified in Mason et al. (1981).

80-0052 EPS/Pomeroy (1983)

See 79-0051.

80-0055B Fisheries Research/Dodimead and Ballantyne (1984)

The 1980 fisheries research surveys are a continuation of those of 1977-1979 (77-0066, 78-0047 to 78-0056, 79-0052, 79-0053, 79-0056). Oceanographic observations included those by expendable bathythermograph (XBT).

81-0018 PARIZEAU, IOS (Coastal Zone Oceanography)

The Coastal Zone Oceanography group, IOS, made CTD profiles using a Guildline 8700 unit. As well, Ocean Chemistry personnel used bottle casts for nutrient determination.

81-0021E Seakem, MEDS

The instrument was probably a Waverider buoy. Contact MEDS or Seakem Oceanography Ltd., Sidney, B.C. for further information.

81-0023 VECTOR, IOS (Ocean Chemistry)

The Ocean Ecology CTD-Rosette sampler was used to measure turbidity, salinity, temperature, chl. a, and light scattering. Fifty-three stations were completed. A string containing four sediment traps and two current meters was moored for three days; however, only one trap and one current meter were recovered.

81-0024A VECTOR, IOS (Coastal Zone Oceanography)

The data are presented in Ford and Nicoll (1983). The PRODAS-analog CTD system was used. EPS personnel, also on this cruise, made measurements of biota and minerals.

81-0024B VECTOR, IOS (Coastal Zone Oceanography)

CTD profiles were made by the Coastal Zone Oceanography group of IOS. EPS (Vancouver) personnel were also on board doing trace metal and biota studies (Goyette and Christie, 1982).

81-0053 Fisheries Research/Dodimead and Ballantyne (1984)

These 1981 surveys were similar to those of 1980. See 80-0055.

81-0054 IOS/Nicoll and Stucchi (1982)

The Institute of Ocean Sciences (both Chemical and Coastal Zone) and EPS were involved in data collection at Alice Arm during this period. CTD casts were made daily, as well as transmissivity readings. More than 1100 CTD casts were made (Nicoll and Stucchi, 1982). Water samples were collected to calibrate the CTD and transmissiometer (contact Dr. Rob Macdonald at IOS, 604-656-8409, or EPS, 604-666-6711 for more details). The water-sample salinities, as determined by bench salinometer, and the corresponding in-situ CTD salinities agreed to $\pm 0.009^{\circ}/\text{oo}$ (one standard deviation), based on 22 samples.

81-0055 ENDEAVOUR, IOS (Tides and Currents)

An Ottboro water level gauge was installed at Queen Charlotte (part of 64-0022 record). Eight moorings with bottom pressure gauges were then deployed in Dixon Entrance and Hecate Strait. The gauges were recovered during September (81-0056 cruise). A drift occurred in the station 2 record. At station 5, a hybrid instrument was used; the record was never fully processed. Contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364) for further details.

81-0056A ENDEAVOUR, IOS (Tides and Currents, UBC)

Three tide gauges were deployed in the Strait of Juan de Fuca for Offshore Oceanography, IOS. Water-level gauges were also installed at Winter Harbour and Heater Harbour for Coastal Zone Oceanography, IOS. The eight deep-water gauges deployed in February (81-0055) were also recovered. UBC personnel made CTD measurements in the Strait of Georgia (81-0056B). For further information regarding the water level data, contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364).

81-0057 Dobrocky Seatech Ltd. for AMAX of Canada Ltd.

From April 1981 to April 1983, Dobrocky Seatech Ltd. collected CTD/transmissivity, current-meter, and water-level data in Alice Arm for AMAX. Concurrent chemical and biological measurements were also made. Monthly cruises were conducted; the current meters and water-level gauges were serviced every two or three months.

Some of the current-meter records show poor response, particularly near the ends of the records, due to sediment build-up around the rotor bearings.

At some time in the program, apparently late 1982 or early 1983, a crack was discovered in the CTD conductivity cell. Dobrocky Seatech personnel believe that the 1981 and 1983 CTD data are of acceptable accuracy, based on comparison of the CTD salinities with those obtained from reversing bottles. Most of the 1982 data are suspect, with CTD and bottle salinities differing by about 0.2 or 0.3‰ on most cruises. In the annual report (AMAX, 1982), Dobrocky Seatech suggests that the April 16, May 13, October 14 and December 9 data are satisfactory, however, in April and May, salinity differences were 0.12 and 1.0 ‰ for two comparisons and it appears that the cell may also have adversely affected these data. The cell may have been replaced before the October and December cruises; the salinity comparisons are better. Dr. S. Narayanan of Dobrocky Seatech Ltd. should be contacted (604-656-0111) for further information on these data.

81-0058 through to 81-0065

See 81-0057.

81-0066 EPS

The data were obtained using a Plessey 9400 CTD system. Beginning in 1981, this method replaced the use of bottle casts. From 1981 on, the CTD was calibrated by Mr. J. Love of IOS.

81-0067 EPS

See 81-0066.

81-0068 EPS

See 81-0066.

81-0069 PARIZEAU, IOS

This was a Coastal Zone cruise, in cooperation with the Tides and Currents section. Current meter moorings were deployed along the shelf break, off Vancouver Island and Queen Charlotte Sound, as part of the SUPERCODE Project (Freeland, et al., 1984). Two of the moorings, Q05 (or QSC) and Q06, are at the offshore edge of Queen Charlotte Sound and have been included in this report. These moorings were serviced and re-deployed in Jan. 1982 (82-0034) and April-May 1982 (82-0046 and 82-0051).

For CTD data collected offshore as part of SUPERCODE, refer to the data compilation report for that area.

82-0025 IOS/Stukas (1983)

This study centred on the distribution of heavy metals in the mine tailings in Alice Arm. An Applied Microsystems CTD was used to obtain vertical profiles of temperature and salinity. The results from the October cruise were satisfactory, those from June were not quite as reliable (Stukas, pers. comm.). Further enquiries should be directed toward Dr. V. Stukas of Seakem Oceanography Ltd. (604-656-0881).

82-0034 PARIZEAU, IOS (Coastal Zone Oceanography)

The Coastal Zone Oceanography group, IOS, made CTD profiles using a Guildline 8700 unit. As well, Ocean Chemistry personnel made bottle casts for nutrient determination.

The six current meter moorings were recovered, serviced and redeployed. A transmissometer survey of the tailings plume was also conducted. The SUPERCODE offshore moorings (81-0069) were also serviced. Further enquiries should be directed toward Mr. Dario Stucchi of IOS (604-656-8288).

82-0036 VECTOR, IOS (Coastal Zone Group)

The Coastal Zone Oceanography group, IOS, made CTD profiles using a Guildline 8700 unit. As well, Ocean Chemistry personnel made bottle casts for nutrient determination. Sediment traps were also deployed and recovered.

82-0037 PARIZEAU, IOS (Coastal Zone Oceanography)

The Coastal Zone Oceanography group at IOS took CTD profiles. The station headers were received from Mr. D. Stucchi at IOS.

Dr. S. Pond of UBC also made current measurements using a "Cyclesonde". Four instruments were moored for the period Aug. 29-Sept. 7. See 82-0058.

82-0038 VECTOR, IOS (Coastal Zone Oceanography)

Both an analog and a digital CTD system were employed. Mr. D. Stucchi of IOS (604-656-8288) should be contacted regarding data quality.

82-0039 VECTOR, IOS

During March T/S data were obtained by the Ocean Chemistry group using reversing bottles (82-0039A). Salinities were determined at IOS using a Guildline (SN40-364) salinometer.

Approximately nine days later the Coastal Zone Oceanography group obtained CTD profiles (82-0039B).

82-0040 VECTOR, IOS (Ocean Chemistry)

Bottle casts were made by the Ocean Chemistry group (82-0040A). Temperatures were determined by means of reversing thermometers, salinities by means of a Guildline Autosal salinometer (SN 40-364) at IOS. Profiles were also made by EPS using a Plessey 1400 CTD coupled with a Seatech transmissometer. The CTD profiles were generally taken within one hour of the bottle casts listed in Section 11.

82-0044 Seakem Oceanography

Seakem Oceanography Ltd. made wave measurements at six locations. The actual number of days of data are reduced from that indicated by the Section 11 listings, due to equipment failure and buoys going adrift. For the exact periods of wave recording, contact Seakem Oceanography (Mr. Bodo de Lange Boom, 604-656-0881) or MEDS. The type of wave meter at each station were as follows:

Station:	211	212	213	214	215	216
Meter:	Waverider/FI	Waverider/FI	Endeco	WAVEC	WRIPS	WRIPS
			Wave Track 956		67379	67400

In the spring of 1984, Dobrocky Seatech took over the program (contact Dr. P. Greisman, 604-656-0111).

82-0045 EPS/Pomeroy (1983)

See 81-0066.

82-0046 PARIZEAU, IOS

Contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364) for further details regarding the water level data.

The SUPERCODE current meter moorings (81-0069 and 82-0034) were serviced and CTD data collected. For details on the offshore moorings and CTD data, refer to the data compilation report for that area.

82-0051 PARIZEAU, IOS

Contact Mr. M. Woodward, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8342) for further details regarding the water level data.

CTD and current-meter data were also collected. Agreement between the bottle and CTD salinities was good. Contact Dr. W. Crawford of Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8369) for further details.

82-0052 through to 82-0057

See 81-0057.

82-0058 UBC

During August 1982, four "Cyclesondes" were moored - two each in Alice Arm and Observatory Inlet. A "Cyclesonde" is a moored instrument which automatically cycles up and down its vertical tether. It is generally fitted to measure current (speed and direction), as well as pressure, temperature and conductivity. One instrument in Alice Arm produced no useful data. The data are still being analyzed; for further information, contact Dr. S. Pond at UBC (604-228-2205).

Similar data have also been collected in Knight Inlet, Indian Arm, and the Strait of Georgia.

82-0059 through to 82-0063

See 81-0057.

82-0064-67 EPS

See 81-0066.

82-0068 ENDEAVOUR, IOS (Tides and Currents)

The current meters and water-level gauges deployed in May (82-0051) were recovered and another set of CTD profiles were obtained. Contact Dr. W. Crawford, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8369) for further details.

83-0002A ENDEAVOUR, IOS (Ocean Ecology)

This study concerned the interaction of physical oceanographic features and plankton productivity. Surface T/S data were obtained from bucket samples. Subsurface CTD data were checked using Niskin bottle samples from the rosette sampler. The biological results, but not the CTD data, are discussed in Forbes et al. (1983). Further enquiries regarding these data should be directed toward Dr. K. Denman, Ocean Ecology, IOS (phone 604-656-8346).

83-0003 VECTOR, IOS Cruise OC-83-IS-003

This cruise was the third for the collection of water samples in Rupert Inlet, Holberg Inlet and Quatsino Sound. The data were to be used for an arsenic budget determination. The survey was extended to Alice Arm where IOS (Chemistry) made bottle casts (83-0003A). A series of CTD/transmissometer profiles were obtained by EPS along Portland and Observatory Inlets and in Alice Arm (83-0003B). IOS (Ocean Chemistry, 604-656-8409) should be contacted regarding methods and accuracy.

83-0014 VECTOR, IOS (Coastal Zone Oceanography)

CTD profiles were made using both an analog and a digital CTD system. Ocean Chemistry personnel were also on the cruise, retrieving and deploying sediment traps.

83-0021 CHS

Contact Mr. Fred Stephenson, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8364) for further details.

83-0034 IOS

Contact Mr. M. Woodward, Tides and Currents, IOS, Sidney, B.C. (phone 604-656-8342) for further details.

83-0035 PARIZEAU, IOS (Tides and Currents)

Twenty moorings were deployed in Hecate Strait. Two could not be recovered. Of the remaining eighteen, two were missing current meters which presumably had been removed by barge tow-lines. Forty-two current meters were recovered, and of these, seven had various "problems". Wave data were obtained using a bottom-mounted pressure recorder. However, due to the depth of the gauge (37 m), much of the wave information was lost through attenuation.

One of the lost current meters was subsequently recovered using the PISCES during October.

83-0036 PARIZEAU, IOS (Tides and Currents)

The first half of this PARIZEAU cruise (Sept. 5-17) was under the direction of the Offshore Oceanography group, and took place offshore of the Queen Charlotte Islands, in Queen Charlotte Sound and in Dixon Entrance (83-0036A).

From Sept. 18-29, Tide and Currents directed the cruise (83-0036B). The moorings in Hecate Strait were serviced, having been deployed in May as part of 83-0035. Four of six shore tide gauges were serviced, as were two tide gauges and one wave gauge on subsurface moorings.

Fourteen moorings were redeployed using thirty-two current meters, one tide gauge, and one wave gauge.

83-0037 Dobrocky Seatech for AMAX

During this cruise the current meters, last serviced in December 1982 (82-0057), were recovered. Apparently CTD profiles were also obtained, however no details are available. Contact Dobrocky Seatech Ltd. (604-656-0111) for further information.

83-0038, 39 EPS

See 81-0066.

84-0002 PARIZEAU, IOS (Tides and Currents/Offshore Oceanography)

For further details, contact Dr. R. Thomson of IOS (phone 604-656-8255).

84-0003 Helicopter, IOS (Tides and Currents)

See comments under 79-0066.

84-0005 EPS

See 81-0066.

84-0006 Dobrocky Seatech Ltd.

Loran-tracked drifters, drogued at 10 m depth with "Holey Socks", were tracked during the June 13-25 period. Each drifter was tracked for 3-4 days, with positional updates every 30 minutes.

A CTD survey was also conducted using a Guildline 8706 "Arctic" CTD. Salinities from bottles agreed with the CTD salinities to within $\pm 0.07 \text{ }^{\circ}/\text{o}$.

An 80-foot seiner, the OCEAN ISLAND, was chartered for the work.

84-0007 PARIZEAU, IOS (Offshore)

The moorings deployed in April (84-0002) were recovered and re-deployed. Final recovery is planned for May 1985. CTD profiles were also obtained. For further information, contact Dr. R. Thomson at IOS (phone 604-656-8255).

APPENDIX 2**ADDRESSES OF INFORMATION SOURCES**

AMAX of Canada
 P.O. Box 12525
 1066 W. Hastings St., Suite 1600
 Vancouver, B.C.
 V6E 3X1
 Contact: Mr. Rick Killam
 Phone: 604-689-0541

Defence Research Establishment Pacific
 CFB Esquimalt
 Victoria, B.C.
 V0S 1B0
 Phone: 604-388-1921

Dobrocky Seatech Ltd.
 P.O. Box 6500
 Sidney, B.C.
 V8L 4M7
 Phone: 604-656-0111

ESL Environmental Sciences Ltd.
 2035 Mills Road
 Sidney, B.C.
 V8L 3S1
 Contact: Mr. John MacDonald
 Phone: 604-656-1922

Environmental Protection Service
 Kapilano 100 - Park Royal
 West Vancouver, B.C.
 V7T 1A2
 Contact: Mr. Darcy Goyette
 Phone: 604-666-6711

IEC Beak Consultants Ltd.
 120-10751 Shellbridge Way
 Richmond, B.C.
 V6X 2W8
 Phone: 604-273-1601

Institute of Ocean Sciences
 P.O. Box 6000
 9860 West Saanich
 Sidney, B.C.
 V8L 4B2
 Contact: Coastal Zone - Mr. Dario Stucchi
 Ocean Chemistry - Dr. Rob Macdonald
 Offshore - Dr. Rick Thomson
 Tides & Currents - Mr. Fred Stephenson

Phone: 604-656-8288
 Phone: 604-656-8409
 Phone: 604-656-8255
 Phone: 604-656-8364

Ker, Priestman, Keenan, and Assoc. Ltd.
2659 Douglas Street
Victoria, B.C.
V8T 4M3
Contact: Mr. John Brodie
Phone: 604-388-6676

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 Ave. N.W.
Washington, D.C. 20235
Phone: 202-634-7500

Pacific Biological Station
Nanaimo, B.C.
V9R 5K6
Contact: Mr. Al Dodimead
Phone: 604-756-7027

Seakem Oceanography Limited
2045 Mills Road
Sidney, B.C.
V8L 3S1
Contact: Mr. Dave Thomas
Phone: 604-656-0881

University of British Columbia
6270 University Boulevard
Vancouver, B.C.
V6T 1W5

Waste Management Branch
B.C. Ministry of Energy, Mines & Petroleum Resources
810 Blanchard Street
Victoria, B.C.
Phone: 604-387-4321

Weststar Timber (formerly Canadian Cellulose)
P.O. Box 1000
Prince Rupert, B.C.
Contact: Mr. Doug Ho
Phone: 604-628-3671

APPENDIX 3**ABBREVIATIONS USED IN THIS REPORT**

BT	Bathythermograph
CHS	Canadian Hydrographic Service
MOT, DOT	Ministry of Transport, Department of Transport; now Transport Canada
EPS	Environmental Protection Service
IOS	Institute of Ocean Sciences
IOUBC	Institute of Oceanography, University of British Columbia
MEDS	Marine Environmental Data Services Branch, Dept. of Fisheries and Oceans
NODC	National Oceanographic Data Center
PBS	Pacific Biological Station, Nanaimo
PEI	Pacific Environment Institute
POG	Pacific Oceanographic Group of the PBS, Nanaimo. In October 1970, POG was disbanded; the physical oceanographic group was transferred to other Canadian west coast establishments
UBC	University of British Columbia
XBT	Expendable Bathythermograph

CHEMICAL/BIOLOGICAL TERMS

C1	Chlorine
Chl. a	Chlorophyll a
C ¹⁴	Radioactive isotope of carbon, C ¹⁴
F	Fluorine
HEC	Hexane extractable compound
Hg	Mercury
KME	Kraft mill effluent
N	Nitrogen
N ₃	Azine
NH ₃	Ammonia
NO ₂	Nitrite
NO ₃	Nitrate
O ₂	Dissolved molecular oxygen
P	Phosphorous
PO ₄	Phosphate
pH	The negative logarithm of the hydrogen-ion concentration
Si	Silicon
SiO ₂	Silica
SiO ₃	Silicate
TOC	Total organic carbon