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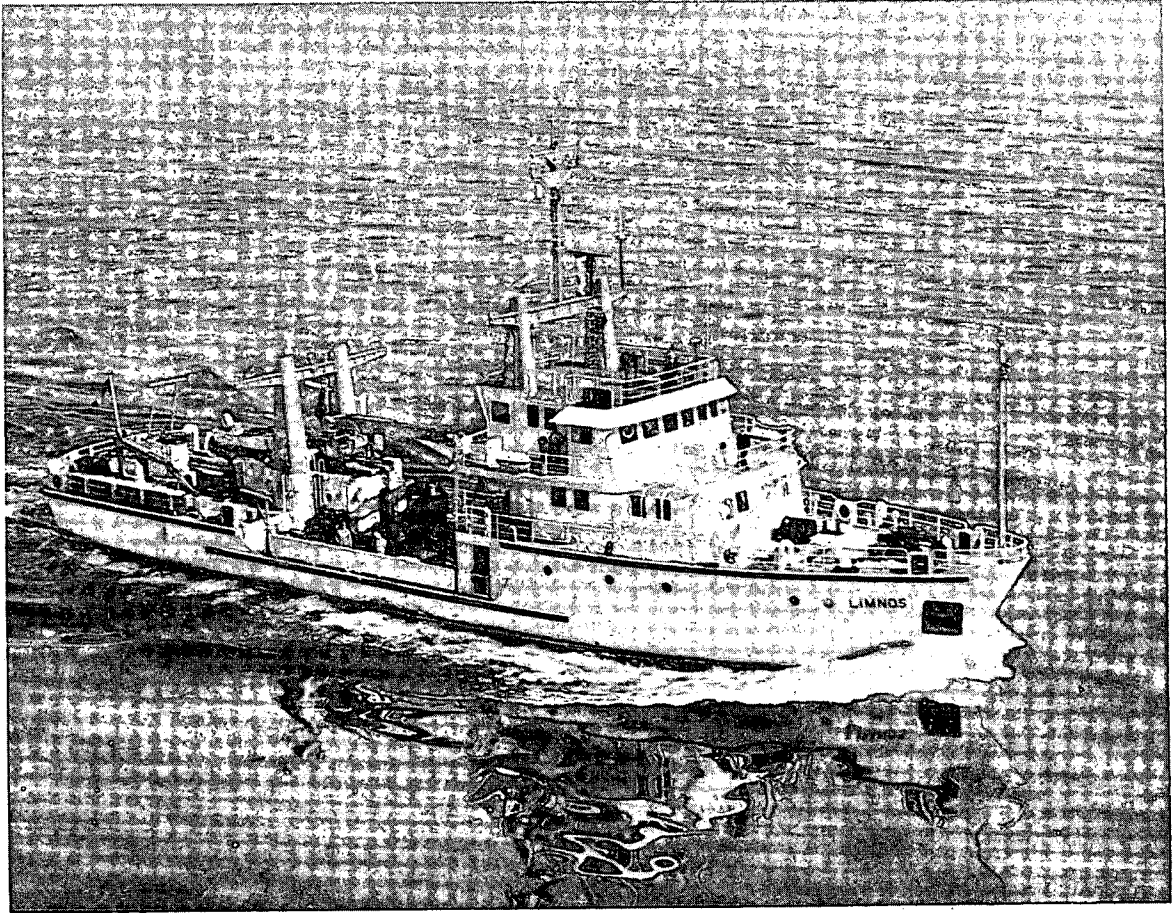
DEPARTMENT OF NATIONAL HEALTH & WELFARE

at

CANADA CENTRE FOR INLAND WATERS

BURLINGTON, ONTARIO

CANADA



*CSS LIMNOS*

**1968**

**LIMNOLOGICAL DATA REPORT NO.2**

# **LAKE ONTARIO**

**CRUISE 68 - 012, JULY 23 - 28**

**CRUISE 68 - 014, AUGUST 19 - 22**

**CRUISE 68 - 016, SEPTEMBER 8 - 13**

**PUBLISHED BY  
CANADIAN OCEANOGRAPHIC DATA CENTRE**

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Queen's Printer for Canada  
Ottawa, 1970

## FOREWORD

The year 1968 saw the firm establishment of the Canada Centre for Inland Waters as a major research Centre concerned with Canada's vital fresh water resources.

Three Federal Government agencies are involved in developing the Centre - the Department of Energy, Mines and Resources, the Fisheries Research Board and the Department of National Health and Welfare. The Department of Energy, Mines and Resources co-ordinates the program and provides support facilities to the participating agencies and to university scientists undertaking projects in collaboration with the Centre's agencies.

Between April and December, 1968, an extensive field program was conducted on the Great Lakes. Supported by two major ships, the CSS Limnos and the charter vessel M.V. Theron, the three participating departments conducted a number of interdisciplinary surveys. These surveys, along with data collected from fixed moorings of instruments in the lakes and other studies, are designed to develop a body of information which will provide vital data needed for determining optimum pollution abatement and water management programs for the Great Lakes.

## INTRODUCTION

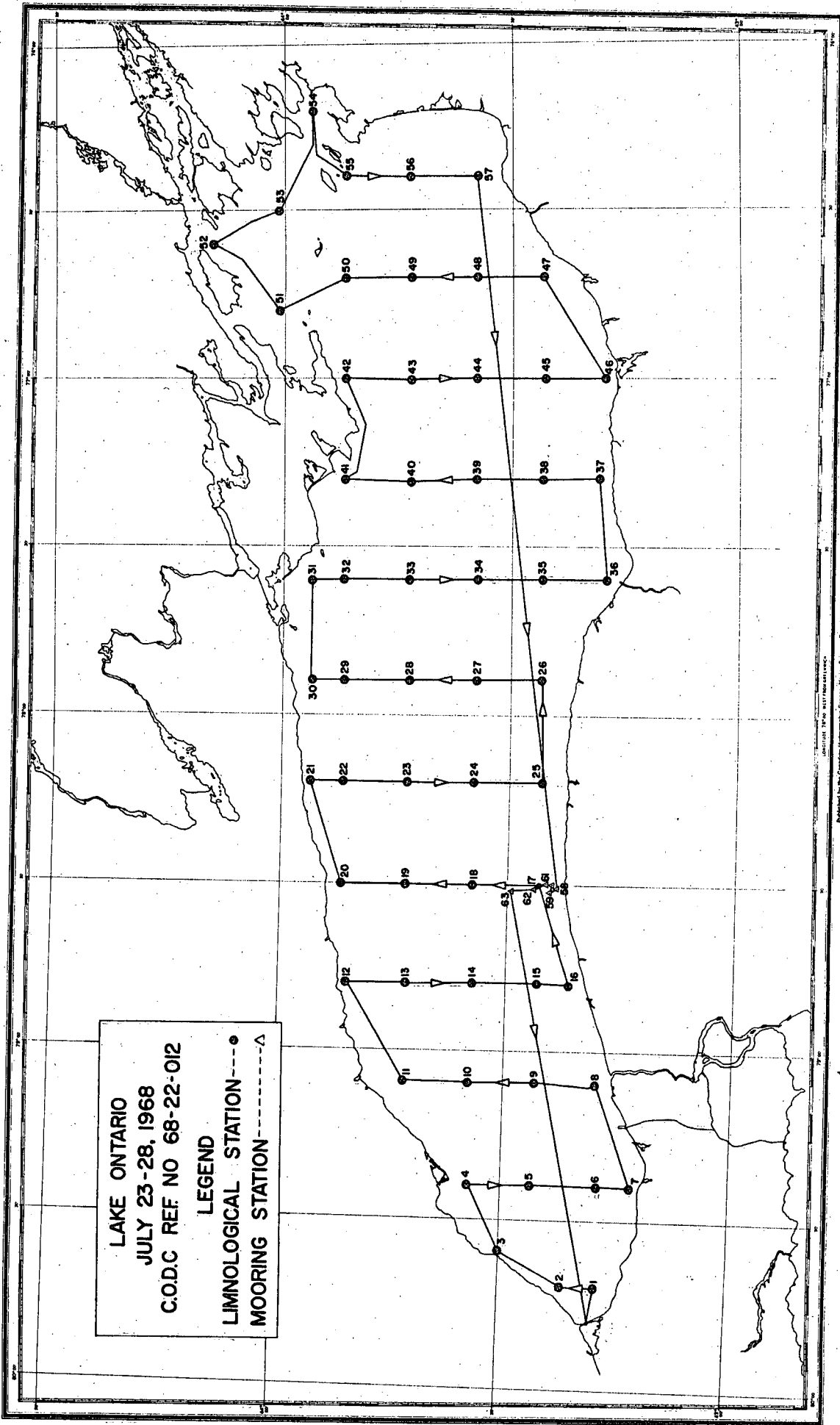
This report is one of a series listing bacteriological, biological, chemical and physical data for waters of Lake Ontario, observed by Government of Canada agencies during the period April 29 to November 22, 1968.

The 1968 surveys were carried out by 1) the Great Lakes Division, Inland Waters Branch, Department of Energy, Mines and Resources, 2) the Fisheries Research Board and 3) the Public Health Engineering Division, Department of National Health and Welfare. Staff from the three agencies carried out the work aboard the Canadian Scientific Ship "Limnos" and the chartered ship "M.V. Theron". Ship and launch operations were the responsibility of Marine Sciences Branch, Department of Energy, Mines and Resources.

Water quality data gathered during nine monitor cruises in 1968 are contained in the present series. Cruises related to seismic, geological and purely physical studies are not included in this series. Supplementary bathythermograph and weather data are available on request from Canada Centre for Inland Waters, P.O. Box 5050, Burlington, Ontario.

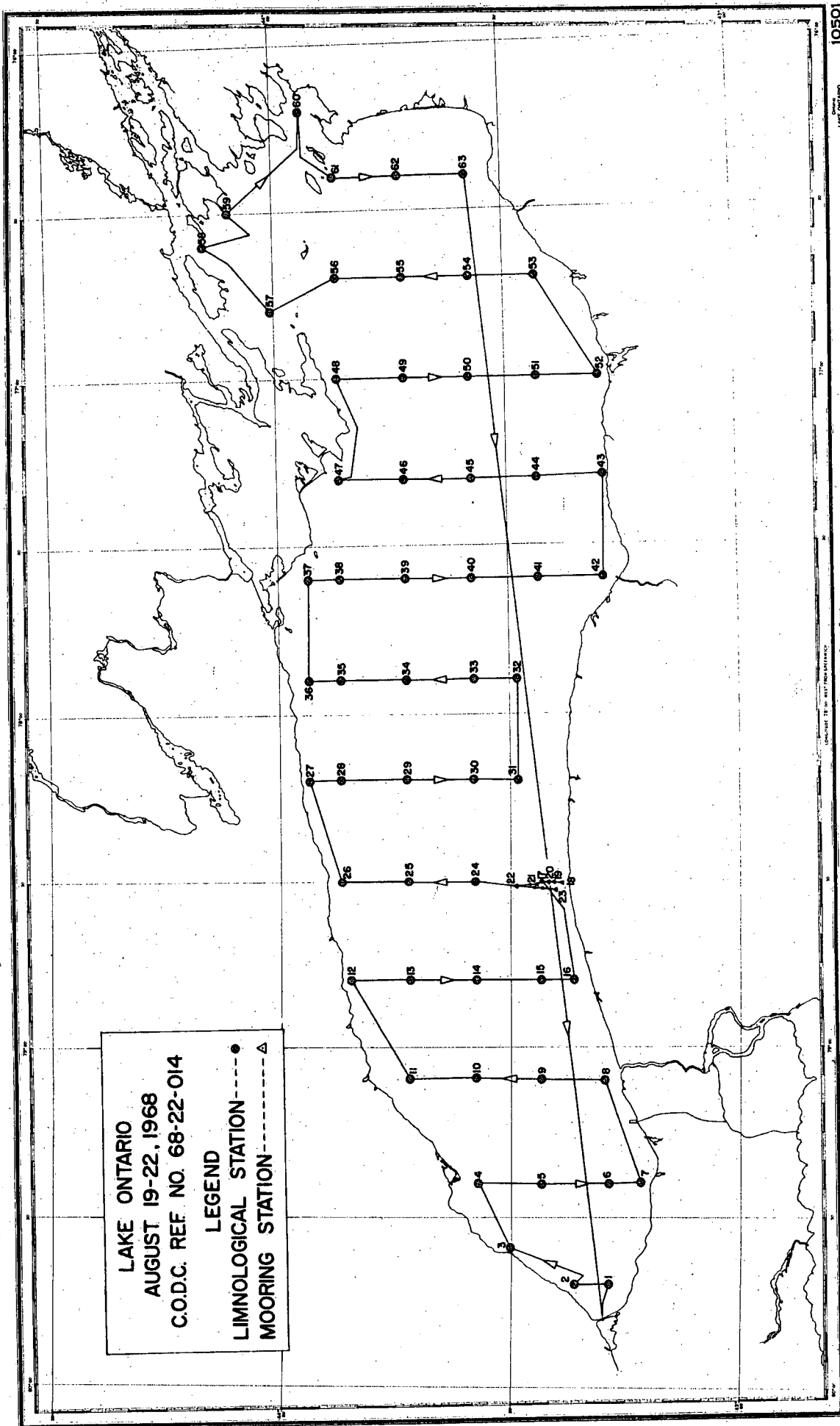
The bacteriological data have already been published in Manuscript Report No. KR68-3 of the Public Health Engineering Division, Department of National Health & Welfare. These data are again published in the present series of reports to facilitate comparison with the biological, chemical and physical data.

Accompanying diagrams show the geographical locations of the observations listed in this data record, together with the vessel's track and the locations of bathythermograph lowerings.



LAKE ONTARIO  
 JULY 23-28, 1968  
 C.O.D.C REF NO 68-22-012

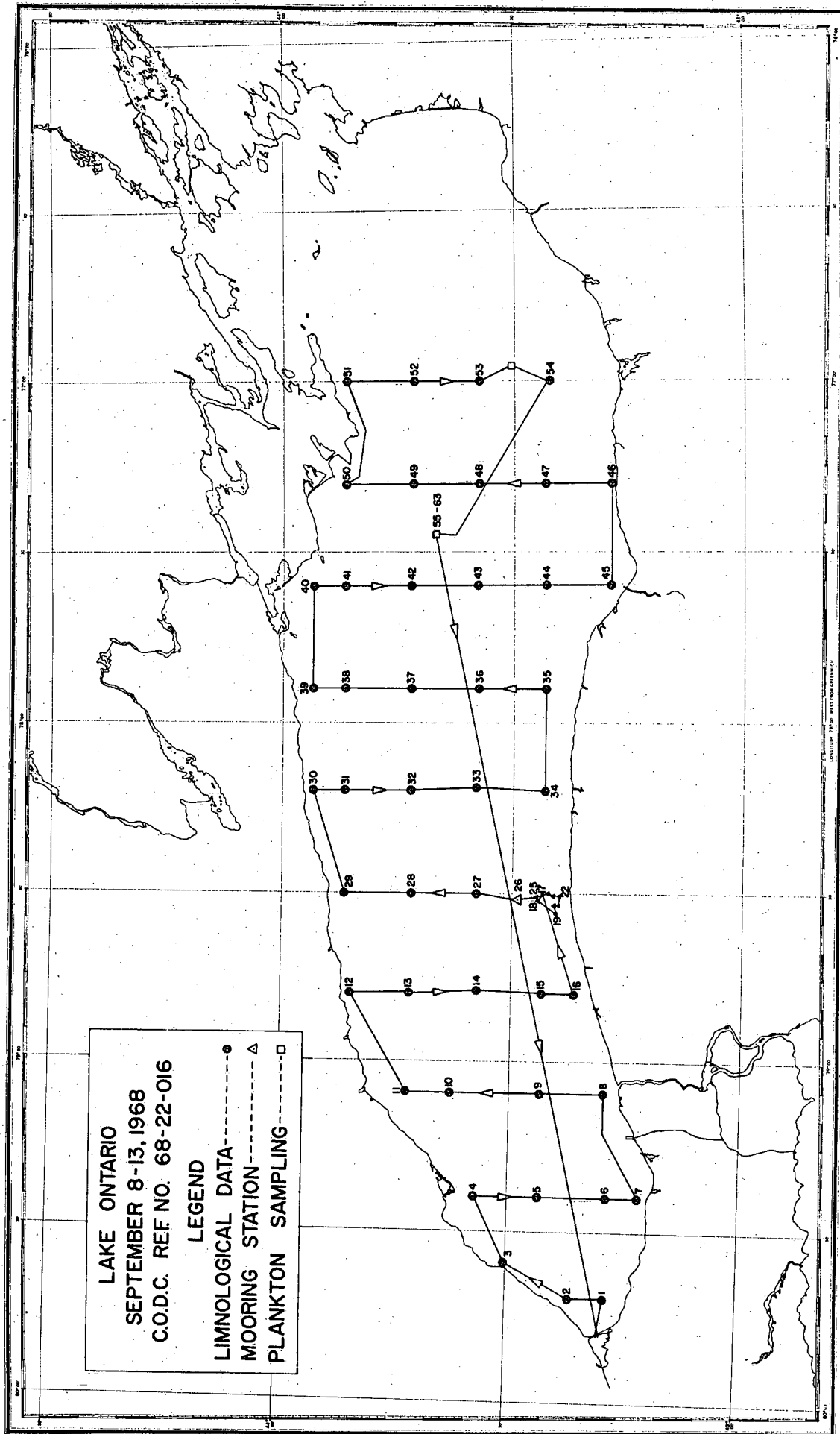
LEGEND  
 LIMNOLOGICAL STATION ●  
 MOORING STATION △



LAKE ONTARIO  
 AUGUST 19-22, 1968  
 C.O.D.C. REF. NO. 68-22-014

LEGEND  
 LIMNOLOGICAL STATION ---●---  
 MOORING STATION ---△---





Summary of the Cruises and Data listed for Lake Ontario.

Data Report No.	1		
Cruise No.	001	005	009
Dates (1968)	April 30 May 3	May 27 May 30	July 2 July 6
Cruise Type	Monitor	Monitor	Monitor
Vessel	Theron	Theron	Theron
No. of Stations	77	61	73
No. of BT Slides	77	61	73
Station Data:			
Date/Time	X	X	X
Sounding	X	X	X
BT Slide No.	X	X	X
Sample Depth	X	X	X
Secchi Depth	X	X	X
Colour Forel-ule	X	X	X
Temperature	X	X	X
Temperature Classification	X	X	X
Turbidity	X	X	X
Specific Conductance	X	X	X
Residue, filtrable pH 25°C	X		
Alkalinity, total (titrimetric)			
Oxygen dissolved (Winkler)	X	X	X
Phosphate, total		X	X
Phosphate, reactive	X	X	X
Ammonia nitrogen, soluble F		X	X
Nitrate nitrite nitrogen F	X	X	X
Sulphate NF			
Fluoride NF			
Chloride NF			
Silica, reactive	X	X	X
Hardness, total			
Calcium NF atomic absorption			
Magnesium, NF			
Potassium, NF photometric			
Sodium NF photometric			
Chlorophyll A	X	X	X
Coliforms MF	X		
Fecal coliforms MF	X		
Standard plate count at 20°C	X		
Standard plate count at 35°C	X		

F - Filtered  
NF - Non filtered



## Description of the Data Record

Information in the headings for each station:

1. C-REF-No.	5. LAT.	7. YEAR	11. No. DEPTHS
2. CONS. No.	6. LON.	8. MONTH	12. SOUNDING
3. COUNTRY		9. DAY	13. BT SLIDE No.
4. INSTITUTE		10. TIME	

### Explanations:

- (1) Cruise number: the 1968 cruises are numbered consecutively from 001 to 023. The initial digit (0) is assigned to all Lake Ontario cruises.
- (2) Consecutive station number: the stations within each cruise are numbered in chronological order.
- (4) Institute: For filing purposes, the institute code was 22 (Inland Waters Branch, Department of Energy, Mines and Resources).
- (5) and (6) indicate the latitude and longitude of the vessel, in degrees, minutes and seconds, at the time of the observations.
- (7), (8) and (9) indicate the date of the observations according to Greenwich Mean Time.
- (10) Indicates the messenger time in hours and minutes (Greenwich Mean Time) for the first bottle cast at the station. The hours of each day are numbered from 00 to 23.
- (11) The number of depths at which observations were made. This should correspond to the number of depths actually listed. The count is listed to reveal omissions due to the loss of punch-cards.
- (12) The sounding is listed in meters, to the nearest tenth of a meter.
- (13) Indicates the bathythermograph slide number corresponding to the particular station. The slides are numbered consecutively within each cruise.

EXPLANATION OF THE DATA LISTING FOR EACH STATION

<u>Parameter Name</u>	<u>Abbreviation (column heading)</u>	<u>Units used in the Data Reports</u>	<u>No. of Decimals Printed</u>	<u>Star System Code</u>
Sample Depth	DEPTH	METRES	1	001
Secchi Depth	SECCHI	METRES	1	030
Colour Forel - ule	FOREL	forel-ule scale		031
Temperature	TEMP	°C	2	100
Temperature Classification	T CLAS	°C	2	109
Turbidity	TURB	Turbidity Units	1	123
Specific Conductance	SP CON	Micromhos 25°C		160
Residue, filtrable	F RES	mg/L	1	201
pH 25°	pH 25°	pH units	3	215
Alkalinity, total (titrimetric)	TT ALK	mgCaCO <sub>3</sub> /L	1	219
Oxygen, dissolved (Winkler)	O <sub>2</sub> W	mg O <sub>2</sub> /L	2	245
Phosphate, total	T PO <sub>4</sub>	mg PO <sub>4</sub> /L	3	260
Phosphate, reactive	SR PO <sub>4</sub>	mg PO <sub>4</sub> /L	3	263
Ammonia nitrogen, soluble	NH <sub>3</sub>	mg N/L	3	270
Nitrate nitrite nitrogen F	TF NO <sub>3</sub>	mg N/L	3	276
Sulphate NF	S SO <sub>4</sub>	mg SO <sub>4</sub> /L	1	280
Fluoride NF	F	mg F/L	3	289
Chloride NF	CL	mg Cl/L	1	290
Silica, reactive	R SiO <sub>2</sub>	mg SiO <sub>2</sub> /L	3	295
Hardness, total	HARD	mg CaCO <sub>3</sub> /L	1	300
Calcium NF	CA NFA	mg metal/L	3	324
Magnesium NF	MG NF	mg metal/L	3	354
Potassium NF	K NFS	mg metal/L	3	372
Sodium NF	NA NFS	mg metal/L	3	388
Chlorophyll A	CHLORA	mg/M <sup>3</sup>	1	610
Coliforms MF	MF COL	colonies/100 ml.	*	700
Fecal Coliforms MF	MF FCO	colonies/100 ml.	*	703
Standard plate count at 20°C	SPC 20	colonies/ml.	*	720
Standard plate count at 35°C	SPC 35	colonies/ml.	*	721

\* - Exponential Notation  
 F - Filtered  
 NF - Non Filtered

Note: The four bacteriological parameters are listed in exponential form:

$$130E02 = 1.30 \times 10^2 = 130.$$

$$100E00 = 1.00 \times 10^0 = 1.$$

$$000E00 = 0.00 \times 10^0 = 0.$$

Note: For some parameters, the analytical methods listed in the Star System manual (Glennie and MacLeod 1967, pp. 23-33) are not the methods used in these Data Reports.

## Methods of Sampling and Measurement

Water sampling was carried out on the port side of the vessel, amidships, where a davit and a "chains" platform were installed. A small wooden deckhouse provided shelter for reading the thermometers and for transferring water from the primary sampling devices to small bottles which were taken to the shipboard laboratory. The sampling procedure together with photographs of the equipment are published in Manuscript Report No. 67-1 of the Public Health Engineering Division, Department of National Health and Welfare.

Samples were collected at standard depths of 1, 5, 10, 20, 30, 50, 75, 100, 150, 200, and at 250 metres, where the depth of water permitted. The water sampling devices were metal Knudsen bottles with a capacity of 1.2 litres, and polyvinylchloride Van Dorn bottles with capacities of 2 and 3 litres. Oceanographic reversing thermometers, and rubber bulbs for bacteriological sampling, were mounted on the Knudsen bottles.

For bacteriological sampling, a sterile deflated pear-shaped rubber bulb was attached to a Knudsen bottle. A brass plug in the opening of the rubber bulb was pulled out by the reversing Knudsen bottle. (REF. 13, pp. 88-90).

Position Latitude and longitude was determined using radar ranges and bearings on identifiable shoreline features. Occasionally, dead-reckoning had to be used when the vessel was far from shore.

Sounding The depth of water at each station was measured with the ship's echo sounder. Corrections for the transducer depth have been applied.

Secchi depth is the depth of disappearance of a white disc, 30 centimetres in diameter, when it is lowered slowly into the water on the port side of the vessel.

Colour Secchi disc colour reported in Forel-ule scale.

Sample depth The length of wire was measured with a metre wheel using the water surface as the reference level. Wire-angle corrections were applied whenever corrections were greater than one metre.

Temperature Oceanographic reversing thermometers manufactured by Richter & Wiese of Germany were used in series at all the required depths. Later, each thermometer was read twice in the vessel's deckhouse. There were usually two thermometers on each Knudsen bottle. A single mean corrected temperature value is reported in this final data record, but the individual readings are kept on file at the Canada Centre for Inland Waters.

Additional temperature measurements were made with bathythermographs, and with a thermistor thermometer towed at a depth of approximately one metre while the ship was underway. The BT and thermistor data are available on request from the Canada Centre for Inland Waters.

Turbidity NF - Nephelometric, Hach Turbidimeter, Jackson Units (REF. 12).

Specific conductance 25°C - Ohmmetric, Radiometer Conductivity Meter Type CDM2 (REFS. 1, 19).

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NF - Non filtered.

Residue filtrable (total dissolved solids) - Gravimetric (REF. 1).

pH 25°C - Corning pH meter, Model 10 (REFS. 1, 8).

Alkalinity, total (Titrimetric) - Potentiometric Titration (REF. 23).

Dissolved Oxygen was measured using the Winkler iodometric method. Azide was not used. (REF. 14, pp. 67-78).

Total Phosphate NF - Photometric, autoanalyzer (REFS. 3, 4, 20).

Reactive Phosphate F - Photometric, autoanalyzer, double filtration, stannous chloride + hydrazine sulphate (REFS. 3, 4, 20).

Ammonia nitrogen soluble F - Photometric, autoanalyzer (REF. 23).

Nitrate Nitrite Nitrogen F - Autoanalyzer, colorimetric cadmium reduction (REFS. 6, 7).

Sulphate NF - Titrimetric, barium chloride, Thorin indicator (REFS. 2, 9).

Fluoride F - Autoanalyzer, colorimetric, SPADNS indicator (REFS. 1, 5).

Chloride NF - Autoanalyzer, colorimetric, mercury thiocyanate (REF. 15).

Reactive silica - Autoanalyzer, colorimetric, heteropoly blue (REFS. 1, 22).

Total hardness - Computed from calcium and magnesium determinations (REF. 1).

Calcium NF - Atomic absorption spectrophotometry (REF. 18).

Magnesium NF - Atomic absorption spectrophotometry (REF. 18).

Potassium NF - Autoanalyzer, flame emission photometry (REF. 21).

Sodium NF - Autoanalyzer, flame emission photometry (REF. 21).

Chlorophyll A - *in vivo* chlorophyll concentrations (REFS. 16, 17).

#### BACTERIOLOGICAL PARAMETERS

Storage conditions for bacteriological samples The analyses began within one or two hours after sampling, except for samples collected between midnight and 6.30 a.m. The night samples were stored at temperatures varying between 4 and 7°C for a maximum of 8 hours before their analyses commenced.

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F - Filtered.

NF - Non filtered.

Coliform density determinations were obtained by membrane filtration techniques using Bacto-m Endo MF Broth. Membranes were incubated at 35°C for 20±2 hours in an atmosphere of saturated humidity. Coliform densities were recorded in terms of coliforms per 100 ml. of water sample. (REF. 1, p. 615).

Fecal coliform density determinations were obtained by membrane filtration techniques using Bacto-m FC Broth. Membranes were incubated in 44.5°C waterbath for 24±2 hours. Fecal coliform densities were recorded in terms of fecal coliforms per 100 ml. of water sample (REF. 10).

Standard plate counts The American Public Health Association Standard Methods (REF. 1, p. 592), Standard Plate Count procedure was used for the estimation of total bacterial (viable) numbers at 35°C and 20°C. Bacto-Plate Count Agar was the medium used. Total viable counts were read at 24±2 hours for plates incubated at 35°C and 48±3 hours for plates incubated at 20°C. Counts were calculated and recorded as standard plate counts per ml. of water at the specified temperature.

#### PROGRAM CO-ORDINATION

##### Physical Limnology

Dr. R.K. Lane (G.L.D.)  
Mr. D.G. Robertson (G.L.D.)

##### Limnogeology

Dr. P.G. Sly (G.L.D.)  
Mr. W. Warwick (G.L.D.)

##### Water Quality

Dr. V.K. Chawla (W.Q.D.)

##### Bacteriology

Mr. B.J. Dutka (P.H.E.D.)  
Mr. H.R. van Otterloo (P.H.E.D.)

##### Chlorophyll & Plankton

Mr. H.F. Nicholson (F.R.B.)

##### Operations

Mr. H.B. Macdonald (G.L.D.)

##### Ship Support

Mr. A. Quirk (M.S.B.)

##### Engineering Support

Mr. K.N. Birch (G.L.D.)  
Mr. H.A. Savile (G.L.D.)

##### Computer & Data Services

Mr. D.M. Francis (G.L.D.)  
Mr. W. Nagel (G.L.D.)

- (G.L.D.) Great Lakes Division, Department of Energy, Mines and Resources.  
(W.Q.D.) Water Quality Division, Department of Energy, Mines and Resources.  
(P.H.E.D.) Public Health Engineering Division, Department of National Health and Welfare  
(F.R.B.) Fisheries Research Board, Department of Fisheries and Forestry.  
(M.S.B.) Marine Sciences Branch, Department of Energy, Mines and Resources.



### Other Participating Agencies

The Canadian Oceanographic Data Centre produced and distributed the preliminary data records, and published final reports in the present series.

The Meteorological Branch of the Department of Transport provided meteorological instruments, and trained the personnel who carried out the weather observations.

Captain D. Butler and crew of Marine Sciences Branch, operated the Canadian Scientific Ship "Limnos" and Captain H.L. Maro and crew operated the chartered ship "M.V. Theron" in support of the limnological programs.

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**CRUISE 68 - 012**

C-REF-NO 012  
 CONS. NO 001  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-16N  
 LON 079-42-02W

YEAR 1968  
 MONTH 07  
 DAY 23  
 TIME 1301

NO. DEPTHS 05  
 SOUNDING 0287  
 BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	2.0	10	10.06	0.01	1.3	314	12.27
5.0			5.85	0.11	0.9	264	12.11
10.0			4.62	0.02	0.5	182	12.40
20.0			3.95	0.06	1.5	279	12.35
27.0			4.00	0.04	14.5	148	12.22

C-REF-NO 012  
 CONS. NO 002  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-21-47N  
 LON 079-42-00W

YEAR 1968  
 MONTH 07  
 DAY 23  
 TIME 1439

NO. DEPTHS 05  
 SOUNDING 0268  
 BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	2.4	9	9.71	0.00	1.4	337	12.12
5.0			6.78	0.02	0.2	327	12.32
10.0			5.72	0.05	0.3	338	12.43
20.0			5.42	0.06	0.3	295	12.50
26.0			4.41	0.02	0.4	335	12.65

C-REF-NO 012  
 CONS. NO 003  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-30-04N  
 LON 079-35-42W

YEAR 1968  
 MONTH 07  
 DAY 23  
 TIME 1555

NO. DEPTHS 03  
 SOUNDING 0094  
 BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	4.0	10	6.99		0.3	329	12.70
5.0			6.04	0.04	0.3	322	12.78
9.0			5.88	0.05	0.7	331	12.59

C-REF-NO 012  
 CONS. NO 004  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-24N  
 LON 079-24-00W

YEAR 1968  
 MONTH 07  
 DAY 23  
 TIME 1726

NO. DEPTHS 07  
 SOUNDING 0671  
 BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	2.8	9	10.74	0.02	0.3	323	14.03
5.0			9.34	0.01	0.6	330	14.25
10.0			8.33	0.04	0.5	325	13.00
20.0			4.78	0.03	0.2	327	12.66
30.0			4.27	0.05	0.3	326	12.62
50.0			4.12	0.02	0.5	327	12.80
64.0			4.10	0.01	0.4	327	12.40

C-REF-NO 012  
 CONS. NO 005  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 079-23-57W

YEAR 1968  
 MONTH 07  
 DAY 23  
 TIME 1901

NO. DEPTHS 09  
 SOUNDING 1164  
 BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.0	10	17.45	0.01	0.4	314	12.39
5.0			8.30	0.02	0.4	327	11.77
10.0			6.74		0.2	330	11.82
20.0			4.85	0.03	0.1	328	12.64
30.0			4.00	0.03	0.1	325	13.18
50.0			3.99	0.01	0.1	332	13.16
73.0			3.92	0.04	0.1	331	13.97
97.0			3.79	0.06	0.1	332	12.75
105.0			3.75		47.0	326	9.67

C-REF-NO 012  
 CONS. NO 006  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-12N  
 LON 079-24-00W

YEAR 1968  
 MONTH 07  
 DAY 23  
 TIME 2033

NO. DEPTHS 07  
 SOUNDING 0783  
 BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.5	10	19.76	0.01	0.5	308	11.42
5.0			12.22	0.03	0.6	318	11.14
10.0			7.17	0.02	0.1	330	11.51
20.0			4.67	0.03	0.1	330	12.30
30.0			4.11	0.05	0.1	331	12.99
50.0			3.95	0.01	0.0	329	13.01
75.0			3.86	0.02	1.1	332	11.17

C-REF-NO 012  
 CONS. NO 007  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-13-00N  
 LON 079-24-00W

YEAR 1968  
 MONTH 07  
 DAY 23  
 TIME 2129

NO. DEPTHS 04  
 SOUNDING 0165  
 BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.0	10	20.54	0.01	0.9	250	10.96
5.0			14.99	0.12	0.9	278	10.76
10.0			8.89	0.02	0.5	305	10.54
16.0			7.51	0.05	0.7	304	10.40

C-REF-NO 012  
 CONS. NO 008  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-47N  
 LON 079-06-06W

YEAR 1968  
 MONTH 07  
 DAY 23  
 TIME 2315

NO. DEPTHS 03  
 SOUNDING 0094  
 BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.0	9	24.04	0.02	1.2	322	9.45
5.0			23.79	0.03	1.0	252	9.09
9.0			23.69		16.0	310	8.84

C-REF-NO 012  
 CONS. NO 009  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 079-05-54W

YEAR 1968  
 MONTH 07  
 DAY 24  
 TIME 0045

NO. DEPTHS 09  
 SOUNDING 1225  
 BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			23.40	0.01	1.2		10.96
5.0			21.69	0.06	0.6		9.06
10.0			8.91	0.04	0.3		10.57
20.0			5.83	0.07	0.3		12.16
30.0			5.07	0.02	0.3		12.55
50.0			4.23	0.02	0.3		12.96
75.0			3.95	0.04	6.3		13.09
100.0			3.82	0.00	0.4	348	12.98
118.0			3.80	0.05	56.0	305	11.01

C-REF-NO 012  
 CONS. NO 010  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-42N  
 LON 079-06-02W

YEAR 1968  
 MONTH 07  
 DAY 24  
 TIME 0245

NO. DEPTHS 09  
 SOUNDING 1274  
 BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.69	0.00	60.0	338	11.56
5.0			9.10	0.01	0.1	294	13.07
10.0			7.29	0.06	0.3	296	12.93
20.0			4.94	0.06	0.2	280	13.21
30.0			4.03	0.00	0.1	323	12.96
49.0			3.99	0.02	0.2	329	14.49
74.0			3.94	0.03	0.1	333	11.31
98.0			3.80	0.02	0.3	331	11.11
126.0			3.77	0.03	0.4	320	12.02

C-REF-NO 012  
 CONS. NO 011  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-19N  
 LON 079-06-06W

YEAR 1968  
 MONTH 07  
 DAY 24  
 TIME 0405

NO. DEPTHS 07  
 SOUNDING 0700  
 BT SLIDE NO 011

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			12.41	0.02	0.5	306	14.42
5.0			10.02	0.06	1.1	283	15.34
10.0			8.22	0.01	0.4	313	13.72
20.0			5.47	0.01	0.2	320	12.22
30.0			4.90	0.01	0.5	304	12.66
50.0			4.10	0.02	0.2	293	12.79
70.0			4.05	0.05	4.3	333	12.63

C-REF-NO 012  
 CONS. NO 012  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-51-00N  
 LON 078-48-00W

YEAR 1968  
 MONTH 07  
 DAY 24  
 TIME 0549

NO. DEPTHS 04  
 SOUNDING 0213  
 BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			9.96	0.01	0.4	306	12.91
5.0			8.82	0.01	0.6	289	12.96
10.0			8.64	0.00	0.9	291	13.07
20.0			6.82	0.07	0.9	303	11.58

C-REF-NO 012  
 CONS. NO 013  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 078-48-00W

YEAR 1968  
 MONTH 07  
 DAY 24  
 TIME 0709

NO. DEPTHS 08  
 SOUNDING 1009  
 BT SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			17.50	0.04	0.2	291	12.55
5.0			15.82	0.03	0.2	277	13.35
10.0			7.52	0.09	0.6	324	15.11
20.0			4.79	0.02	0.1	332	12.24
30.0			3.98	0.01	0.4	311	12.93
50.0			3.98	0.02	0.1	335	12.94
75.0			3.91	0.01	0.1	334	13.02
97.0			3.84	0.06	0.4	330	11.99

C-REF-NO 012  
 CONS. NO 014  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-36N  
 LON 078-48-00W

YEAR 1968  
 MONTH 07  
 DAY 24  
 TIME 0829

NO. DEPTHS 09  
 SOUNDING 1497  
 BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			21.98	0.03	0.3	291	9.85
5.0			19.43	0.01	0.2	291	10.81
10.0			11.60	0.04	0.2	292	9.55
20.0			4.01	0.05	0.1	305	13.15
30.0			4.01	0.00	0.1	304	13.12
50.0			3.96	0.01	0.1	307	13.18
74.0			3.95	0.03	0.0	306	12.96
99.0			3.90	0.00	0.1	343	13.28
144.0			3.75	0.05	0.3	334	12.49

C-REF-NO 012  
 CONS. NO 015  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 078-47-54W

YEAR 1968  
 MONTH 07  
 DAY 24  
 TIME 0954

NO. DEPTHS 09  
 SOUNDING 1289  
 BT SLIDE NO 015

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			22.01	0.00	0.4	327	9.55
5.0			22.04	0.06	0.5	306	9.53
10.0			19.17	0.02	0.4	321	9.33
20.0			9.30	0.09	0.2	336	10.62
30.0			6.28	0.04	0.2	335	12.35
50.0			4.88	0.06	0.2	337	12.57
75.0			4.08	0.02	0.2	338	12.91
100.0			3.87	0.01	0.4	337	12.79
122.0			3.90	0.07	0.7	338	11.36



C-REF-NO 012  
 CONS. NO 016  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-21-42N  
 LON ~~078-48-00W~~  
 078-48-00W

YEAR 1968  
 MONTH 07  
 DAY 24  
 TIME 1101

NO. DEPTHS 07  
 SOUNDING 0530  
 BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			21.56	0.07	0.3	315	10.00
5.0			21.56	0.00	0.4	317	9.99
10.0			16.60	0.00	0.3	321	8.68
20.0			6.96	0.02	0.2	335	11.56
30.0			4.78	0.01	0.2	334	12.23
50.0			4.09		0.2	339	12.55
52.0			4.13	0.03	52.0	339	11.31

C-REF-NO 012  
 CONS. NO 017  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 078-30-00W

YEAR 1968  
 MONTH 07  
 DAY 24  
 TIME 1245

NO. DEPTHS 09  
 SOUNDING 1230  
 BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	5.0	10	21.19	0.01	0.4	315	9.85
5.0			20.91	0.03	0.3	314	10.05
10.0			17.25	0.03	0.2	320	8.92
20.0			8.88	0.07	0.2	331	11.01
29.0			6.65	0.05	0.1	336	11.73
49.0			4.78	0.00	0.2	337	12.61
73.0			4.14	0.02	0.2	338	12.80
98.0			3.96	0.00	0.2	336	12.79
120.0			3.89	0.07	69.0	337	11.26

C-REF-NO 012  
 CONS. NO 018  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-42N  
 LON 078-30-00W

YEAR 1968  
 MONTH 07  
 DAY 24  
 TIME 1413

NO. DEPTHS 10  
 SOUNDING 1707  
 BT SLIDE NO 018

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.5	9	19.80	0.02	0.3	278	10.89
5.0			18.77	0.01	0.3	308	11.28
10.0			17.62	0.03	0.3	313	10.95
20.0			8.59	0.04	0.2	331	11.55
30.0			5.12	0.05	0.2	332	12.63
49.0			3.96	0.00	0.2	336	13.09
74.0			3.88	0.00	0.1	337	13.17
98.0			3.85	0.02	0.1	336	13.17
148.0			3.87	0.17	0.2	335	13.21
166.0			3.72	0.04	36.0	336	12.29

C-REF-NO 012  
 CONS. NO 019  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 078-30-00W

YEAR 1968  
 MONTH 07  
 DAY 24  
 TIME 1537

NO. DEPTHS 09  
 SOUNDING 1088  
 BT SLIDE NO 019

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	4.0	9	18.03	0.02	0.3	314	12.21
5.0			13.01	0.09	0.6	316	14.69
10.0			6.66	0.02	0.5	323	14.93
20.0			4.05	0.08	0.1	330	13.05
30.0			4.06	0.00	0.1	329	13.16
50.0			4.01	0.01	0.1	328	13.07
75.0			4.00	0.01	0.0	326	13.03
100.0			3.75	0.01	0.3	333	12.01
103.0			3.77	0.01	0.4	335	12.07

C-REF-NO 012  
 CONS. NO 020  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 078-30-00W

YEAR 1968  
 MONTH 07  
 DAY 24  
 TIME 1740

NO. DEPTHS 05  
 SOUNDING 0396  
 BT SLIDE NO 020

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	3.0	9	13.57	0.00	0.7	320	13.92
5.0			11.20	0.01	0.6	322	14.38
10.0			7.74	0.03	0.4	331	11.91
20.0			6.34	0.03	0.3	335	10.97
38.0			6.23	0.02	0.4	338	11.00

C-REF-NO 012  
 CONS. NO 021  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-56-18N  
 LON 078-12-00W

YEAR 1968  
 MONTH 07  
 DAY 24  
 TIME 1914

NO. DEPTHS 04  
 SOUNDING 0198  
 BT SLIDE NO 021

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	3.0	10	13.05	0.06	0.3	328	13.40
5.0			12.06	0.03	0.7	324	13.54
10.0			10.62	0.00	0.6	330	12.88
18.0			7.99	0.01	0.6	335	10.53

C-REF-NO 012  
 CONS. NO 022  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 078-12-00W

YEAR 1968  
 MONTH 07  
 DAY 24  
 TIME 2003

NO. DEPTHS 06  
 SOUNDING 0518  
 BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	3.0	10	13.91	0.01	0.6	320	13.82
5.0			10.04	0.02	0.9	323	13.41
10.0			6.88	0.02	0.3	332	10.71
20.0			5.41	0.02	0.1	333	11.77
30.0			4.48	0.01	0.1	335	12.16
49.0			4.24	0.01	0.2	336	12.09

C-REF-NO 012  
 CONS. NO 023  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-15N  
 LON 078-12-00W

YEAR 1968  
 MONTH 07  
 DAY 24  
 TIME 2120

NO. DEPTHS 09  
 SOUNDING 1277  
 BT SLIDE NO 023

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	5.0	8	19.99	0.01	0.1	318	11.29
5.0			16.53	0.02	0.4	314	12.10
10.0			9.35	0.05	0.4	327	12.41
20.0			5.19	0.05	0.1	332	12.16
30.0			4.30	0.00	0.1	334	13.03
50.0			3.90	0.00	0.1	334	13.30
75.0			3.91	0.02	0.1	333	13.36
100.0			3.83	0.00	0.1	333	13.37
122.0			3.96	0.14	15.0	342	12.08

C-REF-NO 012  
 CONS. NO 024  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-48N  
 LON 078-12-00W

YEAR 1968  
 MONTH 07  
 DAY 24  
 TIME 2310

NO. DEPTHS 10  
 SOUNDING 1883  
 BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	5.0	9	20.24	0.02	0.2	318	10.83
5.0			19.98	0.02	0.2	315	10.90
10.0			17.62	0.06	0.3	318	11.20
20.0			7.13	0.04	0.1	330	11.51
30.0			5.21	0.06	0.1	334	12.54
50.0			4.42	0.01	0.1	331	13.20
75.0			4.06	0.01	0.1	334	13.34
100.0			3.95		0.1	334	13.40
150.0			3.69		0.1	332	13.33
187.0			3.68	0.06	0.3	336	12.47

C-REF-NO 012  
 CONS. NO 025  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-25-48N  
 LON 078-12-00W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 0028

NO. DEPTHS 08  
 SOUNDING 0792  
 BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			20.55	0.01	0.2	317	10.34
5.0			20.49	0.03	0.3	312	10.34
10.0			14.83	0.02	0.3	318	10.97
19.0			7.85	0.04	0.1	328	11.38
29.0			5.80	0.01	0.2	332	12.40
48.0			4.46	0.01	0.2	331	13.91
72.0			3.88		0.3	334	12.58
75.0			3.93	0.05	0.7	335	12.13

C-REF-NO 012  
 CONS. NO 026  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 077-53-58W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 0205

NO. DEPTHS 09  
 SOUNDING 1189  
 BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			21.24	0.01	0.2	314	10.37
5.0			21.00	0.04	0.4	313	10.13
10.0			18.54	0.04	0.2	315	10.08
19.0			7.19	0.03	0.1	330	11.15
29.0			5.29	0.02	0.1	334	12.35
48.0			4.25	0.03	0.1	337	13.35
72.0			3.91	0.05	0.1	336	13.15
96.0			3.76	0.03	0.1	339	13.04
114.0			3.73	0.01	0.8	340	12.80

C-REF-NO 012  
 CONS. NO 027  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-44N  
 LON 077-54-00W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 0320

NO. DEPTHS 10  
 SOUNDING 1871  
 BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			19.65	0.01	0.3	320	11.00
5.0			19.61	0.01	0.3	305	11.17
10.0			16.35	0.01	0.1	289	11.99
20.0			7.15	0.05	0.1	302	11.58
30.0			5.24	0.08	0.1	327	12.68
50.0			4.45	0.00	0.0	331	13.18
75.0			4.02	0.00	0.0	294	13.32
100.0			3.91	0.05	0.1	330	13.35
149.0			3.77	0.01	0.1	331	14.55
185.0			3.71	0.01	51.0	328	12.68

C-REF-NO 012  
 CONS. NO 028  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-20N  
 LON 077-54-00W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 0504

NO. DEPTHS 09  
 SOUNDING 1192  
 BT SLIDE NO 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			19.00	0.00	0.1	287	13.71
5.0			18.74	0.02	0.2	286	12.10
10.0			13.37	0.03	0.4	297	10.89
20.0			6.10	0.05	0.1	309	14.24
30.0			4.81	0.01	0.1	311	14.44
49.0			3.92	0.00	0.0	309	14.83
74.0			3.86	0.05	0.1	309	11.66
98.0			3.80	0.02	0.1	313	13.20
112.0			3.75	0.00	0.6	316	11.09

C-REF-NO 012  
 CONS. NO 029  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 077-54-00W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 0616

NO. DEPTHS 07  
 SOUNDING 0607  
 BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.03	0.01	0.2	293	12.13
5.0			18.10	0.02			12.49
10.0			8.90	0.03	0.2	307	11.31
20.0			5.94	0.02	0.2	313	11.11
30.0			5.17	0.07	0.1	313	11.64
50.0			4.43	0.01	0.1	317	11.89
57.0			4.44	0.02	2.1	307	11.88

C-REF-NO 012  
 CONS. NO 030  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-56-18N  
 LON 077-54-00W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 0721

NO. DEPTHS 06  
 SOUNDING 0381  
 BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			14.74	0.00	0.5	302	12.80
5.0			13.39	0.00	0.4	297	13.26
10.0			7.56	0.01	0.2	303	11.00
20.0			6.46	0.01	0.1	311	11.07
30.0			6.48	0.04	0.2	313	9.94
36.0			6.42	0.02	1.0	331	10.41

C-REF-NO 012  
 CONS. NO 031  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-56-18N  
 LON 077-36-00W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 0857

NO. DEPTHS 05  
 SOUNDING 0253  
 BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			16.98	0.01	0.6	301	10.85
5.0			16.94	0.00	0.7	300	10.79
9.0			11.81	0.01	0.4	308	10.91
19.0			10.47	0.06	0.4	304	10.73
23.0			9.16	0.03	1.0	305	10.44

C-REF-NO 012  
 CONS. NO 032  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 077-36-00W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 0951

NO. DEPTHS 06  
 SOUNDING 0491  
 BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.72	0.01	0.6	320	10.88
5.0			18.66	0.04	0.5	315	10.91
10.0			13.37	0.02	0.5	329	10.84
19.0			8.53	0.00	0.3	338	10.52
29.0			7.70	0.07	0.2	344	10.79
45.0			5.36	0.02	0.4	340	11.06

C-REF-NO 012  
 CONS. NO 033  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 077-36-00W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 1106

NO. DEPTHS 07  
 SOUNDING 0732  
 BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.0	7	19.27	0.02	0.5	308	10.49
5.0			18.29	0.02	0.4	313	10.36
10.0			11.07	0.06	0.3		10.22
20.0			5.68	0.01	0.2		11.82
30.0			4.05	0.02	0.5		12.91
50.0			3.88	0.06	0.4	336	13.07
73.0			3.84	0.02	0.6	332	12.55

C-REF-NO 012  
 CONS. NO 034  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-30N  
 LON 077-36-00W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 1210

NO. DEPTHS 10  
 SOUNDING 1737  
 BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	10	19.28	0.01	0.2	310	10.64
5.0			19.08	0.06	0.4	312	10.70
10.0			18.45	0.02	0.3	312	10.55
20.0			5.89	0.05	0.4	329	11.84
29.0			4.78	0.01	0.1	330	12.72
49.0			4.13	0.01	0.3	332	13.15
73.0			4.00	0.01	0.1	331	13.24
98.0			3.89	0.01	0.1	333	13.31
147.0			3.81	0.04	0.2	333	13.31
168.0			3.73	0.03	1.0	333	12.16

C-REF-NO 012  
 CONS. NO 035  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 077-36-00W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 1327

NO. DEPTHS 10  
 SOUNDING 1597  
 BT SLIDE NO 035

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.5	10	19.95	0.00	0.1	302	10.52
5.0			19.95	0.00	0.2	310	10.52
10.0			19.87	0.02	0.2	310	9.74
20.0			5.72	0.04	0.1	330	11.84
30.0			4.68	0.01	0.1	334	12.99
50.0			4.12	0.01	0.1	333	13.13
75.0			3.94	0.00	0.2	335	13.26
100.0			3.88	0.00	0.2	335	13.29
150.0			3.72	0.05	0.2	338	12.93
159.0			3.90		5.3	341	12.61

C-REF-NO 012  
 CONS. NO 036  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-24N  
 LON 077-36-05W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 1430

NO. DEPTHS 04  
 SOUNDING 0195  
 BT SLIDE NO 036

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	2.5	10	22.45	0.01	0.7	319	8.44
5.0			22.44	0.01	0.7	321	8.36
10.0			22.41	0.04	0.5	322	8.26
18.0			20.66	0.00	1.9	320	8.26

C-REF-NO 012  
 CONS. NO 037  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-24N  
 LON 077-17-54W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 1603

NO. DEPTHS 04  
 SOUNDING 0152  
 BT SLIDE NO 037

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	2.5	11	22.42	0.00	0.3	310	9.44
5.0			22.40	0.01	0.4	309	9.44
10.0			22.37	0.02	0.4	309	9.31
14.0			22.31	0.00	0.5	306	

C-REF-NO 012  
 CONS. NO 038  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 077-18-00W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 1727

NO. DEPTHS 10  
 SOUNDING 2085  
 BT SLIDE NO 038

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0			19.89	0.00	0.3	309	10.27
5.0			19.81	0.01	0.3	308	10.26
10.0			19.84	0.02	0.4	307	10.22
20.0			10.91	0.04	0.1	325	11.14
30.0			5.30	0.01	0.1	329	12.26
50.0			4.05	0.02	0.0	333	13.19
75.0			3.97	0.01	0.0	332	13.26
100.0			3.89	0.01	0.0	334	13.30
150.0			3.81	0.03	0.0	332	13.35
190.0			3.73	0.00	0.0	331	13.35

C-REF-NO 012  
 CONS. NO 039  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-48N  
 LON 077-18-00W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 1937

NO. DEPTHS 09  
 SOUNDING 1609  
 BT SLIDE NO 039

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	2.5	8	18.74	0.04	0.7	317	10.41
4.0			18.45	0.01	0.8	316	10.57
8.0			11.61	0.02	0.3	325	10.67
16.0			6.45	0.03	0.1	326	11.84
24.0			4.83	0.00	0.1	329	12.70
41.0			3.97	0.00	0.0	329	13.33
61.0			3.89	0.01	0.0	328	13.37
81.0			3.88	0.07	0.0	328	13.52
121.0			3.72	0.01	0.2	332	13.52



C-REF-NO 012  
 CONS. NO 040  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-21N  
 LON 077-18-18W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 2104

NO. DEPTHS 08  
 SOUNDING 0926  
 BT SLIDE NO 040

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	3.0	8	19.16	0.01	0.4	293	10.85
5.0			19.05	0.02	0.4	317	10.79
10.0			17.09	0.01	0.5	294	11.20
19.0			10.49	0.03	0.3	298	10.19
29.0			7.48	0.01	0.1	310	11.39
48.0			4.47	0.01	0.1	330	12.00
72.0			4.17	0.03	0.9	336	11.58
86.0			4.14	0.01	1.3	334	11.46

C-REF-NO 012  
 CONS. NO 041  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 077-18-00W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 2211

NO. DEPTHS 05  
 SOUNDING 0283  
 BT SLIDE NO 041

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	4.0	10	18.09	0.03	0.9	328	10.74
5.0			17.92	0.02	0.5	326	10.85
10.0			15.06	0.00	0.3	330	10.06
20.0			13.26	0.02	0.2	332	9.86
28.0			11.00	0.02	0.2	333	9.77

C-REF-NO 012  
 CONS. NO 042  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 077-00-00W

YEAR 1968  
 MONTH 07  
 DAY 25  
 TIME 2344

NO. DEPTHS 04  
 SOUNDING 0195  
 BT SLIDE NO 042

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	3.0	8	17.93	0.01	0.3	330	10.51
5.0			17.93	0.00	0.3	325	10.54
10.0			16.91	0.02	0.3	330	9.75
19.0			12.32	0.03	0.2	337	9.15

C-REF-NO 012  
 CONS. NO 043  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-24N  
 LON 077-00-12W

YEAR 1968  
 MONTH 07  
 DAY 26  
 TIME 0051

NO. DEPTHS 08  
 SOUNDING 0954  
 BT SLIDE NO 043

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0			20.37	0.00	0.7	327	10.17
5.0			20.01	0.05	0.6	325	10.33
10.0			18.76	0.02	0.8	323	10.57
20.0			9.68	0.03	0.4	334	10.19
30.0			7.51	0.00	0.3	338	11.41
49.0			4.27	0.01	0.2	339	12.91
74.0			3.93	0.05	0.5	339	12.51
93.0			3.92	0.02	1.3	339	12.46

C-REF-NO 012  
 CONS. NO 044  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-48N  
 LON 077-00-00W

YEAR 1968  
 MONTH 07  
 DAY 26  
 TIME 0159

NO. DEPTHS 10  
 SOUNDING 1896  
 BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0			19.47	0.01			10.22
5.0			19.46	0.05	0.8	329	10.24
10.0			16.55	0.04	0.5	323	10.13
19.0			7.15	0.05	0.4	335	11.59
29.0			5.05	0.00	0.2	337	12.30
48.0			4.13	0.01	0.1	337	13.15
72.0			3.87	0.01	0.1	335	13.28
97.0			3.81	0.01	0.1	338	13.29
145.0			3.76	0.05	0.2	338	13.31
183.0			3.69	0.00	16.0	339	12.76

C-REF-NO 012  
 CONS. NO 045  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-25-48N  
 LON 077-00-00W

YEAR 1968  
 MONTH 07  
 DAY 26  
 TIME 0309

NO. DEPTHS 10  
 SOUNDING 1963  
 BT SLIDE NO 045

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0			19.56	0.01	0.5	286	11.78
5.0			19.31	0.02	0.5	289	13.04
10.0			16.83	0.01	0.4	297	14.86
19.0			8.10	0.05	0.1	303	14.99
29.0			5.11	0.02	0.1	301	16.01
48.0			4.22	0.01	0.0	317	15.20
72.0			4.07	0.01	0.1	306	16.26
96.0			3.96	0.02	0.1	312	18.72
144.0			3.87	0.03	0.1	298	16.10
186.0			3.72	0.02	15.0	308	15.05

C-REF-NO 012  
 CONS. NO 046  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-48N  
 LON 077-00-00W

YEAR 1968  
 MONTH 07  
 DAY 26  
 TIME 0416

NO. DEPTHS 04  
 SOUNDING 0137  
 BT SLIDE NO 046

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			22.41	0.00	0.2	284	11.90
5.0			22.43	0.01	0.3	270	10.93
10.0			22.44	0.06	0.3	277	11.20
13.0			22.36	0.01	0.6	281	12.68

C-REF-NO 012  
 CONS. NO 047  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 076-42-00W

YEAR 1968  
 MONTH 07  
 DAY 26  
 TIME 0608

NO. DEPTHS 07  
 SOUNDING 0658  
 BT SLIDE NO 047

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			20.36	0.05	0.3	273	10.62
5.0			20.38	0.00	0.4	274	10.74
10.0			19.83	0.07	0.3	277	10.22
20.0			14.95	0.01	0.1	290	9.53
30.0			7.88	0.01	0.1	308	11.70
50.0			4.05	0.04	0.2	304	12.79
64.0			3.98	0.06	0.3	305	12.57

C-REF-NO 012  
 CONS. NO 048  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-42N  
 LON 076-42-00W

YEAR 1968  
 MONTH 07  
 DAY 26  
 TIME 0740

NO. DEPTHS 10  
 SOUNDING 2121  
 BT SLIDE NO 048

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			19.71	0.01	0.3	312	10.78
5.0			19.70	0.04	0.3	283	11.34
10.0			18.63	0.00	0.3	287	9.63
20.0			7.62	0.07	0.1	309	11.56
30.0			5.54	0.02	0.1	307	12.76
50.0			4.76	0.01	0.1	307	12.99
75.0			4.36	0.00	0.0	312	13.12
100.0			4.08	0.01	0.0	331	13.18
150.0			3.88	0.05	0.0	334	14.06
195.0			3.75	0.00	0.1	333	12.46

C-REF-NO 012  
 CONS. NO 049  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 076-42-00W

YEAR 1968  
 MONTH 07  
 DAY 26  
 TIME 0854

NO. DEPTHS 09  
 SOUNDING 1134  
 BT SLIDE NO 049

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			20.62	0.04	0.7	318	9.94
5.0			20.58	0.00	0.6	321	9.97
10.0			18.75	0.03	0.8	321	9.64
20.0			7.31	0.02	0.2	344	11.39
30.0			4.45	0.00	0.1	334	12.80
50.0			3.94	0.01	0.1	335	13.10
75.0			3.82	0.01	0.0	335	12.99
100.0			3.80	0.01	0.1	334	12.80
112.0			3.76	0.01	4.3	337	11.91

C-REF-NO 012  
 CONS. NO 050  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 076-42-03W

YEAR 1968  
 MONTH 07  
 DAY 26  
 TIME 1008

NO. DEPTHS 06  
 SOUNDING 0399  
 BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	11	21.06	0.00	0.4	319	9.77
5.0			20.99	0.06	0.3	316	9.75
10.0			20.61	0.02	0.2	314	9.77
20.0			13.49	0.04	0.1	330	9.31
30.0			9.01	0.04	0.1	338	10.16
38.0			5.74	0.03	5.7	339	10.44

C-REF-NO 012  
 CONS. NO 051  
 COUNTRY 18  
 INSTITUTE 22

LAT 44-00-42N  
 LON 076-47-54W

YEAR 1968  
 MONTH 07  
 DAY 26  
 TIME 1124

NO. DEPTHS 05  
 SOUNDING 0311  
 BT SLIDE NO 051

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	2.0	9	20.07	0.08	0.3	330	9.50
5.0			20.07	0.00	0.4	327	9.39
10.0			18.67	0.03	0.4	327	9.58
20.0			10.88	0.04	0.1	337	9.69
30.0			7.81	0.01	0.6	341	6.94

C-REF-NO 012  
 CONS. NO 052  
 COUNTRY 18  
 INSTITUTE 22

LAT 44-09-24N  
 LON 076-36-00W

YEAR 1968  
 MONTH 07  
 DAY 26  
 TIME 1252

NO. DEPTHS 04  
 SOUNDING 0189  
 BT SLIDE NO 052

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	9	20.97	0.01	0.4	321	9.06
5.0			20.90	0.03	0.3	323	8.98
10.0			20.90	0.06	0.3	326	8.98
18.0			13.96	0.03	0.2	337	7.06

C-REF-NO 012  
 CONS. NO 053  
 COUNTRY 18  
 INSTITUTE 22

LAT 44-00-42N  
 LON 076-30-00W

YEAR 1968  
 MONTH 07  
 DAY 26  
 TIME 1404

NO. DEPTHS 05  
 SOUNDING 0280  
 BT SLIDE NO 053

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	10	21.74	0.06	0.3	322	9.08
5.0			21.65	0.00	0.2	325	9.00
10.0			21.57	0.00	0.4	320	8.68
20.0			19.84	0.03	0.9	327	8.84
27.0			17.18	0.03	0.9	334	7.79

C-REF-NO 012  
 CONS. NO 054  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-56-18N  
 LON 076-12-00W

YEAR 1968  
 MONTH 07  
 DAY 26  
 TIME 1537

NO. DEPTHS 04  
 SOUNDING 0213  
 BT SLIDE NO 054

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.0	11	23.62	0.00	0.5	325	8.16
5.0			23.34	0.01	0.6	325	8.03
10.0			23.11	0.05	0.6	326	7.59
20.0			20.21	0.01	0.3	324	8.58

C-REF-NO 012  
 CONS. NO 055  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 076-23-55W

YEAR 1968  
 MONTH 07  
 DAY 26  
 TIME 1701

NO. DEPTHS 04  
 SOUNDING 0247  
 BT SLIDE NO 055

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.5	10	22.14	0.01	0.2	321	9.55
5.0			21.88	0.02	0.3	317	9.64
10.0			21.30	0.04	0.3	318	9.26
20.0			20.71	0.01	0.2	317	8.92

C-REF-NO 012  
 CONS. NO 056  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-24N  
 LON 076-24-00W

YEAR 1968  
 MONTH 07  
 DAY 26  
 TIME 1815

NO. DEPTHS 07  
 SOUNDING 0543  
 BT SLIDE NO 056

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.0	11	20.48	0.07	0.6	313	10.49
5.0			19.90	0.01	0.9	314	10.38
10.0			19.27	0.07	0.3	312	9.94
20.0			13.38	0.03	0.0	327	9.91
29.0			7.83	0.01	0.0	333	11.58
49.0			4.64	0.03	0.5	335	12.43
52.0			4.63	0.02	45.0	332	11.25

C-REF-NO 012  
 CONS. NO 057  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-42N  
 LON 076-24-00W

YEAR 1968  
 MONTH 07  
 DAY 26  
 TIME 1923

NO. DEPTHS 07  
 SOUNDING 0686  
 BT SLIDE NO 057

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	5.0	10	22.50	0.08	0.2	311	9.80
5.0			21.53	0.00	0.4	306	9.64
10.0			21.14	0.05	0.3	302	9.42
19.0			20.66	0.01	0.2	309	9.66
29.0			8.80	0.02	0.1	332	11.28
48.0			5.13	0.07	0.2	331	12.49
66.0			4.19	0.03	3.6	338	11.26

C-REF-NO 012  
 CONS. NO 058  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-23-27N  
 LON 078-30-30W

YEAR 1968  
 MONTH 07  
 DAY 27  
 TIME 0422

NO. DEPTHS 02  
 SOUNDING 0344  
 BT SLIDE NO 058

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
8.0			19.97	0.04			
23.0			5.77	0.01			

C-REF-NO 012  
 CONS. NO 059  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-24-24N  
 LON 078-31-33W

YEAR 1968  
 MONTH 07  
 DAY 27  
 TIME 0445

NO. DEPTHS 02  
 SOUNDING 0701  
 BT SLIDE NO 060

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
8.0			20.28	0.03			
25.0			6.80	0.02			

C-REF-NO 012  
 CONS. NO 060  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-24-35N  
 LON 078-30-18W

YEAR 1968  
 MONTH 07  
 DAY 27  
 TIME 0504

NO. DEPTHS 02  
 SOUNDING 0658  
 BT SLIDE NO 061

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
8.0			20.37	0.05			
28.0			6.19	0.01			

C-REF-NO 012  
 CONS. NO 061  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-25-18N  
 LON 078-29-50W

YEAR 1968  
 MONTH 07  
 DAY 27  
 TIME 0525

NO. DEPTHS 04  
 SOUNDING 0872  
 BT SLIDE NO 062

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
8.0			20.17	0.01			
15.0			11.05	0.05			
27.0			6.07	0.03			
45.0			4.68	0.00			

C-REF-NO 012  
 CONS. NO 062  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-42N  
 LON 078-30-42W

YEAR 1968  
 MONTH 07  
 DAY 27  
 TIME 0549

NO. DEPTHS 03  
 SOUNDING 1408  
 BT SLIDE NO 063

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
13.0			18.81	0.04			
33.0			5.98	0.05			
64.0			4.37	0.02			

C-REF-NO 012  
 CONS. NO 063  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-29-36N  
 LON 078-31-00W

YEAR 1968  
 MONTH 07  
 DAY 27  
 TIME 0620

NO. DEPTHS 02  
 SOUNDING 1768  
 BT SLIDE NO 064

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
10.0			20.36	0.06			
38.0			4.70	0.00			

**CRUISE 68 - 014**



C-REF-NO 014  
 CONS. NO 001  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-17N  
 LON 079-42-00W

YEAR 1968  
 MONTH 08  
 DAY 19  
 TIME 1506

NO. DEPTHS 04  
 SOUNDING 0229  
 BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	1.5	11	17.01	0.06	4.0	294	10.58
5.0			16.87	0.01	4.4	319	10.62
10.0			16.08	0.01	3.2	327	10.66
20.0			13.89	0.10	2.1	332	10.81

C-REF-NO 014  
 CONS. NO 002  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-21-42N  
 LON 079-42-00W

YEAR 1968  
 MONTH 08  
 DAY 19  
 TIME 1607

NO. DEPTHS 05  
 SOUNDING 0280  
 BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	1.5	10	16.06	0.01	2.1	406	10.89
5.0			16.03	0.02	2.4	405	10.77
10.0			15.85	0.00	2.5	291	10.68
19.0			14.39	0.06	2.4	294	10.88
26.0			9.44	0.00	2.2	302	10.29

C-REF-NO 014  
 CONS. NO 003  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-30-15N  
 LON 079-35-27W

YEAR 1968  
 MONTH 08  
 DAY 19  
 TIME 1758

NO. DEPTHS 03  
 SOUNDING 0091  
 BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	1.5	11	16.02	0.00	3.2	371	10.68
5.0			15.91	0.03	3.2	301	10.60
8.0			15.75	0.01	2.9	284	10.39

C-REF-NO 014  
 CONS. NO 004  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-24N  
 LON 079-24-00W

YEAR 1968  
 MONTH 08  
 DAY 19  
 TIME 1917

NO. DEPTHS 07  
 SOUNDING 0674  
 BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	1.5	8	16.57	0.00	2.2	410	10.49
5.0			16.45	0.01	2.2	300	10.38
10.0			15.17	0.02	1.9	297	10.42
20.0			10.25	0.03	0.6	306	10.07
30.0			6.62	0.01	0.4	330	10.61
50.0			4.89	0.02	0.4	339	10.60
66.0			4.79	0.01	0.6	336	10.57

C-REF-NO 014  
 CONS. NO 005  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-03N  
 LON 079-24-18W

YEAR 1968  
 MONTH 08  
 DAY 19  
 TIME 2039

NO. DEPTHS 09  
 SOUNDING 1090  
 BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0					1.7	419	10.35
5.0					2.0	340	10.38
10.0			11.41	0.08	1.2	332	10.04
20.0			4.34	0.04	0.4	334	12.21
30.0			4.07	0.01	0.2	337	12.55
49.0			3.96	0.05	0.1	336	12.71
74.0			3.86	0.03	0.1	335	12.76
98.0			3.79	0.04	0.2	338	11.62
106.0			3.76	0.01	0.2	342	9.87

C-REF-NO 014  
 CONS. NO 006  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-12N  
 LON 079-24-06W

YEAR 1968  
 MONTH 08  
 DAY 19  
 TIME 2156

NO. DEPTHS 07  
 SOUNDING 0730  
 BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	11	17.12	0.00	0.6	261	10.33
5.0			17.04	0.01	0.6	317	10.27
10.0			11.02	0.22	0.9	330	10.58
20.0			5.40	0.02	0.4	339	11.32
30.0			4.32	0.00	0.2	336	11.93
50.0			4.01	0.01	0.3	337	12.06
72.0			3.96	0.00	0.7	338	11.31

C-REF-NO 014  
 CONS. NO 007  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-13-00N  
 LON 079-23-56W

YEAR 1968  
 MONTH 08  
 DAY 19  
 TIME 2240

NO. DEPTHS 04  
 SOUNDING 0150  
 BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	2.0	11	12.80	0.04	1.6	283	10.11
5.0			9.55	0.03	1.2	329	9.98
10.0			8.38	0.03	0.9	339	9.65
14.0			7.57	0.03	0.6	342	9.68

C-REF-NO 014  
 CONS. NO 008  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-42N  
 LON 079-06-00W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 0041

NO. DEPTHS 03  
 SOUNDING 0085  
 BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			19.87	0.01	1.1	289	9.88
5.0			17.19	0.13	1.1	321	9.35
7.0			7.24	0.01	0.9	324	9.13

C-REF-NO 014  
 CONS. NO 009  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-02N  
 LON 079-06-06W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 0147

NO. DEPTHS 09  
 SOUNDING 1240  
 BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.95	0.00	0.7	265	9.58
5.0			18.16	0.15	0.9	312	9.62
10.0			7.35	0.11	0.6	334	10.60
19.0			5.25	0.04	0.2	339	11.64
29.0			4.48	0.01	0.4	339	12.58
48.0			4.00	0.05	0.2	337	12.68
71.0			3.89	0.02	0.3	338	12.52
95.0			3.77	0.02	0.3	338	12.34
117.0			3.74	0.01			

C-REF-NO 014  
 CONS. NO 010  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-36N  
 LON 079-05-48W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 0257

NO. DEPTHS 09  
 SOUNDING 1280  
 BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			17.35	0.00	2.0	274	10.74
5.0			17.40	0.03	2.1	289	10.12
10.0			17.40	0.01	1.8	291	10.46
20.0			5.50	0.05	0.5	298	11.00
30.0			4.07	0.02	0.2	300	12.98
50.0			4.04	0.04	0.2	298	13.35
75.0			3.91	0.02	0.3	304	14.82
100.0			3.81	0.01	0.2	302	14.22
127.0			3.77	0.03	4.6	303	13.09

C-REF-NO 014  
 CONS. NO 011  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-26N  
 LON 079-05-54W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 0419

NO. DEPTHS 07  
 SOUNDING 0680  
 BT SLIDE NO 011

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			16.64	0.01	0.7	290	12.76
5.0			16.62	0.04	0.8	284	13.19
10.0			15.87	0.00	0.7	295	13.30
20.0			10.67	0.05	0.3	317	8.97
30.0			6.44	0.01	0.1	295	11.37
49.0			5.34	0.01	0.2	295	11.77
66.0			5.31	0.06	0.8	290	12.38

C-REF-NO 014  
 CONS. NO 012  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-51-00N  
 LON 078-48-00W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 0625

NO. DEPTHS 04  
 SOUNDING 0213  
 BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			17.15	0.05	0.5	288	10.19
5.0			17.12	0.01	0.6	293	10.09
10.0			17.10	0.00	0.7	280	10.20
20.0			15.89	0.01	1.1	289	10.23

C-REF-NO 014  
 CONS. NO 013  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 078-48-00W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 0730

NO. DEPTHS 08  
 SOUNDING 0990  
 BT SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			17.48	0.02	1.6	276	9.78
5.0			17.46	0.00	1.5	305	9.60
10.0			17.22	0.03	1.3	317	9.55
20.0			5.95	0.03	0.2	338	10.42
30.0			4.66	0.01	0.1	335	11.78
50.0			4.05	0.04	0.1	336	12.16
75.0			3.99	0.06	0.1	338	12.19
98.0			3.99	0.01	0.1	337	12.50

C-REF-NO 014  
 CONS. NO 014  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-30N  
 LON 078-48-00W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 0856

NO. DEPTHS 09  
 SOUNDING 1500  
 BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			17.23	0.02	1.5	293	9.65
5.0			17.20	0.02	1.3	316	9.56
10.0			17.23	0.04	1.4	316	9.64
20.0			7.98	0.00	0.4	331	10.83
30.0			4.52	0.04	0.1	335	12.40
49.0			4.06	0.00	0.1	335	12.55
74.0			4.02	0.04	0.2	342	12.56
98.0			3.86	0.05	0.1	338	12.80
147.0			3.73	0.02	16.0	337	11.88

C-REF-NO 014  
 CONS. NO 015  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 078-48-00W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 1015

NO. DEPTHS 09  
 SOUNDING 1310  
 BT SLIDE NO 015

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.00	0.01	0.7	282	9.28
5.0			17.95	0.01	0.5	315	9.25
10.0			12.57	0.39	0.6	330	9.58
20.0			5.53	0.02	0.3	337	11.86
30.0			4.64	0.00			12.53
49.0			3.99	0.01	0.1	335	12.83
74.0			3.90	0.01	0.8	333	12.85
98.0			3.87	0.05	0.1	334	12.89
128.0			3.73	0.02	0.9	336	12.43

C-REF-NO 014  
 CONS. NO 016  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-21-48N  
 LON 078-48-00W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 1103

NO. DEPTHS 07  
 SOUNDING 0620  
 BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.5	10	7.26	0.06	0.6	303	10.59
5.0			6.78	0.01	0.5	323	10.89
10.0			4.66	0.00	0.5	329	11.49
20.0			4.06	0.01	0.3	330	12.46
30.0			3.98	0.01	0.2	329	12.52
49.0			4.00	0.05	0.3	329	11.89
60.0			4.00	0.03	0.5	335	11.44

C-REF-NO 014  
 CONS. NO 017  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 078-30-00W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 1229

NO. DEPTHS 09  
 SOUNDING 1207  
 BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	2.0	9	16.21	0.01	0.6	285	9.40
5.0			11.98	0.04	0.6	323	9.61
10.0			5.00	0.05	0.4	338	10.89
20.0			4.11	0.02	0.2	335	12.20
30.0			4.05	0.01	0.2	338	12.31
50.0			4.07	0.00	0.1	335	12.40
75.0			3.87	0.03	0.1	337	12.49
100.0			3.87	0.07	0.2	342	11.19
111.0			3.84	0.00	0.7	342	10.83

C-REF-NO 014  
 CONS. NO 018  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-23-24N  
 LON 078-30-24W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 1316

NO. DEPTHS 02  
 SOUNDING 0320  
 BT SLIDE NO 018

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
8.0			4.82	0.03			
23.0			4.11	0.08			

C-REF-NO 014  
 CONS. NO 019  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-24-24N  
 LON 078-30-08W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 1356

NO. DEPTHS 02  
 SOUNDING 0630  
 BT SLIDE NO 019

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
8.0			8.87	0.09			
25.0			4.13	0.04			

C-REF-NO 014  
 CONS. NO 020  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-25-12N  
 LON 078-30-00W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 1421

NO. DEPTHS 04  
 SOUNDING 0840  
 BT SLIDE NO 020

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
8.0			10.23	0.01			
15.0			4.10	0.03			
27.0			4.14	0.08			
45.0			3.93	0.00			

C-REF-NO 014  
 CONS. NO 021  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-42N  
 LON 078-30-48W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 1447

NO. DEPTHS 03  
 SOUNDING 1350  
 BT SLIDE NO 021

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
13.0			5.76	0.04			
33.0			4.52	0.09			
64.0			3.97	0.01			

C-REF-NO 014  
 CONS. NO 022  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-29-24N  
 LON 078-31-02W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 1524

NO. DEPTHS 02  
 SOUNDING 1760  
 BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
10.0			19.64	0.03			
37.0			4.48	0.01			

C-REF-NO 014  
 CONS. NO 023  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-24-18N  
 LON 078-31-36W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 1637

NO. DEPTHS 02  
 SOUNDING 0620  
 BT SLIDE NO 023

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
8.0			10.40	0.04			
28.0			4.25	0.08			

C-REF-NO 014  
 CONS. NO 024  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-39N  
 LON 078-30-00W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 1817

NO. DEPTHS 10  
 SOUNDING 1660  
 BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	2.5	9			0.8	271	9.57
5.0			19.53	0.01	0.8	276	9.81
10.0			18.12	0.01	1.2	290	9.33
20.0			7.08	0.02	0.4	297	11.40
30.0			4.91	0.02	0.1	294	12.33
50.0			4.04	0.02	0.1	329	12.68
75.0			3.99	0.02	0.1	305	12.76
100.0			3.91	0.04	0.1	303	12.85
150.0			3.74	0.00	0.1	301	12.26
164.0			3.75	0.06	0.5	308	11.59



C-REF-NO 014  
 CONS. NO 025  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 078-30-00W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 1936

NO. DEPTHS 08  
 SOUNDING 1050  
 BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	2.0	10	18.14	0.02	1.3	312	9.73
5.0			18.08	0.03	1.3	319	9.73
10.0			17.86	0.03	1.4	319	9.63
20.0			7.02	0.01	0.3	331	11.53
30.0			4.23	0.05	0.2	334	12.47
50.0			4.01	0.01	0.1	333	12.60
75.0			3.83	0.06	0.1	333	12.85
104.0			3.77	0.03	0.2	337	11.92

C-REF-NO 014  
 CONS. NO 026  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 078-30-00W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 2051

NO. DEPTHS 06  
 SOUNDING 0340  
 BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.0	10	18.92	0.00	0.4	320	9.17
5.0			18.89	0.03	0.4	321	9.18
10.0			18.46	0.02	0.4	321	9.06
20.0			16.37	0.03	0.3	308	7.86
30.0			11.81	0.01	0.1	333	8.54
33.0			9.83	0.01	0.2	337	8.78

C-REF-NO 014  
 CONS. NO 027  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-56-17N  
 LON 078-12-00W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 2237

NO. DEPTHS 04  
 SOUNDING 0180  
 BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	9	19.39	0.01	0.6	321	9.36
5.0			19.42	0.01	0.5	320	9.40
10.0			18.09	0.00	0.5	322	8.98
15.0			17.90	0.01	0.4	324	8.95

C-REF-NO 014  
 CONS. NO 028  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-02N  
 LON 078-12-00W

YEAR 1968  
 MONTH 08  
 DAY 20  
 TIME 2319

NO. DEPTHS 07  
 SOUNDING 0543  
 BT SLIDE NO 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	8	19.86	0.00	0.5	320	9.44
5.0			19.84	0.02	0.5	318	9.46
9.0			19.05	0.04	0.6	320	9.03
19.0			12.59	0.05	0.6	335	8.53
28.0			7.25	0.00	0.2	339	9.77
47.0			4.96	0.01	0.6	340	10.74
51.0			4.95	0.03	0.3	339	10.74

C-REF-NO 014  
 CONS. NO 029  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 078-12-00W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 0032

NO. DEPTHS 09  
 SOUNDING 1311  
 BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.54	0.01	0.7	322	9.47
5.0			18.55	0.02	0.9	321	9.35
10.0			18.40	0.00	0.9	321	9.37
20.0			8.36	0.01	0.6	336	10.59
29.0			4.81	0.01	0.2	337	12.23
49.0			3.90	0.04			12.92
73.0			3.84	0.01	0.1	335	12.86
98.0			3.79	0.07	0.1	340	12.19
127.0			3.79	0.08	25.0	337	11.62

C-REF-NO 014  
 CONS. NO 030  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-42N  
 LON 078-12-00W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 0145

NO. DEPTHS 10  
 SOUNDING 1914  
 BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.48	0.01	1.1	291	9.67
5.0					1.2	315	9.70
10.0			18.35	0.02	1.0	319	9.56
20.0			9.90	0.01	0.4	330	9.95
30.0			5.79	0.04	0.1	334	11.76
50.0			4.14	0.01	0.1	336	12.90
74.0			3.89	0.02	0.0	337	12.80
99.0			3.84	0.01	0.0	336	12.89
149.0			3.76	0.08	0.0	337	12.91
188.0			3.69	0.02	4.4	340	11.26

C-REF-NO 014  
 CONS. NO 031  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 078-12-08W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 0259

NO. DEPTHS 08  
 SOUNDING 0817  
 BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0			20.34	0.01	0.7	293	9.91
5.0			20.32	0.01	0.7	288	10.08
10.0			7.47	0.00	0.4	289	10.63
20.0			4.12	0.01	0.1	296	12.58
30.0			4.07	0.02	0.1	307	12.84
49.0			3.95	0.00	0.1	314	12.92
74.0			4.01	0.03	0.1	298	13.04
81.0			4.01	0.02	27.0	296	12.43

C-REF-NO 014  
 CONS. NO 032  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 077-54-00W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 0449

NO. DEPTHS 09  
 SOUNDING 1190  
 BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0			20.66	0.01	0.5	278	9.94
5.0			20.66	0.01	0.6	278	10.39
10.0			20.65	0.01	0.6	285	10.00
20.0			6.53	0.01	0.3	310	12.01
30.0			5.24	0.02	0.2	295	12.50
49.0			4.28	0.03	0.1	311	12.84
74.0			3.94	0.00	0.1	294	13.97
98.0			3.93	0.03	0.1	297	12.69
116.0			3.92	0.01	0.5	287	13.58

C-REF-NO 014  
 CONS. NO 033  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-42N  
 LON 077-54-00W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 0603

NO. DEPTHS 10  
 SOUNDING 1820  
 BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0			18.88	0.03	0.8	276	9.32
5.0			18.87	0.01	0.8	279	9.33
10.0			18.85	0.02	1.0	277	9.33
20.0			6.46	0.03	0.3	302	10.64
30.0			4.71	0.00	0.2	302	12.41
50.0			4.09	0.02	0.1	303	12.78
75.0			3.92	0.01	0.1	302	12.84
100.0			3.86	0.03	0.1	296	12.94
150.0			3.79	0.02	0.1	309	12.97
181.0			3.68	0.02	14.0	304	11.68

C-REF-NO 014  
 CONS. NO 034  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 077-54-00W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 0720

NO. DEPTHS 09  
 SOUNDING 1320  
 BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			19.20	0.01	1.1	269	9.21
5.0			19.21	0.02	0.8	312	9.13
10.0			19.20	0.01	0.9	316	9.21
20.0			5.90	0.04	0.2	331	11.00
30.0			4.69	0.00	0.1	332	12.29
49.0			3.92	0.01	0.2	330	12.93
64.0			3.88	0.01	0.1	332	12.93
98.0			3.81	0.08	0.0	332	12.84
129.0			3.74	0.00	7.1	332	11.44

C-REF-NO 014  
 CONS. NO 035  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 077-54-00W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 0835

NO. DEPTHS 07  
 SOUNDING 0600  
 BT SLIDE NO 035

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			19.56	0.02	0.4	329	9.09
5.0			19.53	0.00	0.2	323	9.09
10.0			19.56	0.01	0.2	321	9.06
20.0			10.17	0.01	0.2	333	8.92
30.0			5.70	0.07	0.1	344	10.62
50.0			4.34	0.02	0.2	337	11.53
59.0			4.22	0.02	0.2	340	11.52

C-REF-NO 014  
 CONS. NO 036  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-56-18N  
 LON 077-54-00W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 0920

NO. DEPTHS 06  
 SOUNDING 0360  
 BT SLIDE NO 036

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			19.05	0.02	0.4	321	9.17
5.0			19.04	0.01	0.5	322	9.18
10.0			19.06	0.03	0.3	321	9.15
20.0			16.10	0.01	0.2	329	8.47
30.0			10.81	0.04	0.3	334	8.59
35.0			7.60	0.00	0.2	339	9.39

C-REF-NO 014  
 CONS. NO 037  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-56-18N  
 LON 077-36-00W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 1053

NO. DEPTHS 04  
 SOUNDING 0200  
 BT SLIDE NO 037

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	5.0	8	19.71	0.03	0.2	318	9.03
5.0			19.68	0.00	0.3	316	9.04
10.0			19.71	0.03	0.3	318	9.04
19.0			15.66	0.00	0.2	304	8.36

C-REF-NO 014  
 CONS. NO 038  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 077-36-00W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 1133

NO. DEPTHS 06  
 SOUNDING 0470  
 BT SLIDE NO 038

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	10	19.38	0.03	0.2	323	8.97
5.0			19.34	0.00	0.3	321	8.03
10.0			19.35	0.03	0.2	323	8.80
20.0			15.64	0.05	0.2	327	7.53
30.0			8.68	0.06	0.1	338	8.97
45.0			6.55	0.03	0.2	339	9.88

C-REF-NO 014  
 CONS. NO 039  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 077-36-00W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 1240

NO. DEPTHS 07  
 SOUNDING 0740  
 BT SLIDE NO 039

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.0	8	19.33	0.05	0.2	320	9.10
5.0			19.39	0.02	0.2	323	9.10
10.0			19.33	0.03	0.2	323	9.10
20.0			15.11	0.03	0.2	328	8.49
30.0			6.08	0.03	0.1	339	10.82
50.0			3.97	0.03	0.1	339	12.26
73.0			3.89	0.03	0.1	340	12.03

C-REF-NO 014  
 CONS. NO 040  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-48N  
 LON 077-36-00W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 1350

NO. DEPTHS 10  
 SOUNDING 1670  
 BT SLIDE NO 040

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.5	8	19.51	0.03	0.2	296	9.04
5.0			19.49	0.02	0.2	317	9.13
10.0			19.45	0.06	0.3	319	9.10
20.0			8.91	0.01	0.1	331	10.01
30.0			5.12	0.03	0.1	334	11.94
50.0			4.22	0.01	0.1	337	12.65
75.0			4.02	0.00	0.1	339	12.80
100.0			3.89	0.04	0.0	337	12.76
150.0			3.75	0.00	0.1	339	12.26
166.0			3.75	0.00	0.1	341	12.09

C-REF-NO 014  
 CONS. NO 041  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 077-36-00W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 1513

NO. DEPTHS 10  
 SOUNDING 1560  
 BT SLIDE NO 041

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	2.0	9	20.27	0.00	0.4	286	11.12
5.0			20.20	0.01	0.6	279	10.65
10.0			20.15	0.07	0.5	286	11.31
20.0			7.33	0.05	0.3	304	10.60
30.0			4.98	0.04	0.1	304	13.44
50.0			4.20	0.02	0.1	294	13.19
75.0			3.96	0.00	0.0	306	13.01
100.0			3.90	0.02	0.1	308	13.28
150.0			3.73	0.00	0.1	294	10.83
154.0			3.75	0.01	0.3	309	13.65

C-REF-NO 014  
 CONS. NO 042  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-18N  
 LON 077-36-00W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 1630

NO. DEPTHS 04  
 SOUNDING 0170  
 BT SLIDE NO 042

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.5	10	20.92	0.00	0.3	266	11.96
5.0			20.85	0.06	0.4	267	10.16
10.0			20.65	0.00	0.3	259	7.67
16.0			20.26	0.01	0.6	270	9.82

C-REF-NO 014  
 CONS. NO 043  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-21N  
 LON 077-17-42W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 1758

NO. DEPTHS 03  
 SOUNDING 0120  
 BT SLIDE NO 043

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	2.5	9	20.85	0.07	0.5	279	10.20
5.0			20.89	0.00	0.6	287	9.77
11.0			20.72	0.01	0.8	287	10.35

C-REF-NO 014  
 CONS. NO 044  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 077-18-00W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 1910

NO. DEPTHS 11  
 SOUNDING 2120  
 BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	2.5	10	20.64	0.02	0.5	267	9.39
5.0			20.62	0.01	0.5	282	9.36
10.0			20.41	0.05	0.8	290	9.23
20.0			16.63	0.12	0.4	287	8.46
29.0			5.30	0.03	0.3	302	12.04
49.0			4.40	0.01	0.2	282	12.59
74.0			4.02	0.00	0.1	316	12.78
98.0			3.93	0.02	0.0	331	12.78
147.0			3.83	0.05	0.0	332	12.87
196.0			3.71		0.1	334	12.39
209.0			3.76	0.03		339	12.71

C-REF-NO 014  
 CONS. NO 045  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-42N  
 LON 077-18-18W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 2059

NO. DEPTHS 10  
 SOUNDING 1640  
 BT SLIDE NO 045

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	5.0	10	19.81	0.02	0.3	320	9.44
5.0			19.83	0.03	0.3	319	9.42
10.0			19.74	0.02	0.3	320	9.35
20.0			7.91	0.04	0.1	332	10.33
30.0			5.14	0.02	0.1	332	11.98
50.0			4.23	0.01	0.0	335	12.65
75.0			3.87	0.02	0.0	337	12.87
100.0			3.82	0.01	0.0	334	12.91
149.0			3.72	0.07	0.0	336	12.32
162.0			3.71	0.02	37.0	337	11.34

C-REF-NO 014  
 CONS. NO 046  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-24N  
 LON 077-18-00W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 2206

NO. DEPTHS 08  
 SOUNDING 0890  
 BT SLIDE NO 046

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	10	19.54	0.02	0.2	323	9.40
5.0			19.56	0.02	0.2	320	9.37
10.0			19.20	0.03	0.1	322	9.10
20.0			13.24	0.01	0.1	328	8.06
30.0			7.22	0.08	0.0	336	10.70
50.0			4.06	0.01	0.0	338	12.61
75.0			3.79	0.02	0.0	337	12.17
88.0			3.78	0.00	0.1	338	11.79

C-REF-NO 014  
 CONS. NO 047  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 077-18-00W

YEAR 1968  
 MONTH 08  
 DAY 21  
 TIME 2325

NO. DEPTHS 05  
 SOUNDING 0270  
 BT SLIDE NO 047

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	10	20.04	0.00	0.3	318	9.28
5.0			20.07	0.04	0.2	318	9.33
10.0			19.90	0.01	0.3	320	9.18
20.0			10.13	0.00	0.1	335	8.95
27.0			8.42	0.06	0.2	338	9.40

C-REF-NO 014  
 CONS. NO 048  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 077-00-00W

YEAR 1968  
 MONTH 08  
 DAY 22  
 TIME 0058

NO. DEPTHS 04  
 SOUNDING 0190  
 BT SLIDE NO 048

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			20.18	0.02	0.3	287	9.34
5.0			18.45	0.07	0.2	312	7.71
10.0			15.49	0.02	0.1	326	8.07
18.0			10.00	0.01	0.2	341	7.89



C-REF-NO 014  
 CONS. NO 049  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 077-00-00W

YEAR 1968  
 MONTH 08  
 DAY 22  
 TIME 0205

NO. DEPTHS 08  
 SOUNDING 0940  
 BT SLIDE NO 049

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			20.51	0.02	0.3	292	9.12
5.0			20.48	0.07	0.2	312	9.18
10.0			20.54	0.00	0.2	315	9.13
20.0			15.65	0.03	0.1	325	7.71
30.0			6.20	0.01	0.1	336	11.40
50.0			4.10	0.04	0.0	341	12.68
75.0			3.85	0.04	0.1	338	12.31
93.0			3.84	0.01	0.6	339	11.56

C-REF-NO 014  
 CONS. NO 050  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-48N  
 LON 077-00-00W

YEAR 1968  
 MONTH 08  
 DAY 22  
 TIME 0415

NO. DEPTHS 10  
 SOUNDING 1993  
 BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			20.31	0.02	1.3	290	12.23
5.0			20.31	0.02	0.2	286	11.23
10.0			20.25	0.04	0.2	288	12.35
20.0			14.73	0.01	0.3	288	10.95
30.0			5.64	0.05	0.1	297	12.73
50.0			4.35	0.00	0.1	303	13.50
75.0			3.92	0.01	0.1	304	12.20
100.0			3.83	0.01	0.1	301	13.30
150.0			3.79	0.07	0.1	308	13.19
198.0			3.75		25.0	317	11.50

C-REF-NO 014  
 CONS. NO 051  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 077-00-00W

YEAR 1968  
 MONTH 08  
 DAY 22  
 TIME 0535

NO. DEPTHS 11  
 SOUNDING 2100  
 BT SLIDE NO 051

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			20.68	0.00	0.3	284	9.46
5.0			20.70	0.01	0.5	268	9.53
10.0			20.71	0.01	0.3	278	9.51
20.0			14.78	0.17	0.3	277	9.13
30.0			5.56	0.03	0.1	306	12.49
50.0			4.48	0.04	0.1	288	12.96
75.0			4.11	0.00	0.1	306	13.38
100.0			3.88	0.02	0.1	297	13.27
150.0			3.81	0.00	0.1	304	12.64
200.0			3.73	0.03	0.8	297	14.19
209.0			3.70	0.01	75.0	301	12.38

C-REF-NO 014  
 CONS. NO 052  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-42N  
 LON 077-00-00W

YEAR 1968  
 MONTH 08  
 DAY 22  
 TIME 0650

NO. DEPTHS 04  
 SOUNDING 0200  
 BT SLIDE NO 052

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			20.90	0.05	0.2	292	9.42
5.0			20.94	0.00	0.3	282	9.44
10.0			20.83	0.04	0.3	297	9.35
19.0			20.57	0.01	0.3	273	9.01

C-REF-NO 014  
 CONS. NO 053  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 076-42-00W

YEAR 1968  
 MONTH 08  
 DAY 22  
 TIME 0838

NO. DEPTHS 07  
 SOUNDING 0680  
 BT SLIDE NO 053

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			19.98	0.01	0.4	326	9.63
5.0			20.00	0.01	0.4	326	9.66
10.0			19.65	0.03	0.4	329	9.58
20.0			8.09	0.03	0.1	332	10.77
30.0			4.74	0.04	0.1	329	12.26
50.0			3.99	0.00	0.2	330	12.17
67.0			4.01	0.02	1.7	339	11.75

C-REF-NO 014  
 CONS. NO 054  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-39N  
 LON 076-42-00W

YEAR 1968  
 MONTH 08  
 DAY 22  
 TIME 0952

NO. DEPTHS 10  
 SOUNDING 2030  
 BT SLIDE NO 054

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			20.23	0.00	0.3	321	8.95
5.0			20.25	0.01	0.3	319	8.95
10.0			20.25	0.03	0.3	319	8.95
20.0			20.15	0.00	0.3	319	8.99
30.0			7.01	0.05	0.2	336	11.16
50.0			4.62	0.00	0.1	334	12.42
75.0			4.08	0.02	0.1	334	12.70
100.0			3.90	0.00	0.0	334	12.81
149.0			3.80	0.05	0.0	334	12.85
200.0			3.72	0.02	15.0	335	12.16

C-REF-NO 014  
 CONS. NO 055  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 076-42-00W

YEAR 1968  
 MONTH 08  
 DAY 22  
 TIME 1116

NO. DEPTHS 08  
 SOUNDING 1040  
 BT SLIDE NO 055

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.5	10	20.18	0.01	0.3	322	9.00
5.0			20.21	0.03	0.2	323	9.03
10.0			20.19	0.05	0.2	318	8.98
19.0			9.98	0.02	0.1	332	9.95
29.0			5.40	0.04	0.1	336	11.64
48.0			4.00	0.00	0.0	339	12.59
72.0			3.84	0.01	0.1	337	12.61
98.0			3.85	0.00	1.1	341	10.61

C-REF-NO 014  
 CONS. NO 056  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 076-42-00W

YEAR 1968  
 MONTH 08  
 DAY 22  
 TIME 1241

NO. DEPTHS 06  
 SOUNDING 0400  
 BT SLIDE NO 056

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.0	9	20.52	0.04	0.2	276	8.80
5.0			20.49	0.03	0.2	276	8.80
10.0			20.49	0.00	0.2	317	8.80
20.0			19.79	0.05	0.2	319	8.68
30.0			12.20	0.05	0.1	337	10.31
38.0			5.33	0.00	0.4	341	6.79

C-REF-NO 014  
 CONS. NO 057  
 COUNTRY 18  
 INSTITUTE 22

LAT 44-00-36N  
 LON 076-48-00W

YEAR 1968  
 MONTH 08  
 DAY 22  
 TIME 1408

NO. DEPTHS 05  
 SOUNDING 0310  
 BT SLIDE NO 057

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.0	10	20.25	0.05	0.2	284	9.10
5.0			20.24	0.00	0.1	302	9.10
10.0			19.96	0.02	0.2	319	8.86
20.0			16.77	0.07	0.1	331	6.79
30.0			11.91	0.01	0.2	394	5.74

C-REF-NO 014  
 CONS. NO 058  
 COUNTRY 18  
 INSTITUTE 22

LAT 44-09-18N  
 LON 076-36-00W

YEAR 1968  
 MONTH 08  
 DAY 22  
 TIME 1555

NO. DEPTHS 04  
 SOUNDING 0190  
 BT SLIDE NO 058

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.0	11	20.23	0.01	0.2	269	9.46
5.0			20.25	0.00	0.2	280	9.43
10.0			20.25	0.00	0.2	281	9.60
18.0			19.35	0.00	0.2	284	8.08

C-REF-NO 014  
 CONS. NO 059  
 COUNTRY 18  
 INSTITUTE 22

LAT 44-06-00N  
 LON 076-30-00W

YEAR 1968  
 MONTH 08  
 DAY 22  
 TIME 1713

NO. DEPTHS 05  
 SOUNDING 0270  
 BT SLIDE NO 059

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.5	9	20.39	0.04	0.2	270	9.59
5.0			20.39	0.00	0.2	257	9.66
10.0			20.38	0.03	0.2	269	7.21
20.0			13.91	0.03	0.2	301	9.50
26.0			6.96	0.02	0.5	298	8.70

C-REF-NO 014  
 CONS. NO 060  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-56-18N  
 LON 076-12-00W

YEAR 1968  
 MONTH 08  
 DAY 22  
 TIME 1913

NO. DEPTHS 04  
 SOUNDING 0220  
 BT SLIDE NO 060

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.0	10	21.37	0.01	0.3	252	7.79
5.0			21.31	0.06	0.4	308	7.85
10.0			21.31	0.01	0.4	309	7.70
21.0			7.83	0.11	0.5	335	9.05

C-REF-NO 014  
 CONS. NO 061  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 076-24-00W

YEAR 1968  
 MONTH 08  
 DAY 22  
 TIME 2044

NO. DEPTHS 04  
 SOUNDING 0180  
 BT SLIDE NO 061

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	10	20.45	0.00	0.2	251	8.82
5.0			20.47	0.03	0.2	300	8.83
10.0			20.43	0.01	0.2	314	8.79
17.0			20.39	0.00	0.2	315	8.75

C-REF-NO 014  
 CONS. NO 062  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-24N  
 LON 076-24-00W

YEAR 1968  
 MONTH 08  
 DAY 22  
 TIME 2210

NO. DEPTHS 07  
 SOUNDING 0560  
 BT SLIDE NO 062

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.5		20.31	0.08	0.5	258	9.43
5.0			20.36	0.00	0.4	306	9.41
10.0			20.33	0.05	0.4	312	9.28
19.0			20.06	0.01	0.3	316	8.75
29.0			7.10	0.09	0.2	343	11.01
48.0			4.41	0.02	0.6	344	11.23
53.0			4.40	0.01	110.0	343	9.50

C-REF-NO 014  
 CONS. NO 063  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-42N  
 LON 076-24-00W

YEAR 1968  
 MONTH 08  
 DAY 22  
 TIME 2331

NO. DEPTHS 07  
 SOUNDING 0680  
 BT SLIDE NO 063

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.5	10	20.66	0.06	0.4	266	9.34
5.0			20.72	0.02	0.4	308	9.35
10.0			20.65	0.06	0.5	313	9.31
20.0			20.46	0.01	0.2	316	9.55
30.0			6.24	0.01	0.1	339	11.43
50.0			4.31	0.03	0.3	342	11.94
67.0			4.26	0.01	1.5	343	11.19

**CRUISE 68 - 016**

C-REF-NO 016  
 CONS. NO 001  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-18N  
 LON 079-42-00W

YEAR 1968  
 MONTH 09  
 DAY 08  
 TIME 2014

NO. DEPTHS 05  
 SOUNDING 0290  
 BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	3.0	10	16.50	0.04	1.0	318	9.94
5.0			15.42	0.04	0.9	329	8.85
10.0			12.02	0.00	0.8	328	7.94
20.0			6.27	0.02	0.4	343	9.13
28.0			5.67	0.01	4.0	342	9.12

C-REF-NO 016  
 CONS. NO 002  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-21-42N  
 LON 079-42-00W

YEAR 1968  
 MONTH 09  
 DAY 08  
 TIME 2112

NO. DEPTHS 05  
 SOUNDING 0310  
 BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	3.5	10	16.51	0.07	1.9	307	9.67
5.0			13.50	0.07	0.3	332	9.18
10.0			11.39	0.00	0.3	332	8.93
20.0			8.86	0.07	0.5	333	9.55
30.0			5.77		0.7		10.28

C-REF-NO 016  
 CONS. NO 003  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-30-18N  
 LON 079-35-30W

YEAR 1968  
 MONTH 09  
 DAY 08  
 TIME 2241

NO. DEPTHS 03  
 SOUNDING 0120  
 BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0	3.0	11	17.01	0.00	0.5	289	10.75
5.0			13.33	0.01	0.5	326	9.69
10.0			12.36	0.09	0.7	334	9.51

C-REF-NO 016  
 CONS. NO 004  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-24N  
 LON 079-24-00W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 0008

NO. DEPTHS 07  
 SOUNDING 0670  
 BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			16.90	0.02	0.7	295	10.08
5.0			16.10	0.03	0.4	311	9.94
10.0			13.23	0.01	0.2	257	9.27
20.0			7.61	0.05	0.3	311	10.13
30.0			5.61	0.02	0.1	325	10.89
50.0			4.45	0.00	0.1	325	10.46
66.0			5.36	0.01	0.3	313	10.56

C-REF-NO 016  
 CONS. NO 005  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 079-24-00W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 0209

NO. DEPTHS 09  
 SOUNDING 1090  
 BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			17.08	0.03	0.2	285	10.05
5.0			17.09	0.02	0.3	271	9.67
10.0			13.22	0.08	0.3	308	9.15
20.0			5.44	0.03	0.4	304	10.51
30.0			4.08	0.04	0.1	312	12.35
50.0			4.09	0.01	0.1	308	14.24
75.0			3.90	0.01	0.1	302	13.12
100.0			3.82	0.08	0.1	312	10.01
107.0			3.78	0.01	0.3	299	10.86

C-REF-NO 016  
 CONS. NO 006  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-12N  
 LON 079-24-00W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 0338

NO. DEPTHS 07  
 SOUNDING 0786  
 BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.49	0.03	0.4	317	9.55
5.0			18.49	0.01	0.4	319	9.57
10.0			18.18	0.00	0.4	306	9.39
20.0			7.83	0.04	0.2	339	9.11
30.0			5.67	0.00	0.2	340	10.03
50.0			4.27	0.00	0.3	331	11.11
76.0			4.22	0.01	0.8	336	11.03



C-REF-NO 016  
 CONS. NO 007  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-13-00N  
 LON 079-24-00W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 0437

NO. DEPTHS 04  
 SOUNDING 0175  
 BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.70	0.04	1.7	323	8.36
5.0			11.69	0.25	0.8	329	8.11
10.0			6.89	0.05	0.3	332	9.09
16.0			6.40	0.07	0.2	332	9.34

C-REF-NO 016  
 CONS. NO 008  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-42N  
 LON 079-06-00W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 0631

NO. DEPTHS 03  
 SOUNDING 0085  
 BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			20.62	0.06	1.3	325	8.93
5.0			20.49	0.00	1.0		9.01
7.0			20.20	0.04	0.8	323	9.02

C-REF-NO 016  
 CONS. NO 009  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 079-06-00W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 0749

NO. DEPTHS 09  
 SOUNDING 1240  
 BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0					0.5	281	9.85
5.0			17.32	0.01	0.4	320	9.88
10.0			17.25	0.01	0.4	320	9.78
20.0			6.37	0.02	0.2	335	10.59
30.0			4.61	0.01	0.2	335	12.10
50.0			4.03	0.05	0.1		12.50
75.0			3.86	0.03	0.1	333	12.65
100.0			3.74	0.02	0.5	335	12.19
122.0			3.79	0.06	175.0	340	10.43

C-REF-NO 016  
 CONS. NO 010  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-37-42N  
 LON 079-06-00W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 0917

NO. DEPTHS 09  
 SOUNDING 1286  
 BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.08	0.02	1.0	266	9.38
5.0			18.08	0.01	0.4	311	9.44
10.0			12.59	0.01	0.3	328	8.98
20.0			5.06	0.04	0.1	337	11.30
30.0			4.43	0.02	0.1	341	11.82
49.0			4.01	0.04	0.1	337	12.41
74.0			3.95	0.01	0.1	339	12.59
99.0			3.83	0.02	0.1	342	12.72
125.0			3.78	0.02	4.5	341	11.92

C-REF-NO 016  
 CONS. NO 011  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 079-05-42W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 1041

NO. DEPTHS 07  
 SOUNDING 0695  
 BT SLIDE NO 011

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	10	17.44	0.04	0.3	276	9.63
5.0			15.36	0.03	0.2	320	9.39
10.0			11.50	0.09	0.2	334	9.14
20.0			6.12	0.05	0.2	342	10.13
30.0			5.32	0.03	0.1	349	10.55
50.0			4.10	0.03	0.3	341	11.74
68.0			3.94	0.02	0.6	343	12.07

C-REF-NO 016  
 CONS. NO 012  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-51-00N  
 LON 078-48-00W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 1250

NO. DEPTHS 04  
 SOUNDING 0152  
 BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.5	8	17.26	0.02	0.3	301	9.55
5.0			17.24	0.00	0.2	282	9.92
10.0			17.15	0.02	0.3	274	9.71
13.0			16.83	0.05	0.3	281	9.73

C-REF-NO 016  
 CONS. NO 013  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 078-48-00W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 1400

NO. DEPTHS 08  
 SOUNDING 1021  
 BT SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.5	9	17.26	0.03	0.2	309	9.89
5.0			17.21	0.03	0.2	304	10.31
10.0			7.51	0.06	0.2	310	11.09
20.0			4.85	0.05	0.1	311	11.79
30.0			4.18	0.03	0.1	318	11.16
50.0			4.06	0.03	0.1	330	13.30
75.0			3.90	0.01	0.1	278	12.16
100.0			3.84	0.01	152.0	305	12.23

C-REF-NO 016  
 CONS. NO 014  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-30N  
 LON 078-47-36W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 1544

NO. DEPTHS 08  
 SOUNDING 1520  
 BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.0	9	17.34	0.02	0.2	526	9.58
5.0			16.99	0.02	0.3	526	9.57
10.0			16.67	0.02	0.3	321	9.15
20.0			7.25	0.05	0.1	331	10.60
30.0			4.69	0.01	0.1	335	11.91
50.0			3.96	0.02	0.1	331	12.47
100.0			3.87	0.00	0.1	335	12.75
150.0			3.75	0.02	23.0	339	11.34

C-REF-NO 016  
 CONS. NO 015  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 078-48-00W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 1708

NO. DEPTHS 08  
 SOUNDING 1340  
 BT SLIDE NO 015

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	9					9.65
5.0							9.49
10.0			18.08	0.00	0.3	323	9.14
20.0			8.37	0.00	0.2	335	8.69
30.0			5.07	0.03	0.1	323	11.33
50.0			4.21	0.05	0.1	322	12.00
75.0			4.07	0.03	0.0	327	12.29
100.0			3.93	0.02			11.51

C-REF-NO 016  
 CONS. NO 016  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-21-39N  
 LON 078-48-06W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 1828

NO. DEPTHS 06  
 SOUNDING 0530  
 BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	10	19.64	0.07	0.4	321	9.35
5.0			19.41	0.01	0.3	321	9.29
10.0			18.28	0.05	0.3	321	8.79
20.0			7.32	0.01	0.3	336	9.32
30.0			5.58	0.02	0.2	333	10.18
50.0			4.65	0.01	58.0	335	8.31

C-REF-NO 016  
 CONS. NO 017  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 078-30-00W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 2025

NO. DEPTHS 09  
 SOUNDING 1213  
 BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	10	20.24	0.01	5.5	284	9.35
5.0			19.89	0.02	6.2	314	9.42
10.0			19.00	0.05	0.3	322	8.77
19.0			12.35	0.02	0.2	334	8.12
29.0			6.73	0.05	0.2	342	9.58
48.0			4.49	0.00	0.1	342	11.55
73.0			3.99	0.00	0.2	339	11.03
97.0			3.87	0.02	0.2	342	10.55
116.0			3.90	0.01	2.5	343	10.46

C-REF-NO 016  
 CONS. NO 018  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-45N  
 LON 078-32-18W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 2118

NO. DEPTHS 14  
 SOUNDING 1109  
 BT SLIDE NO. 018

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			20.37	0.02			
3.0			20.34	0.03			
5.0			20.04	0.03			
7.0			19.79	0.01			
10.0			19.70	0.00			
15.0			15.87	0.06			
20.0			10.09	0.03			
25.0			7.38	0.03			
30.0			5.83	0.04			
40.0			4.91	0.00			
60.0			4.06	0.01			
80.0			4.15				
100.0			4.16	0.05			
109.0			4.19				

C-REF-NO 016  
 CONS. NO 019  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-24-09N  
 LON 078-33-45W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 2214

NO. DEPTHS 02  
 SOUNDING 0713  
 BT SLIDE NO 019

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
10.0			19.56	0.03			
28.0			4.72	0.02			

C-REF-NO 016  
 CONS. NO 020  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-24-24N  
 LON 078-32-06W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 2245

NO. DEPTHS 02  
 SOUNDING 0719  
 BT SLIDE NO 020

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
16.0			12.66	0.01			
35.0			5.09	0.01			

C-REF-NO 016  
 CONS. NO 021  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-23-54N  
 LON 078-32-06W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 2314

NO. DEPTHS 12  
 SOUNDING 0549  
 BT SLIDE NO 021

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			20.06	0.01			
3.0			20.05	0.03			
5.0			19.85	0.05			
7.0			19.57	0.01			
10.0			19.29	0.03			
15.0			9.76	0.00			
20.0			5.73	0.01			
25.0			5.18				
30.0			4.59	0.03			
40.0			4.28	0.00			
50.0			4.25	0.00			
53.0			4.27				

C-REF-NO 016  
 CONS. NO 022  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-23-42N  
 LON 078-30-30W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 2139

NO. DEPTHS 02  
 SOUNDING 0439  
 BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
12.0			12.56	0.05			
27.0			4.62	0.00			

C-REF-NO 016  
 CONS. NO 023  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-24-30N  
 LON 078-30-30W

YEAR 1968  
 MONTH 09  
 DAY 09  
 TIME 2358

NO. DEPTHS 02  
 SOUNDING 0664  
 BT SLIDE NO 023

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
8.0			19.35	0.03			
25.0			7.29	0.05			

C-REF-NO 016  
 CONS. NO 024  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-25-24N  
 LON 078-30-00W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 0023

NO. DEPTHS 02  
 SOUNDING 0870  
 BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
8.0			12.06	0.03			
24.0			5.21	0.05			

C-REF-NO 016  
 CONS. NO 025  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-48N  
 LON 078-30-48W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 0054

NO. DEPTHS 02  
 SOUNDING 1433  
 BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
10.0			18.66	0.02			
29.0			5.86	0.05			

C-REF-NO 016  
 CONS. NO 026  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-29-30N  
 LON 078-31-00W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 0130

NO. DEPTHS 02  
 SOUNDING 1783  
 BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
8.0			18.89	0.03			
35.0			4.96	0.04			

C-REF-NO 016  
 CONS. NO 027  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-48N  
 LON 078-30-00W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 0247

NO. DEPTHS 10  
 SOUNDING 1722  
 BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W
1.0			18.67	0.01	0.3	310	9.42
5.0			18.67	0.03	0.3	267	9.49
10.0			18.59	0.01	0.4	322	9.30
20.0			5.47	0.01	0.3	280	11.30
30.0			4.72	0.03	0.4	283	12.10
50.0			4.10	0.01	0.4	306	12.65
75.0			3.92	0.04	0.1	335	12.78
100.0			3.86	0.02	0.8	286	12.78
150.0			3.77	0.00	0.0	329	12.46
170.0			3.75	0.04	1.0	334	11.43

C-REF-NO 016  
 CONS. NO 028  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 078-30-00W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 0416

NO. DEPTHS 09  
 SOUNDING 1100  
 BT SLIDE NO 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.32	0.02	0.3	320	9.39
5.0			18.32	0.05	0.4	318	9.46
10.0			18.24	0.01	0.4	317	9.46
20.0			9.73	0.12	0.4	329	9.16
30.0			4.14	0.00	0.1	335	12.09
50.0			4.05	0.01	0.1	331	12.15
75.0			3.89	0.02	0.2	332	12.65
100.0			3.79	0.01	0.1	334	11.78
108.0			3.81	0.00	39.0	333	11.72

C-REF-NO 016  
 CONS. NO 029  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 078-30-00W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 0535

NO. DEPTHS 06  
 SOUNDING 0370  
 BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.33	0.00	0.2	322	9.80
5.0			18.28	0.05	0.3	321	9.82
10.0			17.78	0.02	0.5	324	9.79
20.0			14.26	0.06	0.3	337	9.14
30.0			7.59	0.02	0.1	335	9.61
35.0			9.16	0.02	0.2	337	9.28

C-REF-NO 016  
 CONS. NO 030  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-56-18N  
 LON 078-12-00W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 0734

NO. DEPTHS 04  
 SOUNDING 0155  
 BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.62	0.03	0.3	323	9.73
5.0			18.68	0.02	0.3	320	9.73
10.0			18.62	0.07	0.5	321	9.72
13.0			18.61	0.02	0.3	321	9.72



C-REF-NO 016  
 CONS. NO 031  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 078-12-00W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 0820

NO. DEPTHS 06  
 SOUNDING 0518  
 BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.15	0.00	0.2	290	9.35
5.0			18.17	0.01	0.3	316	9.38
10.0			17.40	0.04	0.2	322	8.96
20.0			11.25	0.02	0.1	337	8.79
30.0			6.16	0.04	0.1	341	10.07
50.0			4.84	0.03	0.2	343	10.62

C-REF-NO 016  
 CONS. NO 032  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 078-12-00W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 0951

NO. DEPTHS 09  
 SOUNDING 1280  
 BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.44	0.02	0.4	290	9.26
5.0			18.49	0.00	0.3	315	9.24
10.0			17.93	0.00	0.2	323	9.13
20.0			5.63	0.04	0.1	334	11.34
30.0			4.10	0.02	0.1	335	12.19
40.0			4.03	0.04	0.1	335	12.33
50.0			3.99	0.02	0.1	336	12.35
75.0			3.92	0.02	0.1	337	12.59
100.0			3.82	0.01	2.2	339	12.28

C-REF-NO 016  
 CONS. NO 033  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-56N  
 LON 078-11-30W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 1128

NO. DEPTHS 11  
 SOUNDING 1908  
 BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	10	18.55	0.01	0.2	275	9.27
5.0			18.56	0.02	0.2	280	9.37
10.0			18.52	0.02	0.3	281	9.28
20.0			6.47	0.01	0.3	304	10.70
29.0			4.92	0.04	0.1	311	12.25
39.0			4.34	0.02	0.1	311	12.46
49.0			3.96	0.02	0.1	327	12.64
73.0			3.87	0.02	0.1	328	12.84
98.0			3.85	0.01	0.7	319	13.45
147.0			3.81	0.01	14.0	330	12.98
186.0			3.70	0.01	5.0	332	13.09

C-REF-NO 016  
 CONS. NO 034  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 078-12-00W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 1251

NO. DEPTHS 07  
 SOUNDING 0810  
 BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.5	9	19.21	0.02	0.2	285	8.90
5.0			19.24	0.02	0.3	250	9.42
10.0			18.42	0.04	0.2	299	8.71
20.0			8.19	0.02	0.5	295	8.76
30.0			5.60	0.02	0.4	301	10.46
50.0			4.13	0.01	0.6	282	11.94
76.0			4.13	0.06	1.7	296	11.26

C-REF-NO 016  
 CONS. NO 035  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 077-54-00W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 1449

NO. DEPTHS 08  
 SOUNDING 1219  
 BT SLIDE NO 035

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.0	8	18.66	0.00	0.2	287	
5.0			18.66	0.03	0.2	312	
10.0			18.60	0.06	0.3	304	9.05
20.0			9.14	0.02	0.4	308	
30.0			4.60	0.04	0.2	318	
50.0			4.10	0.01	0.1	330	12.03
100.0			3.99		0.2	321	11.64
120.0			3.96	0.00	1.5	326	11.52

C-REF-NO 016  
 CONS. NO 036  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-42N  
 LON 077-54-00W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 1623

NO. DEPTHS 10  
 SOUNDING 1890  
 BT SLIDE NO 036

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.64	0.02	0.2	296	9.22
5.0			18.63	0.02	0.2	304	9.22
10.0			18.60	0.06	0.2	317	9.21
20.0			6.19	0.02	0.1	334	10.63
30.0			4.85	0.03	0.2	334	12.01
50.0			4.22	0.03	0.1	334	12.62
75.0			3.90	0.01	0.2	331	12.75
100.0			3.90	0.01	0.2	331	12.81
150.0			3.79	0.03	13.0	332	12.86
187.0			3.73	0.01	66.0	338	11.42

C-REF-NO 016  
 CONS. NO 037  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 077-54-00W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 1744

NO. DEPTHS 09  
 SOUNDING 1353  
 BT SLIDE NO 037

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.5	10	19.00	0.00	0.3	321	9.12
5.0			19.00	0.05	0.3	320	9.12
10.0			18.98	0.02	0.2	319	9.15
20.0			6.40	0.02	0.3	335	10.40
30.0			4.64	0.04	0.1	335	11.73
50.0			4.02	0.04	0.1	331	12.59
75.0			3.90	0.05	0.1	333	12.72
100.0			3.84	0.01	0.1	336	12.72
134.0			3.79	0.04	6.6	336	11.51

C-REF-NO 016  
 CONS. NO 038  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 077-54-00W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 1904

NO. DEPTHS 07  
 SOUNDING 0594  
 BT SLIDE NO 038

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.5	10	18.83	0.02	0.2	321	9.33
5.0			18.85	0.00	0.2	319	9.33
10.0			18.83	0.05	0.2	319	9.36
20.0			11.77	0.02	0.1	334	8.73
30.0			7.92	0.04	0.1	335	9.64
50.0			6.02	0.00	0.2	338	10.28
57.0			5.95	0.02	0.2	336	10.31

C-REF-NO 016  
 CONS. NO 039  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-56-20N  
 LON 077-54-00W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 1958

NO. DEPTHS 06  
 SOUNDING 0384  
 BT SLIDE NO 039

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	11	18.94	0.01	0.2	264	9.36
5.0			18.94	0.02	0.2	310	9.42
10.0			18.94	0.05	0.2	319	9.45
20.0			18.91	0.04	0.2	319	9.38
30.0			16.08	0.02	0.2	324	8.89
36.0			10.35	0.02	0.1	335	8.90

C-REF-NO 016  
 CONS. NO 040  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-56-18N  
 LON 077-35-57W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 2144

NO. DEPTHS 05  
 SOUNDING 0238  
 BT SLIDE NO 040

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	9	19.13	0.04	0.2	286	9.18
5.0			19.13	0.01	0.3	313	9.20
10.0			19.11	0.06	0.2	311	9.21
20.0			19.05	0.00	0.2	320	9.17
23.0			18.84	0.00	0.2	321	9.13

C-REF-NO 016  
 CONS. NO 041  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 077-36-00W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 2235

NO. DEPTHS 06  
 SOUNDING 0488  
 BT SLIDE NO 041

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.0	9	18.82	0.03	0.2	267	9.13
5.0			18.81	0.01	0.2	313	9.13
10.0			18.80	0.06	0.3	317	9.14
20.0			18.60	0.02	0.3	321	8.92
30.0			15.54	0.04	0.2	327	8.52
48.0			7.87	0.04	0.3	337	9.79

C-REF-NO 016  
 CONS. NO 042  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 077-36-00W

YEAR 1968  
 MONTH 09  
 DAY 10  
 TIME 2356

NO. DEPTHS 07  
 SOUNDING 0762  
 BT SLIDE NO 042

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			19.08	0.01	0.2	308	9.08
5.0			19.08	0.04	0.2	307	9.18
10.0			19.06	0.02	0.3	286	9.67
20.0			9.00	0.04	0.2	278	9.79
30.0			5.14	0.03	0.2	308	11.12
50.0			4.02	0.02	0.2	306	12.35
75.0			3.98	0.08	0.4	310	12.55

C-REF-NO 016  
 CONS. NO 043  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-48N  
 LON 077-36-00W

YEAR 1968  
 MONTH 09  
 DAY 11  
 TIME 0129

NO. DEPTHS 09  
 SOUNDING 1783  
 BT SLIDE NO 043

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.74	0.00	0.2	308	9.34
5.0			18.73	0.03	0.2	294	9.05
10.0			18.72	0.01	0.2	283	9.16
20.0			10.22	0.01	0.2	319	9.45
30.0			5.44	0.02	0.1	300	12.92
50.0			4.22	0.01	0.1	317	13.08
100.0			3.88	0.01	0.1	302	13.07
150.0			3.78	0.03	0.1	298	11.64
174.0					55.0	311	13.27

C-REF-NO 016  
 CONS. NO 044  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-25-54N  
 LON 077-36-00W

YEAR 1968  
 MONTH 09  
 DAY 11  
 TIME 0318

NO. DEPTHS 09  
 SOUNDING 1615  
 BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.61	0.03	0.1	304	8.90
5.0			18.62	0.01	0.2	277	8.79
10.0			18.60	0.05	0.2	308	8.90
20.0			17.46	0.08	0.2	307	8.57
30.0			6.03	0.03	0.2	329	10.90
50.0			4.59	0.02	0.1	331	12.31
100.0			3.89	0.02	0.1	330	12.61
150.0			3.78	0.02	0.2	334	10.71
158.0			3.78	0.01	31.0	328	10.62

C-REF-NO 016  
 CONS. NO 045  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-18N  
 LON 077-36-00W

YEAR 1968  
 MONTH 09  
 DAY 11  
 TIME 0434

NO. DEPTHS 04  
 SOUNDING 0189  
 BT SLIDE NO 045

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.78	0.00	0.2	285	8.90
5.0			18.76	0.04	0.2	316	8.90
10.0			10.88	0.09	0.2	334	8.62
17.0			6.56	0.02	0.3	335	10.46

C-REF-NO 016  
 CONS. NO 046  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-18N  
 LON 077-18-00W

YEAR 1968  
 MONTH 09  
 DAY 11  
 TIME 0619

NO. DEPTHS 03  
 SOUNDING 0122  
 BT SLIDE NO 046

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			17.79	0.07	0.2	325	8.47
5.0			12.39	0.03	0.3	331	8.64
10.0			9.66	0.10	0.2	336	9.16

C-REF-NO 016  
 CONS. NO 047  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 077-18-00W

YEAR 1968  
 MONTH 09  
 DAY 11  
 TIME 0742

NO. DEPTHS 11  
 SOUNDING 2140  
 BT SLIDE NO 047

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.86	0.02	0.2	321	9.01
5.0			18.83	0.04	0.9	319	9.01
10.0			18.87	0.04	0.2	323	9.02
20.0			6.94	0.02	0.1	335	10.60
30.0			5.15	0.04	0.1	338	11.70
50.0			4.35	0.02	4.5	310	11.86
75.0			4.08	0.00	0.1	331	12.61
100.0			3.96	0.03	0.0	336	12.65
150.0			3.81	0.00	0.0	339	12.68
200.0			3.74	0.05	0.1	340	11.79
212.0			3.73	0.02	4.0	347	11.77

C-REF-NO 016  
 CONS. NO 048  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-42N  
 LON 077-18-00W

YEAR 1968  
 MONTH 09  
 DAY 11  
 TIME 0929

NO. DEPTHS 10  
 SOUNDING 1704  
 BT SLIDE NO 048

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			19.07	0.00	3.5	274	8.83
5.0			19.05	0.04	0.3	312	9.02
10.0			19.08	0.04	0.3	320	9.05
20.0			8.38	0.01	0.2	334	9.69
30.0			5.51	0.03	0.1	336	11.33
49.0			4.04	0.01	0.2	334	12.68
74.0			3.89	0.02	0.2	337	12.75
98.0			3.84	0.02	0.1	337	12.76
148.0			3.74	0.02	0.8	340	12.39
165.0			3.73	0.06	0.8	346	11.12

C-REF-NO 016  
 CONS. NO 049  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-12N  
 LON 077-18-00W

YEAR 1968  
 MONTH 09  
 DAY 11  
 TIME 1049

NO. DEPTHS 08  
 SOUNDING 0902  
 BT SLIDE NO 049

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			18.85	0.01	1.0	313	9.10
5.0			18.85	0.00	0.4	318	9.10
10.0			18.85	0.04	0.2	319	9.10
20.0			18.65	0.04	0.2	320	9.10
30.0			6.43	0.06	0.1	337	10.80
50.0			4.37	0.01	0.1	336	11.98
75.0			3.90	0.02	0.2	340	12.35
90.0			3.91	0.02	0.3	340	12.32

C-REF-NO 016  
 CONS. NO 050  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 077-18-00W

YEAR 1968  
 MONTH 09  
 DAY 11  
 TIME 1205

NO. DEPTHS 05  
 SOUNDING 0283  
 BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0			19.24	0.00	0.2	316	9.86
5.0			19.25	0.01	0.2	314	9.21
10.0			19.24	0.01	0.2	314	11.29
20.0			19.22	0.02	0.2	304	9.14
27.0			17.75	0.08	0.2	306	8.76

C-REF-NO 016  
 CONS. NO 051  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 077-00-00W

YEAR 1968  
 MONTH 09  
 DAY 11  
 TIME 1358

NO. DEPTHS 04  
 SOUNDING 0183  
 BT SLIDE NO 051

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	8	19.15	0.01	0.1	317	8.90
5.0			19.14	0.03	0.2	312	10.10
10.0			19.15	0.04	0.2	316	10.17
16.0			19.12	0.01	0.2	315	10.48

C-REF-NO 016  
 CONS. NO 052  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-14N  
 LON 077-00-00W

YEAR 1968  
 MONTH 09  
 DAY 11  
 TIME 1517

NO. DEPTHS 08  
 SOUNDING 0960  
 BT SLIDE NO 052

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	5.5	10	19.65	0.01	0.1	314	8.82
5.0			19.65	0.02	0.1	313	8.82
10.0			19.64	0.02	0.1	314	8.81
20.0			19.63	0.01	0.1	313	8.75
30.0			7.36	0.04	0.1	326	10.26
50.0			4.05	0.00	0.1	328	10.28
75.0			3.92	0.04	0.4	318	12.31
92.0			3.90	0.02	0.2	314	10.31

C-REF-NO 016  
 CONS. NO 053  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-42N  
 LON 077-00-00W

YEAR 1968  
 MONTH 09  
 DAY 11  
 TIME 1643

NO. DEPTHS 10  
 SOUNDING 1960  
 BT SLIDE NO 053

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	4.0	10	19.46	0.02	0.2	286	9.03
5.0			19.44	0.02	0.2	315	8.97
10.0			19.40	0.01	0.2	319	8.82
20.0			19.37	0.01	0.2	320	8.81
30.0			7.48	0.04	0.1	335	10.07
50.0			4.76	0.01	0.4	335	12.19
75.0			3.96	0.00	0.1	332	12.68
100.0			3.87	0.03	0.1	332	12.75
150.0			3.78	0.01	0.0	334	12.66
193.0			3.74	0.00	51.0	336	10.94

C-REF-NO 016  
 CONS. NO 054  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 077-00-00W

YEAR 1968  
 MONTH 09  
 DAY 11  
 TIME 1831

NO. DEPTHS 10  
 SOUNDING 1908  
 BT SLIDE NO 054

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0	3.5	10	19.51	0.01	0.2	294	4.55
5.0			19.46	0.01	0.3	318	8.97
10.0			19.43	0.00	0.2	319	8.93
20.0			19.38	0.02	0.2	320	8.84
30.0			8.68	0.04	0.1	336	9.64
50.0			4.77	0.01	0.2	333	12.16
75.0			4.20	0.01	0.1	336	12.46
100.0			3.91	0.03	0.1	335	12.68
150.0			3.80	0.02	0.2	336	12.44
188.0			3.80	0.01	74.0	341	11.58



C-REF-NO 016  
 CONS. NO 055  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-40-48N  
 LON 077-26-42W

YEAR 1968  
 MONTH 09  
 DAY 11  
 TIME 2158

NO. DEPTHS 01  
 SOUNDING 1020  
 BT SLIDE NO 055

DEPTH SECCHI FOREL TEMP T CLAS TURB CON 25 02 W  
 0.0 4.0 10

C-REF-NO 016  
 CONS. NO 056  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-40-48N  
 LON 077-26-42W

YEAR 1968  
 MONTH 09  
 DAY 12  
 TIME 0005

NO. DEPTHS 00  
 SOUNDING 1030  
 BT SLIDE NO

DEPTH SECCHI FOREL TEMP T CLAS TURB CON 25 02 W

C-REF-NO 016  
 CONS. NO 057  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-40-48N  
 LON 077-26-42W

YEAR 1968  
 MONTH 09  
 DAY 12  
 TIME 0305

NO. DEPTHS 00  
 SOUNDING 1030  
 BT SLIDE NO

DEPTH SECCHI FOREL TEMP T CLAS TURB CON 25 02 W

C-REF-NO 016  
 CONS. NO 058  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-40-48N  
 LON 077-26-42W

YEAR 1968  
 MONTH 09  
 DAY 12  
 TIME 0605

NO. DEPTHS 00  
 SOUNDING 1030  
 BT SLIDE NO

DEPTH SECCHI FOREL TEMP T CLAS TURB CON 25 02 W

C-REF-NO 016  
 CONS. NO 059  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-40-48N  
 LON 077-26-42W

YEAR 1968  
 MONTH 09  
 DAY 12  
 TIME 0905

NO. DEPTHS 00  
 SOUNDING 1030  
 BT SLIDE NO 056

DEPTH SECCHI FOREL TEMP T CLAS TURB CON 25 02 W

C-REF-NO 016  
 CONS. NO 060  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-40-48N  
 LON 077-26-42W

YEAR 1968  
 MONTH 09  
 DAY 12  
 TIME 1205

NO. DEPTHS 01  
 SOUNDING 1020  
 BT SLIDE NO

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
0.0	3.5	8					

C-REF-NO 016  
 CONS. NO 061  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-40-48N  
 LON 077-26-42W

YEAR 1968  
 MONTH 09  
 DAY 12  
 TIME 1505

NO. DEPTHS 08  
 SOUNDING 1020  
 BT SLIDE NO

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
1.0							9.08
5.0							9.14
10.0							9.09
20.0							8.79
30.0							10.23
50.0							12.01
75.0							11.72
95.0							9.19

C-REF-NO 016  
 CONS. NO 062  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-40-48N  
 LON 077-26-42W

YEAR 1968  
 MONTH 09  
 DAY 12  
 TIME 1805

NO. DEPTHS 00  
 SOUNDING 1030  
 BT SLIDE NO

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W

C-REF-NO 016  
 CONS. NO 063  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-40-48N  
 LON 077-26-42W

YEAR 1968  
 MONTH 09  
 DAY 12  
 TIME 2105

NO. DEPTHS 01  
 SOUNDING 1030  
 BT SLIDE NO 057

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W
0.0	2.5	10					