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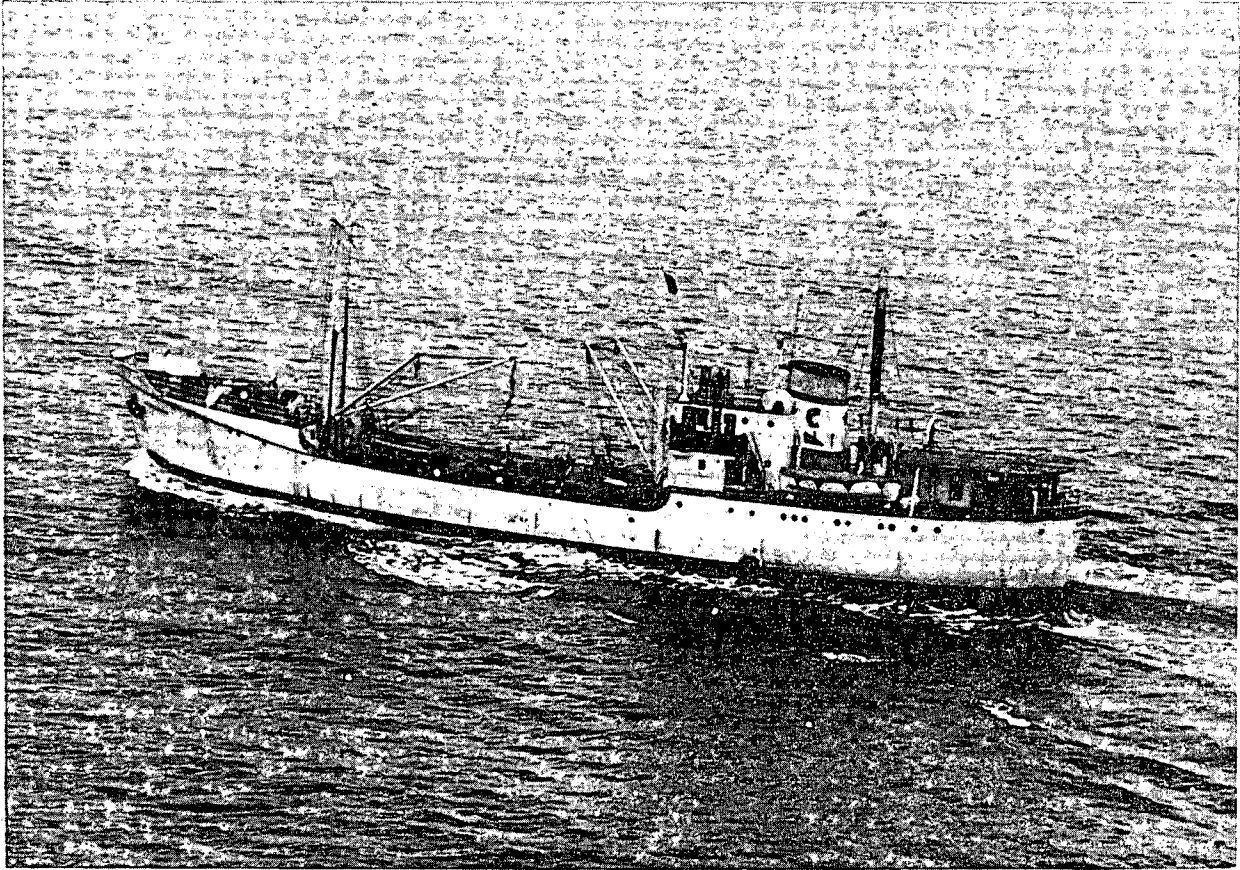
DEPARTMENT OF NATIONAL HEALTH & WELFARE

at

CANADA CENTRE FOR INLAND WATERS

BURLINGTON, ONTARIO

CANADA



M.V. "Theron"



LIMNOLOGICAL DATA REPORT NO.1

LAKE ERIE

CRUISE 68 - 102, MAY 17 - 24

CRUISE 68 - 104, JUNE 15 - 19

CRUISE 68 - 108, JULY 29 - AUGUST 3

1968

**CANADA CENTRE FOR INLAND WATERS
BURLINGTON, ONTARIO**

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

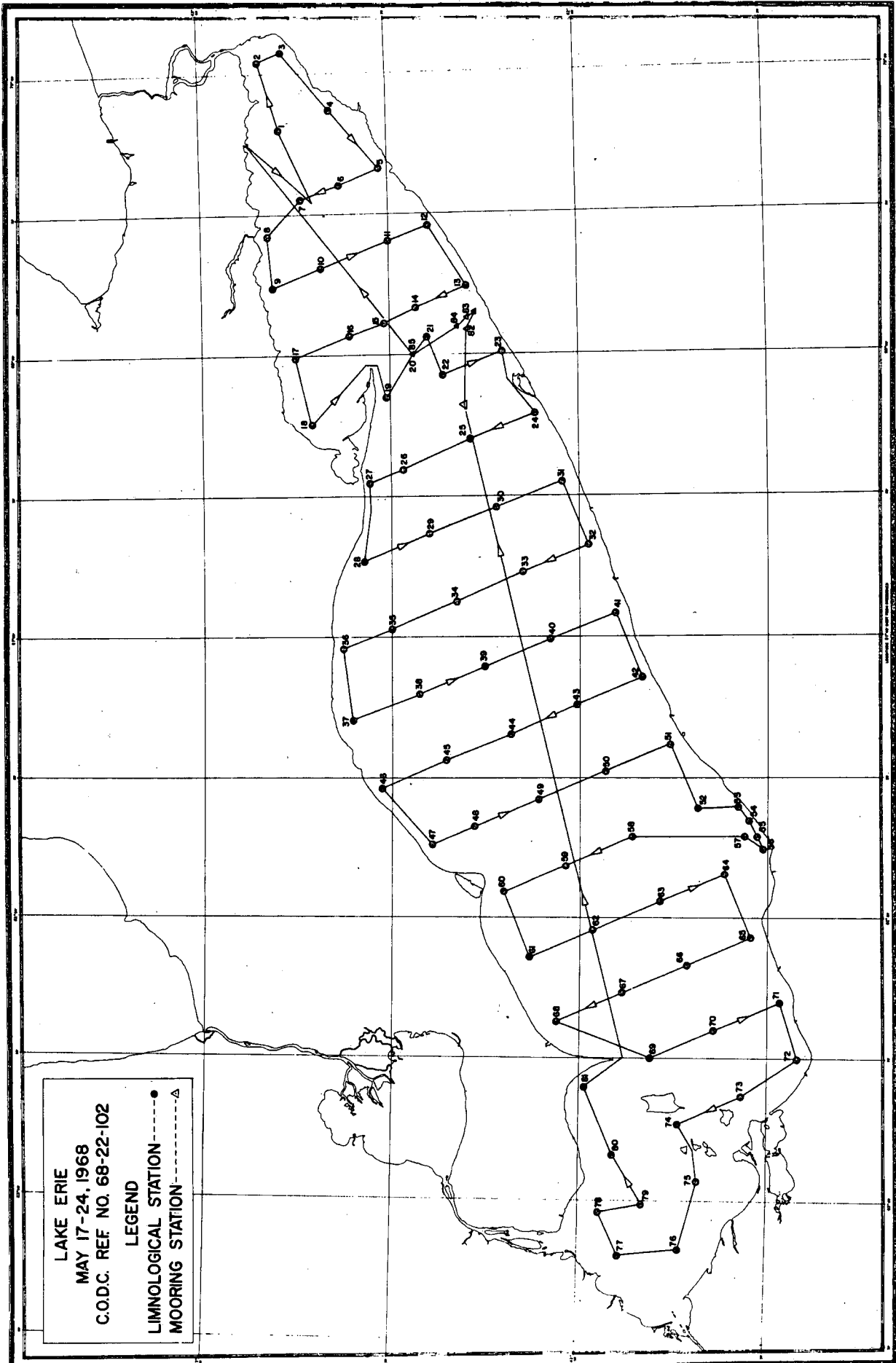
This report is one of a series listing bacteriological, biological, chemical and physical data for waters of Lake Erie, observed by Government of Canada agencies during the period May 17 to November 10, 1968.

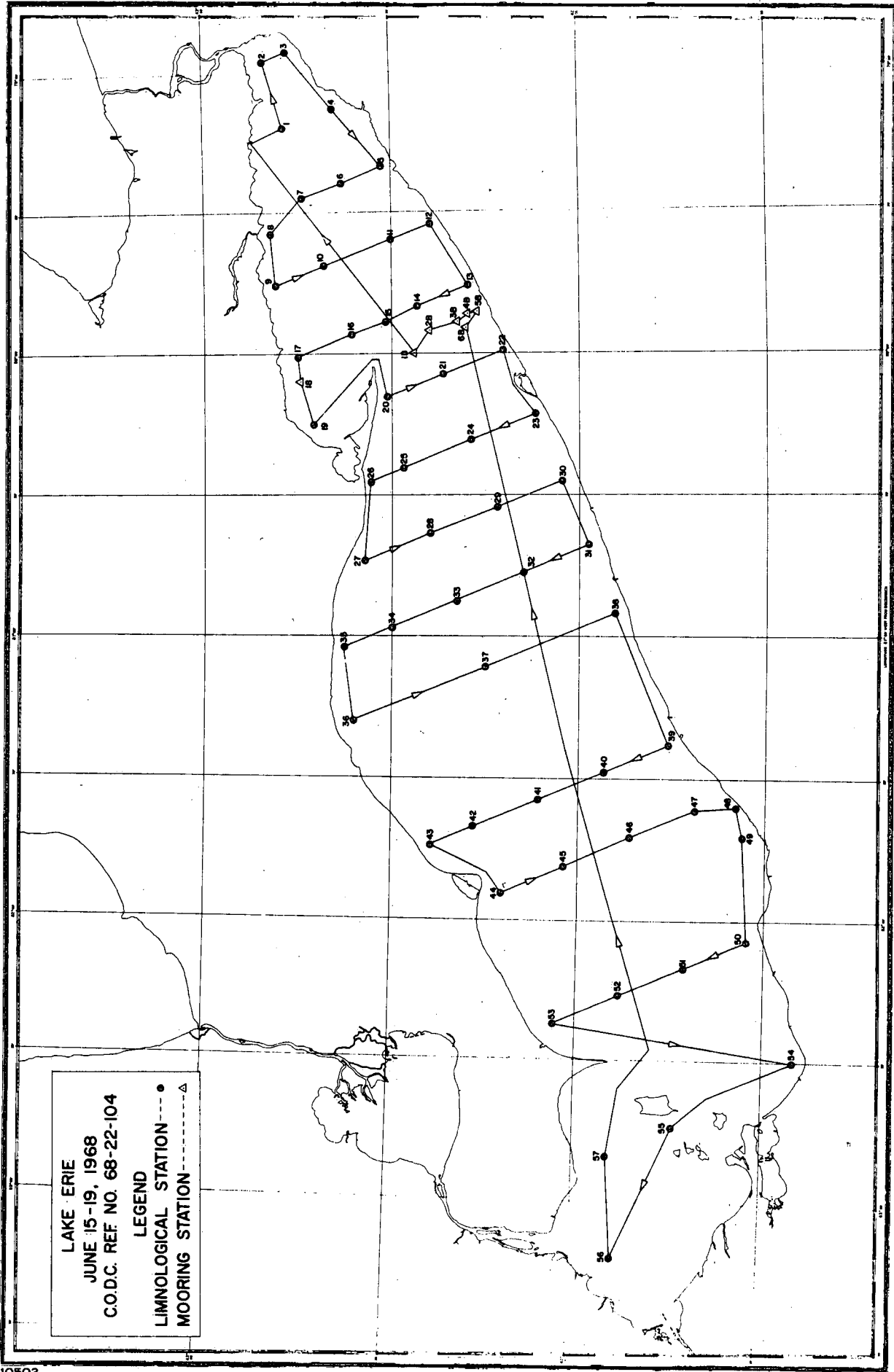
The 1968 surveys were carried out by 1) the Great Lakes Division of the Inland Waters Branch, Department of Energy, Mines and Resources, 2) the Fisheries Research Board and 3) the Public Health Engineering Division, Department of National Health and Welfare. Staff from the three agencies carried out 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 six 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 and Welfare. These data are again published in the present series of reports to facilitate comparison with the biological, chemical and physical data.

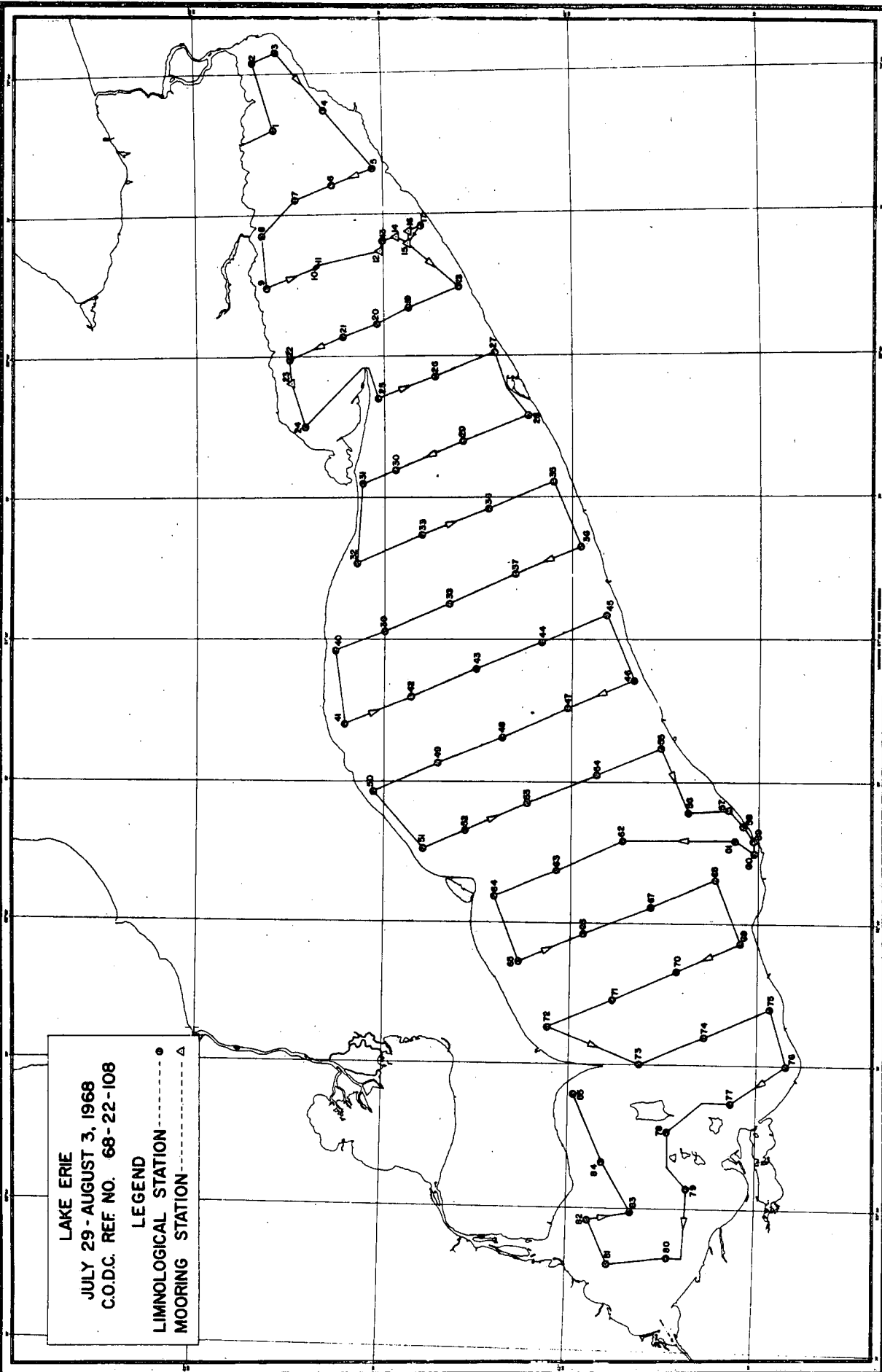
Accompanying diagrams show the geographical locations of the observations listed in this data record, together with the vessel's track and the locations of bathythermograph lowerings.





LAKE ERIE
 JUNE 15-19, 1968
 C.O.D.C. REF. NO. 68-22-104

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



Summary of the Cruises and Data listed for Lake Eric.

Data Report No.	1			2		
Cruise No.	102	104	108	109	111	112
Dates (1968)	May 17 May 24	June 15 June 19	July 29 Aug. 3	Aug. 31 Sept. 3	Sept. 28 Oct. 4	Nov. 4 Nov. 10
Cruise Type	MONITOR	MONITOR	MONITOR	MONITOR	MONITOR	MONITOR
Vessel	Theron	Theron	Theron	Theron	Theron	Theron
No. of Stations	85	57	85	33	84	87
No. of BT Slides	87	57	85	33	84	87

Station Data:

Date/Time	X	X	X	X	X	X
Sounding	X	X	X	X	X	X
BT Slide No.	X	X	X	X	X	X
Sample Depth	X	X	X	X	X	X
Secchi Depth	X	X	X	X	X	X
Colour Forel-ule	X	X	X	X	X	X
Temperature	X	X	X	X	X	X
Temperature Classification	X	X	X	X	X	X
Turbidity	X	X	X	X	X	X
Specific Conductance	X	X	X	X	X	X
Residue, filtrable			X		X	
pH 25°C			X		X	
Alkalinity, total (titrimetric)			X		X	
Oxygen dissolved (Winkler)	X	X	X	X	X	X
Phosphate, total		X	X		X	X
Phosphate, reactive	X	X	X	X	X	X
Ammonia nitrogen, soluble F	X	X	X	X	X	X
Nitrate nitrite nitrogen F	X	X	X	X	X	X
Sulphate NF			X		X	
Fluoride NF			X		X	
Chloride NF			X		X	
Silica, reactive	X	X	X	X	X	X
Hardness, total			X		X	
Calcium NF atomic absorption			X		X	
Magnesium NF			X		X	
Potassium, NF photometric			X		X	
Sodium NF photometric			X		X	
Chlorophyll A	X	X	X	X	X	X
Coliforms MF	X		X	X		X
Fecal coliforms MF	X		X			X
Standard plate count at 20°C	X		X	X		X
Standard plate count at 35°C	X		X	X		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 in the series from 102 to 112. The initial digit (1) is assigned to all Lake Erie 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

Parameter Name	Abbreviation (column heading)	Units used in the Data Reports	No. of Decimals Printed	Star System Code
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 ₃ /L	1	219
Oxygen, dissolved (Winkler)	O ₂ W	mg O ₂ /L	2	245
Phosphate, total	T PO ₄	mg PO ₄ /L	3	260
Phosphate, reactive	SR PO ₄	mg PO ₄ /L	3	263
Ammonia nitrogen, soluble	NH ₃	mg N/L	3	270
Nitrate nitrite nitrogen F	TF NO ₃	mg N/L	3	276
Sulphate NF	S SO ₄	mg SO ₄ /L	1	280
Fluoride NF	F	mg F/L	3	289
Chloride NF	CL	mg Cl/L	1	290
Silica, reactive	R SiO ₂	mg SiO ₂ /L	3	295
Hardness, total	HARD	mg CaCO ₃ /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 ³	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, 4, 7, 10, 13, 16, 19, 22, 28, 31, 37, 43, 49, 55 and 61 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).

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.

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.

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(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 - 102

C-REF-NO 102
 CONS. NO 003
 COUNTRY 18
 INSTITUTE 22

LAT 42-46-42N
 LON 078-55-30W

YEAR 1968
 MONTH 05
 DAY 17
 TIME 2227

NO. DEPTHS 04
 SOUNDING 0101
 BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	1.0	11	10.12	0.05	0.5	304	11.56	0.030
4.0			10.07	0.04	0.8	306	11.40	
7.0			10.07	0.00	1.2	305	11.48	
10.0			10.03	0.04	1.4	313	11.48	0.015

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.022	0.310	0.015	6.1	500E00	300E00	420E02	460E01
4.0								
7.0								
10.0	0.022	0.310	0.010		000E00	000E00	300E02	420E01

C-REF-NO 102
 CONS. NO 004
 COUNTRY 18
 INSTITUTE 22

LAT 42-39-06N
 LON 079-08-00W

YEAR 1968
 MONTH 05
 DAY 18
 TIME 0011

NO. DEPTHS 07
 SOUNDING 0171
 BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	1.5	10	7.78	0.04	1.6	322		
4.0			7.75	0.03	1.7	325	12.11	
7.0			7.75	0.01	1.3	324	12.11	
9.0			7.75	0.01	1.4	326	12.11	
12.0			7.75	0.04	1.3	326	12.09	
15.0			7.71	0.04	1.4	327	12.11	
17.0			7.73	0.02	1.4	327	12.11	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				4.1	100E00	000E00	290E02	490E01
4.0								
7.0					000E00		340E02	180E01
9.0								
12.0								
15.0								
17.0					000E00	000E00	280E02	490E01

C-REF-NO 102
 CONS. NO 007
 COUNTRY 18
 INSTITUTE 22

LAT 42-44-06N
 LON 079-27-06W

YEAR 1968
 MONTH 05
 DAY 18
 TIME 0511

NO. DEPTHS 10
 SOUNDING 0274
 BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			7.16	0.01	0.5	316	12.28	0.010
4.0			7.17	0.01	0.7	320	12.28	
7.0			7.16	0.02	0.6	313	12.31	
10.0			7.12	0.02	0.6	313	12.36	0.010
13.0			7.11	0.01	0.7	316	12.53	
16.0			7.08	0.06	1.0	315	12.59	
19.0			7.10	0.04	0.8	319	12.59	
22.0			7.07	0.00	0.4	314	12.59	
25.0			6.89	0.01	0.7	314	12.59	
27.0			6.88	0.03			12.76	0.020

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.021	0.065	0.050	7.1	000E00		400E01	170E01
4.0								
7.0								
10.0	0.012	0.067	0.050					
13.0								
16.0								
19.0								
22.0								
25.0								
27.0	0.011	0.165	0.100		000E00		430E01	

C-REF-NO 102
 CONS. NO 008
 COUNTRY 18
 INSTITUTE 22

LAT 42-49-30N
 LON 079-34-36W

YEAR 1968
 MONTH 05
 DAY 18
 TIME 0703

NO. DEPTHS 06
 SOUNDING 0158
 BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			10.14	0.00			11.39	0.030
4.0			10.09	0.01			12.09	
7.0			9.86	0.01			12.11	
10.0			7.90	0.02			12.68	
13.0			7.47	0.02			12.82	
15.0			7.51	0.03			12.70	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.023	0.008	0.065	11.8	400E00	000E00	150E02	100E02
4.0					000E00		920E01	800E00
7.0								
10.0								
13.0								
15.0					000E00		260E01	800E00

C-REF-NO 102
 CONS. NO 009
 COUNTRY 18
 INSTITUTE 22

LAT 42-48-54N
 LON 079-45-48W

YEAR 1968
 MONTH 05
 DAY 18
 TIME 0823

NO. DEPTHS 05
 SOUNDING 0137
 BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			9.88	0.01	0.8	310	12.04	
4.0			9.46	0.01	0.8	309	12.21	
7.0			9.09	0.02	0.8	316	12.40	
10.0			7.28	0.01	0.5	324	12.67	
12.0			7.30	0.05	0.6	323	12.68	

DEPTH	NH3	TFNO3	R SID2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				10.1			180E01	200E01
4.0								
7.0					000E00		490E01	190E01
10.0								
12.0					000E00	000E00	680E01	120E01

C-REF-NO 102
 CONS. NO 010
 COUNTRY 18
 INSTITUTE 22

LAT 42-40-48N
 LON 079-41-30W

YEAR 1968
 MONTH 05
 DAY 18
 TIME 0944

NO. DEPTHS 10
 SOUNDING 0305
 BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			6.26	0.01	0.7	312	12.61	
4.0			6.25	0.00	0.6	316	12.59	
7.0			6.22	0.01	0.5	319	12.50	
10.0			6.20	0.01	0.7	317	12.56	
13.0			6.18	0.03	0.5	321	12.67	
16.0			6.22	0.03	0.5	317	12.64	
19.0			6.20	0.05	0.6	317	12.73	
22.0			6.10	0.01	0.7	317	12.59	
25.0			6.06	0.05	0.6	316	12.65	
28.0			6.05	0.03	0.8	316	12.53	

DEPTH	NH3	TFNO3	R SID2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				6.3	000E00		840E01	180E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								
25.0								
28.0					000E00		570E01	320E01

C-REF-NO 102
 CONS. NO 012
 COUNTRY 18
 INSTITUTE 22

LAT 42-23-54N
 LON 079-32-48W

YEAR 1968
 MONTH 05
 DAY 18
 TIME 1238

NO. DEPTHS 08
 SOUNDING 0210
 BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR PD4
1.0	3.0	11	8.87	0.01	1.3	326	11.64	
4.0			8.86	0.00	1.1	326	11.79	
7.0			8.81	0.01	1.2	327	12.03	
10.0			8.26	0.00	1.4	341	11.95	
13.0			8.21	0.02	0.6	326	12.03	
16.0			8.10	0.06	1.1	325	12.18	
19.0			8.02	0.00	1.1	326	12.26	
20.0			8.05	0.02	1.3	327	12.18	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				5.8	000E00	000E00	990E01	370E01
4.0								
7.0							120E02	190E01
10.0								
13.0								
16.0								
19.0								
20.0					000E00	000E00	180E02	340E01

C-REF-NO 102
 CONS. NO 013
 COUNTRY 18
 INSTITUTE 22

LAT 42-18-00N
 LON 079-45-48W

YEAR 1968
 MONTH 05
 DAY 18
 TIME 1409

NO. DEPTHS 07
 SOUNDING 0190
 BT SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR PD4
1.0	3.0	11	8.67	0.02	0.7	326	12.06	0.003
4.0			8.68	0.02	1.1	320	12.15	
7.0			8.65	0.01	1.0	320	12.15	
10.0			8.60	0.01	1.2	325	12.18	
13.0			8.47	0.01	0.5	327	12.18	
16.0			8.43	0.05	0.9	325	12.20	
18.0			8.37	0.02	1.0	327	12.20	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.008	0.192	0.085	5.8	100E00	000E00	880E02	150E02
4.0								
7.0					000E00		920E02	230E02
10.0								
13.0								
16.0								
18.0					000E00	000E00	510E02	800E01

C-REF-NO 102
CONS. NO 016
COUNTRY 18
INSTITUTE 22

LAT 42-36-36N
LON 079-56-06W

YEAR 1968
MONTH 05
DAY 18
TIME 1913

NO. DEPTHS 14
SOUNDING 0494
BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	3.0	10			0.5	335	12.82	0.013
4.0			5.32	0.02	0.5	322	12.84	
7.0			5.32	0.00	1.0	319	12.84	
10.0			5.31	0.01	0.6	318	12.86	0.012
13.0			5.27	0.02	0.5	320	12.84	
16.0			5.26	0.03	0.6	320	12.82	
19.0			5.23	0.00	0.5	323	12.84	
22.0			5.18	0.00	0.5	322	12.86	
25.0			5.14	0.03	0.4	326	12.81	
28.0			5.13	0.00	0.5	320	12.86	
31.0			5.08	0.01	0.5	321	12.84	
37.0			5.02	0.00	0.5	325	12.86	
43.0			4.80	0.01	0.6	320	12.76	
48.0			4.77	0.02	0.9	325	12.36	0.013

DEPTH	NH3	TFND3	R SI02	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.016	0.097	0.055	3.7				
4.0								
7.0								
10.0	0.017	0.097	0.065					
13.0								
16.0								
19.0								
22.0								
25.0								
28.0								
31.0								
37.0								
43.0								
48.0	0.024	0.105	0.105					

C-REF-NO 102
 CONS. NO 017
 COUNTRY 18
 INSTITUTE 22

LAT 42-45-12N
 LON 080-00-48W

YEAR 1968
 MONTH 05
 DAY 18
 TIME 2043

NO. DEPTHS 05
 SOUNDING 0146
 BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	2.0	10	9.24	0.00	0.6	325	12.48	
4.0			9.24	0.01	0.6	327	12.46	
7.0			9.22	0.01	0.6	324	12.50	
10.0			9.18	0.01	0.6	326	12.45	
13.0			8.79	0.03	1.0	325	11.54	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				8.5	100E00	000E00	210E01	210E01
4.0								
7.0								
10.0								
13.0					000E00	000E00	300E01	240E01

C-REF-NO 102
 CONS. NO 018
 COUNTRY 18
 INSTITUTE 22

LAT 42-42-42N
 LON 080-14-54W

YEAR 1968
 MONTH 05
 DAY 18
 TIME 2200

NO. DEPTHS 04
 SOUNDING 0100
 BT SLIDE NO 018

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	1.5	11	10.90	0.01	0.4	327	11.95	0.011
4.0			10.89	0.01	0.5	327	12.04	
7.0			10.76	0.00	0.6	324	11.90	
10.0			9.94	0.01	1.2	328	11.53	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.009	0.008	0.190	8.5	200E00	100E00	200E01	170E01
4.0								
7.0								
10.0					000E00	000E00	260E01	900E00

C-REF-NO 102
 CONS. NO 022
 COUNTRY 18
 INSTITUTE 22

LAT 42-21-48N
 LON 080-04-24W

YEAR 1968
 MONTH 05
 DAY 19
 TIME 0515

NO. DEPTHS 08
 SOUNDING 0347
 BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR PG4
1.0			5.41	0.02	0.9	325	12.78	
4.0			5.44	0.04	1.5	323	12.80	
7.0			5.45	0.00	1.5	330	12.80	
10.0			5.45	0.01	1.3	324	12.80	
13.0			5.42	0.01	0.7	330	12.80	
16.0			5.32	0.02	1.2	324	12.78	
19.0			5.24	0.01	1.3	324	12.76	
22.0			5.19	0.02	0.9	324	12.76	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				2.8	000E00		320E01	200E00
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								

C-REF-NO 102
 CONS. NO 023
 COUNTRY 18
 INSTITUTE 22

LAT 42-12-24N
 LON 079-59-30W

YEAR 1968
 MONTH 05
 DAY 19
 TIME 0646

NO. DEPTHS 06
 SOUNDING 0152
 BT SLIDE NO 023

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR PG4
1.0			10.50	0.00	1.6	324	11.71	
4.0			10.49	0.01	0.9	331	11.71	
7.0			10.49	0.01	0.9	327	11.60	
10.0			10.44	0.02	0.7	329	11.59	
13.0			9.02	0.06	0.5	329	11.87	
14.0			8.25	0.03	0.7	328	12.07	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				6.6	000E00	000E00		320E01
4.0								
7.0					000E00			140E01
10.0								
13.0								
14.0					000E00	000E00	230E02	580E01

C-REF-NO 102
 CONS. NO 024
 COUNTRY 18
 INSTITUTE 22

LAT 42-07-00N
 LON 080-12-42W

YEAR 1968
 MONTH 05
 DAY 19
 TIME 0819

NO. DEPTHS 03
 SOUNDING 0079
 BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			10.99	0.00	0.7	451	11.03	0.015
4.0			11.01	0.01	0.7	329	11.07	
7.0			11.02		0.7	330	10.99	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.004	0.375	0.016	5.4	000E00	000E00	920E01	420E01
4.0								
7.0					000E00	000E00	130E02	440E01

C-REF-NO 102
 CONS. NO 025
 COUNTRY 18
 INSTITUTE 22

LAT 42-17-36N
 LON 080-18-18W

YEAR 1968
 MONTH 05
 DAY 19
 TIME 0954

NO. DEPTHS 06
 SOUNDING 0171
 BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			8.51	0.00	0.8	329	12.10	0.005
4.0			8.49	0.00	0.3	332	12.10	
7.0			8.50	0.01	0.3	333	12.12	
10.0			8.48	0.02	0.3	327	12.12	0.002
13.0			7.83	0.02	0.3	329	12.17	
16.0			7.74	0.03	0.4	332	12.18	0.001

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.009	0.062	0.010	4.4	000E00		990E01	500E00
4.0								
7.0								
10.0	0.008	0.062	0.010					
13.0								
16.0	0.003	0.070	0.017		100E00		960E01	700E00

C-REF-NO 102
 CONS. NO 026
 COUNTRY 18
 INSTITUTE 22

LAT 42-28-12N
 LON 080-24-24W

YEAR 1968
 MONTH 05
 DAY 19
 TIME 1129

NO. DEPTHS 06
 SOUNDING 0174
 BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR PD4
1.0	2.0	11			0.3	322	12.03	
4.0			9.30	0.01	0.4	321	12.04	
7.0			9.29	0.02	0.3	327	12.18	
10.0			9.29	0.02	0.4	326	12.03	
13.0			9.30	0.01	0.6	322	12.03	
16.0			9.23	0.00	0.7	326	11.89	

DEPTH	NH3	TFNO3	R SID2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				8.3	000E00		260E02	300E00
4.0								
7.0								
10.0								
13.0								
16.0					000E00		260E02	200E00

C-REF-NO 102
 CONS. NO 027
 COUNTRY 18
 INSTITUTE 22

LAT 42-33-30N
 LON 080-27-12W

YEAR 1968
 MONTH 05
 DAY 19
 TIME 1218

NO. DEPTHS 04
 SOUNDING 0104
 BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR PD4
1.0	1.0	11	11.03	0.00	7.0	321	11.35	0.004
4.0			11.03	0.01	6.4	317	11.35	
7.0			11.01	0.02	7.6	320	11.56	
9.0			10.99	0.01	8.0	317	11.35	

DEPTH	NH3	TFNO3	R SID2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.017	0.375	0.020	8.5	500E00	000E00	310E02	180E01
4.0								
7.0								
9.0					000E00	000E00	250E02	320E01

C-REF-NO 102
 CONS. NO 028
 COUNTRY 18
 INSTITUTE 22

LAT 42-34-30N
 LON 080-44-00W

YEAR 1968
 MONTH 05
 DAY 19
 TIME 1409

NO. DEPTHS 06
 SOUNDING 0158
 BT SLIDE NO 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	3.0	10	10.43	0.00	0.6	315	11.92	
4.0			10.41	0.01	0.6	316	11.89	
7.0			10.40	0.01	0.5	316	11.92	
10.0			10.38	0.02	0.7	314	11.90	
13.0			10.26	0.01	0.5	317	11.79	
15.0			9.95	0.01	1.8	317	11.79	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				8.0	000E00	000E00	270E01	
4.0								
7.0					000E00		740E01	200E01
10.0								
13.0								
15.0					100E00	000E00	980E01	900E00

C-REF-NO 102
 CONS. NO 029
 COUNTRY 18
 INSTITUTE 22

LAT 42-24-00N
 LON 080-38-12W

YEAR 1968
 MONTH 05
 DAY 19
 TIME 1539

NO. DEPTHS 08
 SOUNDING 0207
 BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	4.5	11	8.85	0.02	0.2	329	11.79	
4.0			8.86	0.01	0.4	329	11.78	
7.0			8.85	0.01	0.3	334	11.79	
10.0			8.83	0.01			11.79	
13.0			8.84	0.01	0.2	330	11.78	
15.0			8.81	0.03	0.4	330	11.76	
18.0			8.70	0.01	0.3	328	11.65	
19.0			8.56	0.02	0.4	330	11.67	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				3.7	100E00		780E01	130E01
4.0								
7.0								
10.0								
13.0								
15.0								
18.0								
19.0					000E00		160E02	600E00

C-REF-NO 102
 CONS. NO 030
 COUNTRY 18
 INSTITUTE 22

LAT 42-13-18N
 LON 080-32-42W

YEAR 1968
 MONTH 05
 DAY 19
 TIME 1709

NO. DEPTHS 08
 SOUNDING 0226
 BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	3.5	9	8.24	0.01	0.7	339	12.26	
4.0			8.23	0.01	0.7	333	12.07	
7.0			8.23	0.00	0.8	325	12.29	
10.0			8.23	0.01	0.6	326	12.29	
13.0			8.23	0.01	0.6	326	12.29	
16.0			8.22	0.02	0.6	324	12.23	
19.0			8.20	0.02	0.5	325	12.09	
21.0			8.00	0.00	0.6	326	11.84	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				3.6				
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
21.0								

C-REF-NO 102
 CONS. NO 031
 COUNTRY 18
 INSTITUTE 22

LAT 42-02-48N
 LON 080-27-06W

YEAR 1968
 MONTH 05
 DAY 19
 TIME 1851

NO. DEPTHS 05
 SOUNDING 0128
 BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	2.5	9	10.07	0.03	0.8	316	11.57	
4.0			10.08	0.00	0.8	317	11.60	
7.0			10.07	0.02	0.4	331	11.60	
10.0			10.05	0.02	0.5	327	11.60	
12.0			10.05	0.02	0.7	326	11.60	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				5.1	000E00		110E02	900E00
4.0								
7.0					000E00		140E02	290E01
10.0								
12.0					000E00	000E00	110E02	110E01

C-REF-NO 102
 CONS. NO 032
 COUNTRY 18
 INSTITUTE 22

LAT 41-58-36N
 LON 080-40-48W

YEAR 1968
 MONTH 05
 DAY 19
 TIME 2024

NO. DEPTHS 05
 SOUNDING 0158
 BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	1.0	10	10.03	0.00	0.7	331	11.46	0.003
4.0			10.02		0.6	329	11.54	
7.0			10.00	0.02	0.7	329	11.54	
10.0			9.97	0.02	0.7	329	11.56	
13.0			9.92	0.01	0.5	327	11.56	

DEPTH	NH3	TFNO3	R SID2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.009	0.335	0.033	4.4	000E00	000E00	810E01	370E01
4.0								
7.0					000E00			680E01
10.0								
13.0							800E01	540E01

C-REF-NO 102
 CONS. NO 033
 COUNTRY 18
 INSTITUTE 22

LAT 42-09-06N
 LON 080-46-30W

YEAR 1968
 MONTH 05
 DAY 19
 TIME 2202

NO. DEPTHS 08
 SOUNDING 0229
 BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	2.0	8	8.56	0.00	0.4	332	11.92	0.002
4.0			8.56		0.4	330	11.95	
7.0			8.55	0.03	0.5	332	11.95	
10.0			8.51	0.03	0.4	330	11.96	
13.0			8.69	0.10	0.5	327	11.96	
16.0			8.59	0.01	0.4	332	12.01	
19.0			8.53	0.02	0.6	327	12.01	
22.0			8.10	0.00	0.5	331	11.68	

DEPTH	NH3	TFNO3	R SID2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.016	0.057	0.036	3.2	100E00		350E01	140E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0					000E00		240E02	440E01

C-REF-NO 102
 CONS. NO 034
 COUNTRY 18
 INSTITUTE 22

LAT 42-19-42N
 LON 080-52-42W

YEAR 1968
 MONTH 05
 DAY 19
 TIME 2334

NO. DEPTHS 07
 SOUNDING 0213
 BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	2.0	8	8.61	0.02	0.1	338	12.18	
4.0			8.59		0.2	333	12.10	
7.0			8.60	0.01	0.1	334	12.23	
10.0			8.60	0.02	0.2	331	12.10	
13.0			8.59	0.01	0.1	336	12.07	
16.0			8.51	0.02	0.2	328	12.07	
19.0			8.31	0.01	0.4	335	11.79	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				4.0	000E00		200E01	500E00
4.0								
7.0								
10.0								
13.0								
16.0								
19.0					000E00		400E01	130E01

C-REF-NO 102
 CONS. NO 035
 COUNTRY 18
 INSTITUTE 22

LAT 42-30-00N
 LON 080-58-24W

YEAR 1968
 MONTH 05
 DAY 20
 TIME 0103

NO. DEPTHS 07
 SOUNDING 0195
 BT SLIDE NO 035

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	4.0	10	8.90	0.00	0.7	322	12.14	0.004
4.0			8.90	0.00	0.2	328	12.07	
7.0			8.89	0.01	0.3	327	12.07	
10.0			8.90	0.03	0.2	326	12.15	0.000
13.0			8.96	0.09	0.2	328	12.14	
16.0			8.91	0.01	0.2	329	12.18	
18.0			8.90	0.01	0.2	326		0.000

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.014	0.055	0.047	5.5	100E00		910E01	600E00
4.0								
7.0								
10.0	0.002	0.052	0.061					
13.0								
16.0								
18.0	0.005	0.055	0.063		000E00		120E02	700E00

C-REF-NO 102
 CONS. NO 036
 COUNTRY 18
 INSTITUTE 22

LAT 42-37-54N
 LON 081-02-36W

YEAR 1968
 MONTH 05
 DAY 20
 TIME 0229

NO. DEPTHS 05
 SOUNDING 0122
 BT SLIDE NO 036

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			10.66	0.01	0.4	319	11.75	0.008
4.0			10.65	0.02	1.6	317	11.73	
7.0			10.65	0.01	1.6	310	11.72	
10.0			10.66	0.03	1.6	309	11.76	
11.0			10.65	0.01				

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.003	0.157	0.047	8.8	300E00	000E00		
4.0								
7.0					000E00			110E01
10.0								
11.0					000E00			140E01

C-REF-NO 102
 CONS. NO 037
 COUNTRY 18
 INSTITUTE 22

LAT 42-36-18N
 LON 081-17-54W

YEAR 1968
 MONTH 05
 DAY 20
 TIME 0400

NO. DEPTHS 05
 SOUNDING 0125
 BT SLIDE NO 037

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			10.71	0.01	1.3	314	11.68	
4.0			10.72	0.01	1.3	316	11.72	
7.0			10.72	0.00	1.2	315	11.68	
10.0			10.70	0.02	1.3	314	11.70	
11.0			10.69	0.02	0.8	305	11.72	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				8.2	000E00		500E01	900E00
4.0								
7.0					000E00		310E01	120E01
10.0								
11.0					000E00	000E00	100E01	700E00

C-REF-NO 102
 CONS. NO 038
 COUNTRY 18
 INSTITUTE 22

LAT 42-25-48N
 LON 081-12-18W

YEAR 1968
 MONTH 05
 DAY 20
 TIME 0542

NO. DEPTHS 07
 SOUNDING 0213
 BT SLIDE NO 038

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			8.61	0.02	0.3	310	12.03	
4.0			8.60	0.02	0.3	309	12.03	
7.0			8.59	0.01	0.6	320	12.04	
10.0			8.60	0.03	0.6	322	12.03	
13.0			8.60	0.00	0.5	318	12.03	
16.0			8.59	0.03	0.5	326	12.04	
19.0			8.48	0.01	0.6	322	12.03	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				4.4				
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								

C-REF-NO 102
 CONS. NO 039
 COUNTRY 18
 INSTITUTE 22

LAT 42-15-12N
 LON 081-06-24W

YEAR 1968
 MONTH 05
 DAY 20
 TIME 0710

NO. DEPTHS 08
 SOUNDING 0226
 BT SLIDE NO 039

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			8.38	0.01	0.7	321	11.79	
4.0			8.39	0.03	1.0	323	11.87	
7.0			8.38	0.01	0.6	323	11.90	
10.0			8.40	0.01	0.6	321	11.90	
13.0			8.39	0.02	0.5	322	11.92	
15.0			8.39	0.02	0.6	326	11.92	
18.0			8.37	0.00	0.6	327	11.89	
21.0			8.34	0.01	2.3	325	11.87	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				4.1	000E00		200E01	900E00
4.0								
7.0								
10.0								
13.0								
15.0								
18.0								
21.0					000E00		130E01	120E01

C-REF-NO 102
 CONS. NO 040
 COUNTRY 18
 INSTITUTE 22

LAT 42-04-54N
 LON 081-00-42W

YEAR 1968
 MONTH 05
 DAY 20
 TIME 0837

NO. DEPTHS 08
 SOUNDING 0232
 BT SLIDE NO 040

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			8.15	0.01	0.5	330	12.03	
4.0			8.15	0.01	0.2	330	12.06	
7.0			8.15	0.02	0.2	329	12.09	
10.0			8.14	0.00	0.3	332	12.06	
13.0			8.14	0.01	0.4	325	12.07	
16.0			8.13	0.02	0.2	335	12.04	
19.0			8.12		0.3	325	12.03	
22.0			7.65	0.03	5.2	326	11.73	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				5.1				
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								

C-REF-NO 102
 CONS. NO 041
 COUNTRY 18
 INSTITUTE 22

LAT 41-54-24N
 LON 080-55-00W

YEAR 1968
 MONTH 05
 DAY 20
 TIME 0958

NO. DEPTHS 06
 SOUNDING 0161
 BT SLIDE NO 041

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			11.08	0.01	0.7	350	11.01	
4.0			11.08	0.00	0.5	353	11.03	
7.0			11.08	0.01	0.5	354	11.04	
10.0			11.10	0.03	0.7	353	11.04	
13.0			11.09	0.01	0.7	353	11.00	
15.0			11.09	0.02	1.1	349	11.01	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				7.3	110E01	100E00		100E02
4.0					000E00		310E02	850E01
7.0								
10.0								
13.0								
15.0					000E00	000E00	300E02	400E01

C-REF-NO 102
 CONS. NO 044
 COUNTRY 18
 INSTITUTE 22

LAT 42-11-00N
 LON 081-20-48W

YEAR 1968
 MONTH 05
 DAY 20
 TIME 1442

NO. DEPTHS 08
 SOUNDING 0232
 BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	5.0	8	7.81	0.00	0.5	331	12.15	
4.0			7.83	0.01	0.8	329	12.18	
7.0			7.80	0.00	0.4	330	12.12	
10.0			7.80	0.01	0.4	330	12.15	
13.0			7.79	0.01	0.3	329	12.14	
16.0			7.79	0.02	0.4	330	12.14	
19.0			7.78	0.03	0.3	326	12.15	
22.0			7.79	0.00	0.6	330	12.17	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				3.5				
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								

C-REF-NO 102
 CONS. NO 045
 COUNTRY 18
 INSTITUTE 22

LAT 42-21-24N
 LON 081-26-24W

YEAR 1968
 MONTH 05
 DAY 20
 TIME 1620

NO. DEPTHS 08
 SOUNDING 0226
 BT SLIDE NO 045

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	3.0	9	8.68	0.02	0.6	319	12.10	
4.0			8.68	0.02	0.6	324	12.01	
7.0			8.68	0.00	0.7	323	12.06	
10.0			8.61	0.04	0.6	322	11.96	
13.0			8.57	0.02	0.6	324	11.92	
15.0			8.52	0.01	0.6	323	12.00	
18.0			8.51	0.02	0.5	324	12.00	
21.0			8.44	0.03	63.0	321	11.95	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				4.0	000E00		170E01	110E01
4.0								
7.0								
10.0								
13.0								
15.0								
18.0								
21.0					000E00		860E01	210E01

C-REF-NO 102
 CONS. NO 046
 COUNTRY 18
 INSTITUTE 22

LAT 42-31-42N
 LON 081-32-06W

YEAR 1968
 MONTH 05
 DAY 20
 TIME 1758

NO. DEPTHS 05
 SOUNDING 0128
 BT SLIDE NO 047

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	1.5	10	11.03	0.04	1.6	311	11.31	
4.0			11.01	0.02	1.7	311	11.29	
7.0			11.00	0.01	1.7	311	11.29	
9.0			10.99	0.02	1.7	310	11.29	
11.0			10.24	0.02	4.2	309	11.31	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				5.4	000E00		290E01	150E01
4.0					000E00		700E01	900E00
7.0								
9.0								
11.0								

C-REF-NO 102
 CONS. NO 047
 COUNTRY 18
 INSTITUTE 22

LAT 42-23-48N
 LON 081-44-00W

YEAR 1968
 MONTH 05
 DAY 20
 TIME 1935

NO. DEPTHS 05
 SOUNDING 0128
 BT SLIDE NO 049

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	1.5	10	10.13	0.01	1.3	307	11.36	0.002
4.0			10.09	0.01	1.2	311	11.32	
7.0			10.02	0.00	1.3	308	11.31	
10.0			9.92	0.04	1.5	306	11.32	
12.0			9.23	0.00	1.8	307	11.03	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.007	0.260	0.092	6.1	000E00		360E01	200E01
4.0					000E00		450E01	180E01
7.0								
10.0								
12.0					210E01		600E01	220E01

C-REF-NO 102
 CONS. NO 048
 COUNTRY 18
 INSTITUTE 22

LAT 42-16-54N
 LON 081-40-18W

YEAR 1968
 MONTH 05
 DAY 20
 TIME 2054

NO. DEPTHS 08
 SOUNDING 0226
 BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	1.5	10	9.51	0.02	0.6	314	12.00	
4.0			9.51	0.01	0.7	308	12.09	
7.0			9.50	0.01	0.6	309	12.04	
10.0			9.44	0.00	0.7	311	12.07	
13.0			9.41	0.01	1.1	306	12.07	
15.0			9.22	0.02	0.6	312	11.89	
18.0			9.14	0.00	0.7	312	11.79	
21.0			9.05	0.01	29.0	321	10.68	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				6.1				
4.0								
7.0								
10.0								
13.0								
15.0								
18.0								
21.0								

C-REF-NO 102
 CONS. NO 049
 COUNTRY 18
 INSTITUTE 22

LAT 42-06-36N
 LON 081-34-30W

YEAR 1968
 MONTH 05
 DAY 20
 TIME 2218

NO. DEPTHS 09
 SOUNDING 0244
 BT SLIDE NO 051

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	5.0	7	8.70	0.01	0.2	322	12.12	0.002
4.0			8.66	0.01	0.9	321	12.36	
7.0			8.46	0.00	0.1	324	12.28	
10.0			8.33	0.00	0.2	323	12.25	0.008
13.0			8.07	0.01	1.1	326	12.12	
16.0			8.00	0.02	0.2	326	12.09	
19.0			7.95	0.00	0.2	324	12.25	
22.0			7.85	0.02	0.2	323	11.95	
24.0			7.59	0.01	67.0	324	9.06	0.007

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.007	0.045	0.060	3.0				
4.0								
7.0								
10.0	0.009	0.043	0.070					
13.0								
16.0								
19.0								
22.0								
24.0	0.004	0.040	0.057					

C-REF-NO 102
 CONS. NO 050
 COUNTRY 18
 INSTITUTE 22

LAT 41-56-06N
 LON 081-28-42W

YEAR 1968
 MONTH 05
 DAY 20
 TIME 2349

NO. DEPTHS 08
 SOUNDING 0238
 BT SLIDE NO 052

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	3.0	8	7.93	0.02	0.2	327	12.57	0.005
4.0			7.94	0.02	0.2	326	12.57	
7.0			7.93	0.01	0.3	329	12.60	
10.0			7.92	0.00	0.2	326	12.57	
13.0			7.83	0.01	0.5	329	12.60	
16.0			7.61	0.02	0.4	324	12.50	
19.0			7.57	0.01	0.4	327	12.42	
22.0			7.54	0.00	0.3	326	12.32	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.005	0.062	0.037	3.8	000E00		600E00	100E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0					000E00		500E00	250E01

C-REF-NO 102
 CONS. NO 051
 COUNTRY 18
 INSTITUTE 22

LAT 41-45-48N
 LON 081-23-00W

YEAR 1968
 MONTH 05
 DAY 21
 TIME 0114

NO. DEPTHS 05
 SOUNDING 0140
 BT SLIDE NO 053

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			11.43	0.01	1.1	316	11.09	0.013
4.0			11.42	0.01	1.3	316	11.17	
7.0			11.43	0.02	0.1	320	11.17	
10.0			11.43	0.01	0.1	314	11.14	0.009
13.0			11.44	0.02	0.9	302	11.17	0.013

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.011	0.322	0.035	6.4	200E00	100E00	150E02	120E02
4.0								
7.0					400E00		130E02	700E01
10.0	0.006	0.320	0.035					
13.0	0.011	0.320	0.040		300E00	000E00	100E02	900E01

C-REF-NO 102
 CONS. NO 052
 COUNTRY 18
 INSTITUTE 22

LAT 41-41-24N
 LON 081-36-42W

YEAR 1968
 MONTH 05
 DAY 21
 TIME 0258

NO. DEPTHS 07
 SOUNDING 0195
 BT SLIDE NO 054

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR P04
1.0			10.65	0.00	0.7	311	11.29	
4.0			10.66	0.01	0.7	311	11.31	
7.0			10.65	0.00	0.7	314	11.32	
10.0			10.67	0.01	0.9	309	11.31	
13.0			10.66	0.01	0.7	310	11.29	
15.0			10.64	0.05	0.9	315	11.32	
18.0			10.65	0.02	0.7	311	11.32	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				5.7	000E00		480E01	300E01
4.0								
7.0								
10.0								
13.0								
15.0								
18.0					000E00		810E01	280E01

C-REF-NO 102
 CONS. NO 053
 COUNTRY 18
 INSTITUTE 22

LAT 48-34-42N
 LON 081-36-06W

YEAR 1968
 MONTH 05
 DAY 21
 TIME 0354

NO. DEPTHS 05
 SOUNDING 0122
 BT SLIDE NO 055

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR P04
1.0			12.93	0.01	9.2	318	10.46	0.023
4.0			12.93	0.01	9.1	313		
7.0			12.93	0.00			10.46	
10.0			12.92	0.00	8.5	315		
11.4			12.95	0.03	7.7	313	10.45	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.010	0.343	0.030	7.8	790E01	530E01	710E02	300E02
4.0								
7.0					580E01		710E02	440E02
10.0								
11.4					750E01	520E01		300E02

C-REF-NO 102
 CONS. NO 054
 COUNTRY 18
 INSTITUTE 22

LAT 41-33-06N
 LON 081-39-06W

YEAR 1968
 MONTH 05
 DAY 21
 TIME 0440

NO. DEPTHS 05
 SOUNDING 0125
 BT SLIDE NO 056

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			13.02	0.03	5.5	318	10.46	
4.0			13.02	0.01	4.7	317	10.43	
7.0			13.03	0.00	5.2	317	10.46	
9.0			13.03	0.00	5.9	318	10.46	
11.0			13.06	0.04	4.6	312	10.46	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				8.2	360E01	600E00	700E02	350E02
4.0								
7.0					320E01		510E02	520E02
9.0								
11.0					420E01	600E00	640E02	460E02

C-REF-NO 102
 CONS. NO 055
 COUNTRY 18
 INSTITUTE 22

LAT 41-31-48N
 LON 081-42-30W

YEAR 1968
 MONTH 05
 DAY 21
 TIME 0524

NO. DEPTHS 05
 SOUNDING 0122
 BT SLIDE NO 057

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			13.08	0.01	5.3	311	10.46	
4.0			13.07	0.01	3.2	308	10.46	
7.0			13.08	0.01	3.9	311	10.46	
9.0			13.08	0.00	3.5	308	10.50	
12.0			13.11	0.03	4.5	315	10.46	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				8.2	160E01	200E00	340E02	250E02
4.0								
7.0								
9.0								
12.0					120E02	100E01	910E02	810E02

C-REF-NO 102
CONS. NO 056
COUNTRY 18
INSTITUTE 22

LAT 41-30-42N
LON 081-45-00W

YEAR 1968
MONTH 05
DAY 21
TIME 0604

NO. DEPTHS 02
SOUNDING 0122
BT SLIDE NO 058

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0								
11.0								

DEPTH	NH3	TFNO3	R SID2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0					100E01	000E00	420E02	200E02
11.0					300E01	200E00	500E02	390E02

C-REF-NO 102
CONS. NO 057
COUNTRY 18
INSTITUTE 22

LAT 41-33-48N
LON 081-42-30W

YEAR 1968
MONTH 05
DAY 21
TIME 0646

NO. DEPTHS 06
SOUNDING 0152
BT SLIDE NO 059

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			12.65	0.02	2.7	308	10.54	0.010
4.0			12.65	0.00	2.5	308	10.62	
7.0			12.64	0.01	2.7	306	10.62	
10.0			12.64	0.02	2.7	310	10.62	
12.0			12.60	0.03	2.8	307	10.68	
13.0			12.63	0.04	3.4	304	10.68	

DEPTH	NH3	TFNO3	R SID2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.031	0.335	0.025	7.2	100E00	000E00	150E02	970E01
4.0								
7.0					000E00		130E02	130E02
10.0								
12.0								
13.0					000E00	000E00	120E02	820E01

C-REF-NO 102
 CONS. NO 068
 COUNTRY 18
 INSTITUTE 22

LAT 42-03-48N
 LON 082-22-24W
 YEAR 1968
 MONTH 05
 DAY 21
 TIME 2343

NO. DEPTHS 05
 SOUNDING 0158
 BT SLIDE NO 070

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	1.0	10	11.44	0.01	0.8	299	11.79	0.000
4.0			11.34	0.01	0.6	302	11.62	
7.0			11.09	0.00	0.7	302	11.37	
10.0			10.64	0.01	0.8	304	11.18	
13.0			9.35	0.02	8.3	308	10.84	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.011	0.300	0.100	7.7	400E00	300E00	280E01	
4.0								
7.0					400E00		500E01	
10.0								
13.0					000E00	000E00	220E01	500E01

C-REF-NO 102
 CONS. NO 069
 COUNTRY 18
 INSTITUTE 22

LAT 41-48-48N
 LON 082-30-06W
 YEAR 1968
 MONTH 05
 DAY 22
 TIME 0139

NO. DEPTHS 05
 SOUNDING 0116
 BT SLIDE NO 071

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			12.56	0.02	2.5	306	10.53	
4.0			12.57	0.00	2.5	306	10.54	
7.0			12.55	0.01	2.8	304	10.50	
10.0			12.33	0.01	2.6	306	10.46	
11.0			11.54	0.02	2.8	308	10.65	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				5.3	600E00		240E02	600E01
4.0								
7.0								
10.0								
11.0					000E00		120E02	250E01

C-REF-NO 102
 CONS. NO 072
 COUNTRY 18
 INSTITUTE 22

LAT 41-25-12N
 LON 082-30-12W

YEAR 1968
 MONTH 05
 DAY 22
 TIME 0607

NO. DEPTHS 05
 SOUNDING 0110
 BT SLIDE NO 074

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			13.98	0.01	2.8	304	10.51	0.006
4.0			13.96	0.01	3.0	304	10.59	
7.0			13.96	0.03	3.1	303	10.56	
9.0			13.95	0.01	3.2	304	10.53	
10.0			13.65	0.11	58.0	307	10.07	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.026	0.335	0.158	6.8	800E01	540E01	190E02	930E01
4.0								
7.0					280E01		210E02	470E01
9.0								
10.0							200E02	780E01

C-REF-NO 102
 CONS. NO 073
 COUNTRY 18
 INSTITUTE 22

LAT 41-34-00N
 LON 082-38-06W

YEAR 1968
 MONTH 05
 DAY 22
 TIME 0731

NO. DEPTHS 05
 SOUNDING 0128
 BT SLIDE NO 075

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0			14.01	0.01	3.3	302	9.86	
4.0			14.01	0.00	3.3	298	10.00	
7.0			14.01	0.01	3.5	298	9.86	
10.0			14.01	0.01	3.5	300	10.40	
12.0			13.71	0.02	6.8	302	9.51	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				5.3	000E00	000E00	150E02	340E01
4.0								
7.0					100E00		100E02	390E01
10.0								
12.0					000E00	000E00	900E01	550E01

C-REF-NO 102
 CONS. NO 076
 COUNTRY 18
 INSTITUTE 22

LAT 41-43-54N
 LON 083-10-24W

YEAR 1968
 MONTH 05
 DAY 22
 TIME 1149

NO. DEPTHS 04
 SOUNDING 0091
 BT SLIDE NO 078

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	0.5	11	13.51	0.01	3.2	241	10.86	
4.0			13.51	0.00	3.7	243	10.89	
7.0			13.51	0.00	3.4	243	10.84	
9.0			13.52	0.02	16.0	244	10.70	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				10.7				
4.0								
7.0								
9.0								

C-REF-NO 102
 CONS. NO 077
 COUNTRY 18
 INSTITUTE 22

LAT 41-53-30N
 LON 083-11-48W

YEAR 1968
 MONTH 05
 DAY 22
 TIME 1313

NO. DEPTHS 04
 SOUNDING 0090
 BT SLIDE NO 079

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	1.5	11	14.39	0.02	3.0	348	9.84	0.124
4.0			14.34	0.01	3.0	346	9.76	
7.0			14.32	0.02	3.5	336	9.61	
8.0			14.30	0.02	3.9	346	9.61	0.141

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0	0.077	0.223	0.144	14.4		190E01		
4.0								
7.0								
8.0	0.075	0.217	0.106			210E01		

C-REF-NO 102
 CONS. NO 078
 COUNTRY 18
 INSTITUTE 22

LAT 41-56-48N
 LON 083-02-42W

YEAR 1968
 MONTH 05
 DAY 22
 TIME 1437

NO. DEPTHS 04
 SOUNDING 0094
 BT SLIDE NO 080

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	1.5	11	13.37	0.00	1.8	269	10.82	
4.0			13.35	0.00	1.8	267	10.86	
7.0			13.13	0.01	1.8	267	10.54	
8.5			12.89	0.06	3.9	264	10.23	

DEPTH	NH3	TFN03	R SI02	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				9.2	300E00		600E02	120E02
4.0								
7.0								
8.5					800E00	100E00	650E02	130E02

C-REF-NO 102
 CONS. NO 079
 COUNTRY 18
 INSTITUTE 22

LAT 41-49-54N
 LON 083-01-06W

YEAR 1968
 MONTH 05
 DAY 22
 TIME 1539

NO. DEPTHS 04
 SOUNDING 0100
 BT SLIDE NO 081

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	SR P04
1.0	1.5	11	13.59	0.02	2.5	276		
4.0			13.49	0.00	2.3	279	11.11	
7.0			13.40	0.00	2.3	281	10.86	
10.0			13.20	0.03	3.7	281	10.31	

DEPTH	NH3	TFN03	R SI02	CHLORA	MF COL	MF FCO	SPC 20	SPC 35
1.0				7.1	100E00		150E02	570E01
4.0								
7.0								
10.0					100E00		300E02	312E02

C-REF-NO 102
 CONS. NO 083
 COUNTRY 18
 INSTITUTE 22

LAT 42-17-54N
 LON 079-52-18W

YEAR 1968
 MONTH 05
 DAY 23
 TIME 1627

NO. DEPTHS 01
 SOUNDING 0305
 BT SLIDE NO 085

DEPTH SECCHI FOREL TEMP T CLAS TURB CON 25 02 W SR P04
 10.0 6.73 0.02

DEPTH NH3 TFNO3 R SIO2 CHLORA MF COL MF FCO SPC 20 SPC 35
 10.0

C-REF-NO 102
 CONS. NO 084
 COUNTRY 18
 INSTITUTE 22

LAT 42-19-36N
 LON 079-54-00W

YEAR 1968
 MONTH 05
 DAY 23
 TIME 1659

NO. DEPTHS 01
 SOUNDING 0360
 BT SLIDE NO 086

DEPTH SECCHI FOREL TEMP T CLAS TURB CON 25 02 W SR P04
 10.0 5.71 0.01

DEPTH NH3 TFNO3 R SIO2 CHLORA MF COL MF FCO SPC 20 SPC 35
 10.0

C-REF-NO 102
 CONS. NO 085
 COUNTRY 18
 INSTITUTE 22

LAT 42-26-24N
 LON 080-00-00W

YEAR 1968
 MONTH 05
 DAY 23
 TIME 1815

NO. DEPTHS 01
 SOUNDING 0640
 BT SLIDE NO 087

DEPTH SECCHI FOREL TEMP T CLAS TURB CON 25 02 W SR P04
 11.0 9.23 0.02

DEPTH NH3 TFNO3 R SIO2 CHLORA MF COL MF FCO SPC 20 SPC 35
 11.0

CRUISE 68 - 104

C-REF-NO 104
 CONS. NO 001
 COUNTRY 18
 INSTITUTE 22

LAT 42-47-24N
 LON 079-12-06W

YEAR 1968
 MONTH 06
 DAY 15
 TIME 1712

NO. DEPTHS 07
 SOUNDING 0207
 BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.5	9	13.98	0.01	0.3	309	11.75	0.047
4.0			13.99	0.01	0.3	307	11.79	
7.0			13.77	0.02	0.4	313	11.81	
10.0			12.47	0.02	0.4	327	11.55	
13.0			11.93	0.00	0.4	322	11.44	
16.0			9.71	0.02	0.5	330	10.53	
19.0			9.16	0.02	0.5	328	10.27	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.025	0.038	0.218	0.120	7.5
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					

NO 104
 NO 002

LAT 42-50-36N
 LON 078-57-30W

YEAR 1968
 MONTH 06
 DAY 15
 TIME 1842

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
16.0			16.19	0.03	0.6	321	11.27	
17.0			16.09	0.00	0.5	319	11.39	
18.0			15.87	0.01	0.5	315	11.53	
19.0			15.51	0.00	0.4	322	11.69	

C-REF-NO 104
 CONS. NO 003
 COUNTRY 18
 INSTITUTE 22

LAT 42-46-42N
 LON 078-55-30W

YEAR 1968
 MONTH 06
 DAY 15
 TIME 1924

NO. DEPTHS 04
 SOUNDING 0100
 BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	1.5	11	16.83		0.9	319	10.92	0.053
4.0			16.84	0.00	1.1	320	10.92	
7.0			16.82	0.01	0.9	319	10.94	
10.0			16.82	0.01	1.0	318	10.94	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.014	0.021	0.016	0.155	11.1
4.0					
7.0					
10.0	0.016	0.022	0.020	0.200	

C-REF-NO 104
 CONS. NO 004
 COUNTRY 18
 INSTITUTE 22

LAT 42-39-06N
 LON 079-08-00W

YEAR 1968
 MONTH 06
 DAY 15
 TIME 2051

NO. DEPTHS 06
 SOUNDING 0171
 BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	1.5	10	16.63	0.01	0.8	322	10.55	
4.0			16.70	0.01	0.6	325	10.53	
7.0			16.70	0.00	0.7	322	10.56	
10.0			16.40	0.00	0.9	321	10.55	
13.0					0.7	322	10.61	
16.0					1.1	319	10.50	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0					8.2
4.0					
7.0					
10.0					
13.0					
16.0					

C-REF-NO 104
 CONS. NO 005
 COUNTRY 18
 INSTITUTE 22

LAT 42-31-30N
 LON 079-20-36W

YEAR 1968
 MONTH 06
 DAY 15
 TIME 2220

NO. DEPTHS 07
 SOUNDING 0195
 BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	1.5	11	17.23	0.01	0.7	329	10.05	0.044
4.0			17.25	0.00	0.6	331	9.99	
7.0			17.22	0.00	0.7	328	9.96	
10.0			16.94	0.01	0.8	329	9.93	
13.0			15.91	0.01	0.9	329	9.83	
16.0			15.74	0.00	0.9	331	9.85	
19.0			14.75	0.00	0.8	329	9.73	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.014	0.021	0.098	0.200	5.8
4.0					
7.0					
10.0	0.009	0.026	0.098	0.140	
13.0					
16.0					
19.0	0.011	0.033	0.100	0.135	

C-REF-NO 104
 CONS. NO 006
 COUNTRY 18
 INSTITUTE 22

LAT 42-37-54N
 LON 079-24-00W

YEAR 1968
 MONTH 06
 DAY 15
 TIME 2348

NO. DEPTHS 10
 SOUNDING 0277
 BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	2.5	9	14.68	0.02	0.3	324	11.50	0.044
4.0			14.67	0.02	0.2	323	11.62	
7.0			14.65	0.01	0.3	322	11.62	
9.0			14.00	0.10	0.3	321	11.56	
12.0			10.12	0.01	0.3	322	11.55	
15.0			6.76	0.02	0.4	326	10.53	
18.0			6.50	0.04	0.5	325	10.43	
21.0			6.52	0.01	0.5	325	10.35	
23.0			6.51	0.01	21.5	324	10.19	
25.0			6.48	0.01	45.0	324	8.71	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.011	0.028	0.010	0.175	7.5
4.0					
7.0					
9.0					
12.0					
15.0					
18.0					
21.0					
23.0					
25.0					

C-REF-NO 104
 CONS. NO 007
 COUNTRY 18
 INSTITUTE 22

LAT 42-44-24N
 LON 079-27-06W

YEAR 1968
 MONTH 06
 DAY 16
 TIME 0057

NO. DEPTHS 06
 SOUNDING 0165
 BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			14.09	0.01	0.3	335	11.48	0.042
4.0			14.07	0.03	0.5	324	11.47	
7.0			13.62	0.01	0.6	322	11.22	
10.0			12.97	0.04	0.4	322	11.13	
13.0			10.96	0.08	0.4	326	10.81	
16.0			8.23	0.01	0.4	326	9.85	

DEPTH	SR P04	NH3	TFNO3	R SID2	CHLORA
1.0	0.009	0.020	0.006	0.145	4.9
4.0					
7.0					
10.0	0.005	0.005	0.010	0.170	
13.0					
16.0	0.014	0.013	0.070	0.120	

C-REF-NO 104
 CONS. NO 008
 COUNTRY 18
 INSTITUTE 22

LAT 42-49-30N
 LON 079-34-36W

YEAR 1968
 MONTH 06
 DAY 16
 TIME 0215

NO. DEPTHS 05
 SOUNDING 0143
 BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			13.52	0.01	0.4	325	11.50	0.050
4.0			13.22	0.02	0.5	328	11.45	
7.0			11.81	0.00	0.6	328	11.13	
10.0			10.50	0.01	0.7	331	10.74	
13.0			8.03	0.01	0.6	325	10.19	

DEPTH	SR P04	NH3	TFNO3	R SID2	CHLORA
1.0	0.011	0.016	0.005	0.090	6.7
4.0					
7.0					
10.0					
13.0					

C-REF-NO 104
 CONS. NO 009
 COUNTRY 18
 INSTITUTE 22

LAT 42-48-54N
 LON 079-45-48W

YEAR 1968
 MONTH 06
 DAY 16
 TIME 0330

NO. DEPTHS 04
 SOUNDING 0104
 BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			11.71	0.03	0.5	326	10.97	
4.0			11.65	0.03	0.5	324	11.14	
7.0			11.27	0.01	0.4	325	11.13	
10.0			7.80	0.04	0.5	325	10.58	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0					5.5
4.0					
7.0					
10.0					

C-REF-NO 104
 CONS. NO 010
 COUNTRY 18
 INSTITUTE 22

LAT 42-40-48N
 LON 079-41-30W

YEAR 1968
 MONTH 06
 DAY 16
 TIME 0444

NO. DEPTHS 11
 SOUNDING 0329
 BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			14.12	0.00	0.2	317	11.59	
4.0			14.12	0.01	0.2	323	11.67	
7.0			13.97	0.01	0.2	321	11.45	
10.0			13.48	0.04	0.2	315	11.51	
13.0			10.00	0.02			11.83	
16.0			7.18	0.00	0.3	323	11.83	
19.0			6.14	0.01	0.4	330	11.20	
22.0			5.95	0.01	0.8	321	11.13	
25.0			5.90	0.01	0.7	320	11.09	
28.0			5.86	0.02	4.0	322	11.05	
31.0			5.86	0.02	1.7	318	11.05	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0					6.9
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
22.0					
25.0					
28.0					
31.0					

C-REF-NO 104
CONS. NO 011

COUNTRY 18
INSTITUTE 22

LAT 42-30-06N
LON 079-36-00W

YEAR 1968
MONTH 06
DAY 16
TIME 0612

NO. DEPTHS 13
SOUNDING 0457
BT SLIDE NO 011

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			13.49	0.02	0.3	320	11.69	
4.0			13.49	0.02	0.4	318	11.89	
7.0			13.49	0.01	0.3	318	12.01	
10.0			13.37	0.02	0.4	320	11.84	
13.0			11.56	0.03	0.4	322	11.48	
16.0			9.46	0.02	0.3	324	11.37	
19.0			9.09	0.01	0.2	326	11.13	
22.0			7.56	0.02	0.1	327	11.08	
25.0			6.57	0.01	0.1	326	12.04	
28.0			5.90	0.04	0.2	326	12.01	
31.0			5.10	0.00	0.7	327	11.95	
37.0			4.95	0.00	0.5	328	11.43	
43.0			4.84	0.01	0.6	328	11.55	

DEPTH	SR P04	NH3	TFNO3	R	SI02	CHLORA
1.0						8.8
4.0						
7.0						
10.0						
13.0						
16.0						
19.0						
22.0						
25.0						
28.0						
31.0						
37.0						
43.0						

C-REF-NO 104
 CONS. NO 012
 COUNTRY 18
 INSTITUTE 22

LAT 42-23-54N
 LON 079-32-48W

YEAR 1968
 MONTH 06
 DAY 16
 TIME 0732

NO. DEPTHS 07
 SOUNDING 0201
 BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			17.18	0.01	0.8	335	9.80	
4.0			17.18	0.02	0.8	333	9.86	
7.0			17.18	0.02	0.8	333	9.88	
10.0			16.95	0.08	0.7	333	9.85	
13.0			15.78	0.00	0.4	325	10.47	
16.0			15.63	0.00	0.3	325	10.83	
19.0			12.94	0.05	0.7	328	10.08	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0					8.7
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					

C-REF-NO 104
 CONS. NO 013
 COUNTRY 18
 INSTITUTE 22

LAT 42-18-00N
 LON 079-45-48W

YEAR 1968
 MONTH 06
 DAY 16
 TIME 0855

NO. DEPTHS 07
 SOUNDING 0177
 BT SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			17.16	0.01	1.1	334	9.60	0.057
4.0			17.15	0.03	1.2	335	9.54	
7.0			17.17	0.01	1.1	333	9.56	
10.0			16.84	0.00	1.0	333	9.57	
13.0			16.20	0.00	0.7	328	9.93	
16.0			15.24	0.00	0.4	325	10.71	
17.0			10.42	0.04	0.7	329	9.51	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.011	0.010	0.130	0.170	7.8
4.0					
7.0					
10.0					
13.0					
16.0					
17.0					

C-REF-NO 104
CONS. NO 014
COUNTRY 18
INSTITUTE 22

LAT 42-26-00N
LON 079-50-00W

YEAR 1968
MONTH 06
DAY 16
TIME 1011

NO. DEPTHS 14
SOUNDING 0482
BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	2.5	10	13.23	0.02	0.2	329	11.76	0.047
4.0			13.24	0.01	0.4	321	11.77	
7.0			13.25	0.01	0.5	320	11.79	
10.0			13.17	0.03	0.4	318	11.77	
13.0			9.92	0.01	0.4	323	11.42	
16.0			7.31	0.00	0.3	325	11.39	
19.0			6.90	0.01	0.4	323	11.37	
21.0			7.05	0.02	0.3	331	11.36	
24.0			6.69	0.00	0.5	327	11.53	
27.0			6.38	0.03	0.4	327	11.91	
30.0			6.25	0.01	0.5	320	11.93	
36.0			5.83	0.01	0.4	319	12.22	
41.0			5.31	0.01	0.6	328	12.05	
45.0			5.11	0.01	1.1	328	11.53	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.006	0.011	0.000	0.085	9.1
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
21.0					
24.0					
27.0					
30.0					
36.0					
41.0					
45.0					

C-REF-NO 104
 CONS. NO 015
 COUNTRY 18
 INSTITUTE 22

LAT 42-31-06N
 LON 079-53-24W

YEAR 1968
 MONTH 06
 DAY 16
 TIME 1134

NO. DEPTHS 17
 SOUNDING 0637
 BT SLIDE NO 015

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	2.0	10	13.22	0.01	0.3	326	11.70	
4.0			13.21	0.02	0.2	322	11.82	
7.0			13.18	0.01	0.3	326	11.88	
10.0			12.94	0.02	0.2	324	11.91	
13.0			11.76	0.03	0.2	327	11.71	
16.0			8.86	0.02	0.3	330	11.47	
19.0			7.39	0.02	0.2	329	11.39	
22.0			6.95	0.01	0.2	328	11.63	
25.0			6.69	0.01	0.1	328	11.77	
28.0			6.65	0.01	0.1	333	11.85	
31.0			6.64	0.00	0.2	331	11.85	
37.0			5.91	0.01	0.2	335	12.10	
43.0			4.93	0.03	0.5	330	11.73	
49.0			4.78	0.02	0.7	331	11.39	
55.0					0.4	332	11.93	
61.0					0.6	329	11.65	
63.0					0.6	331	11.70	

DEPTH	SR P04	NH3	TFN03	R SID2	CHLORA
1.0					8.4
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
22.0					
25.0					
28.0					
31.0					
37.0					
43.0					
49.0					
55.0					
61.0					
63.0					

C-REF-NO 104
 CONS. NO 016
 COUNTRY 18
 INSTITUTE 22

LAT 42-36-36N
 LON 079-56-06W

YEAR 1968
 MONTH 06
 DAY 16
 TIME 1323

NO. DEPTHS 14
 SOUNDING 0482
 BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.0	9	14.26	0.00	0.2	328	11.27	0.040
4.0			14.26	0.02	0.2	325	11.39	
7.0			14.27	0.02	0.3	324	11.43	
10.0			13.69	0.05	0.2	327	11.40	
13.0			9.30	0.01	0.2	328	11.73	
16.0			8.29	0.02	0.4	329	11.76	
19.0			6.46	0.01	0.1	328	11.94	
22.0			6.17	0.02	0.1	327	12.11	
25.0			5.83	0.03	0.1	329	12.22	
28.0			5.80		0.9	329	11.70	
30.0			5.03	0.01	1.0	331	11.77	
36.0			5.00	0.00	0.9	334	11.67	
42.0			4.98	0.01	1.1	330	11.63	
46.0			4.94	0.03	3.2	330	11.62	

DEPTH	SR P04	NH3	TFN03	R SID2	CHLORA
1.0	0.006	0.015	0.004	0.150	6.9
4.0					
7.0					
10.0	0.009	0.002	0.001	0.120	
13.0					
16.0					
19.0					
22.0					
25.0					
28.0					
30.0					
36.0					
42.0					
46.0	0.015	0.016	0.100	0.220	

C-REF-NO 104
 CONS. NO 017
 COUNTRY 18
 INSTITUTE 22

LAT 42-45-12N
 LON 080-00-48W

YEAR 1968
 MONTH 06
 DAY 16
 TIME 1459

NO. DEPTHS 05
 SOUNDING 0143
 BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.0	8	12.44	0.02	0.8	325	10.54	
4.0			12.44	0.02	0.6	327	10.88	
7.0			12.27	0.00	0.4	321	10.85	
10.0			8.85	0.02	0.5	323	10.47	
13.0			7.83	0.01	0.7	328	10.31	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0					4.9
4.0					
7.0					
10.0					
13.0					

C-REF-NO 104
 CONS. NO 018
 COUNTRY 18
 INSTITUTE 22

LAT 42-44-54N
 LON 080-06-06W

YEAR 1968
 MONTH 06
 DAY 16
 TIME 1537

NO. DEPTHS 01
 SOUNDING 0116
 BT SLIDE NO 018

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
7.0			14.73	0.02				

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
7.0					

C-REF-NO 104
 CONS. NO 019
 COUNTRY 18
 INSTITUTE 22

LAT 42-42-42N
 LON 080-14-54W

YEAR 1968
 MONTH 06
 DAY 16
 TIME 1634

NO. DEPTHS 04
 SOUNDING 0090
 BT SLIDE NO 019

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.5	11	14.29	0.00	0.3	318	11.00	
4.0			14.26		0.5	320	11.03	
7.0			14.09	0.01	0.3	323	11.02	
9.0			10.03	0.01	0.7	324	10.77	

DEPTH	SR P04	NH3	TFN03	R SIC2	CHLORA
1.0					4.2
4.0					
7.0					
9.0					

C-REF-NO 104
 CONS. NO 020
 COUNTRY 18
 INSTITUTE 22

LAT 42-30-54N
 LON 080-09-12W

YEAR 1968
 MONTH 06
 DAY 16
 TIME 1850

NO. DEPTHS 10
 SOUNDING 0293
 BT SLIDE NO 020

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	1.0	11	12.76	0.00	1.3	324	10.34	
4.0			12.09	0.02	1.7	329	10.54	
7.0			11.63	0.01	2.1	322	10.63	
10.0			11.13	0.00	1.1	325	10.77	
13.0			10.98	0.01			10.87	
16.0			10.99	0.01	1.2	324	10.93	
19.0			10.99	0.01	1.2	323	10.88	
21.0			10.81	0.01	1.6	320	10.94	
25.0			9.91	0.01	1.1	324	11.02	
28.0			8.20	0.04	1.7	325	10.85	

DEPTH	SR P04	NH3	TFN03	R SIC2	CHLORA
1.0					1.6
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
21.0					
25.0					
28.0					

C-REF-NO 104
 CONS. NO 021
 COUNTRY 18
 INSTITUTE 22

LAT 42-21-48N
 LON 080-04-24W

YEAR 1968
 MONTH 06
 DAY 16
 TIME 2004

NO. DEPTHS 12
 SOUNDING 0380
 BT SLIDE NO 021

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	1.5	10	14.74	0.01			10.99	
4.0			14.72	0.02	0.3	323	11.22	
7.0			14.64	0.00	0.3	323	11.23	
10.0			14.20	0.01	0.3	321	11.10	
13.0			13.16	0.02	0.3	326	11.00	
16.0			8.70	0.00	0.3	330	10.74	
19.0			7.24	0.01	0.3	328	11.42	
22.0			6.16	0.01	0.2	329	11.76	
25.0			5.50	0.00	0.2	329	12.00	
28.0			5.15	0.02	0.7	320	11.39	
31.0			5.03	0.00	0.9	332	11.30	
37.0			5.10	0.00	1.0	330	11.30	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0					4.9
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
22.0					
25.0					
28.0					
31.0					
37.0					

C-REF-NO 104
 CONS. NO 022
 COUNTRY 18
 INSTITUTE 22

LAT 42-12-24N
 LON 079-59-30W

YEAR 1968
 MONTH 06
 DAY 16
 TIME 2135

NO. DEPTHS 06
 SOUNDING 0150
 BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	1.5	10	17.52	0.01	1.1	331	9.63	
4.0			17.46	0.02	1.1	331	9.70	
7.0			17.48	0.01	1.1	340	9.70	
10.0			17.12	0.01	1.2	331	9.33	
13.0			16.44	0.02	0.9	333	9.14	
14.0			15.69	0.00	1.0	333	8.90	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0					9.5
4.0					
7.0					
10.0					
13.0					
14.0					

C-REF-NO 104
 CONS. NO 023
 COUNTRY 18
 INSTITUTE 22

LAT 42-07-00N
 LON 080-12-42W

YEAR 1968
 MONTH 06
 DAY 16
 TIME 2255

NO. DEPTHS 03
 SOUNDING 0082
 BT SLIDE NO 023

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.0	11	16.83	0.01	1.7	336	9.59	0.031
4.0			16.89	0.02	1.8	335	9.62	
7.0			16.65	0.01	2.3	342	9.45	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.016	0.025	0.112	0.140	10.8
4.0					
7.0					

C-REF-NO 104
 CONS. NO 024
 COUNTRY 18
 INSTITUTE 22

LAT 42-17-36N
 LON 080-18-18W

YEAR 1968
 MONTH 06
 DAY 17
 TIME 0022

NO. DEPTHS 06
 SOUNDING 0158
 BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	3.0	8	14.68	0.02	0.4	340	11.02	0.040
4.0			14.72	0.01	0.3	323	11.07	
7.0			14.00	0.02	0.5	322	11.16	
10.0			13.74	0.00	0.4	322	11.02	
13.0			7.88	0.02	0.5	333	10.56	
14.0			7.83	0.01	0.5	331	10.62	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.009	0.015	0.016	0.108	7.2
4.0					
7.0					
10.0					
13.0	0.009	0.005	0.016	0.084	
14.0	0.011	0.005	0.012	0.084	

C-REF-NO 104
 CONS. NO 025
 COUNTRY 18
 INSTITUTE 22

LAT 42-28-12N
 LON 080-24-24W

YEAR 1968
 MONTH 06
 DAY 17
 TIME 0154

NO. DEPTHS 06
 SOUNDING 0152
 BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			15.91	0.01	0.7	337	10.42	0.044
4.0			15.69	0.02	0.8	323	10.57	
7.0			15.18	0.00	0.9	321	10.56	
10.0			14.84	0.01	0.9	322	10.39	
13.0			7.85	0.00	1.0	329	10.56	
14.0			7.68	0.00	0.9	329	10.68	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.010	0.025	0.050	0.148	6.2
4.0					
7.0					
10.0					
13.0					
14.0					

C-REF-NO 104
 CONS. NO 026
 COUNTRY 18
 INSTITUTE 22

LAT 42-33-30N
 LON 080-27-12W

YEAR 1968
 MONTH 06
 DAY 17
 TIME 0247

NO. DEPTHS 04
 SOUNDING 0101
 BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			14.60	0.00	4.0	342	9.76	0.031
4.0			14.30	0.02	3.4	327	9.77	
7.0			13.62	0.01	3.0	326	9.51	
9.0			12.78	0.01	5.0	332	8.70	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.009	0.012	0.072	0.208	6.2
4.0					
7.0					
9.0					

C-REF-NO 104
 CONS. NO 027
 COUNTRY 18
 INSTITUTE 22

LAT 42-34-30N
 LON 080-44-00W

YEAR 1968
 MONTH 06
 DAY 17
 TIME 0423

NO. DEPTHS 06
 SOUNDING C160
 BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			15.93	0.00	0.7	322	9.93	
4.0					1.2	325	10.08	
7.0			14.93	0.00	1.0	323	9.77	
10.0			13.83	0.04	2.2	325	9.19	
13.0			12.04	0.02	2.6	331	8.23	
16.0			11.96	0.01	3.3	327	8.10	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0					5.1
4.0					
7.0					
10.0					
13.0					
16.0					

C-REF-NO 104
 CONS. NO 028
 COUNTRY 18
 INSTITUTE 22

LAT 42-24-00N
 LON 080-38-12W

YEAR 1968
 MONTH 06
 DAY 17
 TIME 0542

NO. DEPTHS 07
 SOUNDING 0204
 BT SLIDE NO. 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			15.83	0.02	0.2	322	10.39	
4.0					0.8	320	10.54	
7.0			15.66	0.02	0.3	318	10.54	
10.0			15.47	0.02	0.2	319	10.39	
13.0			10.21	0.02	0.3	329	8.91	
16.0			10.18	0.00	0.4	330	8.71	
19.0			10.18	0.00	0.4	327	8.76	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0					4.9
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					

C-REF-NO 104
 CONS. NO 029
 COUNTRY 18
 INSTITUTE 22

LAT 42-13-18N
 LON 080-32-42W

YEAR 1968
 MONTH 06
 DAY 17
 TIME 0701

NO. DEPTHS 07
 SOUNDING 0223
 BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			15.31		0.2	324	10.79	
4.0			15.30	0.00	0.3	324	10.91	
7.0			14.96	0.04	0.3	320	10.77	
10.0			14.77	0.02	0.2	323	10.50	
13.0			13.04	0.01	0.2	325	10.02	
16.0			9.56	0.01	0.2	329	10.34	
19.0			9.56	0.02	0.2	329	9.16	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0					5.2
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					

C-REF-NO 104
 CONS. NO 030
 COUNTRY 18
 INSTITUTE 22

LAT 42-02-48N
 LON 080-27-06W

YEAR 1968
 MONTH 06
 DAY 17
 TIME 0824

NO. DEPTHS 05
 SOUNDING 0131
 BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0					0.8	331	9.71	
4.0			16.70	0.00	0.9	331	9.73	
7.0			16.58	0.03	0.9	331	9.73	
10.0			16.14	0.01	0.5	326	9.62	
13.0			14.33	0.01	0.7	330	8.73	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0					9.7
4.0					
7.0					
10.0					
13.0					

C-REF-NO 104
 CONS. NO 031
 COUNTRY 18
 INSTITUTE 22

LAT 41-58-36N
 LON 080-40-48W

YEAR 1968
 MONTH 06
 DAY 17
 TIME 0954

NO. DEPTHS 06
 SOUNDING 0155
 BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.8	11	16.90	0.01	0.9	325	9.50	0.054
4.0			16.91	0.01	0.8	325	9.56	
7.0			16.92	0.00	1.0	325	9.57	
10.0			16.32	0.00	1.0	323	9.42	
13.0			16.21	0.00	1.2	325	9.23	
15.0			16.03	0.01	1.3	326	9.14	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.032	0.053	0.092	0.360	11.4
4.0					
7.0					
10.0					
13.0					
15.0					

C-REF-NO 104
 CONS. NO 032
 COUNTRY 18
 INSTITUTE 22

LAT 42-09-06N
 LON 080-46-30W

YEAR 1968
 MONTH 06
 DAY 17
 TIME 1122

NO. DEPTHS 08
 SOUNDING 0226
 BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	3.0	10	15.10	0.00	0.1	339	10.85	0.030
4.0			15.11	0.00	0.2	329	10.87	
7.0			15.01	0.00	0.2	326	10.87	
10.0			14.82	0.02	0.3	326	10.71	
13.0			14.01	0.00	0.3	326	10.39	
16.0			9.96	0.01	0.6	332	8.77	
19.0			9.92	0.04	0.6	332	8.39	
22.0			9.92	0.00	0.6	332	8.26	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.010	0.029	0.016	0.084	11.4
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
22.0					

C-REF-NO 104
 CONS. NO 033
 COUNTRY 18
 INSTITUTE 22

LAT 42-19-42N
 LON 080-52-42W

YEAR 1968
 MONTH 06
 DAY 17
 TIME 1256

NO. DEPTHS 08
 SOUNDING 0210
 BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	4.5	8	15.02	0.00	0.3	326	9.88	
4.0			15.03	0.00	0.2	325	10.62	
7.0			15.02	0.01	0.6	326	10.70	
10.0			14.95	0.01	0.1	326	10.57	
13.0			14.73	0.00	0.1	327	10.54	
16.0			14.10	0.03	0.1	325	10.33	
19.0			9.54	0.03	0.3	330	8.85	
20.0			9.52	0.02	0.4	329	8.80	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					6.2
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
20.0					

C-REF-NO 104
 CONS. NO 034
 COUNTRY 18
 INSTITUTE 22

LAT 42-30-00N
 LON 080-58-24W

YEAR 1968
 MONTH 06
 DAY 17
 TIME 1419

NO. DEPTHS 07
 SOUNDING 0192
 BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.5	10	15.25	0.01	0.6	337	10.16	0.034
4.0			15.26	0.02	0.6	324	10.16	
7.0			15.07	0.01	0.6	321	10.07	
10.0			15.01	0.01	0.6	323	10.05	
13.0			13.66	0.03	0.6	324	9.97	
16.0			10.23	0.01	0.5	332	9.00	
18.0			10.21	0.01	0.5	330	8.96	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.010	0.017	0.050	0.140	4.8
4.0					
7.0					
10.0	0.010	0.012	0.044	0.072	
13.0					
16.0					
18.0	0.008	0.020	0.040	0.152	

C-REF-NO 104
 CONS. NO 035
 COUNTRY 18
 INSTITUTE 22

LAT 42-37-54N
 LON 081-02-36W

YEAR 1968
 MONTH 06
 DAY 17
 TIME 1533

NO. DEPTHS 04
 SOUNDING 0113
 BT SLIDE NO 035

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	1.0	10	14.30	0.01	3.2	340	9.82	0.034
4.0			13.87	0.01	4.4	326	9.83	
7.0			13.77	0.02	4.6	323	9.66	
10.0			12.03	0.03	5.3	327	8.13	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.014	0.038	0.088	0.128	5.4
4.0					
7.0					
10.0					

C-REF-NO 104
 CONS. NO 036
 COUNTRY 18
 INSTITUTE 22

LAT 42-36-18N
 LON 081-17-54W

YEAR 1968
 MONTH 06
 DAY 17
 TIME 1654

NO. DEPTHS 05
 SOUNDING 0128
 BT SLIDE NO 036

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.0	11	12.28	0.00	0.8	322	10.36	
4.0			12.08	0.01	0.5	318	10.31	
7.0			11.76	0.01	0.6	328	9.93	
10.0			11.55	0.01	0.5	328	9.82	
12.0			11.37	0.01	1.0	324	9.50	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0					5.8
4.0					
7.0					
10.0					
12.0					

C-REF-NO 104
 CONS. NO 037
 COUNTRY 18
 INSTITUTE 22

LAT 42-15-12N
 LON 081-06-24W

YEAR 1968
 MONTH 06
 DAY 17
 TIME 1913

NO. DEPTHS 08
 SOUNDING 0219
 BT SLIDE NO 037

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	5.0	9	15.29	0.02	0.3	324	10.77	
4.0			15.31	0.00	0.2	323	10.76	
7.0			15.02	0.00	0.2	325	10.77	
10.0			14.72	0.01	0.2	321	10.74	
13.0			14.62	0.00	0.3	330	10.53	
16.0			13.72	0.00	0.3	323	9.99	
19.0			9.72	0.03	0.4	323	8.46	
21.0			9.71	0.00	0.5	323	8.42	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0					2.9
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
21.0					

C-REF-NO 104
 CONS. NO 038
 COUNTRY 18
 INSTITUTE 22

LAT 41-54-24N
 LON 080-55-00W

YEAR 1968
 MONTH 06
 DAY 17
 TIME 2138

NO. DEPTHS 06
 SOUNDING 0152
 BT SLIDE NO 038

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	1.5	11	18.09	0.01	1.3	338	8.50	
4.0			17.93	0.00	1.7	335	8.31	
7.0			17.74	0.01	1.9	334	8.28	
10.0			17.52	0.00	1.7	334	8.25	
13.0			17.33	0.02	1.8	337	8.13	
15.0			17.06	0.02	3.6	333	8.00	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0					5.4
4.0					
7.0					
10.0					
13.0					
15.0					

C-REF-NO 104
 CONS. NO C39
 COUNTRY 18
 INSTITUTE 22

LAT 41-45-48N
 LON 081-23-00W

YEAR 1968
 MONTH 06
 DAY 18
 TIME 0004

NO. DEPTHS C6
 SOUNDING 0160
 BT SLIDE NO 039

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	1.7	11	19.70	0.02	1.7	334	8.17	C.292
4.0			19.53	0.01	1.8	333	8.16	
7.0			19.32	0.02	1.9	335	8.16	
10.0			18.53	0.01	1.5	315	8.31	
13.0			16.98	0.03	1.3	313	8.54	
15.0			14.85	0.02	1.7	318	7.23	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.135	0.824	0.212	0.590	2.2
4.0					
7.0					
10.0	0.035	0.206	0.162	0.410	
13.0					
15.0	0.041	0.288	0.160	0.455	

C-REF-NO 104
 CONS. NO 040
 COUNTRY 18
 INSTITUTE 22

LAT 41-56-06N
 LON 081-28-42W

YEAR 1968
 MONTH 06
 DAY 18
 TIME 0138

NO. DEPTHS 08
 SOUNDING 0232
 BT SLIDE NO 040

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			15.91	0.01	0.2	330	10.40	0.021
4.0			15.99	0.00	0.1	316	10.47	
7.0			15.50	0.00	0.2	317	10.45	
10.0			15.15	0.00	0.1	317	10.23	
13.0			14.77	0.01	0.2	319	9.85	
16.0			12.61	0.07	0.2	318	9.20	
19.0			10.20	0.04	0.3	324	8.16	
22.0			10.15	0.01	0.4	321	8.14	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.005	0.078	0.077	0.235	1.2
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
22.0					

C-REF-NO 104
 CONS. NO 041
 COUNTRY 18
 INSTITUTE 22

LAT 42-06-36N
 LON 081-34-30W

YEAR 1968
 MONTH 06
 DAY 18
 TIME 0309

NO. DEPTHS 09
 SOUNDING 0244
 BT SLIDE NO 041

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			14.89	0.01	0.2	341	10.77	0.027
4.0			14.95	0.01	0.2	325	10.82	
7.0			14.45	0.03	0.2	325	10.85	
10.0			13.97	0.02	0.2	325	10.82	
13.0			13.73	0.02	0.2	324	10.73	
16.0			13.37	0.02	0.2	325	10.47	
19.0			9.46	0.01	0.3	325	9.23	
22.0			9.31	0.00	0.4	324	8.77	
23.0			9.33	0.00	0.3	324	8.77	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.010	0.033	0.008	0.200	2.6
4.0					
7.0					
10.0	0.009	0.025	0.003	0.170	
13.0					
16.0					
19.0					
22.0					
23.0	0.009	0.062	0.032	0.340	

C-REF-NO 104
 CONS. NO C42
 COUNTRY 18
 INSTITUTE 22

LAT 42-16-54N
 LON 081-40-18W

YEAR 1968
 MONTH 06
 DAY 18
 TIME 0440

NO. DEPTHS 08
 SOUNDING 0220
 BT SLIDE NO 042

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			15.03	0.00	0.1	329	10.87	
4.0			15.05	0.01	0.1	326	10.85	
7.0			14.99	0.01	0.1	325	10.90	
10.0			14.26	0.02	0.1	327	10.97	
13.0			14.02	0.01	0.2	326	10.70	
16.0			12.82	0.00	0.2	331	10.43	
19.0			9.01	0.03	0.2	326	9.30	
22.0			9.00	0.03	0.2	328	9.28	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					3.0
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
22.0					

C-REF-NO 104
 CONS. NO 043
 COUNTRY 18
 INSTITUTE 22

LAT 42-23-48N
 LON 081-44-00W

YEAR 1968
 MONTH 06
 DAY 18
 TIME 0539

NO. DEPTHS 04
 SOUNDING 0122
 BT SLIDE NO 043

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.78	0.01	1.2	324	10.47	0.020
4.0			12.46	0.03	1.1	327	10.27	
7.0			12.28	0.01	1.3	327	10.16	
10.0			11.67	0.02	1.7	324	9.54	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.005	0.029	0.052	0.390	3.0
4.0					
7.0					
10.0					

C-REF-NO 104
 CONS. NO 044
 COUNTRY 18
 INSTITUTE 22

LAT 42-12-12N
 LON 081-54-24W

YEAR 1968
 MONTH 06
 DAY 18
 TIME 0715

NO. DEPTHS 06
 SOUNDING 0165
 BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			13.08	0.00	1.3	312	10.13	
4.0			13.28	0.02	1.1	312	10.30	
7.0			12.58	0.05	1.5	314	9.93	
10.0			12.08	0.02	1.4	311	9.45	
13.0			11.77	0.00	1.6	311	10.63	
15.0			11.03	0.02	1.6	309	8.05	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					4.0
4.0					
7.0					
10.0					
13.0					
15.0					

C-REF-NO 104
 CONS. NO 045
 COUNTRY 18
 INSTITUTE 22

LAT 42-02-12N
 LON 081-48-42W

YEAR 1968
 MONTH 06
 DAY 18
 TIME 0837

NO. DEPTHS 08
 SOUNDING 0253
 BT SLIDE NO 045

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			14.37	0.00	0.3	322	11.03	
4.0			14.38	0.00	0.2	322	11.03	
7.0			14.24	0.02	0.2	325	11.07	
10.0			13.67	0.03	0.2	323	10.99	
13.0			13.37	0.01	0.2	323	10.71	
16.0			11.72	0.01	0.3	326	10.27	
19.0			9.27	0.00	0.3	328	8.71	
22.0			9.25	0.00	0.3	328	8.63	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0					3.0
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
22.0					

C-REF-NO 104
 CONS. NO 046
 COUNTRY 18
 INSTITUTE 22

LAT 41-51-48N
 LON 081-42-30W

YEAR 1968
 MONTH 06
 DAY 18
 TIME 1000

NO. DEPTHS 09
 SOUNDING 0247
 BT SLIDE NO 046

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	6.0	8	14.90	0.00	0.1	322	10.43	
4.0			14.97	0.01	0.1	323	10.20	
7.0			14.63	0.00	0.2	323	10.39	
10.0			14.62	0.01	0.1	322	10.40	
13.0			13.95	0.01	0.1	322	10.30	
16.0			9.76	0.01	0.2	323	8.46	
19.0			9.59	0.00	0.2	325	8.26	
22.0			9.57	0.01	0.2	324	8.19	
24.0			9.55	0.03	28.0	321	7.83	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0					2.2
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
22.0					
24.0					

C-REF-NO 104
 CONS. NO 047
 COUNTRY 18
 INSTITUTE 22

LAT 41-41-24N
 LON 081-36-42W

YEAR 1968
 MONTH 06
 DAY 18
 TIME 1133

NO. DEPTHS 07
 SOUNDING 0198
 BT SLIDE NO 047

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			18.07	0.03	1.4	306	8.74	
4.0			18.09	0.01	1.4	303	8.73	
7.0			17.04	0.01	1.0	306	8.80	
10.0			16.50	0.00	0.8	309	8.93	
13.0			16.01	0.00	0.7	311	9.20	
16.0			15.51	0.00	0.4	312	9.23	
19.0			11.96	0.01	5.2	321	6.46	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0					1.7
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					

C-REF-NO 104
 CONS. NO 048
 COUNTRY 18
 INSTITUTE 22

LAT 41-34-42N
 LON 081-36-06W

YEAR 1968
 MONTH 06
 DAY 18
 TIME 1237

NO. DEPTHS 05
 SOUNDING 0122
 BT SLIDE NO 048

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	1.0	11	18.99	0.01	2.7	319	7.54	C.252
4.0			18.94	0.00	2.7	312	7.48	
7.0			18.57	0.05	2.7	307	7.46	
10.0			18.20	0.00	2.1	302	7.31	
11.0			18.01	0.00	2.1	303	7.29	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.180	0.214	0.230	0.275	3.3
4.0					
7.0					
10.0					
11.0					

C-REF-NO 104
 CONS. NO 049
 COUNTRY 18
 INSTITUTE 22

LAT 41-33-48N
 LON 081-42-30W

YEAR 1968
 MONTH 06
 DAY 18
 TIME 1324

NO. DEPTHS 05
 SOUNDING 0146
 BT SLIDE NO 049

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	1.5	10	18.98	0.03	1.2	324	8.22	0.268
4.0			18.99	0.01	1.3	311	8.22	
7.0			18.93	0.03	1.3	310	8.25	
10.0			18.84	0.00	1.2	308	8.25	
13.0			18.07	0.01	1.2	303	7.96	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.130	0.165	0.170	0.520	3.3
4.0					
7.0					
10.0					
13.0					

C-REF-NO 104
 CONS. NO 050
 COUNTRY 18
 INSTITUTE 22

LAT 41-32-42N
 LON 082-04-24W

YEAR 1968
 MONTH 06
 DAY 18
 TIME 1515

NO. DEPTHS 06
 SOUNDING 0158
 BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	1.0	11	18.92	0.02	1.9	308	7.93	0.300
4.0			18.90	0.01	2.0	398	7.93	
7.0			18.81	0.01	1.9	297	8.50	
10.0			17.09	0.00	1.0	297	8.23	
13.0			12.71	0.00	1.0	314	6.69	
14.0			12.68	0.02	1.0	313	6.73	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.095	0.152	0.140	0.415	3.5
4.0					
7.0					
10.0					
13.0					
14.0					

C-REF-NO 104
 CONS. NO 051
 COUNTRY 18
 INSTITUTE 22

LAT 41-42-54N
 LON 082-10-12W

YEAR 1968
 MONTH 06
 DAY 18
 TIME 1641

NO. DEPTHS 07
 SOUNDING 0189
 BT SLIDE NO 051

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.0	10	16.60	0.03	0.4	310	10.07	0.176
4.0			16.08	0.02	0.2	312	10.16	
7.0			16.00	0.01	0.2	313	10.00	
10.0			15.76	0.01	0.1	317	9.85	
13.0			15.66	0.00	0.1	315	9.66	
16.0			15.16	0.01	0.2	313	9.63	
18.0			10.64	0.01	0.7	320	7.33	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.109	0.086		0.925	3.6
4.0					
7.0					
10.0					
13.0					
16.0	0.030	0.042		0.490	
18.0	0.039	0.095	0.200	1.200	

C-REF-NO 104
 CONS. NO 052
 COUNTRY 18
 INSTITUTE 22

LAT 41-53-18N
 LON 082-16-12W

YEAR 1968
 MONTH 06
 DAY 18
 TIME 1807

NO. DEPTHS 06
 SOUNDING 0180
 BT SLIDE NO 052

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	4.5	8	16.69	0.02	0.4	303	9.62	0.038
4.0			16.59	0.01	0.4	307	9.70	
7.0			16.29	0.01	0.4	304	8.53	
10.0			16.08	0.00	0.4	308	9.39	
13.0			15.87	0.00	0.4	310	9.39	
16.0			11.20	0.03	0.5	315	7.59	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.028	0.070	0.220	0.750	3.6
4.0					
7.0					
10.0					
13.0					
16.0					

C-REF-NO 104
 CONS. NO 053
 COUNTRY 18
 INSTITUTE 22

LAT 42-03-48N
 LON 082-22-24W

YEAR 1968
 MONTH 06
 DAY 18
 TIME 1928

NO. DEPTHS 05
 SOUNDING 0146
 BT SLIDE NO 053

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.0	10	16.79	0.01	0.8	305	9.63	0.045
4.0			16.80	0.01	0.6	299	9.65	
7.0			16.44	0.03	0.6	301	9.62	
10.0			16.29	0.01	0.6	301	9.33	
13.0			12.60	0.03	0.7	303	8.25	

DEPTH	SR P04	NH3	TFNO3	R SID2	CHLORA
1.0	0.025	0.059	0.293	0.700	2.9
4.0					
7.0					
10.0					
13.0					

C-REF-NO 104
 CONS. NO 054
 COUNTRY 18
 INSTITUTE 22

LAT 41-25-12N
 LON 082-30-12W

YEAR 1968
 MONTH 06
 DAY 18
 TIME 2321

NO. DEPTHS 04
 SOUNDING 0107
 BT SLIDE NO 054

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	1.2	11	18.97	0.00	3.6	312	8.28	0.145
4.0			18.82	0.02	3.2	301	8.57	
7.0			18.71	0.07	3.5	299	8.23	
10.0			18.39	0.00	3.8	301	8.00	

DEPTH	SR P04	NH3	TFNO3	R SID2	CHLORA
1.0	0.084	0.130	0.225	0.720	6.9
4.0					
7.0					
10.0	0.120	0.164	0.225	1.375	

C-REF-NO 104
 CONS. NO 055
 COUNTRY 18
 INSTITUTE 22

LAT 41-44-18N
 LON 082-44-00W

YEAR 1968
 MONTH 06
 DAY 19
 TIME 0140

NO. DEPTHS 04
 SOUNDING 0091
 BT SLIDE NO 055

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			19.21	0.02	1.9	307	9.93	0.108
4.0			19.22	0.01	2.0	293	9.97	
7.0			19.21	0.01	1.8	292	9.97	
8.0			19.21	0.01	1.7	292	9.97	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.050	0.058	0.300	1.000	14.3
4.0					
7.0					
8.0	0.052	0.056	0.275	1.250	

C-REF-NO 104
 CONS. NO 056
 COUNTRY 18
 INSTITUTE 22

LAT 41-53-30N
 LON 083-11-48W

YEAR 1968
 MONTH 06
 DAY 19
 TIME 0408

NO. DEPTHS 03
 SOUNDING 0079
 BT SLIDE NO 056

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			18.33	0.02	1.2	243	8.93	0.099
4.0			18.33	0.02	1.1	243	8.93	
7.0			18.32	0.01	1.1	242	8.90	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.037	0.082	0.200	1.000	20.7
4.0					
7.0	0.027	0.040	0.190	0.625	

C-REF-NO 104
CONS. NO 057
COUNTRY 18
INSTITUTE 22

LAT 41-54-42N
LON 082-50-24W

YEAR 1968
MONTH 06
DAY 19
TIME 0551

NO. DEPTHS 04
SOUNDING 0104
BT SLIDE NO 057

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			18.39	0.00	0.7	283	9.82	0.094
4.0			18.39	0.01	0.7	284	9.82	
7.0			18.38	0.01	0.7	286	9.79	
9.0			18.37	0.01	0.8	283	9.73	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
1.0	0.037	0.046	0.095	1.775	25.9
4.0					
7.0					
9.0	0.036	0.057	0.110	1.050	

CRUISE 68 - 108

C-REF-NO 108
CONS. NO 001
COUNTRY 18
INSTITUTE 22

LAT 42-47-24N
LON 079-12-06W

YEAR 1968
MONTH 07
DAY 29
TIME 1704

NO. DEPTHS 07
SOUNDING 0213
BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	4.5	9	21.78	0.02	0.2	330	7.79	0.044
4.0			21.80	0.01	0.3	324	8.56	
7.0			21.78	0.00	0.3	323	8.56	
10.0			21.76	0.03	0.4	323	8.56	
13.0			21.74	0.01	0.3	322	8.56	
16.0			21.71	0.00	0.4	324	8.49	
19.0			21.35	0.02	0.3	324	8.17	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.015	0.047	0.030	0.150	6.8	000E00	000E00	210E01
4.0								
7.0						000E00		140E01
10.0								
13.0								
16.0								
19.0						000E00	000E00	610E01

DEPTH	SPC 35
1.0	480E01
4.0	
7.0	600E01
10.0	
13.0	
16.0	
19.0	840E01

C-REF-NO 108
CONS. NO 002
COUNTRY 18
INSTITUTE 22

LAT 42-50-36N
 LON 078-57-30W

YEAR 1968
 MONTH 07
 DAY 29
 TIME 1852

NO. DEPTHS 05
 SOUNDING 0131
 BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.C	3.0	10	22.42	0.02	0.5	323	8.56	
4.C			22.39	0.01	0.5	323	8.56	
7.C			22.41	0.01	0.5	322	8.52	
10.C			22.39	0.00	0.5	322	8.55	
12.C			22.38	0.01	0.6	323	8.41	

DEPTH	SR P04	NH3	TFNO3	R SIC2	CHLCRA	MF COL	MF FCO	SPC 20
1.C					7.2	000E00	000E00	23CEC1
4.C								
7.C								
10.C								
12.C						100E00	000E00	40CEC1

DEPTH	SPC 35
1.C	35CEC1
4.C	
7.C	
10.C	
12.C	42CEC1

C-REF-NO 108
CONS. NO 003
COUNTRY 18
INSTITUTE 22

LAT 42-46-42N
LON 078-55-30W

YEAR 1968
MONTH 07
DAY 29
TIME 2011

NO. DEPTHS 04
SOUNDING 0104
BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.0	10	22.97	0.03	0.2	328	8.97	0.090
4.0			22.98	0.00	0.2	322	9.00	
7.0			22.98	0.00	0.3	322	8.95	
9.0			22.99	0.02	0.2	322	8.95	0.053

DEPTH	SR P04	NH3	TFNO3	R SID2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.006	0.077	0.025	0.120	10.5	200E00	000E00	700E01
4.0								
7.0								
9.0	0.005	0.004	0.020	0.115				200E01

DEPTH	SPC 35	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	870E01	218.0	94.8	26.5	39.500	8.400	1.300	12.300
4.0								
7.0								
9.0	630E01	216.0	93.6	25.7	38.500	8.400	1.200	11.900

DEPTH	PH 25	F	CL	HARD
1.0	8.300	0.130	26.9	133.2
4.0				
7.0				
9.0	8.300	0.120	27.0	130.7

C-REF-NO 108
 CONS. NO 004
 COUNTRY 18
 INSTITUTE 22

LAT 42-39-06N
 LON 079-08-00W

YEAR 1968
 MONTH 07
 DAY 29
 TIME 2157

NO. DEPTHS 06
 SOUNDING 0174
 BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.0	10	22.16	0.02	0.3	321	8.91	
4.0			22.17	0.00	0.2	322	8.91	
7.0			22.17	0.03	0.3	319	8.91	
10.0			22.17	0.01	0.3	318	8.87	
13.0			22.15	0.03	0.3	317	8.87	
16.0			22.11	0.01	0.3	318	8.80	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					7.1	500E00	000E00	000E00
4.0								
7.0						600E00		400E01
10.0								
13.0								
16.0						100E00	000E00	800E01

DEPTH	SPC 35
1.0	170E02
4.0	
7.0	630E01
10.0	
13.0	
16.0	150E02

C-REF-NO 108
CONS. NO 005
COUNTRY 18
INSTITUTE 22

LAT 42-31-30N
LON 079-20-36W

YEAR 1968
MONTH 07
DAY 29
TIME 2331

NO. DEPTHS 07
SOUNDING 0198
BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PD4
1.0	3.0	9	22.32	0.02	0.3	318	9.11	0.042
4.0			22.33	0.01	0.3	318	9.81	
7.0			22.33	0.00	0.3	318	9.09	
10.0			22.33	0.00	0.2	317	9.05	0.038
13.0			22.30	0.01	0.2	318	9.03	
16.0			22.28	0.01	0.3	318	9.02	
19.0			22.28	0.00	0.3	318	9.02	0.050

DEPTH	SR PD4	NH3	TFNO3	R SIQ2	CHLORA	MF COL	MF FCD	SPC 20
1.0	0.003	0.014	0.015	0.090	6.6	500E00	000E00	350E01
4.0						100E00		350E01
7.0								
10.0	0.003	0.007	0.007	0.080				
13.0								
16.0								
19.0	0.007	0.010	0.007	0.080		000E00	000E00	160E01

DEPTH	SPC 35	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	380E01	212.0	95.4	25.5	39.000	8.400	1.180	11.700
4.0								
7.0	520E01							
10.0		212.0	94.8	26.1	38.500	8.000	1.200	11.800
13.0								
16.0								
19.0	480E01	212.0	94.8	26.9	38.000	8.400	1.180	11.600

DEPTH	PH 25	F	CL	HARD
1.0	8.100	0.115	26.3	132.0
4.0				
7.0				
10.0	8.300	0.125	26.7	129.1
13.0				
16.0				
19.0	8.300	0.115	26.6	129.5

C-REF-NO 108
 CONS. NO 006
 COUNTRY 18
 INSTITUTE 22

LAT 42-37-54N
 LON 079-24-00W

YEAR 1968
 MONTH 07
 DAY 30
 TIME 0057

NO. DEPTHS 10
 SOUNDING 0280
 BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			22.03	0.00	0.2	322	8.81	0.031
4.0			22.05	0.01	0.2	323	8.83	
7.0			22.05	0.00	0.3	321	8.86	
10.0			22.05	0.00	0.3	319	8.83	
13.0			22.04	0.02	0.3	321	8.84	
16.0			22.02	0.02	0.2	320	8.87	
19.0					0.4	324	7.27	
22.0			9.77	0.00	0.9	321	6.31	
25.0			8.56	0.02	1.1	329	5.98	
27.0					0.2	329	5.93	

DEPTH	SR PD4	NH3	TFN03	R SIO2	CHLORA	MF COL	MF FCU	SPC 20
1.0	0.000	0.030	0.012	0.070	7.6	100E00		220E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								
25.0								
27.0						000E00		160E02

DEPTH	SPC 35
1.0	560E01
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
22.0	
25.0	
27.0	110E02

C-REF-NO	108
CDNS. NO	007
COUNTRY	18
INSTITUTE	22

LAT 42-44-06N
LON 079-27-06W

YEAR 1968
MONTH 07
DAY 30
TIME 0213

NO. DEPTHS 08
SOUNDING 0223
BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			20.89	0.01	0.2	325	8.87	0.027
4.0			20.87	0.01	0.2	319	8.89	
7.0			20.85	0.03	0.2	318	8.83	
10.0			20.18	0.01	0.2	319	8.63	
13.0			15.09	0.00	0.2	325	8.00	0.035
16.0			13.34	0.01	0.2	325	7.79	
19.0			12.13	0.00	0.2	324	8.11	
21.0			10.54	0.03	0.7	331	5.64	0.089

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.002	0.011	0.012	0.080	6.4	600E00		980E01
4.0								
7.0								
10.0								
13.0	0.007	0.062	0.044	0.075				
16.0								
19.0								
21.0	0.067	0.091	0.142	0.570		000E00		860E01

DEPTH	SPC 35	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	740E01	211.0	94.8	25.9	37.500	8.200	1.180	11.600
4.0								
7.0								
10.0								
13.0		210.0	94.8	25.7	39.000	8.400	1.200	11.600
16.0								
19.0								
21.0	630E01	226.0	97.1	25.5	39.500	8.400	1.240	11.600

DEPTH	PH 25	F	CL	HARD
1.0	8.300	0.117	26.0	127.4
4.0				
7.0				
10.0				
13.0	7.800	0.112	26.1	132.0
16.0				
19.0				
21.0	7.600	0.112	25.8	133.2

C-REF-NO 108
CONS. NO 008
COUNTRY 18
INSTITUTE 22

LAT 42-49-30N
LON 079-34-36W

YEAR 1968
MONTH 07
DAY 30
TIME 0348

NO. DEPTHS 06
SOUNDING 0152
BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			19.95	0.01	0.3	326	8.64	0.064
4.0			19.42	0.02	0.3	326	8.50	
7.0			16.23	0.08	0.2	326	7.63	
10.0			15.29	0.01	0.4	328	6.15	
13.0			14.80	0.01	0.6	329	5.92	
14.0					0.4	328	6.46	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	MF FCD	SPC 20
1.0	0.007	0.004	0.018	0.125	8.7		000E00	100E02
4.0								
7.0						370E01		140E02
10.0								
13.0								
14.0						300E00	000E00	120E01

DEPTH	SPC 35
1.0	110E02
4.0	
7.0	100E02
10.0	
13.0	
14.0	670E01

C-REF-NO 108
CONS. NO 009
COUNTRY 18
INSTITUTE 22

LAT 42-48-54N
LON 079-45-48W

YEAR 1968
MONTH 07
DAY 30
TIME 0504

NO. DEPTHS 05
SOUNDING 0146
BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			18.93	0.02	0.3	329	8.02	
4.0			17.10	0.01	0.3	331	6.59	
7.0			14.24	0.02	0.6	334	5.87	
10.0			13.36	0.00	3.1	333	5.76	
12.0			10.36	0.05	0.1	337	5.61	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					8.8	120E01	200E00	980E01
4.0								
7.0						140E01		520E01
10.0								
12.0							000E00	160E02

DEPTH	SPC 35
1.0	700E01
4.0	
7.0	660E01
10.0	
12.0	100E02

C-REF-NO 108
 CONS. NO 010
 COUNTRY 18
 INSTITUTE 22

LAT 42-40-48N
 LON 079-41-30W

YEAR 1968
 MONTH 07
 DAY 30
 TIME 0626

NO. DEPTHS 11
 SOUNDING 0338
 BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			20.13	0.01	0.1	324	9.00	
4.0			20.15	0.00	0.1	320	9.05	
7.0			20.16	0.01	0.1	320	9.05	
10.0			20.07	0.00	0.2	322	9.03	
13.0			19.52	0.01	0.2	322	8.81	
16.0			15.85	0.01	0.2	324	8.33	
19.0			12.39	0.01	0.3	324	8.56	
22.0			11.20	0.02	0.3	326	8.80	
25.0			9.92	0.04	0.2	327	9.19	
28.0			7.15	0.00	1.0	328	7.71	
31.0			7.03	0.00	1.3	328	7.44	

DEPTH	SR P04	NH3	TFNO3	R SI02	CHLORA	MF COL	MF FCO	SPC 20
1.0					6.6	000E00		350E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								
25.0								
28.0								
31.0						300E00		130E02

DEPTH	SPC 35
1.0	420E01
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
22.0	
25.0	
28.0	
31.0	750E02

C-REF-NO 108
CONS. NO 011
COUNTRY 18
INSTITUTE 22

LAT 42-40-24N
LON 079-41-06W

YEAR 1968
MONTH 07
DAY 30
TIME 0706

NO. DEPTHS 03
SOUNDING 0335
BT SLIDE NO 011

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
4.0			20.06	0.01				
22.0			11.15	0.00				
29.0			7.08	0.01				

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
4.0								
22.0								
29.0								

DEPTH	SPC 35
4.0	
22.0	
29.0	

C-REF-NO 108
CONS. NO 012
COUNTRY 18
INSTITUTE 22

LAT 42-30-24N
LON 079-38-00W

YEAR 1968
MONTH 07
DAY 30
TIME 0827

NO. DEPTHS 03
SOUNDING 0445
BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
10.0			21.72	0.00				
26.0			9.89	0.02				
37.0			5.76	0.03				

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
10.0								
26.0								
37.0								

DEPTH	SPC 35
10.0	
26.0	
37.0	

C-REF-NO 108
 CONS. NO 013
 COUNTRY 18
 INSTITUTE 22

LAT 42-30-06N
 LON 079-36-00W

YEAR 1968
 MONTH 07
 DAY 30
 TIME 0904

NO. DEPTHS 13
 SOUNDING 0457
 BT SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			21.91	0.00	0.2	321	9.02	
4.0			21.94	0.02	0.2	319	9.00	
7.0			21.95	0.01	0.2	321	8.98	
10.0			21.95	0.00	0.2	320	8.98	
13.0			21.88	0.01	0.2	323	8.95	
16.0			15.16	0.00	0.2	328	7.63	
19.0			13.72	0.01	0.2	328	8.11	
22.0			10.47	0.01	0.2	327	9.19	
25.0			8.34	0.03	0.3	327	10.12	
28.0			6.84	0.04	0.2	329	9.79	
31.0			5.93	0.01	0.4	325	9.54	
37.0			5.75	0.04	0.6	329	9.31	
43.0			5.72	0.01	0.6	331	9.25	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0								
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								
25.0								
28.0								
31.0								
37.0								
43.0								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
22.0	
25.0	
28.0	
31.0	
37.0	
43.0	

C-REF-NO 108
 CONS. NO 014
 COUNTRY 18
 INSTITUTE 22

LAT 42-27-48N
 LON 079-35-00W

YEAR 1968
 MONTH 07
 DAY 30
 TIME 0946

NO. DEPTHS 02
 SOUNDING 0427
 BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	T P04
9.0			21.91	0.01				
20.0			12.98	0.02				

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
9.0								
20.0								

DEPTH	SPC 35
9.0	
20.0	

C-REF-NO 108
 CONS. NO 015
 COUNTRY 18
 INSTITUTE 22

LAT 42-26-06N
 LON 079-36-30W

YEAR 1968
 MONTH 07
 DAY 30
 TIME 1017

NO. DEPTHS 02
 SOUNDING 0408
 BT SLIDE NO 015

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	T P04
11.0			21.35	0.02				
21.0			13.08	0.04				

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
11.0								
21.0								

DEPTH	SPC 35
11.0	
21.0	

C-REF-NO 108
 CONS. NO 016
 COUNTRY 18
 INSTITUTE 22

LAT 42-25-54N
 LON 079-33-54W

YEAR 1968
 MONTH 07
 DAY 30
 TIME 1044

NO. DEPTHS 01
 SOUNDING 0293
 BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
11.0			21.06	0.01				

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
11.0								

DEPTH	SPC 35
11.0	

C-REF-NO 108
 CONS. NO 017
 COUNTRY 18
 INSTITUTE 22

LAT 42-23-54N
 LON 079-32-48W

YEAR 1968
 MONTH 07
 DAY 30
 TIME 1122

NO. DEPTHS 07
 SOUNDING 0210
 BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.0	10	21.78	0.02	0.2	320	9.05	
4.0			21.69	0.01	0.3	321	9.09	
7.0			21.49	0.02	0.4	321	9.09	
10.0			21.36	0.00	0.4	320	9.11	
13.0			21.33	0.01	0.3	320	9.12	
16.0			21.29	0.01	0.3	319	9.11	
19.0			21.18	0.00	0.3	319	9.05	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					4.6	260E02	150E01	120E02
4.0								
7.0						460E01		120E02
10.0								
13.0								
16.0								
19.0						500E01	400E00	160E02

DEPTH	SPC 35
1.0	130E02
4.0	
7.0	900E01
10.0	
13.0	
16.0	
19.0	100E02

C-REF-NO 108
 CONS. NO 018
 COUNTRY 18
 INSTITUTE 22

LAT 42-18-00N
 LON 079-45-48W

YEAR 1968
 MONTH 07
 DAY 30
 TIME 1342

NO. DEPTHS 07
 SOUNDING 0183
 BT SLIDE NO 018

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.0	9	22.84	0.02	0.4	320	8.86	0.039
4.0			22.82	0.02	0.4	319	8.89	
7.0			22.82	0.00	0.5	321	8.91	
10.0			22.81	0.01	0.5	321	8.94	
13.0			22.79	0.01	0.6	320	8.89	
16.0			16.66	0.11	0.8	328	7.85	
17.0			11.27	0.01	0.5	328	7.79	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.020	0.017	0.028	0.100	9.2	900E00	000E00	400E01
4.0								
7.0						100E00		800E01
10.0								
13.0								
16.0								
17.0						700E01	000E00	110E02

DEPTH	SPC 35
1.0	130E01
4.0	
7.0	220E01
10.0	
13.0	
16.0	
17.0	300E01

C-REF-NO 108
 CONS. NO 019
 COUNTRY 18
 INSTITUTE 22

LAT 42-26-00N
 LON 079-50-00W

YEAR 1968
 MONTH 07
 DAY 30
 TIME 1503

NO. DEPTHS 14
 SOUNDING 0482
 BT SLIDE NO 019

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	6.5	9	20.56	0.01	0.3	323	9.09	0.015
4.0			20.60	0.01	0.3	321	9.11	
7.0			20.00	0.01	2.3	319	9.17	
10.0			19.92	0.00	0.4	321	9.05	
13.0			17.97	0.01	0.4	322	8.52	
16.0			14.10	0.01	0.5	326	7.94	
19.0			13.27	0.00	0.4	324	8.14	
22.0			12.26	0.02	0.4	322	8.49	
25.0			11.88	0.00	0.4	323	8.56	
28.0			11.31	0.03	0.3	326	8.64	
31.0			9.60	0.01	0.3	326	9.19	
37.0			6.25	0.06	0.7	332	9.42	
43.0			6.06	0.01	0.8	330	9.34	
46.0			6.01	0.01	0.9	331	9.26	

DEPTH	SR P04	NH3	TFN03	R SID2	CHLORA	MF COL	MF FC0	SPC 20
1.0	0.009	0.018	0.020	0.085	3.5			
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								
25.0								
28.0								
31.0								
37.0								
43.0								
46.0								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
22.0	
25.0	
28.0	
31.0	
37.0	
43.0	
46.0	

C-REF-NO 108
CONS. NO 020
COUNTRY 18
INSTITUTE 22

LAT 42-31-06N
LON 079-53-24W

YEAR 1968
MONTH 07
DAY 30
TIME 1617

NO. DEPTHS 16
SOUNDING 0631
BT SLIDE NO 020

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	02 W	T P04
1.0	7.5	9	19.60	0.02	0.2	325	9.11	
4.0			19.57	0.01	0.3	321	8.87	
7.0			19.34	0.01	0.3	322	9.11	
10.0			19.29	0.01	0.3	324	8.72	
13.0			16.79	0.02	0.4	321	8.41	
16.0			15.45	0.00	0.3	325	8.33	
19.0			13.63	0.00	0.4	323	8.25	
22.0			11.68	0.01	0.3	322	8.56	
25.0			10.18	0.00	0.4	326	8.94	
28.0			8.81	0.02	0.4	326	9.28	
31.0			7.34	0.00	0.3	327	9.42	
37.0			5.79	0.04	0.4	331	10.59	
43.0			5.33	0.01	0.5	338	10.35	
49.0			5.12	0.02	0.7	331	9.96	
55.0			5.11	0.00	0.7	335	9.26	
61.0			5.09	0.00	1.6	332	9.17	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					2.5	180E01		360E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								
25.0								
28.0								
31.0								
37.0								
43.0								
49.0								
55.0								
61.0						500E00		350E02

DEPTH SPC 35

1.0 310E01
 4.0
 7.0
 10.0
 13.0
 16.0
 19.0
 22.0
 25.0
 28.0
 31.0
 37.0
 43.0
 49.0
 55.0
 61.0 350E01

C-REF-NO 108
 CONS. NO 021
 COUNTRY 18
 INSTITUTE 22

LAT 42-36-36N
 LON 079-56-06W

YEAR 1968
 MONTH 07
 DAY 30
 TIME 1746

NO. DEPTHS 14
 SOUNDING 0485
 BT SLIDE NO 021

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	7.5	9	20.48	0.01	0.1	326	9.17	0.039
4.0			20.47	0.03	0.2	346	8.95	
7.0			20.12	0.01	0.2	328	9.12	
10.0			19.64	0.00	0.2	321	9.17	
13.0			18.80	0.01	0.2	323	8.56	
16.0			13.98	0.02	0.2	325	7.86	
19.0			12.73	0.01	0.1	323	8.56	0.067
22.0			10.95	0.01	0.1	328	8.64	
25.0			9.35	0.01	0.2	330	7.63	
28.0			7.46	0.06	0.2	327	9.65	
30.0			5.79	0.03	0.2	327	10.12	
36.0			5.52	0.05	0.6	328	9.65	
42.0			5.44	0.01	0.7	331	9.59	
46.0			5.46	0.03	9.5	335	9.73	0.042

DEPTH	SR P04	NH3	TFNO3	R SI02	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.012	0.000	0.010	0.110	9.4			
4.0								
7.0								
10.0								
13.0								
16.0								
19.0	0.015	0.005	0.022	0.125				
22.0								
25.0								
28.0								
30.0								
36.0								
42.0								
46.0	0.009	0.007	0.200	0.330				

DEPTH	SPC 35	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0		219.0	95.4	26.7	38.500	8.400	1.260	11.600
4.0								
7.0								
10.0								
13.0								
16.0								
19.0		215.0	95.9	26.1	39.500	8.200	1.200	11.500
22.0								
25.0								
28.0								
30.0								
36.0								
42.0								
46.0		218.0	95.4	26.5	39.500	8.400	1.200	11.500

DEPTH	PH 25	F	CL	HARD
1.0	8.200	0.118	25.8	130.7
4.0				
7.0				
10.0				
13.0				
16.0				
19.0	8.000	0.115	25.5	132.4
22.0				
25.0				
28.0				
30.0				
36.0				
42.0				
46.0	7.900	0.120	25.2	133.2

C-REF-NO 108
 CONS. NO 022
 COUNTRY 18
 INSTITUTE 22

LAT 42-45-12N
 LON 080-00-48W

YEAR 1968
 MONTH 07
 DAY 30
 TIME 1951

NO. DEPTHS 05
 SOUNDING 0140
 BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	5.5	10	20.09	0.00	0.3	323	9.05	
4.0			19.73	0.01	0.4	324	8.73	
7.0			18.30	0.00	0.7	327	8.31	
10.0			17.47	0.01	1.0	328	7.69	
13.0			15.07	0.00	1.0	335	5.57	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					8.4	500E01	000E00	860E01
4.0								
7.0								
10.0								
13.0							000E00	310E02

DEPTH	SPC 35
1.0	150E02
4.0	
7.0	
10.0	
13.0	570E02

C-REF-NO 108
 CONS. NO 023
 COUNTRY 18
 INSTITUTE 22

LAT 42-44-48N
 LON 080-05-54W

YEAR 1968
 MONTH 07
 DAY 30
 TIME 2032

NO. DEPTHS 01
 SOUNDING 0119
 BT SLIDE NO 023

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
8.0	3.0	10	16.72	0.01				

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
8.0								

DEPTH	SPC 35
8.0	

C-REF-NO 108
CONS. NO 024

COUNTRY 18
INSTITUTE 22

LAT 42-42-42N
LON 080-14-54W

YEAR 1968
MONTH 07
DAY 30
TIME 2128

NO. DEPTHS 03
SOUNDING 0088
BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	4.5	7	20.28	0.01	0.2	322	9.11	0.030
4.0			20.24	0.01	0.2	323	9.34	
7.0			19.20	0.02	0.2	323	9.34	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.000	0.002	0.014	0.125	8.1	230E01	000E00	110E02
4.0								
7.0						120E01	000E00	120E01

DEPTH	SPC 35
1.0	250E02
4.0	
7.0	160E02

C-REF-NO 108
 CONS. NO 025
 COUNTRY 18
 INSTITUTE 22

LAT 42-30-54N
 LON 080-09-12W

YEAR 1968
 MONTH 07
 DAY 30
 TIME 2353

NO. DEPTHS 09
 SOUNDING 0274
 BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	4.0	9	19.43	0.01	0.3	320	9.22	
4.0			18.58	0.01	0.4	320	9.12	
7.0					0.6	323	8.56	
10.0			14.28	0.01	0.6	325	8.19	
13.0			12.72	0.00	0.9	324	7.61	
16.0			10.10	0.01	1.5	326	7.38	
19.0			7.80		2.0	325	7.64	
22.0			6.89		2.0	326	7.83	
25.0			6.68	0.02	2.5	326	7.83	

DEPTH	SR PD4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					10.5	370E01	000E00	120E01
4.0								
7.0								550E01
10.0								
13.0								
16.0								
19.0								
22.0								
25.0							100E00	350E02

DEPTH	SPC 35
1.0	240E01
4.0	
7.0	470E01
10.0	
13.0	
16.0	
19.0	
22.0	
25.0	640E01

C-REF-NO 108
CONS. NO 026
CCOUNTRY 18
INSTITUTE 22

LAT 42-21-48N
LON 080-04-24W

YEAR 1968
MONTH 07
DAY 31
TIME 0115

NO. DEPTHS 12
SOUNDING 0344
BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			22.29	0.01	0.5	323	9.34	
4.0			22.39	0.01	0.3	316	9.22	
7.0			21.74	0.02	0.3	316	9.17	
10.0			21.39	0.01	0.4	317	9.17	
13.0			20.29	0.01	0.4	321	8.55	
16.0			12.24	0.02	0.5	325	8.52	
19.0			9.94	0.00	0.8	322	8.69	
22.0			8.70	0.01	0.9	327	8.70	
25.0			7.99	0.00	1.0	327	8.55	
28.0			7.47	0.03	1.5	328	8.42	
31.0			7.36	0.00	1.5	330	8.47	
33.0			7.24	0.00	1.5	327	8.39	

DEPTH	SR P04	NH3	TFNO3	R SI02	CHLORA	MF COL	MF FCO	SPC 20
1.0					4.3	460E01		140E02
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								
25.0								
28.0								
31.0								
33.0						300E00		490E02

DEPTH	SPC 35
1.0	760E01
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
22.0	
25.0	
28.0	
31.0	
33.0	120E02

C-REF-NO 108
 CONS. NO 027
 COUNTRY 18
 INSTITUTE 22

LAT 42-12-24N
 LON 079-59-30W

YEAR 1968
 MONTH 07
 DAY 31
 TIME 0236

NO. DEPTHS 05
 SOUNDING 0140
 BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			22.88	0.00	0.5	320	9.33	
4.0			22.87	0.02	0.4	318	9.33	
7.0			22.53	0.02	0.4	318	9.67	
10.0			22.45	0.01	0.5	318	9.17	
13.0					0.5	318	9.03	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					4.6	310E01	000E00	670E01
4.0								
7.0						500E00		190E02
10.0								
13.0						300E00	000E00	150E02

DEPTH	SPC 35
1.0	400E01
4.0	
7.0	960E01
10.0	
13.0	140E02

C-REF-NO 108
 CONS. NO 028
 COUNTRY 18
 INSTITUTE 22

LAT 42-07-00N
 LON 080-12-42W

YEAR 1968
 MONTH 07
 DAY 31
 TIME 0402

NO. DEPTHS 04
 SOUNDING 0085
 BT SLIDE NO 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			23.25	0.02	0.4	323	9.81	0.034
4.0			23.26	0.01	0.5	323	9.58	
7.0			23.25	0.01	0.4	324	9.81	
8.0			23.02	0.02	0.5	324	9.11	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.000	0.013	0.046	0.155	6.8	000E00	000E00	170E01
4.0								
7.0								
8.0						700E00	000E00	520E01

DEPTH	SPC 35
1.0	260E01
4.0	
7.0	
8.0	740E02

C-REF-NO 108
CONS. NO 029
COUNTRY 18
INSTITUTE 22

LAT 42-17-36N
LON 080-18-18W

YEAR 1968
MONTH 07
DAY 31
TIME 0532

NO. DEPTHS 08
SOUNDING 0241
BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			21.80	0.00	0.2	319	9.26	0.073
3.0			21.79	0.01	0.2	320	9.08	
6.0			21.71	0.00	0.2	320	9.19	
9.0			21.72	0.01	0.3	319	9.26	0.020
11.0			21.53	0.00	0.2	319	9.26	
14.0			21.16	0.01	0.3	319	9.23	
16.0			17.47	0.17	0.3	322	7.94	
19.0			14.17	0.01	0.5	334	5.92	0.038

DEPTH	SR P04	NH3	TFNO3	R SID2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.000	0.004	0.005	0.075	4.5	180E01		250E01
3.0								
6.0								
9.0	0.000	0.002	0.002	0.085				
11.0								
14.0								
16.0								
19.0	0.003	0.018	0.009	0.080		600E00		440E01

DEPTH	SPC 35	F RES	TT ALK	S SD4	CA NFA	MG NF	K NFS	NA NFS
1.0	250E01	215.0	94.8	26.7	39.000	8.400	1.200	11.600
3.0								
6.0								
9.0		215.0	94.8	25.7	40.000	8.200	1.220	11.600
11.0								
14.0								
16.0								
19.0	130E01	222.0	94.2	26.3	39.000	8.400	1.280	11.800

DEPTH	PH 25	F	CL	HARD
1.0	8.300	0.112	25.7	132.0
3.0				
6.0				
9.0	8.200	0.115	25.4	133.6
11.0				
14.0				
16.0				
19.0	8.100	0.111	25.2	132.0

C-REF-NO 108
 CONS. NO 030
 COUNTRY 18
 INSTITUTE 22

LAT 42-28-12N
 LON 080-24-24W

YEAR 1968
 MONTH 07
 DAY 31
 TIME 0708

NO. DEPTHS 05
 SOUNDING 0143
 BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			19.70	0.02	0.4	323	9.16	
4.0			19.69	0.01	0.4	323	8.97	
7.0			19.68	0.00	0.6	323	9.19	
9.0			19.63	0.01	0.5	325	9.06	
11.0					0.7	323	8.91	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					4.2	540E01		110E01
4.0								
7.0								
9.0								
11.0						120E01		240E01

DEPTH	SPC 35
1.0	600E00
4.0	
7.0	
9.0	
11.0	100E02

C-REF-NO 108
 CONS. NO 031
 COUNTRY 18
 INSTITUTE 22

LAT 42-33-30N
 LON 080-27-12W

YEAR 1968
 MONTH 07
 DAY 31
 TIME 0808

NO. DEPTHS 04
 SOUNDING 0107
 BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			19.00	0.02	0.7	330	8.44	0.028
4.0			19.02	0.03	0.6	330	8.45	
7.0			18.99	0.00	0.4	328	8.44	
8.0			18.97	0.00	0.7	330	8.44	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.000	0.015	0.066	0.110	3.4	400E01	000E00	500E00
4.0								
7.0								
8.0						120E01	000E00	400E00

DEPTH	SPC 35
1.0	120E01
4.0	
7.0	
8.0	190E01

C-REF-NO 108
CONS. NO 032
COUNTRY 18
INSTITUTE 22

LAT 42-34-30N
LON 080-44-00W

YEAR 1968
MONTH 07
DAY 31
TIME 0950

NO. DEPTHS 06
SOUNDING 0161
BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			20.62	0.01	0.2	309	9.11	
4.0			20.62	0.01	0.2	309	9.30	
7.0			20.61	0.02	0.2	308	9.28	
10.0			20.32	0.00	0.2	309	9.26	
13.0			17.80	0.02	0.7	325	7.94	
15.0			15.54		1.0	335	3.57	

DEPTH	SR P04	NH2	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					5.3	900E00	000E00	800E00
4.0								
7.0						100E00		
10.0								
13.0								
15.0						910E01	000E00	

DEPTH	SPC 35
1.0	800E00
4.0	
7.0	
10.0	
13.0	
15.0	110E01

C-REF-NO 108
CONS. NO 033
COUNTRY 18
INSTITUTE 22

LAT 42-24-00N
LON 080-38-12W

YEAR 1968
MONTH 07
DAY 31
TIME 1118

NO. DEPTHS 07
SOUNDING 0204
BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			21.05	0.00	0.2	316	8.87	
4.0			21.05	0.02	0.2	310	8.91	
7.0			21.05	0.01	0.2	308	8.94	
10.0			21.02	0.01	0.3	310	8.94	
13.0			20.97	0.03	0.2	309	8.84	
16.0			14.49	0.01	0.5	327	4.34	
18.0			14.35	0.01	0.6	328	4.34	

DEPTH	SR P04	NH3	TFN03	R SID2	CHLORA	MF COL	MF FCO	SPC 20
1.0					5.6	900E00		280E01
4.0								
7.0								
10.0								
13.0								
16.0								
18.0						150E01		300E01

DEPTH	SPC 35
1.0	160E01
4.0	
7.0	
10.0	
13.0	
16.0	
18.0	

C-REF-NO 108
CONS. NO 034
COUNTRY 18
INSTITUTE 22

LAT 42-13-18N
LON 080-32-42W

YEAR 1968
MONTH 07
DAY 31
TIME 1244

NO. DEPTHS 06
SOUNDING 0232
BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.5	8	20.97	0.00	0.2	313	8.95	
4.0			20.96	0.01	0.2	315	8.94	
7.0			20.95	0.02	0.2	317	8.94	
10.0			20.95	0.00	0.2	317	8.92	
13.0			20.88	0.01	0.2	316	8.92	
16.0			15.02	0.02	0.4	322	6.98	
19.0			13.60	0.00	0.6	325	6.38	
22.0			13.58	0.02	0.6	325	6.23	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					2.9			
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
22.0	

C-REF-NO 108
CONS. NO 035
COUNTRY 18
INSTITUTE 22

LAT 42-02-48N
LON 080-27-06W

YEAR 1968
MONTH 07
DAY 31
TIME 1411

NO. DEPTHS 05
SOUNDING 0128
BT SLIDE NO 035

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.0	8	22.70	0.02	0.3	322	8.73	
4.0			22.69	0.02	0.3	321	8.77	
7.0			22.68	0.02	0.3	322	8.73	
10.0			22.68	0.00	0.3	322	8.75	
12.0			22.68	0.01	0.4	321	8.72	

DEPTH	SR P04	NH3	TFN03	R SID2	CHLORA	MF COL	MF FCO	SPC 20
1.0					2.7	800E00	000E00	300E01
4.0								
7.0						200E00		240E01
10.0								
12.0						300E00	100E00	340E01

DEPTH	SPC 35
1.0	700E01
4.0	
7.0	300E01
10.0	
12.0	460E01

C-REF-NO 108
CONS. NO 036

COUNTRY 18
INSTITUTE 22

LAT 41-58-36N
LON 080-40-48W

YEAR 1968
MONTH 07
DAY 31
TIME 1538

NO. DEPTHS 06
SOUNDING 0158
BT SLIDE NO 036

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON '25	O2 W	T P04
1.0	3.0	9	22.60	0.00	0.2	323	8.75	0.048
4.0			22.59	0.01	0.2	322	8.72	
7.0			22.59	0.02	0.2	322	8.80	
10.0			22.51	0.01	0.3	321	8.75	
13.0			22.45	0.02	0.3	321	8.66	
15.0			22.27	0.01	0.3	321	8.56	

DEPTH	SR P04	NH3	TFNO3	R SI02	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.003	0.017	0.016	0.140	2.0	470E01	150E01	570E01
4.0								
7.0						100E00		700E00
10.0								
13.0								
15.0						000E00	000E00	110E01

DEPTH	SPC 35
1.0	980E01
4.0	
7.0	300E01
10.0	
13.0	
15.0	230E01

C-REF-NO 108
CONS. NO 037

COUNTRY 18
INSTITUTE 22

LAT 42-09-06N
LON 080-46-30W

YEAR 1968
MONTH 07
DAY 31
TIME 1704

NO. DEPTHS 08
SOUNDING 0229
BT SLIDE NO 037

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	5.5	9	21.50	0.02	0.2	313	9.03	0.044
4.0			21.49	0.01	0.2	313	8.83	
7.0			21.46	0.01	0.2	314	8.97	
10.0			21.37	0.00	0.2	314	8.95	
13.0			21.30	0.01	0.2	315	8.87	
16.0			21.16	0.02	0.2	315	8.87	
19.0			13.20	0.01	0.4	328	5.65	
22.0			13.21	0.00	0.5	328	5.60	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.002	0.022	0.022	0.070	3.0	600E00		590E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0						000E00		150E02

DEPTH	SPC 35
1.0	620E01
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
22.0	600E01

C-REF-NO 108
CONS. NO 038
COUNTRY 18
INSTITUTE 22

LAT 42-19-42N
LON 080-52-42W

YEAR 1968
MONTH 07
DAY 31
TIME 1835

NO. DEPTHS 07
SOUNDING 0213
BT SLIDE NO 038

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	5.0	9	21.68	0.00	0.1	302	9.16	
4.0			21.67	0.01	0.2	302	9.11	
7.0			21.54	0.01	0.2	301	9.14	
10.0			21.36	0.00	0.2	301	9.06	
13.0			21.27	0.00	0.3	302	9.06	
16.0			21.21	0.00	0.3	304	8.84	
19.0			15.12	0.01	0.3	311	4.14	

DEPTH	SR P04	NH3	TFNO3	R SI02	CHLORA	MF COL	MF FCO	SPC 20
1.0					5.2	300E00		
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	

C-REF-NO 108
 CONS. NO 039
 COUNTRY 18
 INSTITUTE 22

LAT 42-30-00N
 LON 080-58-24W

YEAR 1968
 MONTH 07
 DAY 31
 TIME 2006

NO. DEPTHS 07
 SOUNDING 0192
 BT SLIDE NO 039

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PD4
1.0	5.0	9	20.46	0.01	0.2	312	9.40	0.052
4.0			20.45	0.00	0.2	312	9.39	
7.0			20.43	0.01	0.1	311	9.39	
10.0			20.32	0.00	0.2	310	9.41	0.045
13.0			19.92	0.03	0.2	311	9.08	
16.0			12.73	0.01	0.3	327	2.65	
17.0			12.82	0.00	0.3	328	2.63	0.034

DEPTH	SR PD4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.000	0.009	0.068	0.110	3.9	460E01		
4.0								
7.0								
10.0	0.000	0.014	0.078	0.090				
13.0								
16.0								
17.0	0.000	0.010	0.068	0.080				

DEPTH	SPC 35	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0		209.0	93.6	25.3	36.000	8.400	1.220	11.100
4.0								
7.0								
10.0		216.0	94.8	25.0	38.500	8.400	1.200	11.200
13.0								
16.0								
17.0		212.0	93.6	24.4	38.500	8.400	1.220	11.400

DEPTH	PH 25	F	CL	HARD
1.0	8.000	0.109	24.0	124.5
4.0				
7.0				
10.0	8.100	0.112	24.1	130.7
13.0				
16.0				
17.0	7.400	0.122	25.4	130.2

C-REF-NO 108
 CONS. NO 040
 COUNTRY 18
 INSTITUTE 22

LAT 42-37-54N
 LON 081-02-36W

YEAR 1968
 MONTH 07
 DAY 31
 TIME 2128

NO. DEPTHS 05
 SOUNDING 0128
 BT SLIDE NO 040

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	2.5	10	19.99	0.02	0.5	317	9.25	0.036
4.0			19.98	0.00	0.4	317	9.28	
7.0			19.97	0.02	0.5	318	9.26	
10.0			19.85	0.01	0.7	317	9.17	
12.0			15.48	0.01	2.0	338	4.19	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.006	0.005	0.062	0.075	4.6	180E01		
4.0								
7.0						700E00		
10.0								
12.0								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
12.0	

C-REF-NO 108
 CONS. NO 041
 COUNTRY 18
 INSTITUTE 22

LAT 42-36-18N
 LON 081-17-54W

YEAR 1968
 MONTH 07
 DAY 31
 TIME 2157

NO. DEPTHS 04
 SOUNDING 0122
 BT SLIDE NO 041

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			19.55	0.01	0.2	322	9.03	
4.0			19.54	0.00	0.3	320	9.09	
7.0			19.53	0.02	0.4	320	9.11	
10.0			13.74	0.00	0.4	319	3.46	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					3.4	200E00		
4.0								
7.0						130E01		
10.0							000E00	

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	

C-REF-NO 108
CONS. NO 042
COUNTRY 18
INSTITUTE 22

LAT 42-25-48N
LON 081-12-18W

YEAR 1968
MONTH 08
DAY 01
TIME 0024

NO. DEPTHS 08
SOUNDING 0213
BT SLIDE NO 042

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	2.0	10	21.65	0.01	0.2	302	8.97	
4.0			21.65	0.01	0.2	301	8.95	
7.0			21.64	0.02	0.2	300	8.97	
10.0			21.63	0.00	0.2	300	8.97	
13.0			21.60	0.01	0.2	300	8.95	
16.0			21.29	0.02	0.2	300	8.81	
19.0			12.54	0.01	0.4	324	3.71	
20.0			12.46	0.01	0.5	327	3.64	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					5.9			
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
20.0								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
20.0	

C-REF-NO 108
CONS. NO 043
COUNTRY 18
INSTITUTE 22

LAT 42-15-12N
LON 081-06-24W

YEAR 1968
MONTH 08
DAY 01
TIME 0158

NO. DEPTHS 08
SOUNDING 0219
BT SLIDE NO 043

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			21.70	0.01	0.2	309	9.06	
4.0			21.69	0.00	0.2	308	8.95	
7.0			21.68	0.02	0.2	308	8.97	
10.0			21.69	0.01	0.2	308	9.09	
13.0			21.66	0.01	0.2	307	9.06	
16.0			21.60	0.01	0.2	307	9.03	
19.0			18.12	0.16	0.3	309	8.07	
21.0			14.04	0.00	0.4	325	3.25	

DEPTH	SR P04	NH3	TFNO3	R SID2	CHLORA	MF COL	MF FCO	SPC 20
1.0					3.8	100E00		290E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
21.0								400E01

DEPTH	SPC 35
1.0	550E01
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
21.0	320E01

C-REF-NO 108
CONS. NO 044
COUNTRY 18
INSTITUTE 22

LAT 42-04-54N
LON 081-00-42W

YEAR 1968
MONTH 08
DAY 01
TIME 0322

NO. DEPTHS 08
SOUNDING 0226
BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			21.72	0.01	0.2	319	8.95	
4.0			21.72	0.01	0.3	320	9.17	
7.0			21.70	0.02	0.3	320	9.44	
10.0			21.70	0.01	0.3	322	8.83	
13.0			21.68	0.00	0.3	319	9.26	
16.0			20.89	0.04	0.2	319	8.75	
19.0			13.44	0.01	0.3	327	5.37	
21.0			13.35	0.00	0.4	326	4.86	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					3.1			
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
21.0								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
21.0	

C-REF-NO 108
CONS. NO 045
COUNTRY 18
INSTITUTE 22

LAT 41-54-24N
LON 080-55-00W

YEAR 1968
MONTH 08
DAY 01
TIME 0449

NO. DEPTHS 06
SOUNDING 0165
BT SLIDE NO 045

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			22.34	0.01	0.2	339	8.72	
4.0			22.34	0.01	0.3	343	8.64	
7.0			22.34	0.02	0.3	344	8.64	
10.0			22.35	0.00	0.3	342	8.64	
13.0			22.33	0.01	0.4	344	8.61	
14.0			22.33	0.01	0.5	343	8.61	

DEPTH	SR P04	NH3	TFN03	R SI02	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.9	500E00	000E00	390E01
4.0								
7.0						000E00		
10.0								
13.0								
14.0						200E00	000E00	300E00

DEPTH	SPC 35
1.0	390E01
4.0	
7.0	150E01
10.0	
13.0	
14.0	

C-REF-NO 108
CONS. NO 046
COUNTRY 18
INSTITUTE 22

LAT 41-50-06N
LON 081-08-54W

YEAR 1968
MONTH 08
DAY 01
TIME 0617

NO. DEPTHS 05
SOUNDING 0152
BT SLIDE NO 046

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			22.51	0.00	0.2	333	8.64	
4.0			22.51	0.00	0.3	341	8.64	
7.0			22.50	0.02	0.3	342	8.64	
10.0			22.50	0.00	0.3	343	8.64	
13.0			22.50	0.02	0.3	343	8.64	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					3.5	100E00	000E00	240E01
4.0								
7.0						200E00		300E00
10.0								
13.0						200E00	000E00	250E01

DEPTH	SPC 35
1.0	440E01
4.0	
7.0	540E01
10.0	
13.0	320E01

C-REF-NO 108
CONS. NO 047

COUNTRY 18
INSTITUTE 22

LAT 42-00-30N
LON 081-14-36W

YEAR 1968
MONTH 08
DAY 01
TIME 0744

NO. DEPTHS 08
SOUNDING 0232
BT SLIDE NO. 047

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			21.48	0.01	0.1	319	8.92	
4.0			21.45	0.02	0.1	319	8.90	
7.0			21.42	0.02	0.1	320	8.89	
10.0			21.47	0.01	0.2	319	8.87	
13.0			21.45	0.02	0.2	320	8.87	
16.0			21.34	0.01	0.2	322	8.86	
19.0			13.51	0.09	0.2	331	4.22	
21.0			12.91	0.01	0.2	331	3.50	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.7	140E01		500E00
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
21.0						300E00		380E01

DEPTH	SPC 35
1.0	220E01
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
21.0	200E01

C-REF-NO 108
CONS. NO 048
COUNTRY 18
INSTITUTE 22

LAT 42-11-00N
LON 081-20-48W

YEAR 1968
MONTH 08
DAY 01
TIME 0916

NO. DEPTHS 08
SOUNDING 0238
BT SLIDE NO 048

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			21.74	0.01	0.1	310	8.87	
4.0			21.73	0.02	0.1	310	8.90	
7.0			21.73	0.01	0.1	310	8.89	
10.0			21.73	0.00	0.2	310	8.90	
13.0			21.72	0.00	0.1	308	8.89	
16.0			21.50	0.30	0.2	308	8.86	
19.0			13.92	0.00	0.3	327	3.66	
22.0			13.91	0.00	0.3	329	3.66	

DEPTH	SR P04	NH3	TFND3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.0			
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
22.0	

C-REF-NO 108
CONS. NO 049
COUNTRY 18
INSTITUTE 22

LAT 42-21-24N
LON 081-26-24W

YEAR 1968
MONTH 08
DAY 01
TIME 1040

NO. DEPTHS 08
SOUNDING 0226
BT SLIDE NO 049

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			21.75	0.02	0.2	308	8.87	
4.0			21.75	0.00	0.2	307	8.87	
7.0			19.29	0.00	0.2	307	8.84	
10.0			21.00	0.06	0.2	306	8.75	
13.0			21.60	0.05	0.2	307	8.84	
16.0			21.69	0.01	0.2	307	8.84	
19.0			21.73	0.01	0.2	308	8.87	
21.0			21.74	0.01	0.3	306	8.84	

DEPTH	SR P04	NH3	TFNO3	R SI02	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.0			100E02
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
21.0						300E00		640E01

DEPTH	SPC 35
1.0	610E01
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
21.0	440E01

C-REF-NO 108
CONS. NO 050
COUNTRY 18
INSTITUTE 22

LAT 42-31-42N
LON 081-32-06W

YEAR 1968
MONTH 08
DAY 01
TIME 1201

NO. DEPTHS 05
SOUNDING 0137
BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	1.0	11	18.12	0.04	1.0	315	6.23	
4.0			17.82	0.02	0.7	315	5.64	
7.0			12.45	0.02	1.0	327	2.62	
10.0			12.12	0.02	1.0	327	1.74	
13.0			11.98	0.00	1.0	331	0.78	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					0.0		000E00	150E02
4.0								
7.0								320E02
10.0								
13.0						400E00	000E00	130E02

DEPTH	SPC 35
1.0	480E01
4.0	
7.0	120E02
10.0	
13.0	270E01

C-REF-NO 108
CONS. NO 051
COUNTRY 18
INSTITUTE 22

LAT 42-23-48N
LON 081-44-00W

YEAR 1968
MONTH 08
DAY 01
TIME 1332

NO. DEPTHS 05
SOUNDING 0128
BT SLIDE NO 051

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.5	8	20.72	0.00	0.7	328	8.34	0.093
4.0			20.72	0.03	1.0	304	8.39	
7.0			20.16	0.02	0.8	316	8.19	
10.0			14.23	0.02	1.0	323	3.47	
11.0			14.22	0.00	1.1	321	3.15	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.000	0.020	0.100	0.340	6.1			240E02
4.0								
7.0						900E00		160E02
10.0								
11.0								690E02

DEPTH	SPC 35
1.0	680E01
4.0	
7.0	310E01
10.0	
11.0	900E01

C-REF-NO 108
 CONS. NO 052
 COUNTRY 18
 INSTITUTE 22

LAT 42-16-54N
 LON 081-40-18W

YEAR 1968
 MONTH 08
 DAY 01
 TIME 1439

NO. DEPTHS 08
 SOUNDING 0223
 BT SLIDE NO 052

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.0	10	21.45	0.02	0.4	302	8.36	
4.0			21.44	0.01	0.4	301	8.58	
7.0			21.43	0.02	0.4	303	8.53	
10.0			21.43	0.00	0.4	301	8.44	
13.0			21.27	0.02	0.5	302	8.19	
16.0			15.14	0.07	0.4	319	5.37	
19.0			13.55	0.01	0.5	323	3.72	
21.0			13.55	0.01	0.5	323	3.63	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					6.1			
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
21.0								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
21.0	

C-REF-NO 108
 CONS. NO 053
 COUNTRY 18
 INSTITUTE 22

LAT 42-06-54N
 LON 081-34-30W

YEAR 1968
 MONTH 08
 DAY 01
 TIME 1607

NO. DEPTHS 09
 SOUNDING 0244
 BT SLIDE NO 053

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	7.0	9	21.96	0.03	0.1	312	8.95	0.033
4.0			21.94	0.00	0.2	314	9.03	
7.0			21.89	0.00	0.2	312	8.95	
10.0			21.84	0.00	0.3	314	8.95	0.039
13.0			21.82	0.00	0.2	314	8.91	
16.0			21.81	0.01	0.2	314	8.91	
19.0			21.82	0.00	0.2	314	8.91	
22.0			21.63	0.01	0.2	314	8.72	
23.0			15.63	0.01	0.3	323	5.45	0.041

DEPTH	SR P04	NH3	TFND3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.000	0.006	0.030	0.150	3.7			
4.0								
7.0								
10.0	0.000	0.002	0.028	0.125				
13.0								
16.0								
19.0								
22.0								
23.0	0.002	0.007	0.066	0.250				

DEPTH	SPC 35	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0		202.0	92.5	24.8	37.500	8.200	1.180	11.200
4.0								
7.0								
10.0		203.0	92.5	25.9	36.000	8.200	1.180	11.300
13.0								
16.0								
19.0								
22.0								
23.0		205.0	92.5	25.5	37.000	8.200	1.180	11.300

DEPTH	PH 25	F	CL	HARD
1.0	8.300	0.108	24.1	127.4
4.0				
7.0				
10.0	8.200	0.113	24.5	123.6
13.0				
16.0				
19.0				
22.0				
23.0	7.900	0.115	24.9	126.1

C-REF-NO 108
CONS. NO 054
COUNTRY 18
INSTITUTE 22

LAT 41-56-06N
LON 081-28-42W

YEAR 1968
MONTH 08
DAY 01
TIME 1801

NO. DEPTHS 08
SOUNDING 0238
BT SLIDE NO 054

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	4.5	10	22.14	0.01	0.1	317	9.03	0.027
4.0			22.09	0.03	0.1	317	9.11	
7.0			21.98	0.01	0.2	318	9.03	
10.0			21.93	0.00	0.2	318	9.03	
13.0			21.90	0.00	0.3	320	8.95	
16.0			21.79	0.02	0.3	320	8.87	
19.0			18.12	0.10	0.2	324	7.04	
21.0			14.27	0.00	0.3	331	3.97	

DEPTH	SR P04	NH3	TFNO3	R S102	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.003	0.006	0.030	0.135	3.0	200E00		600E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
21.0						100E00		800E01

DEPTH	SPC 35
1.0	110E01
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
21.0	100E01

C-REF-NO 108
CONS. NO 055
COUNTRY 18
INSTITUTE 22

LAT 41-45-48N
LON 081-23-00W

YEAR 1968
MONTH 08
DAY 01
TIME 1943

NO. DEPTHS 05
SOUNDING 0143
BT SLIDE NO 055

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	2.0	10	23.35	0.03	0.4	325	8.44	0.078
4.0			23.35	0.00	0.4	326	8.44	
7.0			23.16	0.01	0.5	326	8.21	
10.0			23.11	0.00	0.6	325	8.10	0.105
12.0			23.12	0.00	0.6	325	8.10	0.081

DEPTH	SR P04	NH3	TFNO3	R SID2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.017	0.030	0.170	0.190	8.1	180E01	200E00	210E02
4.0								
7.0						000E00		130E02
10.0	0.027	0.054	0.172	0.215				
12.0	0.007	0.040	0.170	0.215		600E00	200E00	230E02

DEPTH	SPC 35	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	190E02	216.0	89.6	26.9	37.500	8.200	1.350	12.800
4.0								
7.0	110E02							
10.0		217.0	91.3	27.1	37.500	8.200	1.350	13.000
12.0	970E01	213.0	90.1	27.1	37.500	8.000	1.350	13.000

DEPTH	PH 25	F	CL	HARD
1.0	8.100	0.134	27.9	127.4
4.0				
7.0				
10.0	8.200	0.134	27.7	127.4
12.0	8.200	0.134	27.4	126.6

C-REF-NO 108
CONS. NO 056
COUNTRY 18
INSTITUTE 22

LAT 41-41-24N
LON 081-36-42W

YEAR 1968
MONTH 08
DAY 01
TIME 2106

NO. DEPTHS 07
SOUNDING 0198
BT SLIDE NO 056

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.0	10	22.32	0.17	0.2	334	8.91	
4.0			23.00	0.03	0.2	335	8.94	
7.0			22.96	0.01	0.2	334	8.87	
10.0			22.61	0.00	0.2	335	8.63	
13.0			22.50	0.01	0.2	335	8.50	
16.0			22.42	0.00	0.2	333	8.52	
19.0			14.18	0.00	0.4	330	0.86	

DEPTH	SR P04	NH3	TFNO3	R SI02	CHLORA	MF COL	MF FCO	SPC 20
1.0					6.9	000E00		760E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0						130E01		190E02

DEPTH	SPC 35
1.0	430E01
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	910E01

C-REF-NO 108
 CONS. NO 057
 COUNTRY 18
 INSTITUTE 22

LAT 41-34-42N
 LON 081-36-06W

YEAR 1968
 MONTH 08
 DAY 01
 TIME 2203

NO. DEPTHS 04
 SOUNDING 0119
 BT SLIDE NO 057

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	2.0	11	23.58	0.01	0.4	301	8.64	0.122
4.0			23.59	0.03	0.5	308	8.64	
7.0			23.54	0.01	0.4	311	8.47	
10.0			23.32	0.01	0.6	318	7.16	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.030	0.115	0.172	0.275	8.7	540E01	600E00	470E02
4.0								
7.0						380E01		650E02
10.0						350E01	000E00	100E03

DEPTH SPC 35

1.0
 4.0
 7.0
 10.0

C-REF-NO 108
 CONS. NO 058
 COUNTRY 18
 INSTITUTE 22

LAT 41-32-36N
 LON 081-39-24W

YEAR 1968
 MONTH 08
 DAY 01
 TIME 2233

NO. DEPTHS 04
 SOUNDING 0122
 BT SLIDE NO 058

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.0	11	23.41	0.00	0.3	291	9.53	
4.0			23.41	0.03	0.4	299	9.50	
7.0			23.31	0.01	0.6	301	9.34	
10.0			22.70	0.02	0.5	301	8.35	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					12.2	200E01	400E00	140E02
4.0								
7.0						400E00		
10.0						600E00	000E00	130E02

DEPTH SPC 35

1.0
 4.0
 7.0
 10.0

C-REF-NO 108
 CONS. NO 059
 COUNTRY 18
 INSTITUTE 22

LAT 41-30-48N
 LON 081-42-36W

YEAR 1968
 MONTH 08
 DAY 01
 TIME 2301

NO. DEPTHS 05
 SOUNDING 0128
 BT SLIDE NO 059

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.0	11	22.96	0.02	0.2	315	9.47	
4.0			22.96	0.02	0.3	317	9.64	
7.0			22.87	0.01	0.4	322	9.25	
10.0			22.53	0.00	0.4	321	8.30	
11.0			22.52	0.00	0.4	326	8.42	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					9.4	000E00	000E00	500E01
4.0								
7.0								
10.0								
11.0						100E01	200E00	200E02

DEPTH SPC 35

1.0
 4.0
 7.0
 10.0
 11.0

C-REF-NO 108
 CONS. NO 060
 COUNTRY 18
 INSTITUTE 22

LAT 41-30-42N
 LON 081-45-00W

YEAR 1968
 MONTH 08
 DAY 01
 TIME 2330

NO. DEPTHS 04
 SOUNDING 0122
 BT SLIDE NO 060

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			23.13	0.01				
4.0			23.13	0.02				
7.0			23.13	0.02				
10.0			22.77	0.01				

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0						280E01		320E02
4.0								
7.0								
10.0						600E00	000E00	170E02

DEPTH SPC 35

1.0
 4.0
 7.0
 10.0

C-REF-NO 108
CONS. NO 061

COUNTRY 18
INSTITUTE 22

LAT 41-33-48N
LON 081-42-30W

YEAR 1968
MONTH 08
DAY 02
TIME 0012

NO. DEPTHS 06
SOUNDING 0149
BT SLIDE NO 061

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.0	10	22.86	0.00	0.3	311	8.81	0.048
4.0			22.86	0.01	0.3	311	8.86	
7.0			22.83	0.02	0.5	310	8.72	
10.0			22.54	0.01	0.4	311	8.56	
13.0			22.33	0.02	0.3	316	8.42	
14.0			22.32	0.01	0.4	313	8.28	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.010	0.033	0.080	0.250	6.1	200E01	000E00	460E02
4.0								
7.0						160E01		650E02
10.0								
13.0								
14.0						800E00	000E00	320E02

DEPTH SPC 35

1.0
4.0
7.0
10.0
13.0
14.0

C-REF-NO 108
 CONS. NO 062
 COUNTRY 18
 INSTITUTE 22

LAT 41-51-48N
 LON 081-42-30W

YEAR 1968
 MONTH 08
 DAY 02
 TIME 0217

NO. DEPTHS 09
 SOUNDING 0241
 BT SLIDE NO 062

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			22.13	0.00	0.2	316	9.20	
4.0			22.13	0.01	0.2	317	9.14	
7.0			22.12	0.01	0.2	319	9.25	
10.0			21.94	0.01	0.2	317	9.06	
13.0			21.73	0.01	0.2	317	9.16	
16.0			21.72	0.00	0.2	318	8.72	
19.0			14.50	0.00	0.3	329	4.09	
22.0			14.35	0.00	0.3	324	3.92	
23.0			14.28	0.00	0.4	327	3.80	

DEPTH	SR P04	NH3	TFND3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					3.8	000E00		150E02
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								
23.0								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
22.0	
23.0	

C-REF-NO 108
CONS. NO 063
COUNTRY 18
INSTITUTE 22

LAT 42-02-12N
LON 081-48-42W

YEAR 1968
MONTH 08
DAY 02
TIME 0341

NO. DEPTHS 09
SOUNDING 0244
BT SLIDE NO 063

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			21.97	0.01	0.2	313	9.19	
4.0			21.97	0.01	0.2	313	9.03	
7.0			21.97	0.02	0.2	313	9.19	
10.0			21.78	0.01	0.2	313	9.11	
13.0			21.67	0.01	0.2	313	8.87	
16.0			21.65	0.01	0.2	314	8.77	
19.0			21.28	0.00	0.2	314	8.64	
22.0			12.49	0.01	0.3	328	3.89	
23.0			12.48	0.02	0.3	327	3.81	

DEPTH	SR P04	NH3	TFNO3	R SID2	CHLORA	MF COL	MF FCO	SPC 20
1.0					3.6			
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								
23.0								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
22.0	
23.0	

C-REF-NO 108
CONS. NO 064
COUNTRY 18
INSTITUTE 22

LAT 42-12-12N
LON 081-54-24W

YEAR 1968
MONTH 08
DAY 02
TIME 0505

NO. DEPTHS 06
SOUNDING 0165
BT SLIDE NO 064

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			22.16	0.00	0.2	303	8.95	
4.0			22.16	0.02	0.2	301	9.26	
7.0			22.10	0.01	0.2	299	9.11	
10.0			22.07	0.01	0.2	302	8.97	
13.0			22.09	0.05	0.2	302	8.69	
14.0			14.52	0.02	0.2	301	8.38	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					8.1	000E00	000E00	460E01
4.0								
7.0						600E00		110E02
10.0								
13.0								
14.0						400E00	000E00	900E01

DEPTH	SPC 35
1.0	210E01
4.0	
7.0	480E01
10.0	
13.0	
14.0	290E01

C-REF-NO 108
CONS. NO 065
COUNTRY 18
INSTITUTE 22

LAT 42-08-12N
LON 082-08-18W

YEAR 1968
MONTH 08
DAY 02
TIME 0637

NO. DEPTHS 07
SOUNDING 0207
BT SLIDE NO 065

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			22.11	0.00	0.2	305	9.03	
4.0			22.10	0.02	0.2	305	9.02	
7.0			22.11	0.01	0.2	305	9.02	
10.0			22.12	0.02	0.2	305	9.03	
13.0			22.09	0.00	0.2	305	8.95	
16.0			13.42	0.01	0.4	325	3.35	
19.0			13.21	0.01	0.7	329	2.93	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					4.1	100E00	000E00	130E02
4.0								
7.0						100E00		400E01
10.0								
13.0								
16.0								
19.0						870E01	000E00	900E01

DEPTH	SPC 35
1.0	310E01
4.0	
7.0	490E01
10.0	
13.0	
16.0	
19.0	300E01

C-REF-NO 108
 CONS. NO 066
 COUNTRY 18
 INSTITUTE 22

LAT 41-57-54N
 LON 082-02-30W

YEAR 1968
 MONTH 08
 DAY 02
 TIME 0801

NO. DEPTHS 08
 SOUNDING 0226
 BT SLIDE NO 066

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PD4
1.0			21.87	0.02	0.1	313	8.77	
4.0			21.87	0.01	0.1	312	8.78	
7.0			21.86	0.03	0.1	312	8.78	
10.0			21.86	0.00	0.1	312	8.78	
13.0			21.85	0.02	0.1	311	8.75	
16.0			21.63	0.00	0.1	312	8.55	
19.0			11.13	0.01	0.2	329	3.46	
21.0			11.12	0.00	0.2	329	3.44	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					5.6	000E00		850E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
21.0						250E01		290E02

DEPTH	SPC 35
1.0	520E01
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
21.0	760E01

C-REF-NO 108
 CONS. NO 067
 COUNTRY 18
 INSTITUTE 22

LAT 41-47-18N
 LON 081-56-42W

YEAR 1968
 MONTH 08
 DAY 02
 TIME 0924

NO. DEPTHS 08
 SOUNDING 0226
 BT SLIDE NO 067

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			22.02	0.01	0.1	320	8.87	
4.0			22.01	0.03	0.1	320	8.89	
7.0			22.00	0.02	0.1	319	8.87	
10.0			22.01	0.00	0.1	319	8.91	
13.0			21.92	0.02	0.1	318	8.78	
16.0			21.83	0.01	0.1	319	8.59	
19.0			13.79	0.03	0.3	327	4.30	
21.0			12.88	0.01			3.27	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					3.0			
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
21.0								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
21.0	

C-REF-NO 108
CONS. NO 068
COUNTRY 18
INSTITUTE 22

LAT 41-36-54N
LON 081-50-48W

YEAR 1968
MONTH 08
DAY 02
TIME 1046

NO. DEPTHS 07
SOUNDING 0192
BT SLIDE NO 068

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	4.0	10	22.54	0.00	0.2	314	8.69	
4.0			22.53	0.01	0.2	316	8.73	
7.0			22.53	0.02	0.3	315	8.64	
10.0			22.54	0.00	0.3	314	8.64	
13.0			22.46	0.02	0.2	317	9.70	
16.0			13.70	0.00	0.2	315	2.15	
18.0			13.70	0.01	0.3	314	1.42	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.6	000E00	000E00	590E01
4.0								
7.0						000E00		610E01
10.0								
13.0								
16.0								
18.0						200E00	000E00	130E02

DEPTH	SPC 35
1.0	480E01
4.0	
7.0	300E01
10.0	
13.0	
16.0	
18.0	680E01

C-REF-NO 108
CONS. NO 069
COUNTRY 18
INSTITUTE 22

LAT 41-32-42N
LON 082-04-24W

YEAR 1968
MONTH 08
DAY 02
TIME 1202

NO. DEPTHS 06
SOUNDING 0161
BT SLIDE NO 069

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	4.0	10	22.75	0.01	0.3	303	9.47	
4.0			22.74	0.01	0.4	300	9.81	
7.0			22.73	0.02	0.3	299	8.83	
10.0			22.74	0.02	0.4	302	8.86	
13.0			22.48	0.00	0.4	305	8.16	
15.0			16.94	0.01	0.5	321	0.28	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					7.7	000E00	000E00	100E02
4.0								
7.0						000E00		110E02
10.0								
13.0								
15.0						100E00	000E00	340E02

DEPTH	SPC 35
1.0	610E01
4.0	
7.0	410E01
10.0	
13.0	
15.0	270E02

C-REF-NO 108
CONS. NO 070
COUNTRY 18
INSTITUTE 22

LAT 41-42-54N
LON 082-10-12W

YEAR 1968
MONTH 08
DAY 02
TIME 1326

NO. DEPTHS 07
SOUNDING 0195
BT SLIDE NO 070

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PD4
1.0	5.0	10	22.40	0.01	0.2	315	8.81	0.031
4.0			22.39	0.02	0.2	315	9.00	
7.0			22.36	0.02	0.1	314	8.75	
10.0			22.27	0.01	0.2	314	8.69	
13.0			21.66	0.03	0.2	318	8.27	
16.0			12.89	0.01	0.3	325	2.35	0.033
18.0			12.90	0.00	0.4	320	2.34	0.037

DEPTH	SR PD4	NH3	TFN03	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.002	0.009	0.078	0.160	2.5	700E00		920E01
4.0								
7.0								
10.0								
13.0								
16.0	0.009	0.015	0.220	1.000				
18.0	0.011	0.018	0.220	1.000		200E00		910E01

DEPTH	SPC 35	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	940E01	208.0	93.0	26.1	37.500	8.200	1.240	11.600
4.0								
7.0								
10.0								
13.0								
16.0		206.0	94.2	25.3	37.100	8.200	1.240	11.100
18.0	450E01	205.0	93.6	25.5	38.000	8.400	1.260	11.100

DEPTH	PH 25	F	CL	HARD
1.0	8.300	0.118	26.0	127.4
4.0				
7.0				
10.0				
13.0				
16.0	7.500	0.132	24.4	126.4
18.0	7.500	0.123	24.6	129.5

C-REF-NO 108
CONS. NO 071
COUNTRY 18
INSTITUTE 22

LAT 41-53-18N
 LGN 082-16-12W

YEAR 1968
 MONTH 08
 DAY 02
 TIME 1458

NO. DEPTHS 07
 SOUNDING 0183
 BT SLIDE NO 071

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PD4
1.0	4.5	8	22.15	0.01	0.2	310	8.97	0.033
4.0			22.02	0.00	0.3	309	8.95	
7.0			21.92	0.02	0.2	308	8.84	
10.0			21.91	0.00	0.2	308	8.73	
13.0			21.90	0.02	0.3	308	8.70	
16.0			21.91	0.01	0.2	311	8.69	
17.0			18.54	0.04	0.3	314	8.56	

DEPTH	SR PD4	NH3	TFN03	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.006	0.002	0.060	0.150	6.5			
4.0								
7.0								
10.0								
13.0								
16.0								
17.0								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	
16.0	
17.0	

C-REF-NO 108
 CONS. NO 072
 COUNTRY 18
 INSTITUTE 22

LAT 42-03-48N
 LON 082-22-24W

YEAR 1968
 MONTH 08
 DAY 02
 TIME 1621

NO. DEPTHS 05
 SOUNDING 0168
 BT SLIDE NO 072

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.C	3.0	10	22.26	0.00	0.2	294	8.91	0.084
4.C			22.20	0.02	0.2	292	8.95	
7.C			21.82	0.02	0.2	292	8.30	
10.C			21.23	0.00	0.2	294	7.47	
13.C			12.89	0.00	0.4	324	6.70	

DEPTH	SR P04	NH3	TFNO3	R SIC2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.C08	0.024	0.080	0.385	5.6	500E00		200E02
4.0								
7.0						200E00		250E02
10.0								
13.0								

DEPTH	SPC 35
1.0	44CE01
4.0	
7.0	98CE01
10.0	
13.0	

C-REF-NO 108
 CONS. NO 073
 COUNTRY 18
 INSTITUTE 22

LAT 41-48-48N
 LON 082-30-06W

YEAR 1968
 MONTH 08
 DAY 02
 TIME 1827

NO. DEPTHS 04
 SOUNDING 0113
 BT SLIDE NO 073

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	1.5	11	23.66	0.00	0.8	271	10.28	
4.0			23.21	0.02	0.8	270	9.50	
7.0			22.11	0.01	0.8	273	7.29	
10.0			19.84	0.02	0.9	291	4.59	

DEPTH	SR P04	NH3	TFNO3	R SI02	CHLORA	MF COL	MF FCO	SPC 20
1.0					8.2	000E00		
4.0								
7.0								
10.0						600E00		

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	

C-REF-NO 108
 CONS. NO 074
 COUNTRY 18
 INSTITUTE 22

LAT 41-38-30N
 LON 082-24-12W

YEAR 1968
 MONTH 08
 DAY 02
 TIME 1951

NO. DEPTHS 05
 SOUNDING 0146
 BT SLIDE NO 074

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	4.0	11	24.16	0.01	0.2	287	8.33	
4.0			22.89	0.00	0.2	288	8.67	
7.0			22.41	0.01	0.3	295	8.94	
10.0			22.38	0.01	0.2	299	8.10	
13.0			17.59	0.01	0.4	318	0.55	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					4.6			
4.0								
7.0								
10.0								
13.0								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	

C-REF-NO 108
 CONS. NO 075
 COUNTRY 18
 INSTITUTE 22

LAT 41-28-06N
 LON 082-18-18W

YEAR 1968
 MONTH 08
 DAY 02
 TIME 2113

NO. DEPTHS 05
 SOUNDING 0131
 BT SLIDE NO 075

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.0	10	23.94	0.02	0.6	298	9.95	
4.0			23.74	0.03	0.6	298	9.95	
7.0			23.33	0.01	0.6	300	8.97	
10.0			23.11		0.6	301	8.56	
12.0			21.87	0.02	1.0	306	6.82	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					11.3	900E00	000E00	
4.0								
7.0						200E00		
10.0								
12.0						700E00	000E00	

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
12.0	

C-REF-NO 108
 CONS. NO 076
 COUNTRY 18
 INSTITUTE 22

LAT 41-25-12N
 LON 082-30-12W

YEAR 1968
 MONTH 08
 DAY 02
 TIME 2217

NO. DEPTHS 04
 SOUNDING 0104
 BT SLIDE NO 076

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	1.5	11	23.79	0.00	1.0	302	9.03	0.125
4.0			23.95	0.02	1.0	300	9.93	
7.0			23.44	0.01	1.0	304	7.80	
10.0			23.37	0.01	3.0	306	7.04	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.031	0.020	0.036	0.750	24.8	370E01		
4.0						500E00		
7.0						110E01		
10.0								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	

C-REF-NO 108
 CONS. NO 077
 COUNTRY 18
 INSTITUTE 22

LAT 41-34-00N
 LON 082-38-06W

YEAR 1968
 MONTH 08
 DAY 02
 TIME 2328

NO. DEPTHS 05
 SOUNDING 0131
 BT SLIDE NO 077

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	3.0	11	23.66	0.01	1.0	297	9.76	
4.0			23.67	0.02	0.9	303	10.93	
7.0			22.97	0.02	1.0	301	7.57	
10.0			22.94	0.00	0.8	302	7.43	
12.0			22.95	0.00	2.0	302	7.27	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					16.4	130E01	000E00	
4.0						400E00		
7.0								
10.0						000E00	000E00	
12.0								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
12.0	120E01

C-REF-NO 108
CONS. NO 078
COUNTRY 18
INSTITUTE 22

LAT 41-44-18N
LON 082-44-00W

YEAR 1968
MONTH 08
DAY 03
TIME 0048

NO. DEPTHS 04
SOUNDING 0094
BT SLIDE NO 078

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0	2.0	11	23.90	0.06	1.0	281	9.81	0.078
4.0			23.70	0.01	1.1	280	10.00	
7.0			23.43	0.02	1.0	282	8.31	
8.0			23.43	0.01	1.0	282	8.19	0.073

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.012	0.036	0.116	0.090	8.4	120E01	000E00	370E01
4.0								
7.0						100E00		370E01
8.0	0.015	0.034	0.116	0.085		400E00	000E00	320E01

DEPTH	SPC 35	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	520E01	182.0	89.6	23.2	35.000	8.100	1.200	9.300
4.0								
7.0	370E01							
8.0	280E01	181.0	91.3	22.8	33.500	8.400	1.200	9.300

DEPTH	PH 25	F	CL	HARD
1.0	8.000	0.110	19.1	120.8
4.0				
7.0				
8.0	8.300	0.110	19.1	118.3

C-REF-NO 108
 CONS. NO 079
 COUNTRY 18
 INSTITUTE 22

LAT 41-41-06N
 LON 082-56-00W

YEAR 1968
 MONTH 08
 DAY 03
 TIME 0209

NO. DEPTHS 04
 SOUNDING 0094
 BT SLIDE NO 079

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			25.94	0.01	1.2	274	11.66	
4.0			23.66	0.02	1.1	275	9.16	
7.0			23.42	0.01	1.1	278	7.41	
8.0			23.32	0.00	2.1	276	6.38	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					18.5	000E00		320E01
4.0								
7.0								
8.0						200E00		800E00

DEPTH	SPC 35
1.0	490E01
4.0	
7.0	
8.0	110E01

C-REF-NO 108
 CONS. NO 080
 COUNTRY 18
 INSTITUTE 22

LAT 41-43-54N
 LON 083-10-24W

YEAR 1968
 MONTH 08
 DAY 03
 TIME 0327

NO. DEPTHS 03
 SOUNDING 0070
 BT SLIDE NO 080

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			24.17	0.01	1.0	286	8.05	
4.0			23.74	0.02	3.0	287	7.50	
6.0			23.44	0.01	7.0	286	6.98	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					5.9	400E00		260E02
4.0								
6.0						200E00		100E02

DEPTH	SPC 35
1.0	120E02
4.0	
6.0	140E02

C-REF-NO 108
 CONS. NO 081
 COUNTRY 18
 INSTITUTE 22

LAT 41-53-30N
 LON 083-11-48W

YEAR 1968
 MONTH 08
 DAY 03
 TIME 0436

NO. DEPTHS 03
 SOUNDING 0085
 BT SLIDE NO 081

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CUN 25	O2 W	T PD4
1.0			23.24	0.00	1.8	289	7.60	0.350
4.0			23.25	0.01	2.0	295	7.60	
7.0			23.19	0.01	2.2	289	7.35	0.350

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.250	0.133	0.190	0.275	12.8	150E01	700E00	990E01
4.0								
7.0	0.250	0.114	0.170	0.300		160E01	000E00	130E02

DEPTH	SPC 35	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	560E02	181.0	87.8	21.9	32.000	8.200	1.600	11.600
4.0								
7.0	940E02	179.0	86.1	21.5	32.000	8.200	1.600	11.500

DEPTH	PH 25	F	CL	HARD
1.0	7.600	0.111	21.2	113.7
4.0				
7.0	7.700	0.114	20.9	113.7

C-REF-NO 108
 CONS. NO 082
 COUNTRY 18
 INSTITUTE 22

LAT 41-56-48N
 LON 083-02-42W

YEAR 1968
 MONTH 08
 DAY 03
 TIME 0545

NO. DEPTHS 03
 SOUNDING 0091
 BT SLIDE NO 082

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PD4
1.0			22.52	0.02	1.1	260	10.20	
4.0			22.12	0.01	1.3	257	9.03	
7.0			21.62	0.02	1.5	248	8.17	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					9.0	510E01	240E01	180E02
4.0								
7.0						830E01	490E01	490E02

DEPTH	SPC 35
1.0	
4.0	
7.0	

C-REF-NO 108
CONS. NO 083
COUNTRY 18
INSTITUTE 22

LAT 41-49-54N
LON 083-01-06W

YEAR 1968
MONTH 08
DAY 03
TIME 0642

NO. DEPTHS 04
SOUNDING 0104
BT SLIDE NO 083

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			23.43	0.02	0.8	251	9.03	
4.0			23.05	0.01	1.0	246	8.10	
7.0			22.81	0.00	1.2	246	7.32	
8.0			22.68	0.00	1.6	244	7.01	

DEPTH	SR P04	NH3	TFNO3	R SID2	CHLORA	MF COL	MF FCD	SPC 20
1.0					16.2	100E01		300E01
4.0								
7.0								
8.0						540E01		710E01

DEPTH	SPC 35
1.0	
4.0	
7.0	
8.0	390E02

C-REF-NO 108
CONS. NO 084
COUNTRY 18
INSTITUTE 22

LAT 41-54-42N
LON 082-50-24W

YEAR 1968
MONTH 08
DAY 03
TIME 0753

NO. DEPTHS 04
SOUNDING 0107
BT SLIDE NO 084

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			23.48	0.00	0.8	256	9.19	0.105
4.0			23.51	0.01	0.8	257	9.16	
7.0			23.45	0.01	0.7	252	8.77	
9.0			23.34	0.01	0.9	257	8.17	0.125

DEPTH	SR P04	NH3	TFN03	R SI02	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.051	0.035	0.140	0.750	13.8	400E00		990E01
4.0								
7.0								
9.0	0.076	0.047	0.150	0.750		100E02		120E02

DEPTH	SPC 35	F RES	TT ALK	S SU4	CA NFA	MG NF	K NFS	NA NFS
1.0	230E02	158.0	84.3	18.8	30.000	7.500	1.000	8.100
4.0								
7.0								
9.0	900E01	160.0	83.2	19.5	30.000	7.600	1.400	8.100

DEPTH	PH 25	F	CL	HARD
1.0	7.900	0.095	16.9	105.8
4.0				
7.0				
9.0	7.700	0.093	16.4	106.2

C-REF-NO 108
CONS. NO 085
COUNTRY 18
INSTITUTE 22

LAT 41-59-12N
LON 082-36-12W

YEAR 1968
MONTH 08
DAY 03
TIME 0913

NO. DEPTHS 04
SOUNDING 0104
BT SLIDE NO 085

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T P04
1.0			23.34	0.02	0.6	274	7.21	
4.0			23.29	0.02	0.6	275	7.10	
7.0			23.32	0.02	0.6	274	7.01	
9.0			23.11	0.01	1.0	277	6.23	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					6.6	170E01		210E02
4.0								
7.0						100E00		240E02
9.0						280E01		420E02

DEPTH	SPC 35
1.0	540E01
4.0	
7.0	130E02
9.0	110E02