Programmed by

DEPARTMENT OF ENERGY, MINES & RESOURCES

FISHERIES RESEARCH BOARD

and

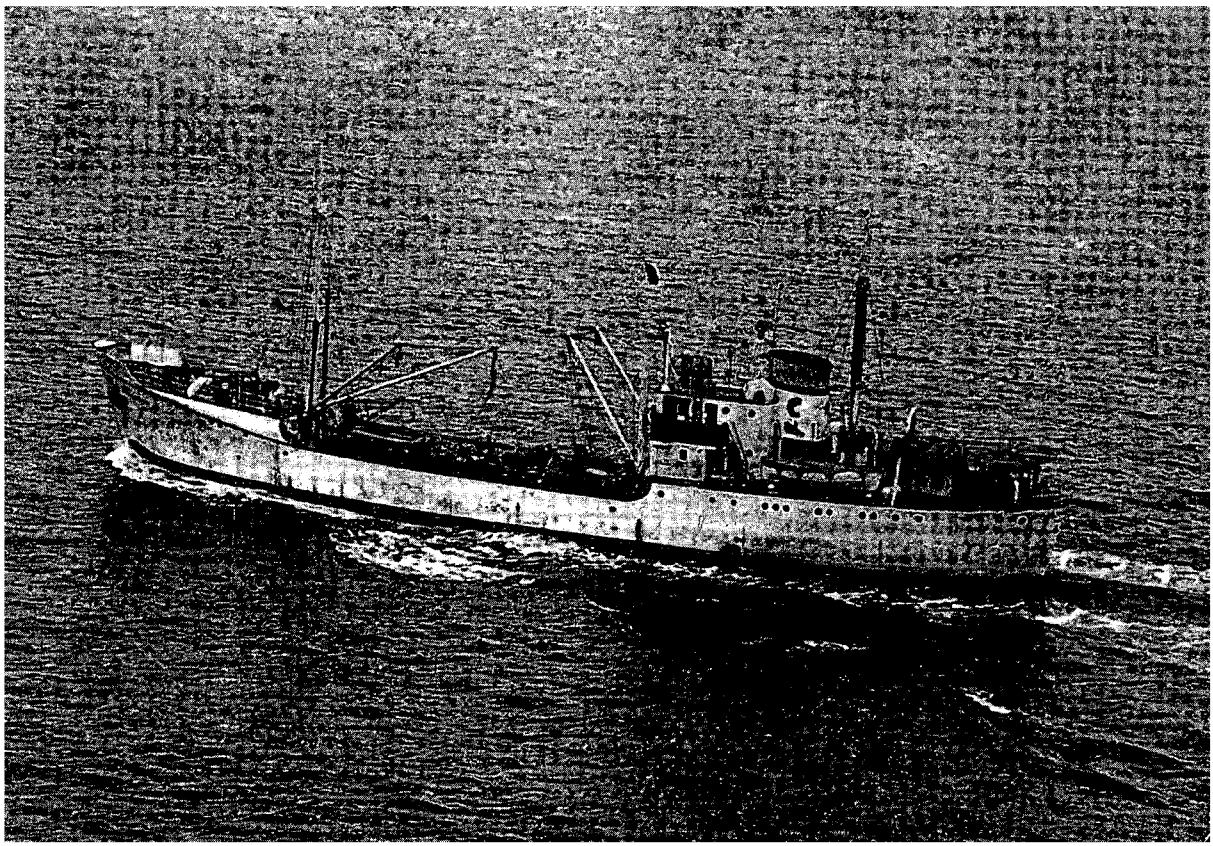
DEPARTMENT OF NATIONAL HEALTH & WELFARE

at

CANADA CENTRE FOR INLAND WATERS

BURLINGTON, ONTARIO

CANADA



M.V. "Theron"

LIMNOLOGICAL DATA REPORT NO. 2

LAKE ERIE

CRUISE 68 - 109, AUGUST 31 - SEPTEMBER 3

CRUISE 68 - 111, SEPTEMBER 28 - OCTOBER 4

CRUISE 68 - 112, NOVEMBER 4 - 10

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

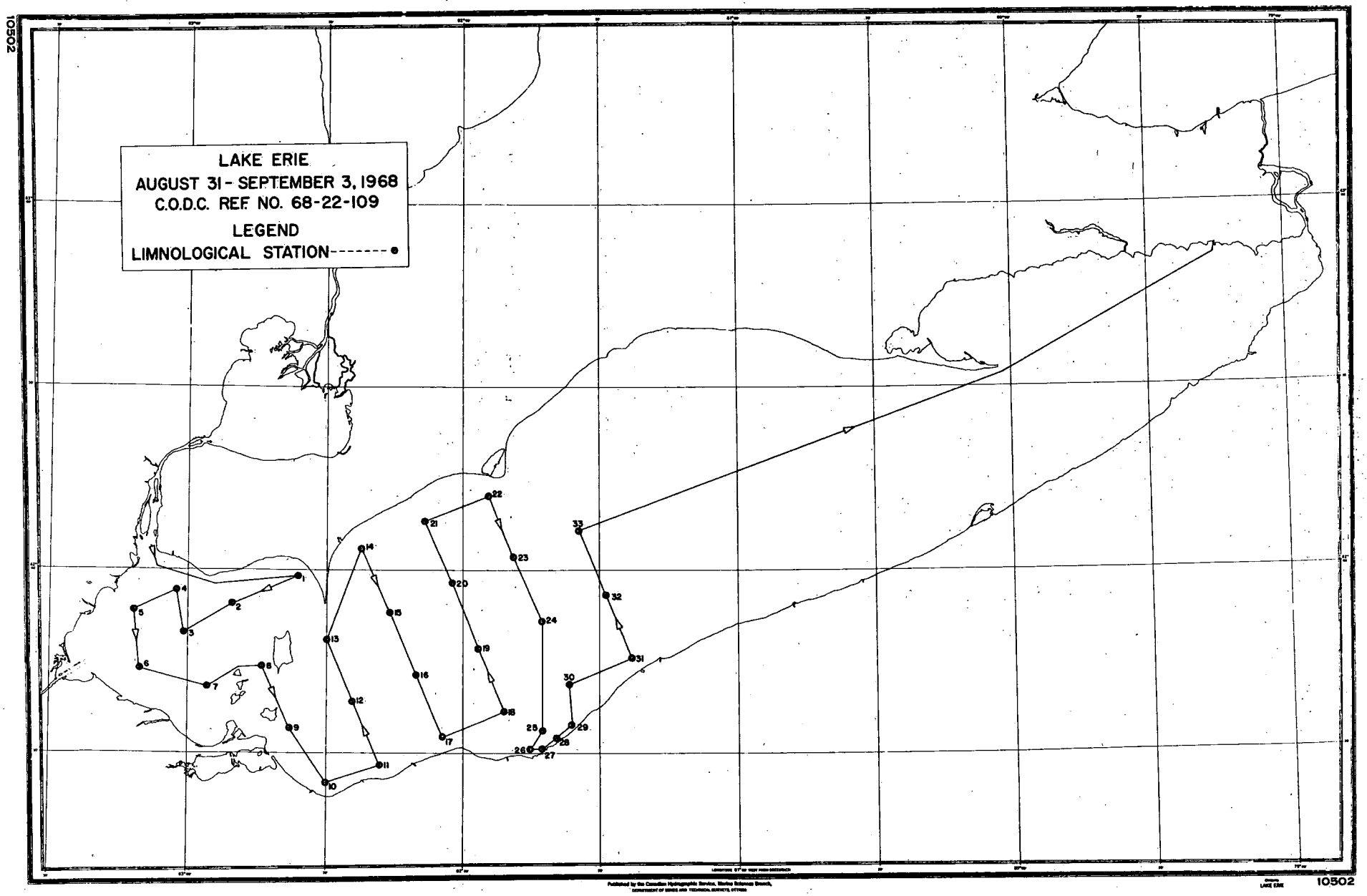
This report is one of a series listing bacteriological, biological, chemical and physical data for waters of Lake Erie, observed by Government of Canada agencies during the period May 17 to November 10, 1968.

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.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LAKE ERIE
AUGUST 31 - SEPTEMBER 3, 1968
C.O.D.C. REF. NO. 68-22-109
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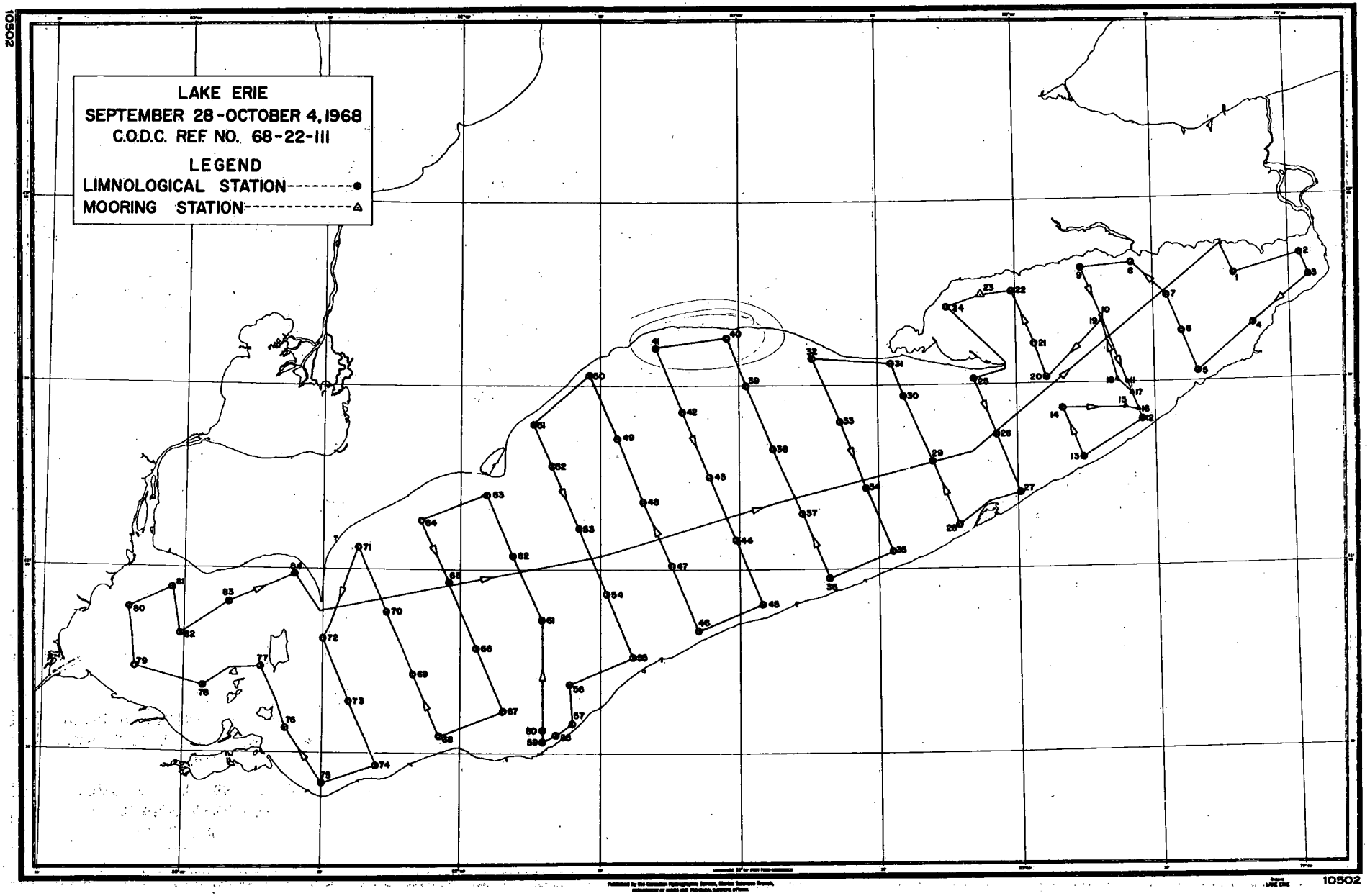
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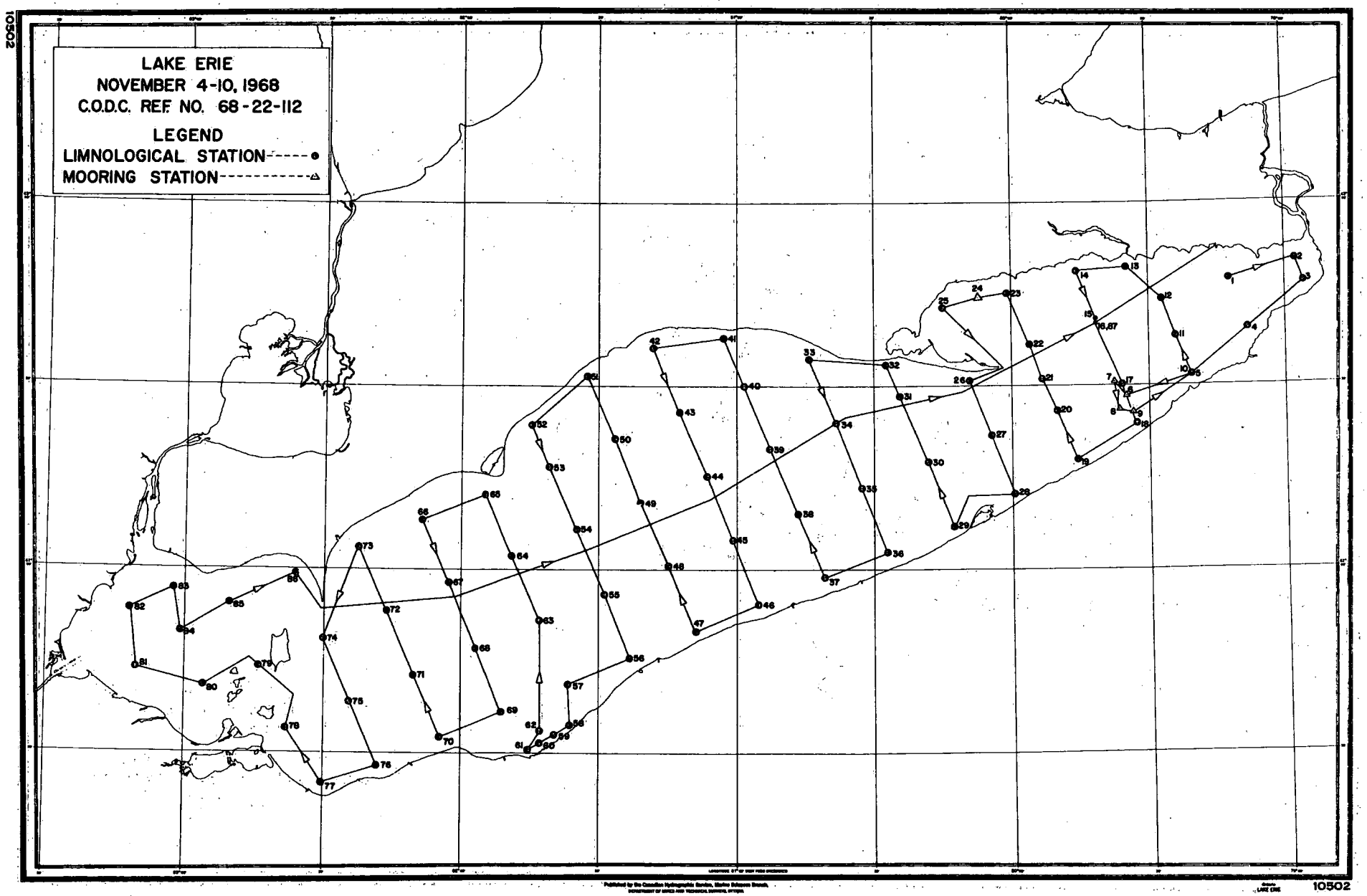
LAKE ERIE
NOVEMBER 4-10, 1968
C.O.D.C. REF. NO. 68-22-112
LEGEND
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Summary of the Cruises and Data listed for Lake Eric.

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	mg$CaCO_3$/L	1	219
Oxygen, dissolved (Winkler)	O_2W	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 = 1.30×10^2 = 130.
100E00 = 1.00×10^0 = 1.
000E00 = 0.00×10^0 = 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 - Ohmometric, 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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Mr. H.A. Savile (G.L.D.)

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

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

Other Participating Agencies

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

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

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

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CRUISE 68 - 109

C-REF-NO 109
CONS. NO 001
COUNTRY 18
INSTITUTE 22

LAT 41-59-12N
LON 082-36-12W

YEAR 1968
MONTH 08
DAY 31
TIME 1828

NO. DEPTHS 04
SOUNDING 0101
BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0	0.5	11	23.28	0.02	1.8	245	9.70	
4.0			23.36	0.01	1.8	269	10.10	
7.0			22.81	0.01	2.2	275	8.73	
8.0			22.81	0.02	3.4	274	8.71	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0				6.7	400E00	140E02	940E01
4.0							
7.0							
8.0							

C-REF-NO 109
CONS. NO 002
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 08
DAY 31
TIME 1955

NO. DEPTHS 04
SOUNDING 0104
BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0	1.5	11	23.05	0.02	0.7	261	10.60	0.010
4.0			23.12	0.01	0.8	257	10.65	
7.0			22.40	0.01	0.9	260	9.06	
8.0			22.34	0.01	1.2	259	9.06	0.007

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0	0.008	0.077	0.250	19.1	170E01	760E01	560E01
4.0							
7.0							
8.0	0.025	0.073	0.290				

C-REF-NO 109
CONS. NO 003
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 08
DAY 31
TIME 2110

NO. DEPTHS 04
SOUNDING 0098
BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0	0.5	11	23.15	0.03	1.6	259	10.54	
4.0			23.16	0.02	2.1	254	10.57	
7.0			22.40	0.01	2.1	259	8.16	
8.0			22.36	0.02	2.4	264	7.93	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0					000E00	110E02	770E01
4.0							
7.0							
8.0							

C-REF-NO 109
CONS. NO 004
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 08
DAY 31
TIME 2207

NO. DEPTHS 03
SOUNDING 0085
BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0	1.0	11	21.70	0.02	0.8	297	10.82	
4.0			21.77	0.02	0.5	309	10.96	
7.0			21.48	0.01	0.4	308	9.95	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0					380E01	500E02	320E02
4.0							
7.0							

C-REF-NO 109
CONS. NO 005
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 08
DAY 31
TIME 2305

NO. DEPTHS 03
SOUNDING 0076
BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0	1.0	11	22.52	0.02	0.9	247	11.32	0.043
4.0			22.51	0.01	0.6	251	11.34	
7.0			21.88	0.01	3.5	243	8.81	0.050

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0	0.030	0.037	0.565		110E02	130E03	
4.0							
7.0	0.021	0.066	0.795				

C-REF-NO 109
CONS. NO 006
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 01
TIME 0021

NO. DEPTHS 03
SOUNDING 0067
BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0			22.63	0.00	1.2	269	9.74	
4.0			22.63	0.02	0.8	270	9.74	
5.0			22.60	0.01	1.3	261	9.71	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0				14.3	000E00	170E02	140E02
4.0							
5.0							

C-REF-NO 109
CONS. NO 007
COUNTRY 18
INSTITUTE 22

LAT 41-41-06N
LON 082-56-00W

YEAR 1968
MONTH 09
DAY 01
TIME 0143

NO. DEPTHS 04
SOUNDING 0091
BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0			22.88	0.00	3.0	242	8.98	
4.0			22.87	0.01	2.4	263	9.04	
7.0			22.85	0.05	2.0	266	9.06	
8.0			22.65	0.01	2.3	262	8.60	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0				16.0	000E00	300E02	230E02
4.0							
7.0							
8.0							

C-REF-NO 109
CONS. NO 008
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 01
TIME 0259

NO. DEPTHS 04
SOUNDING 0098
BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0			22.75	0.01	1.4	285	9.09	0.009
4.0			22.75	0.01	0.9	287	9.26	
7.0			22.74	0.01	1.1	280	9.34	
9.0			22.57	0.01	1.5	280	8.63	0.014

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0	0.036	0.007	0.160	5.0	400E00	120E02	100E02
4.0							
7.0							
9.0	0.022	0.005	0.155				

C-REF-NO 109
CONS. NO 009
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 01
TIME 0445

NO. DEPTHS 05
SOUNDING 0128
BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0			22.53	0.01	1.4	316	7.98	
4.0			22.54	0.01	1.0	316	8.05	
7.0			22.53	0.02	0.9	315	8.02	
10.0			22.52	0.03	1.3	314	7.93	
11.0			22.52	0.01	1.3	283	7.90	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0				7.0	000E00	770E01	760E01
4.0							
7.0							
10.0							
11.0							

C-REF-NO 109
CONS. NO 010
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 01
TIME 0604

NO. DEPTHS 04
SOUNDING 0107
BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0			22.47	0.02	0.6	279	8.21	0.032
4.0			22.46	0.01	0.7	304	8.21	
7.0			22.46	0.01	0.7	308	8.24	
8.0			22.46	0.02	0.7	308	8.21	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0	0.048	0.051	0.420	6.0	160E01	120E02	950E01
4.0							
7.0							
8.0							

C-REF-NO 109
CONS. NO 011
COUNTRY 18
INSTITUTE 22

LAT 41-28-06N
LON 082-18-18W

YEAR 1968
MONTH 09
DAY 01
TIME 0712

NO. DEPTHS 05
SOUNDING 0128
BT SLIDE NO 011

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0			22.67	0.00	0.3	285	8.68	
4.0			22.66	0.01	0.3	310	8.71	
7.0			22.66	0.02	0.3	316	8.68	
10.0			22.67	0.01	0.7	315	8.68	
11.0			22.67	0.02	0.8	316	8.68	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0				4.5	100E00	120E02	120E02
4.0							
7.0							
10.0							
11.0							

C-REF-NO 109
CONS. NO 012
COUNTRY 18
INSTITUTE 22

LAT 41-38-30N
LON 082-24-12W

YEAR 1968
MONTH 09
DAY 01
TIME 0832

NO. DEPTHS 04
SOUNDING 0128
BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0			22.34	0.00	0.2	297	7.51	
4.0			22.33	0.02	0.7	305	7.57	
7.0			22.32	0.00	0.9	306	7.57	
10.0			22.32	0.04	0.8	306	7.51	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0				16.0	290E01	110E02	110E02
4.0							
7.0							
10.0							

C-REF-NO 109
CONS. NO 013
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 01
TIME 0947

NO. DEPTHS 04
SOUNDING 0110
BT SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0			22.60	0.02	0.8	280	8.71	
4.0			22.58	0.02	0.5	273	8.84	
7.0			22.57	0.02	0.8	278	8.84	
10.0			22.55	0.00	0.5	276	8.79	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0				8.2	000E00	190E02	140E02
4.0							
7.0							
10.0							

C-REF-NO 109
CONS. NO 014
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 01
TIME 1145

NO. DEPTHS 05
SOUNDING 0140
BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0	1.5	10	21.71	0.01	0.1	293	8.62	0.003
4.0			21.00	0.01	0.1	291	8.71	
7.0			21.46	0.11	0.1	291	8.63	
10.0			21.70	0.01	0.1	293	8.60	
13.0			21.01	0.01	0.1	290	8.59	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0	0.035	0.004	0.325	3.0	200E00	180E02	110E02
4.0							
7.0							
10.0							
13.0							

C-REF-NO 109
CONS. NO 015
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 01
TIME 1319

NO. DEPTHS 06
SOUNDING 0168
BT SLIDE NO 015

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0	2.5	11	21.94	0.02	0.8	292	8.71	0.020
4.0			21.94	0.00	0.6	301	8.56	
7.0			21.93	0.01	0.5	299	8.59	
10.0			21.92	0.02	0.4	299	8.57	
13.0			21.93	0.00	0.4	296	8.54	
16.0			13.82	0.01	0.7	315	0.81	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0	0.029	0.011	0.240	5.3	100E00	460E01	540E01
4.0							
7.0							
10.0							
13.0							
16.0							

C-REF-NO 109
CONS. NO 016
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 01
TIME 1450

NO. DEPTHS 07
SOUNDING 0183
BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0	3.5	10	22.35	0.01	0.1	316	8.02	0.002
4.0			22.35	0.01	0.1	316	8.20	
7.0			22.34	0.00	0.1	318	8.18	
10.0			22.35		0.1	300	8.07	
13.0			22.34	0.01	0.1	313	8.05	
16.0			22.34	0.02	0.8	317	7.99	
17.0			22.35	0.00	0.1	316	7.44	0.004

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0	0.032	0.005	0.315	3.2	000E00	570E01	470E01
4.0							
7.0							
10.0							
13.0							
16.0							
17.0	0.032	0.004	0.315				

C-REF-NO 109
CONS. NO 017
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 01
TIME 1627

NO. DEPTHS 06
SOUNDING 0158
BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0	3.0	11	22.59	0.02	0.5	292	8.01	0.026
4.0			22.58	0.01	0.5	318	8.04	
7.0			22.57	0.02	0.5	321	8.07	
10.0			22.57	0.02	0.5	321	8.07	
13.0			22.56	0.00	0.5	322	8.02	
14.0			22.35	0.00	0.5	322	7.87	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0	0.058	0.021	0.365	19.4	300E00	430E01	410E01
4.0							
7.0							
10.0							
13.0							
14.0							

C-REF-NO 109
CONS. NO 018
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 01
TIME 1752

NO. DEPTHS 06
SOUNDING 0183
BT SLIDE NO 018

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0	4.5	10	22.35	0.02	0.1	292	8.30	
4.0			22.35	0.01	0.1	316	8.21	
7.0			22.33	0.01	0.1	316	8.29	
10.0			22.34	0.00	0.1	317	8.26	
13.0			22.34	0.02	0.1	316	8.26	
16.0			22.32	0.01	0.1	318	5.25	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0				9.7	300E00	450E02	260E02
4.0							
7.0							
10.0							
13.0							
16.0							

C-REF-NO 109
CONS. NO 019
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 01
TIME 1916

NO. DEPTHS 08
SOUNDING 0219
BT SLIDE NO 019

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0	4.5	8	21.84	0.00	0.1	292	8.41	
4.0			21.84	0.00	0.1	305	8.43	
7.0			21.83	0.01	0.1	308	8.45	
10.0			21.82	0.03	0.1	308	8.46	
13.0			21.82	0.01	0.1	309	8.43	
16.0			21.83	0.01	0.1	308	8.43	
19.0			21.80	0.00	0.1	307	8.37	
20.0			14.25	0.07	0.3	329	1.31	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0				8.7	000E00	400E01	330E01
4.0							
7.0							
10.0							
13.0							
16.0							
19.0							
20.0							

C-REF-NO 109
CONS. NO 020
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 01
TIME 2039

NO. DEPTHS 07
SOUNDING 0219
BT SLIDE NO 020

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0	2.0	10	22.18	0.01	0.0	313	8.35	
4.0			22.17	0.02	0.0	307	8.34	
7.0			22.17	0.01	0.0	307	8.35	
10.0			22.17	0.01	0.0	306	8.34	
13.0			22.19	0.01	0.0	306	8.35	
16.0			22.20	0.03	0.0	306	0.27	
19.0			13.39	0.02	0.6	318	8.32	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0				10.6	400E00	550E01	400E01
4.0							
7.0							
10.0							
13.0							
16.0							
19.0							

C-REF-NO 109
CONS. NO 021
COUNTRY 18
INSTITUTE 22

LAT 42-08-06N
LON 082-08-24W

YEAR 1968
MONTH 09
DAY 01
TIME 2203

NO. DEPTHS 07
SOUNDING 0201
BT SLIDE NO 021

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0	2.0	10	21.59	0.01	0.1	294	8.40	
4.0			21.59	0.00	0.1	286	8.40	
7.0			21.57	0.01	0.1	286	8.40	
10.0			21.56	0.00	0.1	288	8.37	
13.0			21.49	0.01	0.1	285	8.23	
16.0			13.78	0.04	0.2	310	2.35	
19.0			12.14	0.00	0.2	317	0.23	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0				16.5	000E00	190E02	100E02
4.0							
7.0							
10.0							
13.0							
16.0							
19.0							

C-REF-NO 109
CONS. NO 022
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 01
TIME 2316

NO. DEPTHS 06
SOUNDING 0165
BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0	2.0	10	21.79	0.00	0.1	292	8.32	
4.0			21.79	0.01	0.1	289	8.46	
7.0			21.77	0.01	0.1	290	8.29	
10.0			21.76	0.01	0.1	291	8.27	
13.0			20.46	0.00	0.1	302	7.29	
16.0			15.11	0.00	0.1	319	0.86	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0				12.5	100E01	170E02	230E02
4.0							
7.0							
10.0							
13.0							
16.0							

C-REF-NO 109
CONS. NO 023
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 02
TIME 0043

NO. DEPTHS 08
SOUNDING 0229
BT SLIDE NO 023

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0			21.86	0.00	0.1	302	8.24	
4.0			21.86	0.01	0.1	313	8.30	
7.0			21.84	0.02	0.1	315	8.34	
10.0			21.84	0.02	0.1	313	8.35	
13.0			21.85	0.00	0.1	311	8.32	
16.0			21.86	0.00	0.1	314	8.38	
19.0			21.86	0.00	0.1	316	8.30	
21.0			21.78	0.00	0.1	317	8.21	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0				1.4	000E00	300E02	200E02
4.0							
7.0							
10.0							
13.0							
16.0							
19.0							
21.0							

C-REF-NO 109
CONS. NO 024
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 02
TIME 0215

NO. DEPTHS 08
SOUNDING 0226
BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0			21.74	0.02	0.1	311	8.20	
4.0			21.74	0.00	0.1	310	8.21	
7.0			21.72	0.01	0.1	311	8.46	
10.0			21.74		0.1	312	8.63	
13.0			21.73	0.00	0.1	313	8.37	
16.0			21.73	0.00	0.1	312	8.39	
19.0			21.73	0.01	0.1	310	8.43	
21.0			13.12	0.01	0.2	329	0.66	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0				1.0	200E00	950E01	400E01
4.0							
7.0							
10.0							
13.0							
16.0							
19.0							
21.0							

C-REF-NO 109
CONS. NO 025
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 02
TIME 0422

NO. DEPTHS 05
SOUNDING 0149
BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0			22.26	0.00	0.3	323	8.57	0.004
4.0			22.27	0.01	0.3	323	8.68	
7.0			22.26	0.02	0.4	323	8.68	
10.0			22.25	0.01	0.4	323	8.66	
13.0			22.25	0.01	0.4	323	8.60	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0	0.015	0.023	0.303	7.4	000E00	160E02	980E01
4.0							
7.0							
10.0							
13.0							

C-REF-NO 109
CONS. NO 026
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 02
TIME 0456

NO. DEPTHS 01
SOUNDING 0125
BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0								

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0					300E00	460E01	180E01

C-REF-NO 109
CONS. NO 027
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 02
TIME 0523

NO. DEPTHS 04
SOUNDING 0122
BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0			22.30	0.00	0.2	302	9.07	
4.0			22.30	0.02	0.3	329	9.10	
7.0			22.31	0.01	0.4	332	9.07	
10.0			22.31	0.00	0.4	332	9.07	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0				9.0	140E01	810E01	630E01
4.0							
7.0							
10.0							

C-REF-NO 109
CONS. NO 028
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 02
TIME 0552

NO. DEPTHS 04
SOUNDING 0122
BT SLIDE NO 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0			22.22	0.01	0.3	329	8.99	
4.0			22.23	0.01	0.2	319	9.02	
7.0			22.23	0.01	0.2	327	8.95	
10.0			22.23	0.02	0.3	329	8.95	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0				9.7	100E00	680E01	550E01
4.0							
7.0							
10.0							

C-REF-NO 109
CONS. NO 029
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 02
TIME 0620

NO. DEPTHS 04
SOUNDING 0116
BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0			22.16	0.01	0.2	333	9.06	0.002
4.0			22.15	0.01	0.3	330	9.12	
7.0			22.15	0.02	0.3	331	9.12	
9.0			22.16	0.01	0.1	331	9.13	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0	0.017	0.011	0.182	7.7			
4.0							
7.0							
9.0							

C-REF-NO 109
CONS. NO 030
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 02
TIME 0958

NO. DEPTHS 06
SOUNDING 0186
BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0			21.81	0.00	0.1	311	8.27	
4.0			21.81	0.01	0.1	311	8.27	
7.0			21.81	0.02	0.1	311	8.26	
10.0			21.81	0.00	0.1	309	8.26	
13.0			21.84	0.01	0.1	312	8.29	
16.0			20.58	0.07	0.2	313	7.55	

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

C-REF-NO 109
CONS. NO 031
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 02
TIME 1112

NO. DEPTHS 05
SOUNDING 0140
BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0	1.0	11	21.97	0.00	0.5	335	8.52	0.007
4.0			21.96	0.01	0.5	336	8.54	
7.0			21.96	0.01	0.5	337	8.56	
10.0			21.95	0.03	0.6	337	8.52	0.006
13.0			18.13	0.06	0.7	334	5.83	0.003

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0	0.013	0.008	0.258				
4.0							
7.0							
10.0	0.019	0.008	0.222				
13.0	0.009	0.008	0.223				

C-REF-NO 109
CONS. NO 032
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 02
TIME 1241

NO. DEPTHS 08
SOUNDING 0229
BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0	5.5	7	21.24	0.00	0.1	310	8.52	0.001
4.0			21.24	0.00	0.1	302	8.54	
7.0			21.24	0.01	0.1	312	8.51	
10.0			21.23	0.02	0.2	313	8.51	
13.0			21.25	0.00	0.1	312	8.49	
16.0			21.23	0.00	0.1	311	8.51	
19.0			17.57	0.18	0.4	314	5.74	
21.0			13.24	0.01	0.2	332	0.56	

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0	0.016	0.023	0.173				
4.0							
7.0							
10.0							
13.0							
16.0							
19.0							
21.0							

C-REF-NO 109
CONS. NO 033
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 02
TIME 1415

NO. DEPTHS 08
SOUNDING 0256
BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	SR PO4
1.0	5.5	7	21.59	0.00	0.2	312	8.20	0.002
4.0			21.60	0.01	0.2	313	8.23	
7.0			21.58	0.01	0.2	311	8.30	
10.0			21.59	0.02	0.1	310	8.24	0.003
13.0			21.58	0.01	0.2	312	8.26	
16.0			21.58	0.01	0.3	304	8.21	
19.0			21.56	0.00	0.2	310	8.20	
22.0			15.03	0.00	0.2	318	8.20	0.006

DEPTH	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
1.0	0.017	0.032	0.199	0.7			
4.0							
7.0							
10.0	0.018	0.031	0.440				
13.0							
16.0							
19.0							
22.0	0.021	0.055	0.408				

CRUISE 68 - 111

C-REF-NO 111
CONS. NO 001
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 28
TIME 1716

NO. DEPTHS 07
SOUNDING 0210
BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	4.0	7	20.37	0.03	0.3	305	8.44	0.031
4.0			20.29	0.01	0.3	320	8.44	
7.0			20.22	0.00	0.3	324	8.89	
10.0			20.20	0.02	0.3	321	8.35	
13.0			20.21	0.00	0.3	323	8.32	
16.0			20.19	0.02	0.3	322	8.27	
19.0			20.20	0.02	0.4	322	8.29	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.018	0.038	0.019	0.512	
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					

C-REF-NO 111
CONS. NO 002
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 28
TIME 1922

NO. DEPTHS 05
SOUNDING 0128
BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	4.0	7	20.34	0.02	0.3	314	8.81	
4.0			20.33	0.02	0.3	310	8.81	
7.0			20.30	0.00	0.4	310	8.78	
10.0			20.25	0.02	0.5	309	8.58	
11.0			20.26	0.00	0.3	308	8.56	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					
4.0					
7.0					
10.0					
11.0					

C-REF-NO 111
CONS. NO 003
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 28
TIME 2004

NO. DEPTHS 04
SOUNDING 0101
BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	3.0	9	20.23	0.01	0.2	307	9.09	0.039
4.0			20.22	0.01	0.3	311	9.12	
7.0			20.21	0.01	0.5	307	9.09	
8.0			20.16	0.02	0.3	315	8.99	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.003	0.008	0.004	0.490	
4.0					
7.0					
8.0	0.000	0.000	0.003	0.255	

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	183.0	93.9	27.5	40.000	8.700	1.280	12.100
4.0							
7.0							
8.0	197.0	94.8	30.2	40.000	8.700	1.300	12.100

DEPTH	PH 25	F	CL	HARD
1.0	8.200	0.118	26.1	135.7
4.0				
7.0				
8.0	8.200	0.108	26.3	135.7

C-REF-NO 111
CONS. NO 004
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 28
TIME 2138

NO. DEPTHS 06
SOUNDING 0171
BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	4.0	7	20.35	0.03	0.2	311	8.82	
4.0			20.34	0.01	0.2	309	8.84	
7.0			20.35	0.01	0.2	308	8.84	
10.0			20.34	0.00	0.2	308	8.79	
13.0			20.30	0.00	0.2	311	8.52	
15.0			20.28	0.00	0.3	310	8.64	

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

C-REF-NO 111
CONS. NO 005
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 28
TIME 2313

NO. DEPTHS 07
SOUNDING 0189
BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	C CLAS	TURB	CON 25	O2 W	T PO4
1.0			20.30	0.01	0.3	310	8.52	0.019
4.0			20.28	0.01	0.4	316	8.62	
7.0			20.29	0.01	0.2	312	8.62	
10.0			20.30	0.00	0.2	311	8.56	
13.0			20.30	0.01	0.2	311	8.56	
16.0			20.26	0.01	0.2	318	8.52	
17.0			20.25	0.00	0.3	320	8.47	0.019

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.001	0.031	0.005	0.338	
4.0					
7.0					
10.0					
13.0					
16.0					
17.0	0.002	0.014	0.005	0.275	

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	192.0	93.8	28.7	40.000	8.700	1.280	11.900
4.0							
7.0							
10.0							
13.0							
16.0							
17.0	188.0	94.9	27.1	40.000	8.700	1.270	11.900

DEPTH	PH 25	F	CL	HARD
1.0	7.700	0.107	25.8	135.7
4.0				
7.0				
10.0				
13.0				
16.0				
17.0	8.200	0.111	26.1	135.7

C-REF-NO 111
CONS. NO 006
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 29
TIME 0025

NO. DEPTHS 09
SOUNDING 0280
BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			20.14	0.04	0.1	302	8.55	0.010
4.0			20.15	0.03	0.1	318	8.50	
7.0			20.16	0.01	0.1	320	8.58	
10.0			20.16	0.01	0.1	321	8.55	
13.0			20.00	0.00	0.1	323	8.58	
16.0			20.10	0.02	0.1	320	8.55	
19.0			20.17	0.01	0.1	321	8.70	
22.0			20.17	0.01	0.1	321	7.88	
25.0					0.1	320	8.47	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.000	0.030	0.006	0.225	
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
22.0					
25.0					

C-REF-NO 111
CONS. NO 007
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 29
TIME 0128

NO. DEPTHS 08
SOUNDING 0229
BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.72	0.01	0.1	311	8.86	0.016
4.0			19.71	0.02	0.1	319	8.90	
7.0			19.73	0.00	0.1	317	8.86	
10.0			19.74	0.01	0.1	321	8.92	0.031
13.0			19.74	0.01	0.1	321	8.93	
16.0			19.75	0.01	0.1	317	8.78	
19.0			19.76	0.00	0.1	319	8.78	
21.0			19.76	0.01	0.2	319	8.75	0.022

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.000	0.007	0.005	0.255	4.0
4.0					
7.0					
10.0	0.000	0.004	0.005	0.225	
13.0					
16.0					
19.0					
21.0	0.000	0.003	0.004	0.245	

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	188.0	94.6	28.3	40.000	8.700	1.260	11.900
4.0							
7.0							
10.0	198.0	94.8	28.3	40.000	8.900	1.230	11.800
13.0							
16.0							
19.0							
21.0	190.0	94.4	27.9	41.000	8.500	1.230	11.900

DEPTH	PH 25	F	CL	HARD
1.0	8.200	0.108	25.8	135.7
4.0				
7.0				
10.0	8.200	0.107	25.6	136.5
13.0				
16.0				
19.0				
21.0	8.300	0.103	25.7	137.4

C-REF-NO 111
CONS. NO 008
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 29
TIME 0236

NO. DEPTHS 05
SOUNDING 0152
BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.41	0.00	0.1	301	8.86	0.012
4.0			19.39	0.01	0.1	318	8.86	
7.0			19.40	0.02	0.1	320	8.87	
10.0			19.41	0.00	0.1	320	8.81	
13.0			19.40	0.00	0.1	321	8.78	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.000	0.027	0.006	0.225	4.2
4.0					
7.0					
10.0					
13.0					

C-REF-NO 111
CONS. NO 009
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 29
TIME 0347

NO. DEPTHS 05
SOUNDING 0143
BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			18.99	0.01	0.3	325	8.44	
4.0			18.99	0.00	0.4	326	8.47	
7.0			19.00	0.02	0.5	326	8.44	
10.0			19.01	0.00	0.5	325	8.29	
13.0			17.98	0.01	0.5	327	7.16	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					2.6
4.0					
7.0					
10.0					
13.0					

C-REF-NO 111
CONS. NO 010
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 29
TIME 0452

NO. DEPTHS 11
SOUNDING 0335
BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	D2 W	T PO4
1.0			19.62	0.01	0.2	306	8.62	
4.0			19.63	0.03	0.2	321	8.87	
7.0			19.63	0.01	0.2	321	8.72	
10.0			19.65	0.02	0.2	321	8.72	
13.0			19.64	0.01	0.2	321	8.65	
16.0			19.66	0.01	0.2	323	8.62	
19.0			19.66	0.00	0.2	322	8.70	
22.0			19.65	0.02	0.2	322	8.70	
25.0			16.38	0.00	0.2	323	6.70	
28.0			9.87	0.03	0.3	330	5.42	
31.0			8.46	0.05	1.7	331	4.65	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					2.8
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
22.0					
25.0					
28.0					
31.0					

C-REF-NO 111	LAT 42-30-06N	YEAR 1968	NO. DEPTHS 13
CONS. NO 011	LON 079-36-00W	MONTH 09	SOUNDING 0451
COUNTRY 18		DAY 29	BT SLIDE NO 011
INSTITUTE 22		TIME 0627	

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			20.02	0.01	0.1	315	8.62	
4.0			20.00	0.01	0.1	310	8.62	
7.0			20.01	0.01	0.1	312	8.65	
10.0			20.01	0.02	0.1	312	8.64	
13.0			20.02	0.00	0.1	316	8.58	
16.0			20.02	0.00	0.1	313	8.65	
19.0			20.02	0.01	0.1	312	8.65	
22.0			20.02	0.01	0.1	311	8.62	
25.0			20.01	0.00	0.1	320	8.62	
28.0			13.13	0.00	0.2	322	5.21	
31.0			7.46	0.04	0.2	323	7.19	
37.0			6.34	0.00	0.4	325	6.82	
43.0			6.24	0.05	0.5	324	6.62	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					2.4
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
22.0					
25.0					
28.0					
31.0					
37.0					
43.0					

C-REF-NO 111
CONS. NO 012
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 29
TIME 0737

NO. DEPTHS 07
SOUNDING 0213
BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			20.18	0.01	0.2	315	8.64	
4.0			20.19	0.01	0.3	313	8.62	
7.0			20.20	0.01	0.3	315	8.62	
10.0			20.20	0.02	0.3	314	8.62	
13.0			20.20	0.00	0.2	315	8.62	
16.0			20.21	0.00	0.3	315	8.61	
19.0			20.20	0.02	0.3	328	8.61	

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

C-REF-NO 111
CONS. NO 013
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 29
TIME 0858

NO. DEPTHS 07
SOUNDING 0192
BT SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			20.06	0.01	0.2	316	8.62	0.022
4.0			20.07	0.01	0.2	316	8.62	
7.0			20.09	0.01	0.3	315	8.61	
10.0			20.07	0.03	0.3	314	8.58	
13.0			20.08	0.00	0.4	314	8.61	
16.0			20.07	0.01	0.4	315	8.59	
17.0			20.08	0.01	0.3	312	8.61	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.004	0.018	0.005	0.300	
4.0					
7.0					
10.0					
13.0					
16.0					
17.0					

C-REF-NO 111
CONS. NO 014
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 29
TIME 1009

NO. DEPTHS 14
SOUNDING 0475
BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			20.02	0.01	0.1	314	8.65	0.024
4.0			20.03	0.01	0.1	316	8.64	
7.0			20.05	0.02	0.1	314	8.65	
10.0			20.05	0.00	0.1	316	8.65	
13.0			20.04	0.00	0.1	315	8.65	
16.0			20.05	0.00	0.1	314	8.65	
19.0			20.05	0.00	0.1	315	8.65	
22.0			20.04	0.00	0.1	314	8.64	
25.0			14.86	0.05	0.1	321	6.38	
28.0			8.44	0.06	0.2	332	6.31	
31.0			7.46	0.04	0.4	329	6.31	
37.0			6.88	0.01	0.7	329	6.27	
43.0			6.50	0.06	1.0	326	6.14	
45.0			6.38	0.01	1.0	329	6.18	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.000	0.002	0.005	0.200	2.0
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
22.0					
25.0					
28.0					
31.0					
37.0					
43.0					
45.0					

C-REF-NO 111
CONS. NO 015
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 29
TIME 1129

NO. DEPTHS 02
SOUNDING 0381
BT SLIDE NO 015

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
10.0			19.97	0.01				
25.0			8.95	0.01				

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
10.0					
25.0					

C-REF-NO 111
CONS. NO 016
COUNTRY 18
INSTITUTE 22

LAT 42-25-36N
LON 079-33-18W

YEAR 1968
MONTH 09
DAY 29
TIME 1201

NO. DEPTHS 02
SOUNDING 0271
BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
10.0			20.06	0.01				
20.0			20.06	0.01				

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
10.0					
20.0					

C-REF-NO 111
CONS. NO 017
COUNTRY 18
INSTITUTE 22

LAT 42-28-06N
LON 079-34-48W

YEAR 1968
MONTH 09
DAY 29
TIME 1235

NO. DEPTHS 02
SOUNDING 0427
BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
10.0			19.85	0.01				
20.0			19.86	0.00				

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
10.0					
20.0					

C-REF-NO 111
CONS. NO 018
COUNTRY 18
INSTITUTE 22

LAT 42-30-30N
LON 079-37-36W

YEAR 1968
MONTH 09
DAY 29
TIME 1313

NO. DEPTHS 03
SOUNDING 0442
BT SLIDE NO 018

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
10.0			19.93	0.02				
25.0			19.93	0.00				
40.0			6.41	0.01				

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
10.0					
25.0					
40.0					

C-REF-NO 111
CONS. NO 019
COUNTRY 18
INSTITUTE 22

LAT 42-40-12N
LON 079-41-24W

YEAR 1968
MONTH 09
DAY 29
TIME 1429

NO. DEPTHS 02
SOUNDING 0332
BT SLIDE NO 019

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
10.0			19.65	0.01				
20.0			19.66	0.01				

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
10.0					
20.0					

C-REF-NO 111
CONS. NO 020
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 29
TIME 1634

NO. DEPTHS 16
SOUNDING 0625
BT SLIDE NO 020

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	5.0	7	19.92	0.01	0.1	317	8.70	
4.0			20.02	0.00	0.1	319	8.78	
7.0			19.95	0.00	0.1	316	8.78	
10.0			19.93	0.02	0.1	317	8.70	
13.0			19.93	0.00	0.1	308	8.70	
16.0			19.92	0.01	0.1	315	8.65	
19.0			19.92	0.00	0.1	319	8.64	
22.0			19.93	0.00	0.2	319	8.65	
25.0			16.35	0.05	0.1	321	7.47	
28.0			8.15	0.02	0.2	332	7.08	
31.0			7.08	0.00	0.3	335	7.08	
37.0			6.01	0.02	0.5	338	7.27	
43.0			5.70	0.00	0.6	330	6.96	
49.0			5.69	0.02	0.7	333	6.75	
55.0			5.53	0.02	0.9	332	6.59	
60.0			5.52	0.01	0.8	335	6.50	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
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					
49.0					
55.0					
60.0					

C-REF-NO 111
CONS. NO 021
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 29
TIME 1756

NO. DEPTHS 13
SOUNDING 0466
BT SLIDE NO 021

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	3.0	8	19.61	0.00	0.2	330	8.84	0.024
4.0			19.60	0.01	0.2	310	8.87	
7.0			19.60	0.01	0.2	311	8.82	
10.0			19.55	0.01	0.2	310	8.70	
13.0			19.49	0.00	0.3	313	7.84	
16.0			19.44	0.00	0.3	312	8.58	
19.0			19.19	0.01	0.4	316	8.38	
22.0			14.45	0.06	0.4	322	6.65	
25.0			8.57	0.02	0.1	327	7.42	0.023
28.0			7.08	0.02	0.2	329	8.01	
31.0			6.10	0.04	0.2	329	7.84	
37.0			5.80	0.13	0.4	327	7.58	
43.0			5.74	0.01	0.5	319	7.16	0.067

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.003	0.015	0.048	0.050	5.1
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
22.0					
25.0	0.002	0.005	0.032	0.240	
28.0					
31.0					
37.0					
43.0	0.039	0.021	0.264	0.660	

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	181.0	94.7	26.4	40.000	8.700	1.220	11.500
4.0							
7.0							
10.0							
13.0							
16.0							
19.0							
22.0							
25.0	207.0	95.7	28.3	41.000	9.000	1.240	11.900
28.0							
31.0							
37.0							
43.0	193.0	96.5	27.1	38.000	8.500	1.260	11.700

DEPTH	PH 25	F	CL	HARD
1.0	8.200	0.102	24.8	135.7
4.0				
7.0				
10.0				
13.0				
16.0				
19.0				
22.0				
25.0	8.000	0.102	25.3	139.4
28.0				
31.0				
37.0				
43.0	7.500	0.105	25.2	129.9

C-REF-NO 111
CONS. NO 022
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 29
TIME 1929

NO. DEPTHS 05
SOUNDING 0146
BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	3.5	8	19.15	0.00	0.2	312	9.02	
4.0			19.06	0.01	0.2	313	8.99	
7.0			19.04	0.01	0.3	319	9.01	
10.0			18.83	0.02	0.5	315	8.92	
13.0			18.76	0.01	0.5	317	8.64	

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

C-REF-NO 111
CONS. NO 023
COUNTRY 18
INSTITUTE 22

LAT 42-44-48N
LON 080-07-18W

YEAR 1968
MONTH 09
DAY 29
TIME 2011

NO. DEPTHS 01
SOUNDING 0122
BT SLIDE NO 023

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
8.0			18.88	0.00				

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
8.0					

C-REF-NO 111
CONS. NO 024
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 29
TIME 2058

NO. DEPTHS 03
SOUNDING 0079
BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	3.0	9	18.85	0.01	0.5	321	8.86	0.018
4.0			18.85	0.00	0.4	321	8.84	
6.0			18.86	0.02	0.5	321	8.82	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.003	0.002	0.002	0.320	2.0
4.0					
6.0					

C-REF-NO 111
CONS. NO 025
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 29
TIME 2316

NO. DEPTHS 09
SOUNDING 0274
BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.37	0.02	0.4	320	8.70	
4.0			19.37	0.00	0.5	318	8.70	
7.0			19.38	0.01	0.4	318	8.73	
10.0			19.38	0.00	0.4	304	8.69	
13.0			19.26	0.01	0.5	319	8.55	
16.0			18.63	0.01	1.2	322	8.24	
19.0			17.99	0.01	2.2	326	8.32	
22.0			10.80	0.02	0.3	334	5.39	
25.0			9.89	0.05	1.2	337	3.93	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					5.8
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
22.0					
25.0					

C-REF-NO 111
CONS. NO 026
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 30
TIME 0036

NO. DEPTHS 09
SOUNDING 0293
BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.86	0.01	0.1	308	8.73	
4.0			19.86	0.01	0.1	325	8.73	
7.0			19.87	0.00	0.1	324	8.73	
10.0			19.87	0.01	0.1	325	8.73	
13.0			19.86	0.02	0.1	324	8.76	
16.0			19.87	0.03	0.3	326	10.03	
19.0			19.85	0.00	0.1	326	8.78	
22.0					0.1	326	8.70	
25.0			15.52	0.08	0.2	335	5.31	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
22.0					
25.0					

C-REF-NO 111
CONS. NO 027
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 30
TIME 0154

NO. DEPTHS 05
SOUNDING 0152
BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.83	0.00	0.2	327	8.55	
4.0			19.83	0.01	0.3	334	8.55	
7.0			19.85	0.01	0.3	333	8.56	
10.0			19.85	0.00	0.3	333	8.62	
13.0			19.85	0.00	0.3	334	8.55	

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

C-REF-NO 111
CONS. NO 028
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 30
TIME 0322

NO. DEPTHS 03
SOUNDING 0079
BT SLIDE NO 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.70	0.00	0.4	324	8.93	0.040
4.0			19.72	0.01	0.7	337	8.93	
7.0			19.72	0.01	0.7	337	8.93	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.008	0.023	0.003	0.137	3.0
4.0					
7.0					

C-REF-NO 111
CONS. NO 029
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 30
TIME 0446

NO. DEPTHS 06
SOUNDING 0168
BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.50	0.01	0.1	310	8.78	0.018
4.0			19.49	0.00	0.1	316	8.86	
7.0			19.50	0.02	0.2	318	8.86	
10.0			19.50	0.01	0.3	318	8.86	0.015
13.0			19.50	0.00	0.3	321	8.81	
15.0			19.51	0.01	0.3	319	8.86	0.022

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.001	0.007	0.004	0.175	2.4
4.0					
7.0					
10.0	0.001	0.006	0.003	0.125	
13.0					
15.0	0.002	0.008	0.004	0.125	

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	188.0	94.0	27.1	38.000	8.500	1.240	11.800
4.0							
7.0							
10.0	188.0	93.8	25.9	38.000	8.500	1.240	11.900
13.0							
15.0	206.0	94.2	27.9	39.000	8.500	1.240	11.900

DEPTH	PH 25	F	CL	HARD
1.0	8.300	0.107	25.3	129.9
4.0				
7.0				
10.0	8.200	0.104	25.4	129.9
13.0				
15.0	8.200	0.100	25.4	132.4

C-REF-NO 111
CONS. NO 030
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 30
TIME 0608

NO. DEPTHS 05
SOUNDING 0146
BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.34	0.03	0.4	311	8.36	
4.0			19.34	0.01	0.4	312	8.39	
7.0			19.35	0.01	0.5	312	8.41	
10.0			19.36	0.00	0.6	315	8.39	
12.0			19.36	0.01	0.5	312	8.39	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					4.4
4.0					
7.0					
10.0					
12.0					

C-REF-NO 111
CONS. NO 031
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 30
TIME 0650

NO. DEPTHS 04
SOUNDING 0104
BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.13	0.02	3.5	313	8.21	0.052
4.0			19.04	0.02	4.0	312	8.32	
7.0			19.05	0.01	4.0	312	8.32	
8.0			19.06	0.01	4.0	312	8.32	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.005	0.042	0.037	0.337	4.9
4.0					
7.0					
8.0					

C-REF-NO 111
CONS. NO 066
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 02
TIME 0644

NO. DEPTHS 08
SOUNDING 0229
BT SLIDE NO 066

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			20.04	0.01	0.1	313	8.53	
4.0			20.04	0.00	0.1	310	8.55	
7.0			20.05	0.00	0.1	310	8.55	
10.0			20.05	0.00	0.1	310	8.55	
13.0			20.05	0.00	0.1	312	8.53	
16.0			20.02	0.02	0.2	311	8.53	
19.0			20.01	0.01	0.2	312	8.42	
21.0			19.91	0.01	0.2	314	8.24	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					3.9
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
21.0					

C-REF-NO 111
CONS. NO 067
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 02
TIME 0803

NO. DEPTHS 06
SOUNDING 0189
BT SLIDE NO 067

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.83	0.01	0.1	315	8.55	
4.0			19.83	0.01	0.3	313	8.52	
7.0			19.84	0.01	0.1	313	8.52	
10.0			19.84	0.01	0.1	314	8.52	
13.0			19.83	0.01	0.2	313	8.49	
16.0			19.81	0.03	0.2	314	8.39	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					4.5
4.0					
7.0					
10.0					
13.0					
16.0					

C-REF-NO 111	LAT 41-32-42N	YEAR 1968	NO. DEPTHS 06
CONS. NO 068	LON 082-04-24W	MONTH 10	SOUNDING 0189
COUNTRY 18		DAY 02	BT SLIDE NO 068
INSTITUTE 22		TIME 0923	

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURP	CON 25	O2 W	T PO4
1.0			19.77	0.01	0.3	312	8.47	0.014
4.0			19.76	0.01	0.3	312	8.45	
7.0			19.78	0.01	0.3	312	8.44	
10.0			19.77	0.01	0.3	311	8.44	
13.0			19.76	0.01	0.4	311	8.44	
16.0			19.76	0.04	17.0	311	8.19	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.005	0.021	0.004	0.225	4.5
4.0					
7.0					
10.0					
13.0					
16.0					

C-REF-NO 111
CONS. NO 069
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 02
TIME 1046

NO. DEPTHS 07
SOUNDING 0201
BT SLIDE NO 069

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.84	0.01	0.3	309	8.61	0.025
4.0			19.83	0.00	0.2	309	8.61	
7.0			19.83	0.00	0.2	309	8.61	
10.0			19.84	0.01	0.2	306	8.61	0.017
13.0			19.83	0.01	0.2	309	8.59	
16.0			19.82	0.04	0.9	308	8.55	
18.0			19.84	0.00	0.3	308	8.62	0.026

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.000	0.009	0.002	0.200	4.0
4.0					
7.0					
10.0	0.003	0.023	0.002	0.160	
13.0					
16.0					
18.0	0.002	0.007	0.001	0.150	

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	190.0	93.1	26.7	38.000	8.200	1.210	11.600
4.0							
7.0							
10.0	188.0	92.9	25.6	38.000	8.500	1.210	11.500
13.0							
16.0							
18.0	189.0	92.1	26.4	38.000	8.200	1.210	11.600

DEPTH	PH 25	F	CL	HARD
1.0	8.100	0.099	24.3	128.6
4.0				
7.0				
10.0	8.300	0.104	24.3	129.9
13.0				
16.0				
18.0	8.200	0.100	24.3	128.6

C-REF-NO 111
CONS. NO 070
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 02
TIME 1215

NO. DEPTHS 06
SOUNDING 0177
BT SLIDE NO 070

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.0	11	19.69	0.01	0.5	313	8.47	0.020
4.0			19.68	0.01	0.6	314	8.44	
7.0			19.71	0.00	0.7	314	8.42	
10.0			19.72	0.00	0.7	314	8.42	
13.0			19.73	0.01	0.7	313	8.47	
15.0			19.71	0.03	1.0	313	8.47	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.015	0.017	0.015	0.225	7.5
4.0					
7.0					
10.0					
13.0					
15.0					

C-REF-NO 111
CONS. NO 071
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 02
TIME 1337

NO. DEPTHS 05
SOUNDING 0146
BT SLIDE NO 071

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.0	11	19.31	0.03	0.6	309	8.25	0.145
4.0			19.31	0.01	0.7	314	8.32	
7.0			19.31	0.01	0.8	316	8.35	
10.0			19.32	0.01	0.8	314	8.29	
13.0			19.30	0.00	0.8	315	8.21	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.064	0.032	0.010	0.250	6.6
4.0					
7.0					
10.0					
13.0					

C-REF-NO 111
CONS. NO 072
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 02
TIME 1553

NO. DEPTHS 04
SOUNDING 0107
BT SLIDE NO 072

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.0	11	19.42	0.00	2.0	267	8.93	
4.0			19.43	0.01	2.0	267	8.93	
7.0			19.41	0.01	2.0	267	8.98	
8.0			19.41	0.01	2.0	267	8.90	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					6.8
4.0					
7.0					
8.0					

C-REF-NO 111
CONS. NO 073
COUNTRY 18
INSTITUTE 22

LAT 41-38-30N
LON 082-24-12W

YEAR 1968
MONTH 10
DAY 02
TIME 1713

NO. DEPTHS 05
SOUNDING 0146
BT SLIDE NO 073

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.0	11	19.81	0.02	0.9	267	8.50	
4.0			19.80	0.00	1.0	266	8.50	
7.0			19.79	0.01	1.0	266	8.55	
10.0			19.78	0.00	1.0	266	8.47	
12.0			19.77	0.01	1.2	266	8.41	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					7.0
4.0					
7.0					
10.0					
12.0					

C-REF-NO 111
CONS. NO 074
COUNTRY 18
INSTITUTE 22

LAT 41-28-06N
LON 082-18-18W

YEAR 1968
MONTH 10
DAY 02
TIME 1837

NO. DEPTHS 04
SOUNDING 0134
BT SLIDE NO 074

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.2	11	19.87	0.01	0.9	312	8.64	
4.0			19.86	0.01	0.9	312	8.81	
7.0			19.85	0.00	0.9	312	8.62	
10.0			19.83	0.00	0.9	312	8.62	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					4.8
4.0					
7.0					
10.0					

C-REF-NO 111
CONS. NO 075
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 02
TIME 1946

NO. DEPTHS 04
SOUNDING 0110
BT SLIDE NO 075

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.0	11	19.76	0.01	1.5	312	8.55	0.110
4.0			19.77	0.00	1.5	312	8.56	
7.0			19.76	0.00	1.5	312	8.56	
9.0			19.75	0.00	1.5	312	8.55	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.009	0.026	0.011	0.405	5.1
4.0					
7.0					
9.0					

C-REF-NO 111
CONS. NO 076
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 02
TIME 2102

NO. DEPTHS 04
SOUNDING 0122
BT SLIDE NO 076

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	0.9	11	19.81	0.02	1.5	314	8.47	
4.0			19.82	0.01	1.5	316	8.44	
7.0			19.82	0.00	1.5	315	8.45	
10.0			19.81	0.00	1.5	316	8.49	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					5.5
4.0					
7.0					
10.0					

C-REF-NO 111
CONS. NO 077
COUNTRY 18
INSTITUTE 22

LAT 41-44-12N
LON 082-43-18W

YEAR 1968
MONTH 10
DAY 02
TIME 2221

NO. DEPTHS 03
SOUNDING 0088
BT SLIDE NO 077

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	0.9	11	19.61	0.01	2.5	268	8.70	0.103
4.0			19.61	0.00	2.5	267	8.69	
7.0			19.60	0.01	2.5	265	8.69	0.044

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.048	0.032	0.069	0.255	5.2
4.0					
7.0	0.042	0.023	0.069	0.270	

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	196.0	86.5	23.6	32.500	7.800	1.080	9.000
4.0							
7.0	184.0	85.8	22.9	32.500	8.000	1.100	9.000

DEPTH	PH 25	F	CL	HARD
1.0	8.100	0.085	17.2	113.3
4.0				
7.0	7.900	0.108	17.2	114.1

C-REF-NO 111
CONS. NO 078
COUNTRY 18
INSTITUTE 22

LAT 41-41-06N
LON 082-56-00W

YEAR 1968
MONTH 10
DAY 02
TIME 2338

NO. DEPTHS 03
SOUNDING 0091
BT SLIDE NO 078

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.48	0.02	4.5	272	8.35	
4.0			19.50	0.01	4.5	272	8.35	
7.0			19.49	0.01	4.0	272	8.35	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					6.5
4.0					
7.0					

C-REF-NO 111
CONS. NO 079
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 03
TIME 0058

NO. DEPTHS 03
SOUNDING 0073
BT SLIDE NO 079

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.33	0.01	5.0	279	8.39	
4.0			19.35	0.00	5.0	281	8.44	
5.0			19.34	0.01	5.0	278	8.44	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					4.8
4.0					
5.0					

C-REF-NO 111
CONS. NO 080
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 03
TIME 0212

NO. DEPTHS 03
SOUNDING 0073
BT SLIDE NO 080

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			18.89		3.5	274	9.09	0.608
4.0			18.89	0.00	4.0	276	9.09	
5.0			18.89	0.01	4.0	276	9.09	0.326

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.118	0.050	0.158	0.415	8.6
4.0					
5.0	0.110	0.046	0.144	0.405	

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	163.0	85.3	21.7	32.000	8.000	1.120	12.300
4.0							
5.0	164.0	85.7	22.1	32.000	7.800	1.140	12.500

DEPTH	PH 25	F	CL	HARD
1.0	7.900	0.099	20.9	112.9
4.0				
5.0	7.900	0.083	21.3	112.0

C-REF-NO 111
CONS. NO 081
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 03
TIME 0317

NO. DEPTHS 03
SOUNDING 0079
BT SLIDE NO 081

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			18.00		3.0	231	8.72	
4.0			17.99	0.01	3.2	226	8.86	
6.0			17.99	0.00	3.2	226	8.81	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					5.5
4.0					
6.0					

C-REF-NO 111
CONS. NO 082
COUNTRY 18
INSTITUTE 22

LAT 41-49-12N
LON 083-01-06W

YEAR 1968
MONTH 10
DAY 03
TIME 0412

NO. DEPTHS 04
SOUNDING 0104
BT SLIDE NO 082

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.42	0.02	4.3	267	8.41	
4.0			19.43	0.01	4.4	268	8.41	
7.0			19.42	0.00	4.4	268	8.44	
9.0			19.42	0.01	4.3	268	8.41	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					11.7
4.0					
7.0					
9.0					

C-REF-NO 111
CONS. NO 083
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 03
TIME 0515

NO. DEPTHS 04
SOUNDING 0107
BT SLIDE NO 083

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.31	0.03	2.2	283	8.86	0.170
4.0			19.31	0.01	2.2	285	8.90	
7.0			19.31	0.00	2.2	285	8.86	
9.0			19.32	0.01	2.2	285	8.87	0.074

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.024	0.021	0.115	0.925	7.3
4.0					
7.0					
9.0	0.024	0.023	0.109	0.900	

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	166.0	81.6	17.4	33.700	7.500	1.000	12.000
4.0							
7.0							
9.0	168.0	81.5	20.1	33.000	7.500	0.910	12.000

DEPTH	PH 25	F	CL	HARD
1.0	8.100	0.083	27.7	115.1
4.0				
7.0				
9.0	8.100	0.115	27.7	113.3

C-REF-NO 111
CONS. NO 084
COUNTRY 18
INSTITUTE 22

LAT 41-59-12N
LON 082-36-12W

YEAR 1968
MONTH 10
DAY 03
TIME 0631

NO. DEPTHS 04
SOUNDING 0101
BT SLIDE NO 084

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.58	0.00	4.0	278	8.62	
4.0			19.60	0.00	3.5	278	8.62	
7.0			19.60	0.01	3.5	278	8.69	
8.0			19.60	0.01	4.5	278	8.67	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					
4.0					
7.0					
8.0					

CRUISE 68 - 112

C-REF-NO 112
CONS. NO 001
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 05
TIME 0939

NO. DEPTHS 07
SOUNDING 0210
BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			13.29	0.02	0.7	525	9.83	0.042
4.0			13.32	0.03	0.8	521	10.05	
7.0			13.31	0.00	1.0	521	10.06	
10.0			13.30	0.02	0.9	524	9.86	
13.0			13.30	0.01	0.8	522	10.70	
16.0			13.33	0.03	0.8	523	9.86	
19.0			13.32	0.01	0.8	523	9.85	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.019	0.043	0.023	0.180	2.6	000E00	000E00	110E01
4.0								
7.0	0.019	0.019	0.018	0.175		000E00		900E00
10.0								
13.0								
16.0								
19.0	0.019	0.014	0.019	0.170		000E00	000E00	560E01

DEPTH	SPC 35
1.0	230E01
4.0	
7.0	600E00
10.0	
13.0	
16.0	
19.0	480E01

C-REF-NO 112
CONS. NO 002
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 05
TIME 1113

NO. DEPTHS 04
SOUNDING 0113
BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.70	0.02	1.1	530	10.05	
4.0			12.72	0.01	1.2	519	10.00	
7.0			12.71	0.00	1.1	514	10.00	
9.0			12.71	0.00	1.0	529	10.09	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					2.5	120E01	000E00	180E01
4.0								
7.0								
9.0						160E01	100E00	180E01

DEPTH	SPC 35
1.0	140E01
4.0	
7.0	
9.0	250E01

C-REF-NO 112
CONS. NO 003
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 05
TIME 1158

NO. DEPTHS 03
SOUNDING 0098
BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	3.0	7	12.20	0.02	1.6	499	10.48	0.023
4.0			12.23	0.01	1.6	487	10.45	0.025
8.0			12.20	0.01	2.1	493	10.45	0.040

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.006	0.012	0.010	0.145	1.9	400E00	200E00	820E01
4.0	0.006	0.032	0.010	0.117				
8.0	0.006	0.006	0.009	0.112		400E00	100E00	700E01

DEPTH	SPC 35
1.0	330E01
4.0	
8.0	210E01

C-REF-NO 111
CONS. NO 032
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 30
TIME 0902

NO. DEPTHS 05
SOUNDING 0155
BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.51	0.00	0.5	310	8.42	
4.0			19.50	0.02	0.5	309	8.42	
7.0			19.51	0.01	0.6	309	8.45	
10.0			19.52	0.01	0.6	309	8.41	
13.0			19.52	0.01	0.7	311	8.42	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					3.5
4.0					
7.0					
10.0					
13.0					

C-REF-NO 111
CONS. NO 033
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 30
TIME 1026

NO. DEPTHS 07
SOUNDING 0204
BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.61	0.00	0.3	308	8.36	
4.0			19.60	0.01	0.3	309	8.38	
7.0			19.61	0.01	0.3	308	8.38	
10.0			19.63	0.01	0.3	308	8.35	
13.0			19.62	0.00	0.3	309	8.35	
16.0			19.61	0.04	0.3	308	8.35	
18.0			19.60	0.02	0.3	306	8.35	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					4.2
4.0					
7.0					
10.0					
13.0					
16.0					
18.0					

C-REF-NO 111
CONS. NO 034
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 30
TIME 1155

NO. DEPTHS 07
SOUNDING 0229
BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.43	0.01	0.1	316	8.44	
4.0			19.43	0.01	0.2	321	8.41	
7.0			19.44	0.02	0.2	321	8.39	
10.0			19.44	0.00	0.2	321	8.36	
13.0			19.45	0.01	0.2	321	8.39	
16.0			19.43	0.03	0.2	321	8.39	
19.0			19.45	0.02	0.2	321	8.39	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					3.8
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					

C-REF-NO 111
CONS. NO 035
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 30
TIME 1315

NO. DEPTHS 04
SOUNDING 0119
BT SLIDE NO 035

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	3.0	10	19.74	0.01	0.5	335	8.70	
4.0			19.74	0.01	0.5	336	8.75	
7.0			19.74	0.01	0.6	336	8.75	
9.0			19.74	0.01	0.6	335	8.75	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					5.5
4.0					
7.0					
9.0					

C-REF-NO 111
CONS. NO 036
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 30
TIME 1454

NO. DEPTHS 05
SOUNDING 0152
BT SLIDE NO 036

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.0	11	19.92	0.00	0.2	336	8.47	0.050
4.0			19.91	0.00	0.2	329	8.59	
7.0			19.92	0.02	0.2	327	8.55	
10.0			19.91	0.01	0.2	328	8.52	
12.0			19.90	0.00	0.2	329	8.47	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.007	0.048	0.009	0.166	5.7
4.0					
7.0					
10.0					
12.0					

C-REF-NO 111
CONS. NO 037
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 30
TIME 1627

NO. DEPTHS 07
SOUNDING 0226
BT SLIDE NO 037

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.0	10	19.40	0.02	0.1	319	8.55	0.055
4.0			19.40	0.01	0.1	320	8.59	
7.0			19.40	0.02	0.1	334	8.70	
10.0			19.39	0.02	0.3	317	8.75	
13.0			19.38	0.00	0.1	314	8.70	
16.0			19.34	0.04	0.2	316	8.62	
19.0			19.35	0.02	0.2	313	8.62	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.001	0.011	0.009	0.215	3.0
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					

C-REF-NO 111	LAT 42-19-42N	YEAR 1968	NO. DEPTHS 06
CONS. NO 038	LON 080-52-42W	MONTH 09	SOUNDING 0207
COUNTRY 18		DAY 30	BT SLIDE NO 038
INSTITUTE 22		TIME 1802	

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	3.0	8	19.76	0.01	0.1	307	8.53	
4.0			19.74	0.00	0.1	311	8.55	
7.0			19.75	0.00	0.2	309	8.52	
10.0			19.74	0.01	0.1	307	8.50	
13.0			19.75	0.00	0.2	310	8.47	
16.0			19.73	0.02	0.1	309	8.49	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					3.4
4.0					
7.0					
10.0					
13.0					
16.0					

C-REF-NO 111
CONS. NO 039
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 30
TIME 1919

NO. DEPTHS 06
SOUNDING 0192
BT SLIDE NO 039

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.5	11	19.44	0.02	0.2	306	8.65	0.050
4.0			19.42	0.01	0.3	304	8.65	
7.0			19.43	0.01	0.3	305	8.62	
10.0			19.42	0.01	0.4	306	8.62	0.075
13.0			19.42	0.01	0.3	306	8.62	
15.0			19.42	0.03	0.3	306	8.62	0.074

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.007	0.021	0.005	0.120	6.4
4.0					
7.0					
10.0	0.007	0.011	0.004	0.085	
13.0					
15.0	0.007	0.011	0.004	0.087	

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	207.0	93.1	26.7	38.000	8.500	1.220	11.400
4.0							
7.0							
10.0	186.0	93.6	27.1	37.000	8.500	1.270	11.400
13.0							
15.0	203.0	93.3	26.7	38.000	8.700	1.230	11.400

DEPTH	PH 25	F	CL	HARD
1.0	8.100	0.104	24.4	129.9
4.0				
7.0				
10.0	8.000	0.106	24.2	127.4
13.0				
15.0	8.100	0.116	24.1	130.7

C-REF-NO 111
CONS. NO 040
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 30
TIME 2027

NO. DEPTHS 04
SOUNDING 0128
BT SLIDE NO 040

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.0	11	19.19	0.02	1.5	307	8.93	0.025
4.0			19.18	0.01	1.5	308	8.92	
7.0			19.19	0.01	1.5	309	8.93	
9.0			19.19	0.00	1.5	310	8.93	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.001	0.021	0.022	0.118	7.3
4.0					
7.0					
9.0					

C-REF-NO 111
CONS. NO 041
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 30
TIME 2200

NO. DEPTHS 04
SOUNDING 0119
BT SLIDE NO 041

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.5	11	19.08	0.01	0.7	306	8.72	
4.0			19.07	0.01	0.7	304	8.70	
7.0			19.08	0.01	0.8	305	8.70	
9.0			19.08	0.00	0.9	305	8.70	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					8.3
4.0					
7.0					
9.0					

C-REF-NO 111
CONS. NO 042
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 09
DAY 30
TIME 2328

NO. DEPTHS 07
SOUNDING 0210
BT SLIDE NO 042

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.79	0.01	0.1	305	8.78	
4.0			19.78	0.01	0.3	312	8.78	
7.0			19.77	0.03	0.3	313	8.86	
10.0			19.78	0.01	0.3	312	8.78	
13.0			19.77	0.00	0.4	317	8.78	
16.0			19.76	0.03	0.3	313	8.78	
18.0			19.78	0.02	0.3	317	8.78	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					6.9
4.0					
7.0					
10.0					
13.0					
16.0					
18.0					

C-REF-NO 111
CONS. NO 043
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 0110

NO. DEPTHS 07
SOUNDING 0219
BT SLIDE NO 043

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.71	0.02	0.1	315	8.47	
4.0			19.72	0.01	0.1	319	8.39	
7.0			19.73	0.00	0.1	319	8.44	
10.0			19.72	0.02	0.1	319	8.39	
13.0			19.72	0.01	0.1	318	8.44	
16.0			19.71	0.02	0.3	317	8.32	
19.0			19.73	0.01	0.3	319	8.55	

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

C-REF-NO 111
CONS. NO 044
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 0236

NO. DEPTHS 07
SOUNDING 0223
BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.46	0.02	0.1	318	8.59	
4.0			19.46	0.01	0.2	318	8.47	
7.0			19.48	0.02	0.2	319	8.50	
10.0			19.47	0.01	0.2	318	8.55	
13.0			19.47	0.01	0.2	318	8.50	
16.0			19.46	0.02	0.2	318	8.47	
19.0			19.46	0.00	0.2	318	8.47	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					2.1
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					

C-REF-NO 111
CONS. NO 045
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 0357

NO. DEPTHS 05
SOUNDING 0152
BT SLIDE NO 045

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			20.04	0.03	0.6	349	8.55	
4.0			20.05	0.00	0.7	350	8.47	
7.0			20.06	0.00	0.7	349	8.47	
10.0			20.06	0.00	0.7	349	8.50	
13.0			20.06	0.00	0.8	349	8.50	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					4.4
4.0					
7.0					
10.0					
13.0					

C-REF-NO 111
CONS. NO 046
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 0520

NO. DEPTHS 05
SOUNDING 0146
BT SLIDE NO 046

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.93	0.00	0.4	330	8.87	
4.0			19.94	0.01	0.5	336	8.93	
7.0			19.95	0.00	0.6	339	8.93	
10.0			19.96	0.01	0.7	339	8.93	
12.0			19.95	0.00	0.7	339	8.89	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					5.1
4.0					
7.0					
10.0					
12.0					

C-REF-NO 111
CONS. NO 047
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 0643

NO. DEPTHS 08
SOUNDING 0232
BT SLIDE NO 047

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.58	0.01	0.3	311	8.53	
4.0			19.59	0.01	0.4	311	8.55	
7.0			19.59	0.01	0.4	311	8.55	
10.0			19.59	0.00	0.4	308	8.55	
13.0			19.59	0.00	0.5	309	8.55	
16.0			19.58	0.02	0.5	309	8.55	
19.0			19.59	0.01	0.4	309	8.55	
21.0			19.59	0.00	0.5	310	8.55	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					5.5
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
21.0					

C-REF-NO 111
CONS. NO 048
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 0812

NO. DEPTHS 08
SOUNDING 0232
BT SLIDE NO 048

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.47	0.01	0.4	306	8.45	
4.0			19.47	0.00	0.3	307	8.44	
7.0			19.49	0.00	0.4	307	8.45	
10.0			19.49	0.01	0.4	307	8.45	
13.0			19.48	0.00	0.4	307	8.45	
16.0			19.46	0.03	0.5	307	8.44	
19.0			19.48	0.01	0.5	307	8.44	
21.0			19.46	0.00	0.5	308	8.42	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					9.0
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
21.0					

C-REF-NO 111
CONS. NO 049
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 0935

NO. DEPTHS 07
SOUNDING 0219
BT SLIDE NO 049

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.31	0.02	0.6	307	8.47	
4.0			19.31	0.01	0.6	304	8.45	
7.0			19.32	0.02	0.6	307	8.45	
10.0			19.32	0.00	0.6	308	8.45	
13.0			19.32	0.00	0.6	307	8.44	
16.0			19.30	0.03	0.7	301	8.44	
19.0			19.31	0.02	0.7	299	8.44	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					6.6
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					

C-REF-NO 111
CONS. NO 050
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 1053

NO. DEPTHS 04
SOUNDING 0119
BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			18.99	0.01	0.4	307	7.77	
4.0			18.98	0.01	0.4	306	7.85	
7.0			19.00	0.00	0.5	308	7.85	
10.0			19.00	0.01	0.6	305	7.82	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					5.8
4.0					
7.0					
10.0					

C-REF-NO 111
CONS. NO 051
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 1226

NO. DEPTHS 05
SOUNDING 0140
BT SLIDE NO 051

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.0	11	19.40	0.02	0.7	301	8.50	0.073
4.0			19.40	0.01	0.9	306	8.47	
7.0			19.40	0.00	0.9	301	8.47	
10.0			19.40	0.00	0.9	307	8.47	
12.0			19.40	0.00	0.9	307	8.55	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.033	0.019	0.011	0.270	9.0
4.0					
7.0					
10.0					
12.0					

C-REF-NO 111
CONS. NO 052
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 1329

NO. DEPTHS 07
SOUNDING 0201
BT SLIDE NO 052

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.61	0.04	0.3	301	8.47	
4.0			19.61	0.01	0.4	309	8.50	
7.0			19.62	0.00	0.4	309	8.55	
10.0			19.61	0.02	0.5	309	8.55	
13.0			19.62	0.00	0.5	309	8.55	
16.0			19.60	0.03	0.5	309	8.47	
18.0			19.62	0.01	0.5	308	8.55	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					8.4
4.0					
7.0					
10.0					
13.0					
16.0					
18.0					

C-REF-NO 111
CONS. NO 053
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 1454

NO. DEPTHS 07
SOUNDING 0232
BT SLIDE NO 053

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.0	10	19.71	0.03	0.2	324	8.55	0.069
4.0			19.70	0.00	0.2	305	8.47	
7.0			19.71	0.01	0.4	316	8.47	
10.0			19.71	0.01	0.4	314	8.47	0.061
13.0			19.72	0.00	0.3	315	8.50	
16.0			19.69	0.03	0.5	315	8.47	
19.0			19.71	0.01	0.5	314	8.44	0.060

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.029	0.027	0.004	0.187	8.2
4.0					
7.0					
10.0	0.033	0.012	0.002	0.155	
13.0					
16.0					
19.0	0.028	0.021	0.002	0.150	

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	235.0	93.3	26.4	38.000	8.200	1.240	11.500
4.0							
7.0							
10.0	178.0	93.1	24.0	38.000	8.200	1.200	11.500
13.0							
16.0							
19.0	185.0	93.9	25.2	38.000	8.200	1.220	11.700

DEPTH	PH 25	F	CL	HARD
1.0	8.200	0.097	24.2	128.6
4.0				
7.0				
10.0	8.200	0.098	24.8	128.6
13.0				
16.0				
19.0	8.200	0.099	24.3	128.6

C-REF-NO 111
CONS. NO 054
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 1623

NO. DEPTHS 07
SOUNDING 0232
BT SLIDE NO 054

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.65	0.01	0.5	313	8.79	0.060
4.0			19.64	0.01	0.5	312	8.78	
7.0			19.64	0.03	0.4	312	8.78	
10.0			19.63	0.02	0.5	312	8.78	
13.0			19.62	0.00	0.6	311	8.72	
16.0			19.60	0.03	0.5	309	8.78	
19.0			19.58	0.01	0.5	309	8.62	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.016	0.019	0.003	0.120	8.6
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					

C-REF-NO 111
CONS. NO 055
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 1745

NO. DEPTHS 05
SOUNDING 0143
BT SLIDE NO 055

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.0	11	20.07	0.01	0.4	319	8.82	0.054
4.0			20.07	0.01	0.4	317	8.86	
7.0			20.00	0.00	0.5	317	8.82	
10.0			19.91	0.00	0.4	318	8.75	0.035
12.0			19.90	0.01	0.5	318	8.70	0.045

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.005	0.011	0.005	0.150	6.6
4.0					
7.0					
10.0	0.002	0.005	0.006	0.135	
12.0	0.005	0.005	0.003	0.150	

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	187.0	92.6	27.9	39.000	8.200	1.260	12.600
4.0							
7.0							
10.0	199.0	93.2	27.5	39.000	8.500	1.250	12.500
12.0	192.0	92.7	30.2	39.000	8.500	1.280	12.600

DEPTH	PH 25	F	CL	HARD
1.0	8.300	0.111	27.5	131.1
4.0				
7.0				
10.0	8.100	0.110	27.2	132.4
12.0	8.200	0.105	27.3	132.4

C-REF-NO 111
CONS. NO 056
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 1909

NO. DEPTHS 07
SOUNDING 0198
BT SLIDE NO 056

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	3.0	11	20.31	0.02	0.2	306	9.12	
4.0			20.20	0.01	0.2	308	9.12	
7.0			20.00	0.01	0.2	308	8.92	
10.0			19.94	0.00	0.3	310	8.78	
13.0			19.92	0.02	0.3	308	8.78	
16.0			19.90	0.04	0.3	314	8.67	
18.0			19.91	0.02	0.3	311	8.61	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					5.3
4.0					
7.0					
10.0					
13.0					
16.0					
18.0					

C-REF-NO 111
CONS. NO 057
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 2002

NO. DEPTHS 04
SOUNDING 0122
BT SLIDE NO 057

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.5	11	20.03	0.02	0.6	318	9.32	0.030
4.0			20.07	0.01	0.3	316	9.35	
7.0			19.97	0.00	0.3	318	9.27	
10.0			19.60	0.00	0.4	327	8.65	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.018	0.018	0.020	0.120	4.0
4.0					
7.0					
10.0					

C-REF-NO 111
CONS. NO 058
COUNTRY 18
INSTITUTE 22

LAT 41-33-06N
LON 081-39-30W

YEAR 1968
MONTH 10
DAY 01
TIME 2038

NO. DEPTHS 04
SOUNDING 0122
BT SLIDE NO 058

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.5	11	19.97	0.01	0.3	314	9.07	
4.0			19.97	0.00	0.3	314	9.09	
7.0			19.95	0.01	0.4	314	9.07	
10.0			19.78	0.00	0.4	313	8.89	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					5.5
4.0					
7.0					
10.0					

C-REF-NO 111
CONS. NO 059
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 2110

NO. DEPTHS 04
SOUNDING 0122
BT SLIDE NO 059

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.1	11	19.82	0.01	0.3	316	9.01	
4.0			19.82	0.00	0.3	313	9.01	
7.0			19.82	0.00	0.3	308	8.99	
10.0			19.75	0.00	0.4	315	8.82	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					4.9
4.0					
7.0					
10.0					

C-REF-NO 111
CONS. NO 060
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 2140

NO. DEPTHS 05
SOUNDING 0149
BT SLIDE NO 060

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.5	11	20.00	0.01	0.3	310	9.17	0.053
4.0			19.99	0.01	0.3	310	9.17	
7.0			19.99	0.01	0.4	308	9.15	
10.0			19.86	0.00	0.3	311	9.01	
13.0			19.64	0.00	0.4	313	8.62	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0	0.005	0.006	0.004	0.145	5.7
4.0					
7.0					
10.0					
13.0					

C-REF-NO 111
CONS. NO 061
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 01
TIME 2334

NO. DEPTHS 08
SOUNDING 0247
BT SLIDE NO 061

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			20.22	0.01	0.1	302	9.01	
4.0			20.21	0.01	0.2	309	9.01	
7.0			20.20	0.01	0.2	310	8.99	
10.0			19.94	0.01	0.2	310	8.62	
13.0			19.90	0.00	0.2	311	8.55	
16.0			19.88	0.03	0.3	310	8.55	
19.0			19.87	0.00	0.3	310	8.47	
22.0			15.57	0.00	0.3	310	8.47	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					5.5
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
22.0					

C-REF-NO 111
CONS. NO 062
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 02
TIME 0059

NO. DEPTHS 08
SOUNDING 0238
BT SLIDE NO 062

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.86	0.00	0.5	311	8.87	
4.0			19.85	0.00	0.5	310	8.86	
7.0			19.86	0.01	0.5	307	8.86	
10.0			19.85	0.01	0.5	307	8.86	
13.0			19.75	0.01	0.5	307	8.65	
16.0			19.66	0.03	0.5	309	8.47	
19.0			19.66	0.00	0.5	310	8.47	
22.0			19.61	0.01	0.5	310	8.44	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					6.0
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
22.0					

C-REF-NO 111
CONS. NO 063
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 02
TIME 0220

NO. DEPTHS 05
SOUNDING 0146
BT SLIDE NO 063

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.47	0.01	0.4	300	8.93	
4.0			19.47	0.01	0.6	300	9.09	
7.0			19.49	0.00	0.6	300	8.93	
10.0			19.47	0.01	0.6	300	8.98	
13.0			19.23	0.00	0.7	298	8.86	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					6.8
4.0					
7.0					
10.0					
13.0					

C-REF-NO 111
CONS. NO 064
COUNTRY 18
INSTITUTE 22

LAT 42-08-06N
LON 082-08-24W

YEAR 1968
MONTH 10
DAY 02
TIME 0344

NO. DEPTHS 07
SOUNDING 0201
BT SLIDE NO 064

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.49	0.02	0.4	292	8.47	
4.0			19.49	0.00	0.4	295	8.44	
7.0			19.50	0.00	0.5	296	8.44	
10.0			19.49	0.00	0.5	297	8.47	
13.0			19.48	0.01	0.6	297	8.39	
16.0			19.40	0.02	0.6	296	8.25	
18.0			19.35	0.01	0.6	296	7.93	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					6.3
4.0					
7.0					
10.0					
13.0					
16.0					
18.0					

C-REF-NO 111
CONS. NO 065
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 10
DAY 02
TIME 0511

NO. DEPTHS 08
SOUNDING 0232
BT SLIDE NO 065

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			19.94	0.00	0.3	311	8.70	
4.0			19.94	0.01	0.4	311	8.70	
7.0			19.96	0.01	0.4	311	8.70	
10.0			19.96	0.00	0.4	309	8.75	
13.0			19.93	0.00	0.4	311	8.70	
16.0			19.91	0.03	0.4	311	8.62	
19.0			19.86	0.01	0.4	312	8.47	
21.0			19.80	0.00	0.5	312	8.18	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
1.0					4.6
4.0					
7.0					
10.0					
13.0					
16.0					
19.0					
21.0					

C-REF-NO 112
CONS. NO 004
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 05
TIME 1332

NO. DEPTHS 06
SOUNDING 0171
BT SLIDE NO 0C4

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	4.0	9	13.14	0.02	0.5	508	10.06	
4.0			13.17	0.03	0.5	499	9.91	
7.0			13.16	0.01	0.5	509	9.94	
10.0			13.15	0.01	0.7	508	9.91	
13.0			13.15	0.00	0.6	502	9.89	
15.0			13.16	0.01	0.6	505	9.91	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.9	000E00	000E00	40CEC1
4.0								
7.0						100E00		12CEC2
10.0								
13.0								
15.0						000E00	000E00	75CEC1

DEPTH	SPC 35
1.0	430E01
4.0	
7.0	74CE01
10.0	
13.0	
15.0	240E01

C-REF-NO 112
CONS. NO 005
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 05
TIME 1503

NO. DEPTHS 07
SOUNDING 0192
BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	3.5	9	13.36	0.03	0.3	507	9.78	0.036
4.0			13.38	0.02	0.3	506	9.78	
7.0			13.36	0.01	0.3	504	9.78	
10.0			13.35	0.02	0.3	498	9.78	0.047
13.0			13.36	0.01	0.3	506	9.75	
16.0			13.38	0.02	0.3	502	9.75	
18.0			13.37	0.01	0.4	501	9.75	0.036

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.008	0.045	0.020	0.200	1.9	000E00	000E00	150E01
4.0								
7.0						000E00		280E01
10.0	0.010	0.022	0.026	0.170				
13.0								
16.0								
18.0	0.010	0.023	0.024	0.160		100E00	000E00	330E01

DEPTH	SPC 35
1.0	150E01
4.0	
7.0	330E01
10.0	
13.0	
16.0	
18.0	320E01

C-REF-NO 112
CONS. NO 006
COUNTRY 18
INSTITUTE 22

LAT 42-28-06N
LON 079-34-48W

YEAR 1968
MONTH 11
DAY 05
TIME 1643

NO. DEPTHS 02
SOUNDING 0399
BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
10.0			13.68	0.03				
20.0			13.65	0.03				

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
10.0								
20.0								

DEPTH	SPC 35
10.0	
20.0	

C-REF-NO 112
CONS. NO 007
COUNTRY 18
INSTITUTE 22

LAT 42-30-30N
LON 079-37-36W

YEAR 1968
MONTH 11
DAY 05
TIME 1911

NO. DEPTHS 03
SOUNDING 0436
BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
10.0			13.81	0.01				
25.0			13.20	0.02				
40.0			11.51	0.01				

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
10.0								
25.0								
40.0								

DEPTH	SPC 35
10.0	
25.0	
40.0	

C-REF-NO 112	LAT 42-26-06N	YEAR 1968	NO. DEPTHS 02
CONS. NO 008	LON 079-36-30W	MONTH 11	SOUNDING 0393
COUNTRY 18		DAY 05	BT SLIDE NO 008
INSTITUTE 22		TIME 1955	

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
10.0			13.56	0.01				
25.0			13.52	0.02				

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
10.0								
25.0								

DEPTH	SPC 35
10.0	
25.0	

C-REF-NO 112	LAT 42-25-36N	YEAR 1968	NO. DEPTHS 02
CONS. NO 009	LON 079-33-18W	MONTH 11	SOUNDING 0283
COUNTRY 18		DAY 05	BT SLIDE NO 009
INSTITUTE 22		TIME 2030	

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
10.0			13.13	0.00				
20.0			13.12	0.03				

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
10.0								
20.0								

DEPTH	SPC 35
10.0	
20.0	

C-REF-NO 112
CONS. NO 010
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 05
TIME 2201

NO. DEPTHS 07
SOUNDING 0192
BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	3.0	8	13.33	0.00	0.8	495	9.75	
4.0			13.34	0.01	0.9	493	9.78	
7.0			13.32	0.01	0.8	490	9.80	
10.0			13.32	0.01	0.9	493	9.81	
13.0			13.33	0.01	0.8	490	9.83	
16.0			13.34	0.02	0.8	490	9.80	
17.0			13.33	0.00	0.8	490	9.81	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0								
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 112
CONS. NO 011
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 05
TIME 2355

NO. DEPTHS 10
SOUNDING 0283
BT SLIDE NO 011

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			13.32	0.00	0.7	508	9.52	0.032
4.0			13.33	0.03	0.8	504	9.97	
7.0			13.31	0.01	0.9	503	9.68	
10.0			13.32	0.02	0.8	507	9.69	
13.0			13.33	0.02	0.8	504	9.68	
16.0			13.35	0.02	0.8	506	9.71	
19.0			13.38	0.00	1.0	507	9.68	
22.0			13.29		1.1	507	9.66	
25.0			13.29	0.00	0.8	510	9.46	
27.0			13.28	0.02	1.0	511	9.63	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.018	0.066	0.026	0.295	1.3	000E00		150E01
4.0								
7.0								
10.0	0.019	0.058	0.021	0.200				
13.0								
16.0								
19.0								
22.0								
25.0								
27.0	0.021	0.037	0.020	0.295		000E00		600E00

DEPTH	SPC 35
1.0	600E00
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
22.0	
25.0	
27.0	400E00

C-REF-NO 112
CONS. NO 012
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 06
TIME 0111

NO. DEPTHS 07
SOUNDING 0213
BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.75	0.01	0.2	495	10.28	0.025
4.0			12.78	0.03	0.3	498	10.23	
7.0			12.74	0.02	0.3	498	10.29	
10.0			12.75	0.01	0.3	498	10.26	0.021
13.0			12.75	0.00	0.2	496	10.26	
16.0			12.74	0.02	0.3	499	10.22	
19.0			12.63	0.01	0.4	498	10.12	0.015

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.004	0.042	0.034	0.180	2.6	000E00		300E00
4.0								
7.0								
10.0	0.001	0.013	0.023	0.200				
13.0								
16.0								
19.0	0.003	0.015	0.033	0.275		000E00		500E00

DEPTH	SPC 35
1.0	400E00
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	500E00

C-REF-NO 112
CONS. NO 013
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 06
TIME 0227

NO. DEPTHS 05
SOUNDING 0140
BT SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			11.41	0.00	0.5	516	10.76	0.037
4.0			11.43	0.01	0.5	520	10.76	
7.0			11.40	0.01	0.6	516	10.74	
10.0			11.37	0.00	0.6	517	10.73	
12.0			11.31	0.01	0.7	515	10.63	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.012	0.031	0.062	0.310	3.0	500E00	200E00	900E00
4.0								
7.0						200E00		500E00
10.0	0.012	0.011	0.062	0.335				
12.0	0.016	0.013	0.062	0.335		300E00	100E00	110E01

DEPTH	SPC 35
1.0	230E01
4.0	
7.0	140E02
10.0	
12.0	300E01

C-REF-NO 112
CONS. NO 014
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 06
TIME 0338

NO. DEPTHS 04
SOUNDING 0137
BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.60	0.01	0.3	502	10.22	
4.0			12.62	0.02	0.4	503	10.25	
7.0			12.59	0.02	0.4	504	10.26	
10.0			11.99	0.01	0.6	497	10.53	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.9	000E00	000E00	800E00
4.0								
7.0						000E00		700E00
10.0						100E00	000E00	600E00

DEPTH	SPC 35
1.0	400E00
4.0	
7.0	800E00
10.0	800E00

C-REF-NO 112	LAT 42-40-48N	YEAR 1968	NO. DEPTHS 11
CONS. NO 015	LON 079-41-30W	MONTH 11	SOUNDING 0323
COUNTRY 18		DAY 06	BT SLIDE NO 015
INSTITUTE 22		TIME 0451	

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			13.15	0.00	0.2	507	9.74	
4.0			13.15	0.01	0.3	499	9.74	
7.0			13.13	0.01	0.3	393	9.72	
10.0			13.14	0.02	0.4	503	9.75	
13.0			13.14	0.00	0.8	495	9.75	
16.0			13.15	0.01	0.5	494	9.78	
19.0			13.13	0.01	0.4	498	9.77	
22.0			13.11	0.02	0.5	500	9.77	
25.0			13.08	0.00	0.4	495	9.75	
28.0			13.05	0.00	0.5	498	9.81	
30.0			12.88	0.00	0.7	496	9.54	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					2.1	000E00		500E00
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								
25.0								
28.0								
30.0						100E00		100E01

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
22.0	
25.0	
28.0	
30.0	600E00

C-REF-NO 112	LAT 42-40-12N	YEAR 1968	NO. DEPTHS 02
CONS. NO 016	LON 079-41-24W	MONTH 11	SOUNDING 0332
COUNTRY 18		DAY 06	BT SLIDE NO 016
INSTITUTE 22		TIME 0538	

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
10.0			13.11	0.00				
20.0			13.11	0.01				

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
10.0								
20.0								

DEPTH	SPC 35
10.0	
20.0	

C-REF-NO 112
CONS. NO 017
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 06
TIME 0708

NO. DEPTHS 13
SOUNDING 0442
BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			13.67	0.00	0.1	516	9.55	
4.0			13.69	0.01	0.2	518	9.61	
7.0			13.69	0.01	0.3	517	9.68	
10.0			13.69	0.01	0.3	516	9.60	
13.0			13.69	0.01	0.3	526	9.63	
16.0			13.71	0.03	0.2	517	9.58	
19.0			13.68	0.01	0.2	520	9.60	
22.0			13.64	0.01	0.3	517	9.66	
25.0			13.50		0.3	519	9.58	
28.0			12.77	0.01	0.5	514	9.41	
31.0			12.66	0.00	0.5	518	9.41	
37.0			11.89	0.01	0.6	518	9.15	
42.0			9.14	0.02	1.5	520	6.56	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.3			
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								
25.0								
28.0								
31.0								
37.0								
42.0								

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	
42.0	

C-REF-NO 112
CONS. NO 018
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 06
TIME 0850

NO. DEPTHS 07
SOUNDING 0207
BT SLIDE NO 018

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.66	0.01	0.5	524	9.98	
4.0			12.68	0.02	0.6	524	10.12	
7.0			12.67	0.01	0.6	523	10.09	
10.0			12.63	0.00	0.4	520	10.22	
13.0			12.63	0.00	0.6	522	10.31	
16.0			12.64	0.01	0.6	521	10.25	
19.0			12.61	0.00	0.6	522	10.48	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.9	000E00	000E00	800E00
4.0								
7.0						000E00		700E00
10.0								
13.0								
16.0								
19.0						400E00	200E00	140E01

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

C-REF-NO 112
CONS. NO 019
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 06
TIME 1014

NO. DEPTHS 06
SOUNDING 0174
BT SLIDE NO 019

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.66	0.00	0.9	528	9.75	0.036
4.0			12.30	0.09	1.0	529	9.78	
7.0			12.48	0.04	1.0	528	9.83	
10.0			12.69	0.03	1.0	528	9.83	
13.0			12.70	0.01	0.9	525	9.78	
16.0			12.67	0.00	1.1	529	9.78	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.008	0.029	0.035	0.285	2.0	000E00	000E00	360E01
4.0								
7.0						900E00		280E01
10.0	0.008	0.005	0.035	0.232				
13.0								
16.0	0.008	0.004	0.029	0.225		000E00		200E00

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	
16.0	

C-REF-NO 112	LAT 42-26-00N	YEAR 1968	NO. DEPTHS 14
CONS. NO 020	LON 079-50-00W	MONTH 11	SOUNDING 0475
COUNTRY 18		DAY 06	BT SLIDE NO 020
INSTITUTE 22		TIME 1136	

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			13.52	0.01	0.1	501	9.68	0.020
4.0			13.54	0.03	0.1	501	9.66	
7.0			13.09	0.13	0.1	502	9.68	
10.0			13.31	0.03	0.2	500	9.68	
13.0			13.52	0.00	0.1	501	9.69	
16.0			13.53	0.01	0.2	501	9.66	
19.0			13.53	0.01	0.1	500	9.68	
22.0			13.52	0.00	0.2	501	9.68	
25.0			13.52		0.2	501	9.66	
28.0			13.51	0.01	0.2	500	9.64	
31.0			13.49	0.01	0.2	501	9.61	
37.0			10.41	0.08	0.7	511	7.26	
43.0			8.23	0.09	3.0	515	6.04	
46.0			7.88	0.03	3.0	517	5.50	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.006	0.030	0.033	0.208	1.5			
4.0								
7.0								
10.0	0.005	0.004	0.030	0.205				
13.0								
16.0								
19.0								
22.0								
25.0								
28.0								
31.0								
37.0								
43.0								
46.0	0.030	0.003	0.240	0.840				

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 112
CONS. NO 021
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 06
TIME 1317

NO. DEPTHS 16
SOUNDING 0622
BT SLIDE NO 021

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.5	7	13.28	0.01	0.2	504	9.74	
4.0			13.31	0.02	0.2	498	9.74	
7.0			13.29	0.02	0.2	498	9.74	
10.0			13.29	0.01	0.2	499	9.72	
13.0			13.30	0.02	0.3	497	9.74	
16.0			13.31	0.02	0.2	497	9.74	
19.0			13.27	0.00	0.2	501	9.72	
22.0			13.22	0.01	0.4	501	9.72	
25.0			13.23		0.3	499	9.72	
28.0			12.98	0.01	0.5	500	9.71	
31.0			12.59	0.01	0.7	499	9.66	
37.0			13.14	0.03	0.3	502	9.69	
43.0			12.91		0.2	497	9.69	
49.0			12.51	0.09	0.3	498	9.69	
55.0			12.64	0.12	0.3	495	9.72	
60.0			11.81	0.04	0.5	495	9.71	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.6	400E00		130E01
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								
60.0						100E00		500E00

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	
49.0	
55.0	
60.0	140E01

C-REF-NO 112
CONS. NO 022
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 06
TIME 1439

NO. DEPTHS 13
SOUNDING 0466
BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.5	8	12.87	0.02	0.5	503	9.60	0.038
4.0			12.89	0.03	0.5	497	9.60	
7.0			12.86	0.03	0.5	495	9.64	
10.0			12.91	0.01	0.4	495	9.63	0.030
13.0			12.92	0.01	0.4	500	9.61	
16.0			12.94	0.02	0.5	499	9.61	
19.0			12.76	0.00	0.5	497	9.75	
22.0			12.78	0.01	0.5	502	9.78	
25.0			12.79		0.4	497	9.78	
28.0			12.77	0.01	0.4	496	9.71	
31.0			12.76	0.01	0.5	497	9.68	
37.0			11.83	0.02	1.6	505	8.53	
43.0			8.72	0.01	0.9	509	5.50	0.038

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.006	0.035	0.038	0.305	1.6			
4.0								
7.0								
10.0	0.006	0.005	0.041	0.245				
13.0								
16.0								
19.0								
22.0								
25.0								
28.0								
31.0								
37.0								
43.0	0.006	0.003	0.055	0.335				

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 112
CONS. NO 023
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 06
TIME 1632

NO. DEPTHS 05
SOUNDING 0143
BT SLIDE NO 023

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.5	8	12.72	0.00	0.3	504	9.94	
4.0			12.74	0.02	0.4	492	9.95	
7.0			12.71	0.02	0.3	497	9.98	
10.0			12.71	0.01	0.5	493	9.94	
12.0			12.72	0.00	0.4	493	9.91	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					2.1	000E00		220E01
4.0								
7.0								
10.0								
12.0								

DEPTH	SPC 35
1.0	700E00
4.0	
7.0	
10.0	
12.0	

C-REF-NO 112
CONS. NO 024
COUNTRY 18
INSTITUTE 22

LAT 42-44-36N
LON 080-07-18W

YEAR 1968
MONTH 11
DAY 06
TIME 1715

NO. DEPTHS 01
SOUNDING 0113
BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
8.0			11.43	0.01				

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
8.0								

DEPTH	SPC 35
8.0	

C-REF-NO 112
CONS. NO 025
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 06
TIME 1759

NO. DEPTHS 03
SOUNDING 0085
BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			9.21	0.01	0.3	505	10.96	0.066
4.0			9.24	0.02	0.3	498	11.19	
7.0			9.21	0.00	0.3	499	11.18	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.003	0.007	0.066	0.525	7.7			
4.0								
7.0	0.003	0.013	0.060	0.440		000E00	000E00	240E01

DEPTH	SPC 35
1.0	
4.0	
7.0	110E01

C-REF-NO 112
CONS. NO 026
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 06
TIME 2032

NO. DEPTHS 07
SOUNDING 0223
BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.0	8	12.22	0.01	1.6	522	9.75	
4.0			12.03	0.03	1.6	521	9.92	
7.0			12.17	0.01	1.6	520	10.02	
10.0			12.24	0.01	1.7	517	9.94	
13.0			12.24	0.01	1.8	517	9.95	
16.0			12.25	0.01	1.8	518	9.94	
19.0			12.22	0.01	2.0	519	9.94	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.8	100E00	000E00	180E01
4.0								
7.0						000E00		180E02
10.0								
13.0								
16.0								
19.0						000E00	000E00	300E01

DEPTH	SPC 35
1.0	110E01
4.0	
7.0	500E00
10.0	
13.0	
16.0	
19.0	330E01

C-REF-NO 112
CONS. NO 027
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 06
TIME 2207

NO. DEPTHS 11
SOUNDING 0323
BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.62	0.02	0.7	518	9.83	
4.0			12.64	0.01	0.7	510	9.81	
7.0			12.63	0.01	0.7	508	9.86	
10.0			12.62	0.01	0.8	511	10.11	
13.0			12.63	0.00	0.6	508	10.14	
16.0			12.64	0.01	0.9	511	9.83	
19.0			12.63	0.02	0.7	511	9.86	
22.0			12.62	0.00	0.7	508	9.77	
25.0			12.58	0.02	0.6	509	9.98	
28.0			12.53	0.00	0.6	508	9.68	
30.0			12.39	0.02	1.4	514	8.37	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.9	510E01		470E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0								
25.0								
28.0								
30.0						300E00		700E00

DEPTH	SPC 35
1.0	170E02
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
22.0	
25.0	
28.0	
30.0	500E00

C-REF-NO 112
CONS. NO 028
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 06
TIME 2336

NO. DEPTHS 05
SOUNDING 0131
BT SLIDE NO 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			11.71	0.01	4.5	543	10.37	
4.0			11.74	0.01	4.2	543	10.37	
7.0			11.73	0.01	4.0	543	10.33	
10.0			11.73	0.00	4.7	543	10.33	
12.0			11.72	0.01	4.9	544	10.33	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.9	300E00	200E00	180E02
4.0								
7.0						400E00		170E02
10.0								
12.0						300E00	000E00	570E01

DEPTH	SPC 35
1.0	720E01
4.0	
7.0	950E01
10.0	
12.0	180E02

C-REF-NO 112
CONS. NO 029
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 07
TIME 0101

NO. DEPTHS 03
SOUNDING 0076
BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.08	0.02	2.0	521	10.28	0.056
4.0			12.10	0.02	1.5	524	10.33	
7.0			12.07	0.01	1.5	527	10.34	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.029	0.032	0.056	0.210	2.2	200E00		350E01
4.0								
7.0	0.029	0.004	0.060	0.180		500E00	000E00	280E01

DEPTH	SPC 35
1.0	160E01
4.0	
7.0	160E01

C-REF-NO 112
CONS. NO 030
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 07
TIME 0240

NO. DEPTHS 05
SOUNDING 0189
BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.49	0.01	0.5	519	10.37	0.027
4.0			12.47	0.01	0.3	522	10.37	
7.0			12.48	0.01	0.3	519	10.42	
10.0			12.53	0.01	0.3	521	10.40	0.023
13.0			12.53	0.01	0.4	500	10.39	0.030

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.003	0.041	0.028	0.180	2.7	000E00		370E01
4.0								
7.0								
10.0	0.003	0.002	0.017	0.170				
13.0	0.003	0.001	0.023	0.170		000E00		180E01

DEPTH	SPC 35
1.0	200E00
4.0	
7.0	
10.0	
13.0	500E00

C-REF-NO 112
CONS. NO 031
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 07
TIME 0433

NO. DEPTHS 04
SOUNDING 0140
BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.34	0.01	0.7	521	9.94	
4.0			12.33	0.00	0.9	516	9.97	
7.0			12.34	0.01	1.1	516	9.98	
10.0			12.34	0.00	0.9	514	9.94	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					2.0	000E00		200E01
4.0								
7.0								
10.0						000E00		510E01

DEPTH	SPC 35
1.0	400E01
4.0	
7.0	
10.0	370E01

C-REF-NO 112
CONS. NO 032
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 07
TIME 0532

NO. DEPTHS 04
SOUNDING 0104
BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			11.44	0.01	5.5	525	10.31	0.052
4.0			11.43	0.00	7.0	510	10.40	
7.0			11.44	0.01	7.0	505	10.34	
9.0			11.46		6.0	511	10.29	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.023	0.030	0.050	0.350	1.9	100E00	000E00	220E01
4.0								
7.0								
9.0	0.022	0.020	0.044	0.360		100E00		400E01

DEPTH	SPC 35
1.0	600E00
4.0	
7.0	
9.0	110E01

C-REF-NO 112
CONS. NO 033
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 07
TIME 0659

NO. DEPTHS 05
SOUNDING 0158
BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			11.52	0.03	5.4	504	10.08	
4.0			11.51	0.02	5.0	496	10.08	
7.0			11.52	0.01	5.3	496	10.09	
10.0			11.52	0.00	5.2	498	10.09	
13.0			11.52	0.00	4.7	496	10.06	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.7	100E00	000E00	410E01
4.0								
7.0						200E00		760E01
10.0								
13.0						300E00	100E00	380E01

DEPTH	SPC 35
1.0	700E00
4.0	
7.0	700E00
10.0	
13.0	600E00

C-REF-NO 112
CONS. NO 034
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 07
TIME 0822

NO. DEPTHS 07
SOUNDING 0207
BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.47	0.01	1.9	510	10.00	
4.0					2.0	508	10.14	
7.0			12.25	0.01	1.7	505	10.15	
10.0			12.40	0.03	1.7	507	10.11	
13.0			12.43	0.00	1.9	511	10.11	
16.0			12.46	0.02	1.5	510	10.06	
19.0			12.46	0.00	2.0	511	10.05	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.3	000E00		330E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0						100E00		780E01

DEPTH	SPC 35
1.0	500E00
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	230E01

C-REF-NO 112
CONS. NO 035
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 07
TIME 0955

NO. DEPTHS 08
SOUNDING 0226
BT SLIDE NO 035

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.81	0.00	3.1	507	10.03	
4.0			12.81	0.02	3.0	501	10.06	
7.0			12.82	0.01	2.9	494	10.12	
10.0			12.81	0.00	2.7	495	10.06	
13.0			12.82	0.00	3.0	495	10.06	
16.0			12.83	0.03	3.3	496	10.03	
19.0			12.82	0.00	3.0	494	10.03	
20.0			12.80	0.00	3.2	495	10.14	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.4			
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 112
CONS. NO 036
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 07
TIME 1140

NO. DEPTHS 04
SOUNDING 0125
BT SLIDE NO 036

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			11.68	0.01	5.2	529	10.20	
4.0			11.67	0.01	5.5	524	10.23	
7.0			11.69	0.02	5.3	523	10.40	
10.0			11.67	0.00	7.3	523	10.23	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.5	600E00	500E00	300E02
4.0								
7.0						140E01		230E02
10.0						130E01	200E00	300E02

DEPTH	SPC 35
1.0	310E02
4.0	
7.0	220E02
10.0	390E02

C-REF-NO 112
CONS. NO 037
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 07
TIME 1302

NO. DEPTHS 05
SOUNDING 0152
BT SLIDE NO 037

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.5	11	12.16	0.00	2.0	509	9.98	0.065
4.0			12.14	0.01	2.0	511	9.98	
7.0			12.17	0.03	2.0	507	9.98	
10.0			12.16	0.01	2.0	507	9.98	
13.0			12.16		2.0	508	9.98	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.037	0.099	0.095	0.325	1.9	140E01	600E00	480E01
4.0								
7.0						150E01		400E01
10.0	0.040	0.021	0.100	0.330				
13.0	0.037	0.020	0.093	0.330		110E01	800E00	270E01

DEPTH	SPC 35
1.0	200E02
4.0	
7.0	230E02
10.0	
13.0	290E02

C-REF-NO 112	LAT 42-09-06N	YEAR 1968	NO. DEPTHS 07
CONS. NO 038	LON 080-46-30W	MONTH 11	SOUNDING 0219
COUNTRY 18		DAY 07	BT SLIDE NO 038
INSTITUTE 22		TIME 1434	

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.5	10	12.67	0.00	1.0	503	10.06	0.039
4.0			12.66	0.00	1.0	505	10.05	
7.0			12.69	0.03	1.0	504	10.05	
10.0			12.67	0.00	1.0	507	10.06	
13.0			12.67	0.02	1.0	507	10.05	
16.0			12.68	0.03	1.0	507	10.06	
19.0			12.65	0.00	1.0	503	10.05	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.010	0.036	0.022	0.145	2.2	000E00		870E01
4.0								
7.0								
10.0	0.011	0.016	0.023	0.140				
13.0								
16.0								
19.0	0.010	0.016	0.022	0.130		000E00		210E01

DEPTH	SPC 35
1.0	600E00
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	120E01

C-REF-NO 112
CONS. NO 039
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 07
TIME 1604

NO. DEPTHS 07
SOUNDING 0207
BT SLIDE NO 039

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.0	9	12.65	0.01	1.5	510	10.05	
4.0			12.64	0.02	1.5	509	10.05	
7.0			12.66	0.02	1.2	512	10.03	
10.0			12.65	0.00	1.2	505	10.03	
13.0			12.65	0.00	1.5	505	10.03	
16.0			12.65	0.02	1.1	506	10.03	
18.0			12.63	0.00	1.3	504	10.03	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					2.4	000E00		170E01
4.0								
7.0								
10.0								
13.0								
16.0								
18.0						200E00		300E01

DEPTH	SPC 35
1.0	500E00
4.0	
7.0	
10.0	
13.0	
16.0	
18.0	500E00

C-REF-NO 112	LAT 42-30-00N	YEAR 1968	NO. DEPTHS 06
CONS. NO 040	LON 080-58-24W	MONTH 11	SOUNDING 0192
COUNTRY 18		DAY 07	BT SLIDE NO 040
INSTITUTE 22		TIME 1731	

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	3.0	8	12.55	0.01	0.4	505	10.15	0.048
4.0			12.57	0.02	0.5	506	10.15	
7.0			12.58	0.01	0.7	505	10.00	
10.0			12.57	0.00	0.7	504	10.00	0.055
13.0			12.57	0.01	0.7	503	9.97	
16.0			12.56	0.01	0.9	504	9.98	0.057

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.012	0.022	0.021	0.210	2.3	100E00		280E01
4.0								
7.0								
10.0	0.018	0.011	0.017	0.200				
13.0								
16.0	0.012	0.020	0.020	0.200		000E00		800E00

DEPTH	SPC 35
1.0	900E00
4.0	
7.0	
10.0	
13.0	
16.0	700E00

C-REF-NO 112
CONS. NO 041
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 07
TIME 1836

NO. DEPTHS 04
SOUNDING 0128
BT SLIDE NO 041

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.5	10	11.43	0.02	3.0	495	10.26	0.085
4.0			11.44	0.02	3.0	498	10.25	
7.0			11.46	0.00	4.0	502	10.28	
10.0			11.43	0.01	5.0	494	10.28	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.032	0.008	0.038	0.200	2.3	100E00	000E00	280E01
4.0								
7.0						000E00		270E01
10.0	0.035	0.018	0.040	0.200		000E00	000E00	300E01

DEPTH	SPC 35
1.0	360E01
4.0	
7.0	210E01
10.0	150E01

C-REF-NO 112
CONS. NO 042
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 07
TIME 1957

NO. DEPTHS 04
SOUNDING 0134
BT SLIDE NO 042

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.0	10	11.94	0.04	2.3	514	10.19	
4.0			11.92	0.00	2.0	512	10.20	
7.0			11.93	0.01	2.3	512	10.23	
10.0			11.90	0.00	2.4	509	10.23	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					2.9	000E00	00QE00	400E00
4.0								
7.0						000E00		110E01
10.0						000E00	000E00	800E00

DEPTH	SPC 35
1.0	180E01
4.0	
7.0	900E00
10.0	170E01

C-REF-NO 112
CONS. NO 043
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 07
TIME 2114

NO. DEPTHS 07
SOUNDING 0213
BT SLIDE NO 043

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	3.0	7	12.78	0.02	0.8	524	10.15	
4.0			12.76	0.01	0.8	523	10.15	
7.0			12.80	0.05	1.0	523	10.03	
10.0			12.78	0.00	1.0	522	10.00	
13.0			12.78	0.01	1.2	526	10.15	
16.0			12.79	0.01	1.2	526	9.98	
19.0			12.78	0.02	1.2	522	9.98	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					2.3			
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 112
CONS. NO 044
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 07
TIME 2247

NO. DEPTHS 08
SOUNDING 0223
BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.91	0.00	2.2	524	10.11	
4.0			12.91	0.01	1.8	524	9.91	
7.0			12.95	0.01	2.0	519	9.52	
10.0			12.94	0.01	1.7	523	9.92	
13.0			12.94	0.00	1.7	524	9.92	
16.0			12.93	0.03	1.7	522	10.15	
19.0			12.94	0.01	1.7	523	9.91	
21.0			12.88	0.09	1.7	519	10.08	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.7	000E00		260E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
21.0						000E00		750E01

DEPTH	SPC 35
1.0	160E01
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
21.0	590E01

C-REF-NO 112
CONS. NO 045
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 08
TIME 0008

NO. DEPTHS 08
SOUNDING 0223
BT SLIDE NO 045

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.78	0.00	1.6	537	9.80	
4.0			12.76	0.01	1.6	538	9.91	
7.0			12.79	0.04	1.6	539	9.83	
10.0			12.78	0.00	1.7	537	9.91	
13.0			12.79	0.02	1.7	537	9.92	
16.0			12.79	0.02	1.6	537	9.95	
19.0			12.78	0.00	1.7	534	9.92	
21.0			12.77	0.01	1.6	534	9.91	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.7			
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 112	LAT 41-54-24N	YEAR 1968	NO. DEPTHS 05
CONS. NO 046	LON 080-55-00W	MONTH 11	SOUNDING 0146
COUNTRY 18		DAY 08	BT SLIDE NO 046
INSTITUTE 22		TIME 0125	

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.67	0.00	1.5	536	9.81	
4.0			12.65	0.01	2.0	536	9.81	
7.0			12.68	0.03	2.0	536	9.81	
10.0			12.67	0.01	2.0	536	9.81	
12.0			12.65	0.02	2.0	534	9.81	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.6	500E00	000E00	970E01
4.0								
7.0						400E00		530E01
10.0								
12.0						300E00	000E00	120E02

DEPTH	SPC 35
1.0	100E02
4.0	
7.0	130E02
10.0	
12.0	260E02

C-REF-NO 112
CONS. NO 047
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 08
TIME 0301

NO. DEPTHS 05
SOUNDING 0140
BT SLIDE NO 047

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.33	0.01	3.5	528	9.97	
4.0			12.32	0.01	3.5	525	9.98	
7.0			12.35	0.02	4.0	525	9.98	
10.0			12.33	0.00	4.0	525	9.98	
12.0			12.32	0.00	4.0	530	9.98	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.8	160E01	130E01	270E02
4.0								
7.0						160E01		200E02
10.0								
12.0						120E01	800E00	240E02

DEPTH	SPC 35
1.0	
4.0	
7.0	960E02
10.0	
12.0	100E03

C-REF-NO 112
CONS. NO 048
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 08
TIME 0426

NO. DEPTHS 07
SOUNDING 0232
BT SLIDE NO 048

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			13.08	0.02	0.6	523	9.74	
4.0			13.06	0.01	0.5	523	9.75	
7.0			13.10	0.04	0.7	524	9.75	
10.0			13.08	0.02	0.8	524	9.75	
13.0			13.07	0.02	0.8	522	9.75	
16.0			13.08	0.02	0.7	522	9.74	
19.0			13.06		0.8	520	9.74	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.4	000E00		200E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0						000E00		120E01

DEPTH	SPC 35
1.0	250E01
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	180E01

C-REF-NO 112
CONS. NO 049
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 08
TIME 0554

NO. DEPTHS 08
SOUNDING 0232
BT SLIDE NO 049

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			13.00	0.02	0.5	528	9.81	
4.0			13.01	0.02	0.6	531	9.81	
7.0			13.03	0.01	0.5	529	9.80	
10.0			13.02	0.01	0.5	530	9.91	
13.0			13.03	0.00	0.7	530	9.92	
16.0			13.02	0.02	0.7	529	9.92	
19.0			13.03	0.01	0.6	527	9.83	
21.0			13.02	0.00	0.7	525	9.78	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.5			
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 112
CONS. NO 050
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 08
TIME 0724

NO. DEPTHS 07
SOUNDING 0223
BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.72	0.00	1.2	473	9.80	
4.0			12.73	0.00	1.3	469	9.78	
7.0			12.75	0.01	1.2	470	9.80	
10.0			12.73	0.00	1.1	470	9.91	
13.0			12.73	0.00	1.2	469	9.92	
16.0			12.74	0.02	1.2	468	9.78	
19.0			12.74	0.01	1.2	467	9.78	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.5	000E00		150E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0						000E00		100E02

DEPTH	SPC 35
1.0	500E01
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	730E01

C-REF-NO 112
CONS. NO 051
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 08
TIME 0843

NO. DEPTHS 04
SOUNDING 0134
BT SLIDE NO 051

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			11.63	0.02	3.3	474	10.33	
4.0			11.65	0.01	3.0	471	10.34	
7.0			11.70	0.02	3.0	471	10.33	
10.0			11.64	0.00	3.0	470	10.33	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.3	900E00	400E00	760E01
4.0								
7.0						000E00		380E01
10.0						300E00	000E00	480E01

DEPTH	SPC 35
1.0	510E01
4.0	
7.0	430E01
10.0	260E01

C-REF-NO 112	LAT 42-23-48N	YEAR 1968	NO. DEPTHS 05
CONS. NO 052	LON 081-44-00W	MONTH 11	SOUNDING 0128
COUNTRY 18		DAY 08	BT SLIDE NO 052
INSTITUTE 22		TIME 1006	

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.07	0.02	2.2	472	10.14	0.081
4.0			12.06	0.01	2.5	466	10.15	
7.0			12.07	0.00	2.4	465	10.17	
10.0			12.06	0.00	2.3	465	10.20	
12.0			12.04		2.3	466	10.15	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.022	0.056	0.040	0.140	2.3	000E00		190E01
4.0								
7.0						000E00		200E01
10.0	0.019	0.019	0.040	0.135				
12.0	0.016	0.042	0.036	0.125		000E00		290E01

DEPTH	SPC 35
1.0	170E01
4.0	
7.0	210E01
10.0	
12.0	260E01

C-REF-NO 112
CONS. NO 053
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 08
TIME 1106

NO. DEPTHS 07
SOUNDING 0207
BT SLIDE NO 053

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.36	0.00	2.0	474	9.85	
4.0			12.36	0.00	1.8	468	10.19	
7.0			12.37	0.02	1.7	471	10.00	
10.0			12.36	0.00	1.9	467	9.92	
13.0			12.34	0.01	2.0	468	9.85	
16.0			12.38	0.02	2.0	468	9.83	
19.0			12.36	0.01	2.0	470	9.91	

DEPTH	SR PO4	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								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	

C-REF-NO 112
CONS. NO 054
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 08
TIME 1232

NO. DEPTHS 08
SOUNDING 0238
BT SLIDE NO 054

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	3.0	7	12.70	0.01	0.6	479	9.91	0.081
4.0			12.68	0.02	0.5	481	9.89	
7.0			12.71	0.04	0.5	482	9.91	
10.0			12.69	0.01	0.5	480	9.91	0.080
13.0			12.69	0.02	0.5	478	9.91	
16.0			12.70	0.03	0.5	477	9.91	
18.0			12.69	0.00	0.5	480	9.91	
21.0			12.67	0.00	0.6	480	9.91	0.077

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.035	0.045	0.050	0.255	2.1			
4.0								
7.0								
10.0	0.033	0.019	0.050	0.275				
13.0								
16.0								
18.0								
21.0	0.032	0.042	0.060	0.270				

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	
16.0	
18.0	
21.0	

C-REF-NO 112
CONS. NO 055
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 08
TIME 1357

NO. DEPTHS 07
SOUNDING 0229
BT SLIDE NO 055

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.0	10	13.04	0.00	0.8	501	9.75	0.073
4.0			13.02	0.02	0.6	498	9.75	
7.0			13.05	0.03	0.6	497	9.75	
10.0			13.05	0.00	0.6	498	9.75	
13.0			13.03	0.01	0.6	501	9.77	
16.0			13.04	0.01	0.7	496	9.75	
19.0			13.03	0.00	0.6	494	9.75	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.028	0.072	0.038	0.320	1.8	000E00		130E01
4.0								
7.0								
10.0	0.030	0.035	0.053	0.375				
13.0								
16.0								
19.0	0.029	0.037	0.049	0.390		000E00		500E00

DEPTH	SPC 35
1.0	200E00
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	700E00

C-REF-NO 112
CONS. NO 056
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 08
TIME 1525

NO. DEPTHS 04
SOUNDING 0140
BT SLIDE NO 056

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	0.5	11	12.04	0.03	4.0	487	10.14	0.112
4.0			12.03	0.00	3.5	488	10.14	
7.0			12.05	0.02	3.5	489	10.15	
10.0			12.02	0.00	3.0	485	10.15	0.110

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.025	0.056	0.060	0.135	1.7	160E01	140E01	240E02
4.0								
7.0						140E01		120E02
10.0	0.025	0.012	0.070	0.130		300E00	200E00	130E02

DEPTH	SPC 35
1.0	140E02
4.0	
7.0	
10.0	110E02

C-REF-NO 112
CONS. NO 057
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 08
TIME 1704

NO. DEPTHS 06
SOUNDING 0183
BT SLIDE NO 057

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.0	8	12.55	0.02	5.0	480	9.89	
4.0			12.54	0.01	5.0	477	9.89	
7.0			12.56	0.02	5.0	477	9.93	
10.0			12.55	0.01	6.0	477	9.91	
13.0			12.54	0.01	6.0	475	9.91	
15.0			12.53	0.00	6.0	477	9.89	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					2.7	400E00		710E01
4.0								
7.0								
10.0								
13.0								
15.0						100E00		760E01

DEPTH	SPC 35
1.0	320E01
4.0	
7.0	
10.0	
13.0	
15.0	160E01

C-REF-NO 112
CONS. NO 058
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 08
TIME 1759

NO. DEPTHS 04
SOUNDING 0122
BT SLIDE NO 058

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.0	11	11.69	0.00	12.0	491	10.08	0.206
4.0			11.69	0.00	12.5	493	10.09	
7.0			11.71	0.04	15.0	485	10.05	
10.0			11.68	0.05	13.5	487	10.06	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.031	0.044	0.052	0.128	2.4	150E02	720E01	800E02
4.0								
7.0						710E01		440E02
10.0	0.035	0.042	0.058	0.104		480E01	200E01	380E02

DEPTH	SPC 35
1.0	880E02
4.0	
7.0	340E02
10.0	590E02

C-REF-NO 112
CONS. NO 059
COUNTRY 18
INSTITUTE 22

LAT 41-33-06N
LON 081-39-30W

YEAR 1968
MONTH 11
DAY 08
TIME 1841

NO. DEPTHS 04
SOUNDING 0125
BT SLIDE NO 059

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.0	11	11.84	0.01	14.0	488	10.05	
4.0			11.85	0.01	13.0	484	10.05	
7.0			11.85	0.01	13.0	485	10.06	
10.0			11.83	0.01	17.0	485	10.00	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					3.5		400E00	110E02
4.0								
7.0								340E02
10.0							400E01	260E02

DEPTH	SPC 35
1.0	140E02
4.0	
7.0	470E02
10.0	620E02

C-REF-NO 112
CONS. NO 060
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 08
TIME 1913

NO. DEPTHS 04
SOUNDING 0122
BT SLIDE NO 060

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.0	11	11.80	0.01	13.0	516	10.03	
4.0			11.79	0.01	12.0	515	9.92	
7.0			11.83	0.02	12.0	512	9.94	
10.0			11.80	0.01	13.0	509	9.91	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					2.9		900E01	
4.0								
7.0								
10.0							600E01	

DEPTH	SPC 35
1.0	120E03
4.0	
7.0	
10.0	110E03

C-REF-NO 112
CONS. NO 061
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 08
TIME 1944

NO. DEPTHS 04
SOUNDING 0128
BT SLIDE NO 061

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.0	11	11.49	0.02				
4.0			11.48	0.00				
7.0			11.52	0.02				
10.0			11.50	0.00				

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0							350E02	
4.0								
7.0								
10.0							280E02	

DEPTH	SPC 35
1.0	250E03
4.0	
7.0	
10.0	220E03

C-REF-NO 112
CONS. NO 062
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 08
TIME 2022

NO. DEPTHS 05
SOUNDING 0152
BT SLIDE NO 062

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.0	10	12.13	0.01	8.0	505	9.98	0.112
4.0			12.13	0.02	8.0	502	10.00	
7.0			12.15	0.02	7.0	502	10.06	
10.0			12.12	0.00	7.0	503	9.97	
13.0			12.14	0.00	13.0	503	9.98	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.025	0.047	0.033	0.272	3.2	300E00		880E01
4.0								
7.0						100E00		490E01
10.0								
13.0	0.021	0.035	0.027	0.232				

DEPTH	SPC 35
1.0	
4.0	
7.0	350E01
10.0	
13.0	

C-REF-NO 112
CONS. NO 063
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 08
TIME 2229

NO. DEPTHS 08
SOUNDING 0244
BT SLIDE NO 063

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.97	0.01	2.0	499	9.98	
4.0			12.96	0.02	1.6	492	10.17	
7.0			12.98	0.01	1.5	491	10.12	
10.0			12.95	0.01	2.0	492	10.12	
13.0			12.97	0.00	1.5	491	10.06	
16.0			12.99	0.02	2.0	495	10.00	
19.0			12.97	0.01	1.7	496	10.17	
22.0			12.95	0.05	1.7	496	10.00	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.8	190E01		210E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0								
22.0						000E00		800E00

DEPTH	SPC 35
1.0	150E01
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	
22.0	800E00

C-REF-NO 112
CONS. NO 064
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 09
TIME 0000

NO. DEPTHS 08
SOUNDING 0238
BT SLIDE NO 064

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.71	0.01	1.3	477	9.94	
4.0			12.71	0.01	1.1	472	9.92	
7.0			12.73	0.02	1.0	472	9.92	
10.0			12.71	0.00	1.1	471	9.92	
13.0			12.73	0.01	1.1	471	9.92	
16.0			12.73	0.02	1.2	470	9.92	
19.0			12.73	0.00	1.1	470	9.92	
22.0			12.73	0.00	1.2	468	9.92	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					2.3			
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 112
CONS. NO 065
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 09
TIME 0125

NO. DEPTHS 05
SOUNDING 0165
BT SLIDE NO 065

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			11.58	0.00	2.0	476	10.29	
4.0			11.57	0.01	2.0	476	10.22	
7.0			11.62	0.02	2.0	478	10.20	
10.0			11.59	0.01	2.0	476	10.20	
13.0			11.58	0.00	2.0	473	10.34	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					2.7	000E00		480E01
4.0								
7.0						000E00		200E01
10.0								
13.0						000E00		210E01

DEPTH	SPC 35
1.0	120E01
4.0	
7.0	700E00
10.0	
13.0	300E00

C-REF-NO 112
CONS. NO 066
COUNTRY 18
INSTITUTE 22

LAT 42-08-06N
LON 082-08-24W

YEAR 1968
MONTH 11
DAY 09
TIME 0300

NO. DEPTHS 06
SOUNDING 0201
BT SLIDE NO 066

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.26	0.00	0.5	479	10.02	
4.0			12.25	0.02	0.5	479	10.02	
7.0			12.28	0.04	0.5	479	10.14	
10.0			12.24	0.01	0.5	479	10.03	
13.0			12.27	0.01	0.5	480	10.09	
16.0			12.26	0.00	0.6	476	10.03	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					2.4	000E00		550E01
4.0								
7.0						000E00		490E01
10.0								
13.0								
16.0						000E00		230E01

DEPTH	SPC 35
1.0	110E01
4.0	
7.0	500E00
10.0	
13.0	
16.0	130E01

C-REF-NO 112
CONS. NO 067
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 09
TIME 0420

NO. DEPTHS 07
SOUNDING 0219
BT SLIDE NO 067

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.79	0.00	0.9	479	9.77	
4.0			12.78	0.01	1.0	475	9.81	
7.0			12.81	0.04	0.8	471	9.83	
10.0			12.76	0.00	0.4	475	9.85	
13.0			12.79	0.02	0.9	470	9.88	
16.0			12.80	0.03	0.9	474	9.85	
19.0			12.79	0.01	1.0	473	9.77	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					2.6	000E00		160E01
4.0								
7.0								
10.0								
13.0								
16.0								
19.0						000E00		190E01

DEPTH	SPC 35
1.0	120E01
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	800E00

C-REF-NO 112
CONS. NO 068
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 09
TIME 0545

NO. DEPTHS 07
SOUNDING 0219
BT SLIDE NO 068

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.84	0.00	1.0	489	9.75	
4.0			12.83	0.01	1.1	475	9.80	
7.0			12.86	0.02	0.9	474	9.86	
10.0			12.83	0.00				
13.0			12.85	0.01	0.3	481	9.86	
16.0			12.83	0.02	0.9	475	9.83	
19.0			12.85	0.00	0.9	473	9.81	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					1.7			
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 112
CONS. NO 069
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 09
TIME 0705

NO. DEPTHS 06
SOUNDING 0186
BT SLIDE NO 069

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			11.29	0.00	5.0	481	10.09	
4.0			11.27	0.01	5.0	477	10.14	
7.0			11.29	0.01	5.0	476	10.06	
10.0			11.28	0.00	5.0	472	10.11	
13.0			11.30	0.01	5.0	476	10.09	
16.0			11.29	0.00	5.0	476	10.12	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					2.2	000E00		360E01
4.0								
7.0						000E00		790E01
10.0								
13.0								
16.0						000E00	000E00	670E01

DEPTH	SPC 35
1.0	110E02
4.0	
7.0	
10.0	
13.0	
16.0	900E01

C-REF-NO 112	LAT	41-32-42N	YEAR 1968	NO. DEPTHS	05
CONS. NO 070	LON	082-04-24W	MONTH 11	SOUNDING	0161
COUNTRY 18			DAY 09	BT SLIDE NO	070
INSTITUTE 22			TIME 0825		

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			11.37	0.01	15.0	471	10.14	0.134
4.0			11.36	0.01	15.0	461	10.14	
7.0			11.39	0.02	15.0	455	10.08	
10.0			11.35	0.00	15.0	455	10.09	
13.0			11.36	0.01	15.0	460	10.09	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.019	0.058	0.029	0.136	4.7		200E00	830E01
4.0								
7.0								210E01
10.0								
13.0	0.019	0.062	0.025	0.075			000E00	260E01

DEPTH	SPC 35
1.0	470E01
4.0	
7.0	590E01
10.0	
13.0	180E01

C-REF-NO 112
CONS. NO 071
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 09
TIME 0950

NO. DEPTHS 07
SOUNDING 0201
BT SLIDE NO 071

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.18	0.00	1.6	499	10.11	0.068
4.0			12.18	0.01	1.6	493	10.17	
7.0			12.19	0.01	1.6	494	10.16	
10.0			12.16	0.00	2.1	493	10.22	0.065
13.0			12.19	0.01	1.5	495	10.14	
16.0			12.20	0.03	1.5	497	10.16	
19.0			12.18	0.00	1.5	497	10.14	0.064

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.008	0.050	0.026	0.140	6.9	000E00		160E01
4.0								
7.0								
10.0	0.010	0.011	0.020	0.100				
13.0								
16.0								
19.0	0.010	0.031	0.026	0.125		000E00		700E00

DEPTH	SPC 35
1.0	290E01
4.0	
7.0	
10.0	
13.0	
16.0	
19.0	800E00

C-REF-NO 112
CONS. NO 072
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 09
TIME 1130

NO. DEPTHS 06
SOUNDING 0174
BT SLIDE NO 072

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			12.37	0.00	1.5	495	10.29	0.090
4.0			12.38	0.02	1.3	490	10.45	
7.0			12.40	0.03	1.3	488	10.45	
10.0			12.37	0.02	1.4	488	10.37	
13.0			12.39	0.02	1.4	489	10.33	
15.0			12.39	0.00	1.4	489	10.74	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.014	0.028	0.035	0.040	4.2			
4.0								
7.0								
10.0	0.014	0.011	0.044	0.020				
13.0								
15.0	0.014	0.010	0.030	0.020				

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
13.0	
15.0	

C-REF-NO 112
CONS. NO 073
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 09
TIME 1254

NO. DEPTHS 05
SOUNDING 0146
BT SLIDE NO 073

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	2.5	10	11.86	0.01	0.6	480	10.09	0.072
4.0			11.86	0.01	0.6	484	10.14	
7.0			11.89	0.02	0.7	480	10.06	
10.0			11.87		0.6	484	9.27	
13.0			11.87	0.00	0.7	480	9.98	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.021	0.047	0.032	0.290	4.7			370E01
4.0								
7.0						100E00		210E01
10.0	0.022	0.016	0.029	0.270				
13.0	0.019	0.046	0.035	0.310		100E00		180E01

DEPTH	SPC 35
1.0	360E01
4.0	
7.0	300E00
10.0	
13.0	600E00

C-REF-NO 112
CONS. NO 074
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 09
TIME 1453

NO. DEPTHS 04
SOUNDING 0110
BT SLIDE NO 074

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.0	11	10.73	0.01	3.0	423	10.37	
4.0			10.74	0.00	3.0	430	10.33	
7.0			10.75	0.00	3.0	430	10.33	
9.0			10.73	0.00	3.0	430	10.34	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					3.9			
4.0								
7.0								
9.0						000E00		790E01

DEPTH	SPC 35
1.0	
4.0	
7.0	
9.0	230E01

C-REF-NO 112
CONS. NO 075
COUNTRY 18
INSTITUTE 22

LAT 41-38-30N
LON 082-24-12W

YEAR 1968
MONTH 11
DAY 09
TIME 1615

NO. DEPTHS 05
SOUNDING 0143
BT SLIDE NO 075

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.0	11	10.68	0.00	3.0	441	10.37	
4.0			10.68	0.01	3.5	433	10.36	
7.0			10.69	0.01	3.0	424	10.37	
10.0			10.67	0.00	3.0	422	10.39	
12.0			10.68	0.01	4.0	420	10.37	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					5.4			
4.0								
7.0								
10.0								
12.0								

DEPTH	SPC 35
1.0	
4.0	
7.0	
10.0	
12.0	

C-REF-NO 112
CONS. NO 076
COUNTRY 18
INSTITUTE 22

LAT 41-28-06N
LON 082-18-18W

YEAR 1968
MONTH 11
DAY 09
TIME 1734

NO. DEPTHS 04
SOUNDING 0128
BT SLIDE NO 076

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.0	11	10.43	0.01	12.0	506	10.25	
4.0			10.44	0.00	12.0	510	10.20	
7.0			10.44	0.00	12.0	508	9.81	
10.0			10.43	0.00	12.0	506	10.23	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					7.1			630E01
4.0								
7.0								130E02
10.0								140E02

DEPTH	SPC 35
1.0	
4.0	
7.0	120E02
10.0	960E01

C-REF-NO 112
CONS. NO 077
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 09
TIME 1845

NO. DEPTHS 04
SOUNDING 0107
BT SLIDE NO 077

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.0	11	9.92	0.01	13.0	498	10.40	0.130
4.0			9.91	0.00	13.0	487	10.42	
7.0			9.92	0.02	13.0	488	10.40	
10.0			9.93	0.00	13.0	486	10.39	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.024	0.125	0.065	0.120	9.1			210E02
4.0								
7.0								710E01
10.0	0.025	0.111	0.052	0.100				860E01

DEPTH	SPC 35
1.0	670E01
4.0	
7.0	790E01
10.0	800E01

C-REF-NO 112
CONS. NO 078
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 09
TIME 2003

NO. DEPTHS 04
SOUNDING 0131
BT SLIDE NO 078

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	1.0	11	10.10	0.01	18.0	443	10.42	
4.0			10.09	0.01	18.0	439	10.39	
7.0			10.10	0.01	20.0	439	10.46	
10.0			10.12	0.02	20.0	437	10.43	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					7.4			130E02
4.0								
7.0								930E01
10.0							000E00	110E02

DEPTH	SPC 35
1.0	320E01
4.0	
7.0	290E01
10.0	480E01

C-REF-NO 112
CONS. NO 079
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 09
TIME 2128

NO. DEPTHS 04
SOUNDING 0098
BT SLIDE NO 079

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0	0.5	11	9.56	0.01	22.0	414	11.07	0.130
4.0			9.58	0.01	22.0	406	11.19	
7.0			9.58	0.01	20.0	404	11.22	
9.0			9.57	0.00	22.0	404	11.19	0.129

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.041	0.116	0.150	0.230	7.7		000E00	120E02
4.0								
7.0								690E01
9.0	0.038	0.050	0.135	0.190			400E00	980E01

DEPTH	SPC 35
1.0	620E01
4.0	
7.0	530E01
9.0	420E01

C-REF-NO 112
CONS. NO 080
COUNTRY 18
INSTITUTE 22

LAT 41-41-06N
LON 082-56-00W

YEAR 1968
MONTH 11
DAY 09
TIME 2246

NO. DEPTHS 04
SOUNDING 0091
BT SLIDE NO 080

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			9.27	0.00	40.0	481	10.94	
4.0			9.27	0.01	38.0	475	11.04	
7.0			9.27	0.00	35.0	473	10.93	
8.0			9.26	0.01	38.0	476	11.10	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					10.5			940E01
4.0								
7.0								
8.0								110E02

DEPTH	SPC 35
1.0	480E01
4.0	
7.0	
8.0	600E01

C-REF-NO 112
CONS. NO 081
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 10
TIME 0004

NO. DEPTHS 03
SOUNDING 0073
BT SLIDE NO 081

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			8.77	0.00	20.0	410	11.02	
4.0			8.74	0.01	18.0	399	11.12	
6.0			8.74	0.01	18.0	398	11.04	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					8.1		000E00	550E01
4.0								
6.0							000E00	830E01

DEPTH	SPC 35
1.0	430E01
4.0	
6.0	400E01

C-REF-NO 112
CONS. NO 082
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 10
TIME 0121

NO. DEPTHS 03
SOUNDING 0079
BT SLIDE NO 082

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			8.19	0.00	4.0	450	11.30	0.068
4.0			8.20	0.00	4.0	452	11.30	
6.0			8.20	0.01	4.0	452	11.41	0.067

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.005	0.054	0.140	0.520	9.4	370E01		440E02
4.0								
6.0	0.003	0.014	0.120	0.490		140E02		660E02

DEPTH	SPC 35
1.0	120E02
4.0	
6.0	260E02

C-REF-NO 112
CONS. NO 083
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 10
TIME 0222

NO. DEPTHS 03
SOUNDING 0085
BT SLIDE NO 083

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			8.45	0.01	6.0	368	11.10	
4.0			8.46	0.00	6.0	371	11.13	
7.0			8.44	0.00	6.0	366	11.13	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					5.4	170E01	900E00	120E03
4.0								
7.0						470E01	110E01	900E02

DEPTH	SPC 35
1.0	330E02
4.0	
7.0	380E02

C-REF-NO 112
CONS. NO 084
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 10
TIME 0327

NO. DEPTHS 04
SOUNDING 0098
BT SLIDE NO 084

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			8.51	0.00	2.5	394	11.05	
4.0			8.51	0.00	2.5	397	11.07	
7.0			8.52	0.01	2.5	395	11.08	
9.0			8.52	0.00	3.0	389	11.08	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					5.4	230E01		130E03
4.0								
7.0								
9.0						140E01		120E03

DEPTH	SPC 35
1.0	240E02
4.0	
7.0	
9.0	170E02

C-REF-NO 112
CONS. NO 085
COUNTRY 18
INSTITUTE 22

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

YEAR 1968
MONTH 11
DAY 10
TIME 0437

NO. DEPTHS 04
SOUNDING 0107
BT SLIDE NO 085

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			8.87	0.00	3.0	473	10.56	0.226
4.0			8.90	0.00	3.5	466	10.54	
7.0			8.91	0.01	3.0	465	10.74	
10.0			8.90	0.01	3.0	465	10.81	0.226

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0	0.170	0.290	0.120	0.280	6.3	400E00		290E02
4.0								
7.0								
10.0	0.170	0.330	0.105	0.270		400E00		320E02

DEPTH	SPC 35
1.0	120E02
4.0	
7.0	
10.0	150E02

C-REF-NO 112
CONS. NO 086
COUNTRY 18
INSTITUTE 22

LAT 41-59-12N
LON 082-36-12W

YEAR 1968
MONTH 11
DAY 10
TIME 0556

NO. DEPTHS 03
SOUNDING 0104
BT SLIDE NO 086

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
1.0			9.48	0.00	6.0	462	10.99	
4.0			9.50	0.00	6.0	450	10.90	
7.0			9.50		7.0	448	10.91	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
1.0					8.8		000E00	400E02
4.0								
7.0							100E00	320E02

DEPTH	SPC 35
1.0	800E01
4.0	
7.0	650E01

C-REF-NO 112
CONS. NO 087
COUNTRY 18
INSTITUTE 22

LAT 42-40-12N
LON 079-41-24W

YEAR 1968
MONTH 11
DAY 10
TIME 2151

NO. DEPTHS 02
SOUNDING 0335
BT SLIDE NO 087

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	CON 25	O2 W	T PO4
10.0			12.17	0.00				
20.0			12.18	0.01				

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	MF FCO	SPC 20
10.0								
20.0								

DEPTH	SPC 35
10.0	
20.0	