



LIMNOLOGICAL DATA REPORT NO. 2

LAKE ERIE

CRUISE 69 - 107, August 25 - 30
CRUISE 69 - 108, September 13 - 18
CRUISE 69 - 110, October 14 - 20
CRUISE 69 - 111, December 7 - 13

1969

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

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

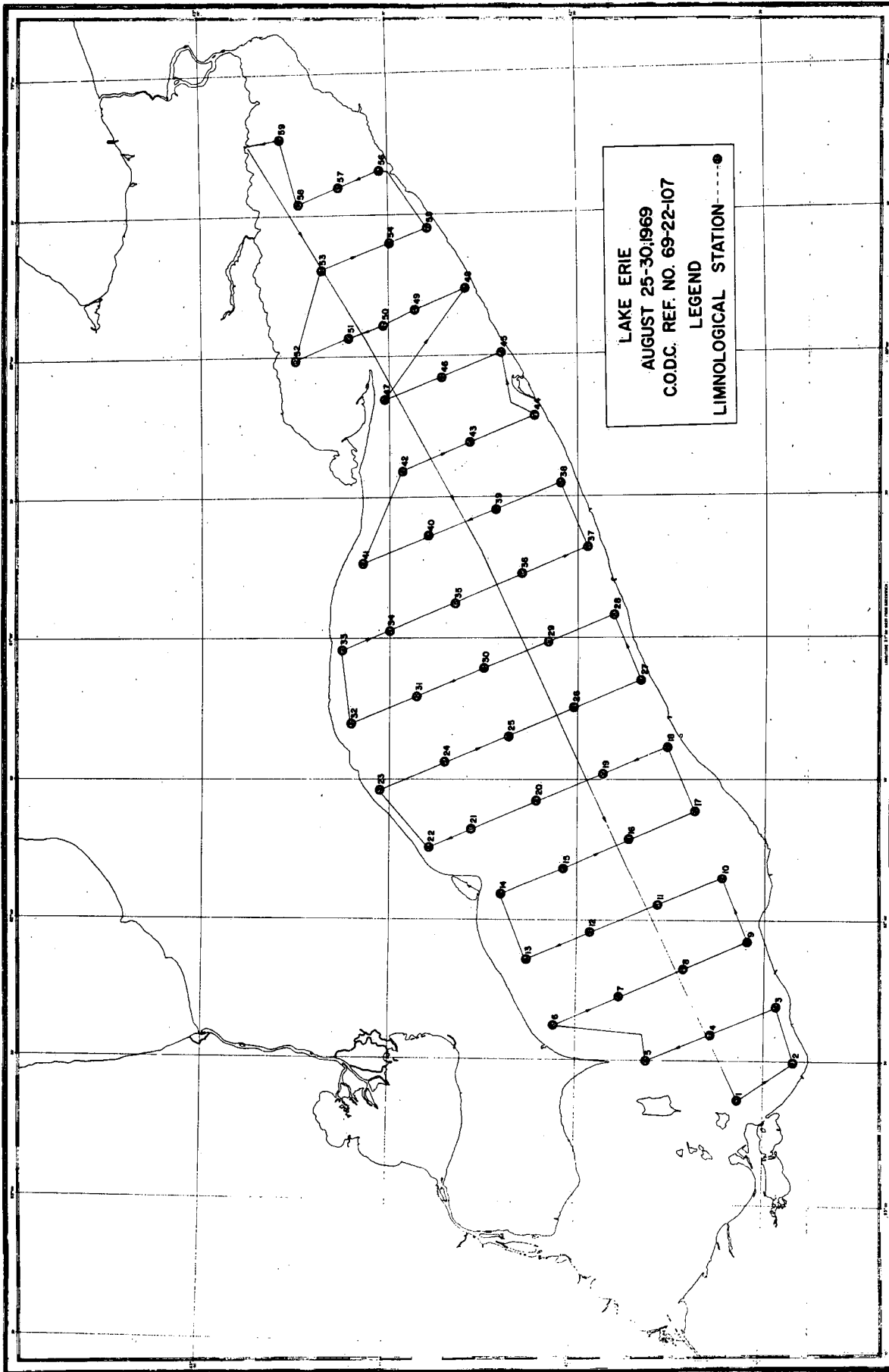
INTRODUCTION

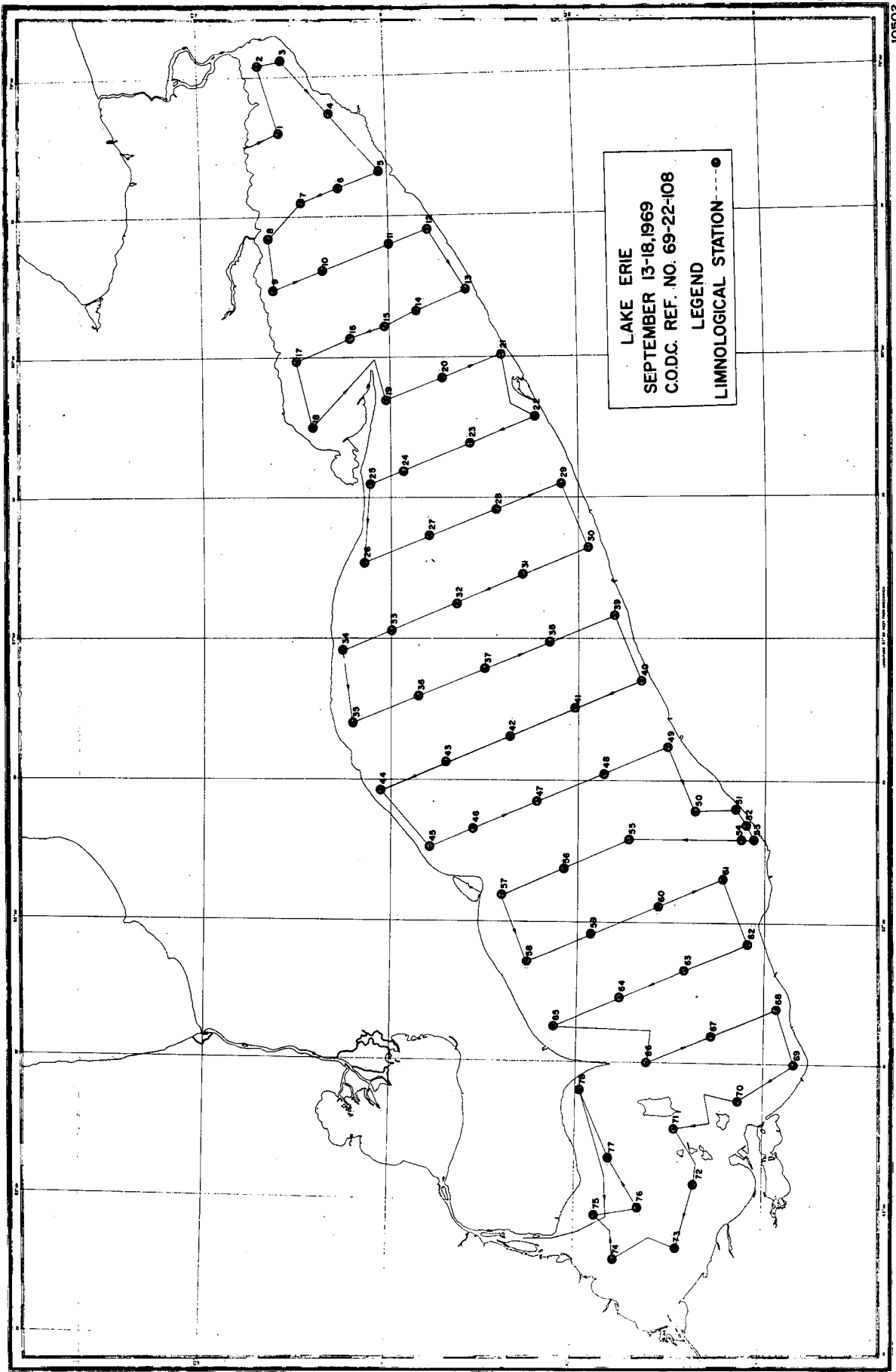
This report is one of a series listing bacteriological, biological, chemical and physical data for the waters of Lake Erie, observed by Government of Canada agencies during the period February 6 to December 13, 1969.

The 1969 surveys were carried out by (1) the Great Lakes and Water Quality Divisions 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 open-water work from the Canada Centre for Inland Waters at Burlington, Ontario, aboard the Canadian Scientific Ship "Limnos" and the chartered ship "M.V. Martin Karlsen". The survey from February 3 - 28 was performed from ice cover using a hovercraft. The Department of Energy, Mines and Resources co-ordinated the programs and provided support facilities to the participating agencies and the University scientists in collaboration with the Centre's agencies. Ship and launch operations were the responsibility of the Marine Sciences Branch, Department of Energy, Mines and Resources.

Although surveys related to geological and purely physical studies of the lake were also undertaken, only the water quality data gathered on eight monitoring cruises are included in these reports. Supplementary bathythermograph and meteorological data are available on request from Canada Centre for Inland Waters, P.O. Box 5050, Burlington, Ontario. Accompanying cruise track charts show the geographical locations of the observations listed in this data record.

During the time covered by this report the Canada Centre for Inland Waters was part of the Department of Energy, Mines and Resources (Minister, the Honourable J.J. Greene). On April 1, 1971 the Centre, along with other elements of the Department of Energy, Mines and Resources, was transferred to the new Department of the Environment, the Honourable Jack Davis, Minister.

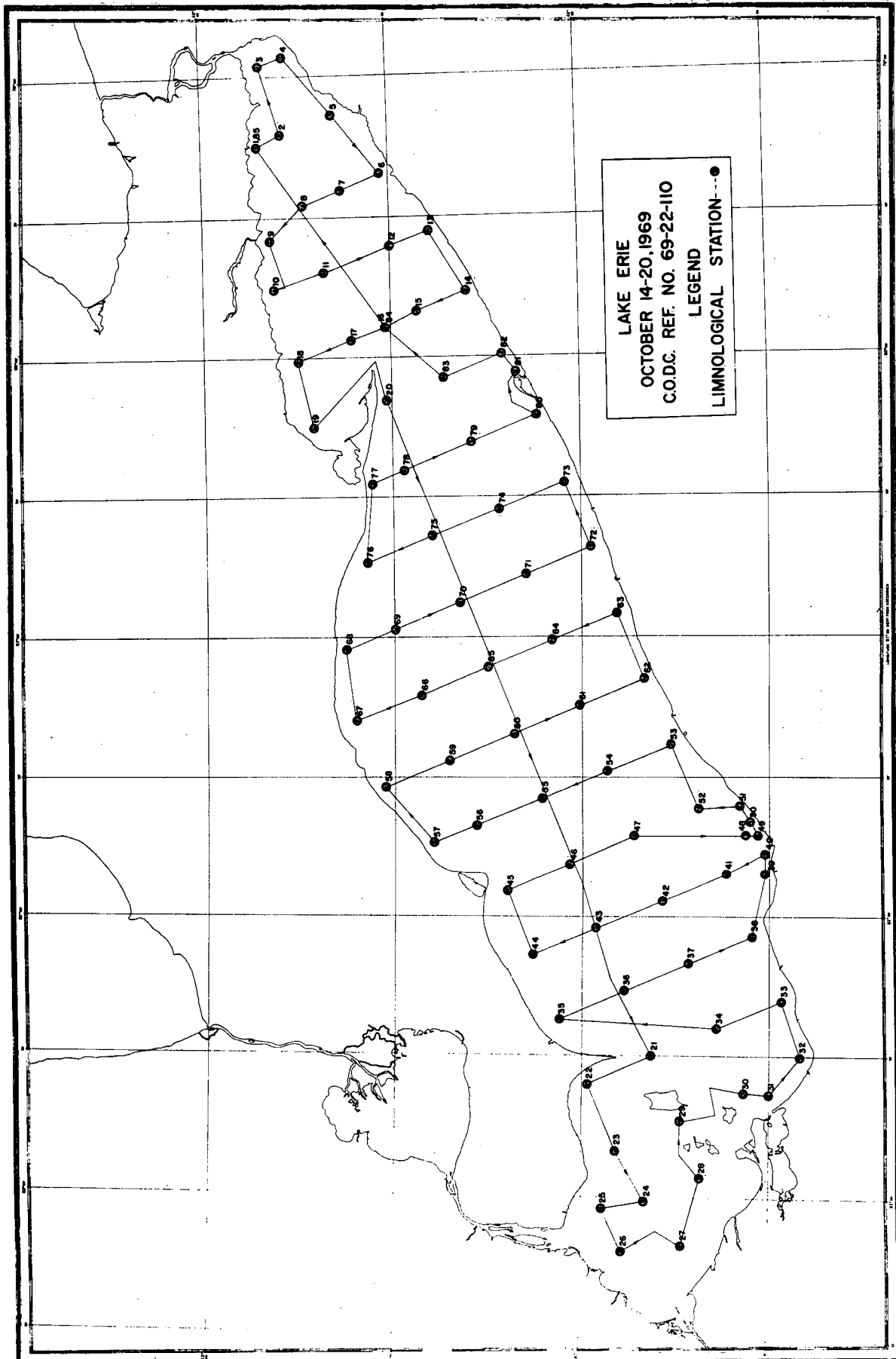


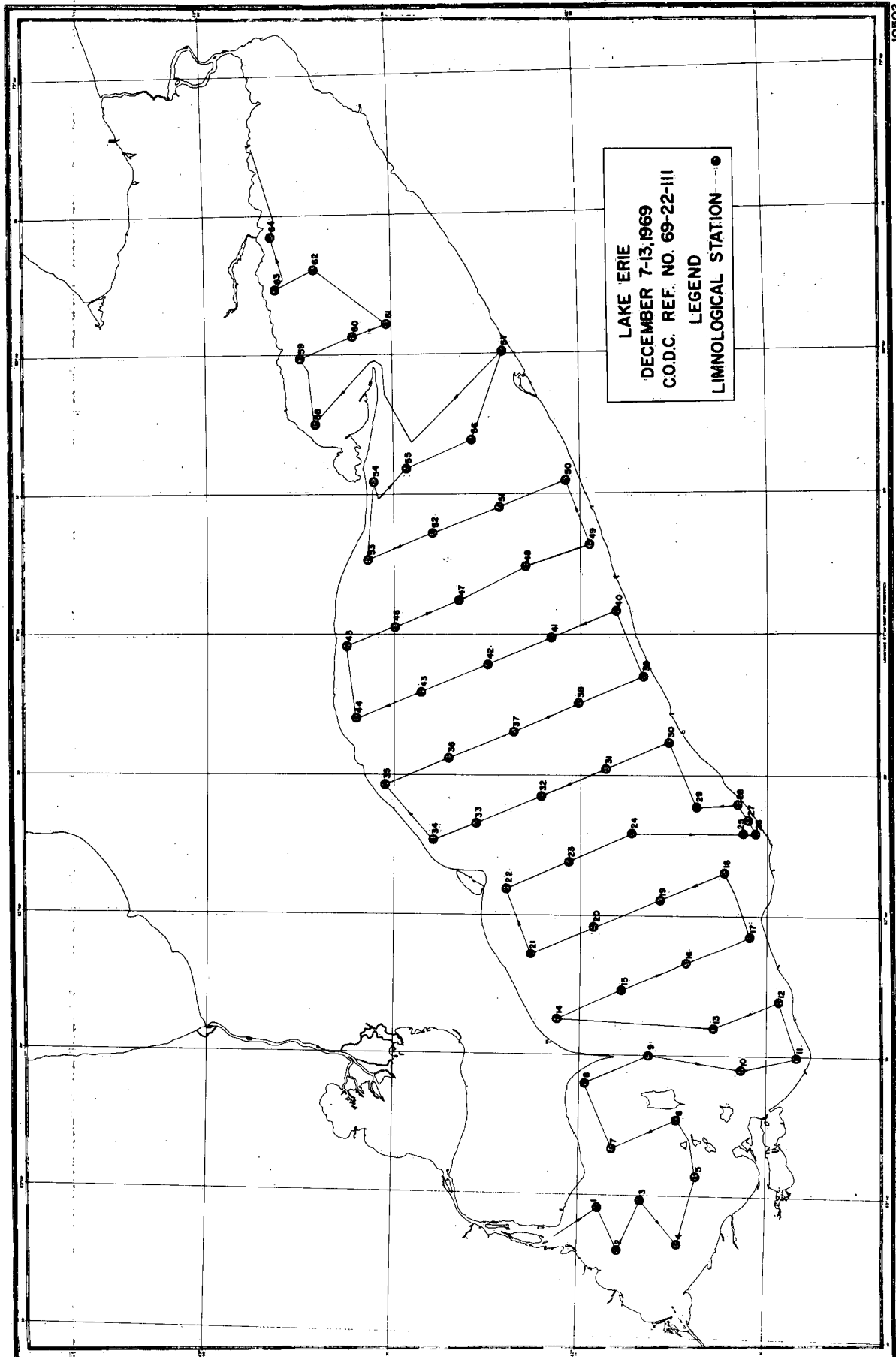


LAKE ERIE
SEPTEMBER 13-18, 1969
C.O.D.C. REF. NO. 69-22-108
LEGEND
LIMNOLOGICAL STATION ---●

10502

10502





LAKE ERIE
 DECEMBER 7-13, 1969
 C.O.D.C. REF. NO. 69-22-III
 LEGEND
 LIMNOLOGICAL STATION ---●

SUMMARY OF THE CRUISES AND DATA LISTED IN THE 1969 DATA REPORTS
FOR LAKE ERIE

Data Report No.	1	
Cruise No.	101	103
Dates (1969)	Feb. 6 Feb. 27	May 29 June 4
Cruise Type	Monitor	Monitor
Vessel	Hovercraft	Karlisen
No. of Stations	16	83
No. of BT Slides	16	83

Station Data:

Date/Time	X	X
Sounding	X	X
BT Slide No.	X	X
Sample Depth	X	X
Secchi	X	X
Colour Forel-ule	X	X
Temperature	X	X
Temperature Classification	X	X
Turbidity	X	X
Specific Conductance	X	X
Carbon, Total		
pH 25°C		
Alkalinity, Total (titrimetric)		
Alkalinity, Total (colorimetric)		
Oxygen, Dissolved (Winkler)	X	X
Phosphate, Total	X	X
Orthophosphate, Soluble Reactive	X	X
Ammonia Nitrogen, Soluble F	X	X
Nitrate Nitrite Nitrogen F	X	X
Sulphate NF		
Bicarbonate		
Chloride NF		
Silica, Reactive	X	X
Hardness	X	X
Calcium NF Atomic Absorption		
Magnesium NF		
Potassium, NF Photometric		
Sodium NF Photometric		
Chlorophyll A		X
Mf Coliforms		X
MF/Fecal Coliforms		
Standard Plate Count at 20°C		
Standard Plate Count at 35°C		

F - Filtered

NF - Non filtered

1		2			
104	105	107	108	110	111
July 2 July 6	July 28 Aug. 2	Aug. 25 Aug. 30	Sept. 13 Sept. 18	Oct. 14 Oct. 20	Dec. 7 Dec. 13
Monitor	Monitor	Monitor	Monitor	Monitor	Monitor
Karlsen	Karlsen	Karlsen	Karlsen	Karlsen	Limnos
52	53	59	78	85	64
52	53	59	94	85	64

X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
	X	X			
	X	X			
	X	X			
X	X	X	X	X	X
			X		
			X		
			X	X	
			X	X	
			X	X	
			X	X	X
			X	X	
				X	
				X	
				X	

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 cruises are numbered consecutively for each lake in the chronological order that they occur. However, the initial digit, of the three digits assigned to each cruise number, denotes the lake for which the data are reported.

e.g. 69-001, is the first cruise on Lake Ontario
69-102, is the second cruise on Lake Erie
69-203, is the third cruise on Lake Huron
69-304, is the fourth cruise on Lake Superior
- (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 observation.
- (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 metres, to the nearest tenth of a metre.
- (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
Color Forel-ule	FOREL	Forel-ule scale		031
Temperature	TEMP	°C	2	100
Temperature Classification	T CLASS	°C	2	109
Turbidity	TURB	Turbidity Units	1	123
Specific Conductance	SP CON	Micromhos 25°C		160
pH 25°	pH 25°	pH units	3	215
Alkalinity, Total (titrimetric)	TT ALK	mgCaCO ₃ /L	1	219
Alkalinity, Total (colorimetric)	TC ALK	mgCaCO ₃ /L	1	220
Carbon Dioxide, Total	T CO ₂	umoles CO ₂ /L		231
Bicarbonate	HCO ₃	mg HCO ₃ /L	1	232
Oxygen, Dissolved (Winkler)	O ₂ W	mg O ₂ /L	2	245
Phosphate, Total	T PO ₄	mg PO ₄ /L	3	260
Orthophosphate, Soluble 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°	SPC 20	colonies/ml	*	720
Standard Plate Count at 35°	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 x 10² = 130.
 100E00 = 1.00 x 10⁰ = 1.
 000E00 = 0.00 x 10⁰ = 0.
 101E00 = <1
 102E00 = >1

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. 7, 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 Two 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. A single mean corrected temperature value is reported in this final data record, along with a temperature classification (T CLAS) denoting the averaged difference between the two sets of thermometer readings. 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 6).

Specific conductance 25°C - Ohmometric, Radiometer Conductivity Meter Type CDM2 (REFS 1, 13).

NF - Non filtered.

pH 25°C - Corning pH meter, Model 12 (REFS. 1, 4).

Alkalinity, total (Titrimetric) - Potentiometric Titration (REF. 17).

Alkalinity, total (Colorimetric) - Autoanalyzer, buffered, methyl orange indicator (REFS. 18, 19).

Carbon dioxide, total - Van Slyke gas analyzer (REF. 14).

Bicarbonate - Nomographic computation from Alkalinity values.

Dissolved Oxygen - Measured using the Winkler iodometric method. Azide was not used (REF. 8, pp. 67-78).

Phosphate, total, NF - Photometric, autoanalyzer, modification (W.Q.D.D.) of Gales & Julian, 1966 (REF. 19).

Orthophosphate, soluble reactive - Photometric, autoanalyzer, modification (W.Q.D.D.) of stannous chloride method described in Standard Methods APHA 1965 (REF. 19).

Ammonia nitrogen soluble F - Photometric, autoanalyzer, as described by Zitomer and Lambert, 1962, and automated by Sawyer & Grisley, 1967, as adopted by W.Q.D.D. (REF. 19).

Nitrate Nitrite Nitrogen F - Autoanalyzer, colorimetric cadmium reduction (REFS. 2, 3).

Sulphate NF - Photometric, autoanalyzer, method of Lazrus et al (1965) as modified by W.Q.D.D. (REF. 19).

Chloride NF - Autoanalyzer, colorimetric, mercury thiocyanate (REF. 9).

Silica, reactive - Autoanalyzer, colorimetric, heteropoly blue (REFS. 1, 16).

Hardness, total - Computed from calcium and magnesium determinations (REF. 1).

Calcium NF - Atomic absorption spectrophotometry (REF. 12).

Magnesium NF - Atomic absorption spectrophotometry (REF. 12).

Potassium NF - Autoanalyzer, flame emission photometry (REF. 15).

Sodium NF - Autoanalyzer, flame emission photometry (REF. 15).

Chlorophyll A - *in vivo* chlorophyll concentrations (REFS. 10, 11).

F - Filtered.

NF - Non filtered.

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.

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. 5).

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

PROGRAM CO-ORDINATION

Physical Limnology	Dr. R.K. Lane (G.L.D.) Mr. D.G. Robertson (G.L.D.)
Chemical Limnology	Dr. M.E. Thompson (G.L.D.)
Limnogeology	Dr. P.G. Sly (G.L.D.)
Water Quality	Dr. V.K. Chawla (W.Q.D.)
Bacteriology	Mr. B.J. Dutka (P.H.E.D.) Mr. H.R. van Otterloo (P.H.E.D.)
Chlorophyll & Plankton	Dr. R.A. Vollenweider (F.R.B.)
Operations	Mr. H.B. Macdonald (G.L.D.)
Ship Support	Mr. A. Quirk (M.S.B.)
Engineering Support	Mr. G.A. Jones (G.L.D.)
Computer and Data Services	Mr. D.M. Francis (G.L.D.) Mr. W. Nagel (G.L.D.)

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

Other Participating Agencies

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

The Meteorological Branch of the Department of Transport provided instruments, and calibration facilities for meteorological programs conducted at the centre.

Marine Sciences Branch personnel under Captain D. Butler and Captain T. Mangan operated the Canadian Scientific Ship "Limnos" while Captain H. Brandal and crew operated the chartered ship "M.V. Martin Karlsen" in support of the Centre's limnological programs.

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CRUISE 69 - 107, August 25 - 30

C-REF-NO 107
 CONS. NO 001
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 26
 TIME 0944

NO. DEPTHS 06
 SOUNDING 0130
 BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			24.30					
1.0			24.17	0.013	2.7	281	8.650	90.0
4.0			24.17	0.008	2.3	277		
7.0			24.15	0.046	2.0	288		
10.0			24.02	0.002	2.7	287		
12.0			23.41	0.011	6.5	292	8.080	93.4

DEPTH	O2 W	T CO2
0.0		
1.0	8.38	
4.0	8.30	
7.0	8.22	
10.0	7.64	
12.0	5.29	1811

C-REF-NO 107
 CONS. NO 002
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 26
 TIME 1113

NO. DEPTHS 05
 SOUNDING 0100
 BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	2.0	11	24.20					
1.0			24.10	0.001	2.0	302	8.660	98.5
4.0			24.09	0.008	1.8	299		
7.0			24.09	0.007	1.5	299		
9.0			23.82	0.011	16.0	300	8.580	93.0

DEPTH	O2 W	T CO2
0.0		
1.0	8.27	
4.0	8.25	
7.0	8.25	
9.0	7.84	1733

C-REF-NO 107
 CONS. NO 003
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 26
 TIME 1322

NO. DEPTHS 06
 SOUNDING 0140
 BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	2.0	11	24.00					
1.0			23.97	0.004	0.9	305	8.700	92.1
4.0			23.96	0.009	0.8	305		
7.0			23.95	0.009	0.8	305		
10.0			23.94	0.003	0.9	306		
12.0			23.84	0.008	1.2	306	8.700	92.3

DEPTH	O2 W	T CO2
0.0		
1.0	8.82	
4.0	8.84	
7.0	8.81	
10.0	8.75	
12.0	8.56	

C-REF-NO 107
 CONS. NO 004
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 26
 TIME 1441

NO. DEPTHS 06
 SOUNDING 0140
 BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	3.5	10	24.10					
1.0			24.04	0.014	0.4	302	8.850	92.1
4.0			24.04	0.003	0.5	302		
7.0			23.98	0.013	0.5	301		
10.0			23.90	0.011	0.4	302		
12.0			19.75	0.015	2.6	318	7.510	90.9

DEPTH	O2 W	T CO2
0.0		
1.0	9.16	
4.0	9.15	
7.0	9.05	
10.0	8.79	
12.0	1.95	1971

C-REF-NO 107
 CONS. NO 005
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 26
 TIME 1607

NO. DEPTHS 05
 SOUNDING 0110
 BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	3.0	11	23.00					
1.0			22.94	0.009	1.3	280	8.520	86.0
4.0			22.92	0.001	1.2	280		
7.0			22.72	0.015	1.2	281		
9.0			22.69	0.034	1.0	282	8.460	87.1

DEPTH	O2 W	T CO2
0.0		
1.0	8.44	
4.0	8.46	
7.0	8.09	
9.0	8.01	

C-REF-NO 107
 CONS. NO 006
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 26
 TIME 1821

NO. DEPTHS 06
 SOUNDING 0150
 BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	3.0	11	24.50					
1.0			24.14	0.016	0.6	280	8.710	91.3
4.0			24.16	0.014	0.6	282		
7.0			23.74	0.010	0.5	282		
10.0			19.51	0.032	0.4	306		
13.0			14.06	0.005	1.0	318	7.220	97.4

DEPTH	O2 W	T CO2
0.0		
1.0	9.50	
4.0	9.50	
7.0	9.06	
10.0	3.96	
13.0	0.39	2000

C-REF-NO 107
 CONS. NO 007
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 26
 TIME 1945

NO. DEPTHS 09
 SOUNDING 0180
 BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	3.0	11	24.60					
1.0			24.51	0.001	0.7	285	8.790	88.3
4.0			23.93	0.016	1.3	287		
7.0			22.99	0.025	0.6	286		
10.0			14.29	0.028	0.4	312		
13.0			11.64	0.003	0.4	311	7.280	94.9
16.0			11.63	0.009	0.4	315	7.200	
17.0			11.63	0.010	0.3	308	7.170	
17.5							7.200	97.8

DEPTH	O2 W	T CO2
0.0		
1.0	10.40	
4.0	9.51	
7.0	7.78	
10.0	1.69	
13.0	0.92	
16.0	0.92	
17.0	0.77	
17.5	0.77	2027

C-REF-NO 107
 CONS. NO 008
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 26
 TIME 2127

NO. DEPTHS 08
 SOUNDING 0190
 BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	3.0	11	25.00					
1.0			24.91	0.001	0.6	279	8.390	88.6
4.0			24.88	0.026	0.5	279		
7.0			24.65	0.005	0.5	281		
10.0			23.82	0.001	0.5	286		
13.0			23.30	0.003	0.5	286		
16.0			13.63	0.018	0.5	318		
18.0			13.20	0.024	0.3	324	7.260	97.0

DEPTH	O2 W	T CO2
0.0		
1.0	9.60	
4.0	9.59	
7.0	9.56	
10.0	8.15	
13.0	6.52	
16.0	0.03	
18.0	0.03	

C-REF-NO 107
 CONS. NO 009
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 26
 TIME 2316

NO. DEPTHS 07
 SOUNDING 0170
 BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	3.0	11	24.80					
1.0			24.65	0.003	0.4	310	8.810	94.9
4.0			24.64	0.001	0.4	310		
7.0			24.64	0.011	0.5	310		
10.0			24.17	0.009	0.4	309		
13.0			24.12	0.012	0.4	310		
16.0			21.57	0.000	0.5	313	8.600	91.5

DEPTH	O2 W	T CO2
0.0		
1.0	10.08	
4.0	10.07	
7.0	10.07	
10.0	9.38	
13.0	9.01	
16.0	8.38	

C-REF-NO 107
 CONS. NO 010
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 27
 TIME 0044

NO. DEPTHS 07
 SOUNDING 0180
 BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			24.30					
1.0			24.45	0.008	0.3	303	8.920	
4.0			24.46	0.010	0.3	306		
7.0			24.45	0.005	0.2	305		
10.0			24.06	0.002	0.1	304		
13.0			23.94	0.005	0.2	306		
16.0			23.70	0.002	0.2	306	8.750	91.5

DEPTH	O2 W	T CO2
0.0		
1.0	9.15	
4.0	9.15	
7.0	9.13	
10.0	8.85	
13.0	8.56	
16.0	8.25	

C-REF-NO 107
 CONS. NO 011
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 27
 TIME 0214

NO. DEPTHS 09
 SOUNDING 0220
 BT SLIDE NO 011

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			24.40					
1.0			24.26	0.004	0.3	302	8.970	93.2
4.0			24.26	0.011	0.2	303		
7.0			24.26	0.001	0.2	304		
10.0			24.15	0.010	0.3	305		
13.0			24.06	0.012	0.2	304		
16.0			23.99	0.040	0.2	306		
19.0			18.97	0.012	0.2	315		
20.0			13.35	0.003	0.4	328	7.490	94.9

DEPTH	O2 W	T CO2
0.0		
1.0	9.19	
4.0	9.16	
7.0	9.16	
10.0	8.88	
13.0	8.64	
16.0	8.50	
19.0	4.83	
20.0	0.18	

C-REF-NO 107
 CONS. NO 012
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 27
 TIME 0345

NO. DEPTHS 08
 SOUNDING 0210
 BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			24.10					
1.0			24.04	0.000	0.4	295	8.890	89.6
4.0			24.04	0.003	0.3	295		
7.0			24.04	0.004	0.3	294		
10.0			24.05	0.010	0.2	294		
13.0			23.99	0.020	0.3	294		
16.0			20.65	0.024	0.3	299		
19.0			12.35	0.008	0.3	322	7.470	93.6

DEPTH	O2 W	T CO2
0.0		
1.0	9.01	
4.0	9.01	
7.0	9.01	
10.0	9.01	
13.0	8.93	
16.0	7.62	
19.0	2.03	

C-REF-NO 107
 CONS. NO 013
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 27
 TIME 0514

NO. DEPTHS 08
 SOUNDING 0200
 BT SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.80					
1.0			23.69	0.002	0.3	292	8.650	83.5
4.0			23.70	0.001	0.3	292		
7.0			23.73	0.013	0.3	291		
10.0			23.73	0.011	0.3	291		
13.0			23.25	0.008	0.3	294		
16.0			12.40	0.000	0.4	320		
19.0			12.38	0.003	0.4	320	7.210	100.4

DEPTH	O2 W	T CO2
0.0		
1.0	8.86	
4.0	8.86	
7.0	8.87	
10.0	8.87	
13.0	8.52	
16.0	0.31	
19.0	0.39	

C-REF-NO 107
 CONS. NO 014
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 27
 TIME 0645

NO. DEPTHS 07
 SOUNDING 0160
 BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			22.80					
1.0			22.73	0.001	0.6	291	8.570	88.3
4.0			22.62	0.012	0.6	291		
7.0			22.61	0.041	0.5	292		
10.0			21.83	0.009	0.6	297		
13.0			17.54	0.021	0.5	314		
15.0			15.87	0.006	1.2	322	7.380	95.3

DEPTH	O2 W	T CO2
0.0		
1.0	8.90	
4.0	8.89	
7.0	8.89	
10.0	7.99	
13.0	3.73	
15.0	1.85	

C-REF-NO 107
 CONS. NO 015
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 27
 TIME 0823

NO. DEPTHS 10
 SOUNDING 0250
 BT SLIDE NO 015

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.50					
1.0			23.43	0.005	0.4	293	8.660	89.4
4.0			23.43	0.003	0.3	293		
7.0			23.45	0.006	0.2	295		
10.0			23.44	0.008	0.3	294		
13.0			23.38	0.008	0.4	292		
16.0			22.76	0.007	0.5	290		
19.0			16.85	0.046	0.5	309		
22.0			11.42	0.002	0.3	314		
24.0			11.33	0.012	0.3	324	7.190	97.6

DEPTH O2 W T CO2

0.0		
1.0	8.19	
4.0	8.10	
7.0	8.18	
10.0	7.98	
13.0	8.24	
16.0	8.36	
19.0	6.04	
22.0	1.00	
24.0	0.18	

C-REF-NO 107
 CONS. NO 016
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 27
 TIME 1004

NO. DEPTHS 10
 SOUNDING 0250
 BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.70					
1.0			23.64	0.004	0.4	298	8.650	89.4
4.0			23.65	0.005	0.6	297		
7.0			23.65	0.009	0.5	302		
10.0			23.65	0.007	0.3	295		
13.0			23.65	0.009	0.3	296		
16.0			23.64	0.007	0.2	298		
19.0			21.15	0.118	0.2	301		
22.0			14.43	0.023	0.6	322		
24.0			14.40	0.002	0.6	326	7.160	95.1

DEPTH O2 W T CO2

0.0		
1.0	8.44	
4.0	7.70	
7.0	8.47	
10.0	8.45	
13.0	8.44	
16.0	8.42	
19.0	6.98	
22.0	1.17	
24.0	1.17	

C-REF-NO 107
 CONS. NO 017
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 27
 TIME 1134

NO. DEPTHS 08
 SOUNDING 0190
 BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.0	10	24.80					
1.0			23.73	0.003	0.2	313	8.600	91.3
4.0			23.73	0.003	0.3	313		
7.0			23.74	0.015	0.2	312		
10.0			23.75	0.012	0.2	313		
13.0			23.73	0.003	0.2	313		
16.0			23.08	0.008	0.3	315		
18.0			15.17	0.004	1.4	337	7.130	102.3

DEPTH	O2 W	T CO2
0.0		
1.0	8.58	
4.0	8.56	
7.0	8.56	
10.0	8.56	
13.0	8.55	
16.0	7.84	
18.0	0.32	

C-REF-NO 107
 CONS. NO 018
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 27
 TIME 1257

NO. DEPTHS 06
 SOUNDING 0140
 BT SLIDE NO 018

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	3.5	11	23.80					
1.0			23.74	0.016	0.2	317	8.660	90.9
4.0			23.73	0.013	0.2	317		
7.0			23.70	0.024	0.2	317		
10.0			23.69	0.003	0.3	317		
12.0			23.60	0.005	0.1	314	8.670	92.1

DEPTH	O2 W	T CO2
0.0		
1.0	8.85	
4.0	8.85	
7.0	8.81	
10.0	8.78	
12.0	8.68	

C-REF-NO 107
 CONS. NO 019
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 27
 TIME 1431

NO. DEPTHS 09
 SOUNDING 0230
 BT SLIDE NO 019

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.0	10	23.50					
1.0			23.51	0.004	0.2	297	8.630	
4.0			23.50	0.010	0.3	296		
7.0			23.48	0.031	0.2	295		
10.0			23.45	0.001	0.2	296		
13.0			23.45	0.002	0.2	294		
16.0			23.40	0.009	0.2	298		
19.0			19.01	0.002	0.2	310		
21.0			14.14	0.011	0.3	328	7.270	96.8

DEPTH	O2 W	T CO2
0.0		
1.0	8.35	
4.0	8.32	
7.0	8.30	
10.0	8.24	
13.0	8.19	
16.0	8.12	
19.0	5.35	
21.0	1.40	

C-REF-NO 107
 CONS. NO 020
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 27
 TIME 1552

NO. DEPTHS 09
 SOUNDING 0240
 BT SLIDE NO 020

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	5.0	10	23.00					
1.0			22.94	0.005	0.1	294	8.790	87.5
4.0			22.93	0.005	0.2	294		
7.0			22.82	0.011	0.2	295		
10.0			22.77	0.018	0.2	295		
13.0			22.36	0.001	0.1	294		
16.0			16.62	0.007	0.2	311		
19.0			11.93	0.016	0.1	318		
22.0			11.18	0.021	0.2	318	7.340	91.3

DEPTH	O2 W	T CO2
0.0		
1.0	8.90	
4.0	8.87	
7.0	8.79	
10.0	8.62	
13.0	8.21	
16.0	4.54	
19.0	1.42	
22.0	0.48	2094

C-REF-NO 107
 CONS. NO 021
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 27
 TIME 1723

NO. DEPTHS 09
 SOUNDING 0220
 BT SLIDE NO 021

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.0	9	23.00					
1.0			22.78	0.003	0.3	291	8.560	87.1
4.0			22.80	0.008	0.4	289		
7.0			22.66	0.022	0.3	291		
10.0			22.12	0.001	0.2	295		
13.0			13.44	0.022	0.3	321		
16.0			13.18	0.008	0.3	325		
19.0			13.19	0.007	0.3	325		
21.0			13.17	0.002	0.3	325	7.200	94.2

DEPTH	O2 W	T CO2
0.0		
1.0	8.93	
4.0	8.95	
7.0	8.86	
10.0	7.42	
13.0	2.08	
16.0	1.42	
19.0	1.43	
21.0	1.40	2083

C-REF-NO 107
 CONS. NO 022
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 27
 TIME 1821

NO. DEPTHS 06
 SOUNDING 0130
 BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.0	10	22.70					
1.0			22.52	0.003	0.2	298	8.520	86.4
4.0			22.49	0.004	0.2	298		
7.0			22.36	0.020	0.2	297		
10.0			22.19	0.018	0.2	297		
12.0			20.74	0.002	0.3	301	8.390	89.8

DEPTH	O2 W	T CO2
0.0		
1.0	8.93	
4.0	8.93	
7.0	8.86	
10.0	8.59	
12.0	7.79	

C-REF-NO 107
 CONS. NO 023
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 27
 TIME 1942

NO. DEPTHS 07
 SOUNDING 0150
 BT SLIDE NO 023

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.5	10	21.90					
1.0			21.87	0.012	0.3	299	8.330	91.9
4.0			21.85	0.001	0.5	302		
7.0			21.78	0.001	0.5	303		
10.0			20.10	0.003	2.0	315		
13.0			19.37	0.023	2.3	319		
14.0			18.31	0.013	2.0	323	7.590	100.6

DEPTH	O2 W	T CO2
0.0		
1.0	8.74	
4.0	8.70	
7.0	8.67	
10.0	7.00	
13.0	5.98	
14.0	3.99	

C-REF-NO 107
 CONS. NO 024
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 27
 TIME 2102

NO. DEPTHS 09
 SOUNDING 0230
 BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	5.0	10	23.00					
1.0			22.88	0.008	0.1	303	8.590	91.9
4.0			22.87	0.004	0.2	304		
7.0			22.85	0.013	0.3	305		
10.0			22.64	0.002	0.4	304		
13.0			22.45	0.001	0.2	305		
16.0			21.98	0.009	0.2	304		
19.0			17.80	0.049	0.2	306		
22.0			14.46	0.008	0.3	318	7.180	94.7

DEPTH	O2 W	T CO2
0.0		
1.0	9.37	
4.0	9.36	
7.0	9.34	
10.0	9.20	
13.0	8.79	
16.0	8.16	
19.0	5.52	
22.0	1.00	2068

C-REF-NO 107
 CONS. NO 025
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 27
 TIME 2225

NO. DEPTHS 09
 SOUNDING 0240
 BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.0	10	23.30					
1.0			23.14	0.007	0.3	295	8.630	90.7
4.0			23.30	0.024	0.3	293		
7.0			23.24	0.006	0.3	289		
10.0			22.81	0.011	0.3	290		
13.0			22.73	0.001	0.3	295		
16.0			22.55	0.011	0.2	299	8.530	90.2
19.0			21.12	0.010	0.2	302	8.220	91.3
22.0			13.13	0.008	0.4	325	7.120	92.3

DEPTH	O2 W	T CO2
0.0		
1.0	8.54	1700
4.0	8.59	
7.0	8.79	
10.0	8.36	
13.0	8.30	
16.0	8.24	1725
19.0	7.30	1792
22.0	1.46	2111

C-REF-NO 107
 CONS. NO 026
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 27
 TIME 2357

NO. DEPTHS 09
 SOUNDING 0240
 BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.80					
1.0			23.80	0.002	0.1	311	8.580	90.0
4.0			23.58	0.007	0.1	311		
7.0			23.44	0.011	0.1	311		
10.0			23.37	0.021	0.1	311		
13.0			23.34	0.002	0.1	312		
16.0			23.30	0.021	0.1	312	8.490	
19.0			13.80	0.069	0.2	328	7.300	
22.0			12.95	0.012	0.3	331	7.320	94.9

DEPTH	O2 W	T CO2
0.0		
1.0	8.65	
4.0	8.64	
7.0	8.61	
10.0	8.55	
13.0	8.42	
16.0	8.30	
19.0	2.07	
22.0	1.38	2109

C-REF-NO 107
 CONS. NO 027
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 28
 TIME 0126

NO. DEPTHS 06
 SOUNDING 0130
 BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			24.10					
1.0			24.49	0.005	0.4	319	8.820	89.6
4.0			24.41	0.005	0.4	320		
7.0			23.91	0.025	0.4	320		
10.0			23.84	0.008	0.3	321		
11.0			23.84	0.008	0.3	322	8.780	89.4

DEPTH	O2 W	T CO2
0.0		
1.0	10.28	
4.0	10.30	
7.0	9.45	
10.0	8.99	
11.0	8.75	

C-REF-NO 107
 CONS. NO 028
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 28
 TIME 0258

NO. DEPTHS 07
 SOUNDING 0160
 BT SLIDE NO 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.80					
1.0			23.91	0.000	0.3	314	8.790	91.9
4.0			23.90	0.006	0.3	314		
7.0			23.88	0.009	0.2	314		
10.0			23.67	0.015	0.3	314		
13.0			23.65	0.004	0.3	315		
14.0			23.63	0.010	0.2	315	8.640	88.3

DEPTH	O2 W	T CO2
0.0		
1.0	9.22	
4.0	9.24	
7.0	9.22	
10.0	8.85	
13.0	8.73	
14.0	8.67	1764

C-REF-NO 107
 CONS. NO 029
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 28
 TIME 0422

NO. DEPTHS 09
 SOUNDING 0230
 BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.70					
1.0			23.70	0.012	0.1	315	8.580	93.6
4.0			23.68	0.019	0.2	315		
7.0			23.68	0.010	0.1	315		
10.0			23.52	0.001	0.1	314		
13.0			23.51	0.004	0.1	314		
16.0			23.45	0.018	0.1	314		
19.0			14.67	0.020	0.1	328		
22.0			13.01	0.017	0.3	330	7.230	95.3

DEPTH	O2 W	T CO2
0.0		
1.0	8.70	
4.0	8.70	
7.0	8.49	
10.0	8.52	
13.0	8.47	
16.0	8.35	
19.0	2.36	
22.0	1.31	

C-REF-NO 107
 CONS. NO 030
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 28
 TIME 0544

NO. DEPTHS 09
 SOUNDING 0220
 BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.20					
1.0			23.21	0.010	0.2	307	8.600	89.2
4.0			23.17	0.011	0.1	306		
7.0			23.21	0.000	0.1	306		
10.0			23.19	0.010	0.1	305		
13.0			23.15	0.005	0.1	306		
16.0			23.01	0.018	0.1	307		
19.0			13.87	0.010	0.3	329		
21.0			13.71	0.007	0.5	330	7.300	94.2

DEPTH	O2 W	T CO2
0.0		
1.0	8.78	
4.0	8.78	
7.0	8.78	
10.0	8.78	
13.0	8.60	
16.0	8.39	
19.0	1.39	
21.0	1.36	

C-REF-NO 107
 CONS. NO 031
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 28
 TIME 0708

NO. DEPTHS 09
 SOUNDING 0210
 BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			22.30					
1.0			22.22	0.021	0.2	297	8.550	87.7
4.0			22.21	0.005	0.2	297		
7.0			22.21	0.002	0.3	297		
10.0			22.21	0.012	0.2	297		
13.0			22.21	0.002	0.2	297		
16.0			20.77	0.007	0.2	303		
19.0			13.76	0.001	0.1	320		
20.0			13.73	0.021	0.1	320	7.200	93.6

DEPTH	O2 W	T CO2
0.0		
1.0	9.17	
4.0	9.16	
7.0	9.26	
10.0	9.32	
13.0	9.16	
16.0	7.59	
19.0		
20.0	0.15	

C-REF-NO 107
 CONS. NO 032
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 28
 TIME 0831

NO. DEPTHS 06
 SOUNDING 0140
 BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			21.80					
1.0			21.61	0.006	0.2	296	7.900	89.8
4.0			21.60	0.005	0.2	304		
7.0			21.61	0.003	0.2	298		
10.0			21.61	0.005	0.2	304		
13.0			18.74	0.033	0.3	310	8.170	93.8

DEPTH	O2 W	T CO2
0.0		
1.0	8.96	1712
4.0	8.96	
7.0	8.96	
10.0	8.96	
13.0	7.44	

C-REF-NO 107
 CONS. NO 033
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 28
 TIME 0951

NO. DEPTHS 06
 SOUNDING 0130
 BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			20.80					
1.0			20.85	0.002	0.4	313	8.250	90.0
4.0			20.83	0.017	0.6	314		
7.0			20.83	0.031	0.5	310		
10.0			20.83	0.014	0.5	311		
12.0			19.75	0.002	1.7	322	7.980	96.4

DEPTH	O2 W	T CO2
0.0		
1.0	8.67	
4.0	8.67	
7.0	8.69	
10.0	8.69	
12.0	7.06	

C-REF-NO 107
 CONS. NO 034
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 28
 TIME 1102

NO. DEPTHS 08
 SOUNDING 0200
 BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			21.60					
1.0			21.55	0.014	0.2	306	8.410	93.6
4.0			21.55	0.005	0.1	311		
7.0			21.55	0.008	0.2	307		
10.0			21.55	0.007	0.2	305		
13.0			21.37	0.017	0.2	309		
16.0			17.87	0.012	0.5	320		
18.0			15.95	0.015	0.6	321	7.300	98.0

DEPTH	O2 W	T CO2
0.0		
1.0	9.05	
4.0	9.05	
7.0	9.05	
10.0	9.05	
13.0	8.85	
16.0	5.22	
18.0	1.76	

C-REF-NO 107
 CONS. NO 035
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 28
 TIME 1244

NO. DEPTHS 08
 SOUNDING 0210
 BT SLIDE NO 035

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.0	9	23.90					
1.0			22.66	0.012	0.1	306	8.560	90.9
4.0			22.64	0.006	0.1	308		
7.0			22.64	0.020	0.1	307		
10.0			22.57	0.014	0.1	306		
13.0			22.41	0.000	0.1	307		
16.0			22.03	0.006	0.1	308	8.410	
19.0			21.02	0.005	0.1	310	8.180	92.6

DEPTH	O2 W	T CO2
0.0		
1.0	8.71	
4.0	8.70	
7.0	8.71	
10.0	8.68	
13.0	8.53	
16.0	8.16	
19.0	7.02	

C-REF-NO 107
 CONS. NO 036
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 28
 TIME 1404

NO. DEPTHS 08
 SOUNDING 0210
 BT SLIDE NO 036

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	5.0	9	23.10					
1.0			22.98	0.000	0.1	307	8.620	91.7
4.0			22.96	0.002	0.1	306		
7.0			22.95	0.012	0.1	307		
10.0			22.81	0.018	0.1	307		
13.0			22.63	0.005	0.1	306		
16.0			22.44	0.015	0.1	307		
19.0			18.85	0.023	0.1	312	8.210	94.9

DEPTH	O2 W	T CO2
0.0		
1.0	8.68	
4.0	8.68	
7.0	8.67	
10.0	8.68	
13.0	8.62	
16.0	8.45	
19.0	7.27	

C-REF-NO 107
 CONS. NO 037
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 28
 TIME 1529

NO. DEPTHS 06
 SOUNDING 0150
 BT SLIDE NO 037

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	3.0	10	23.50					
1.0			23.60	0.005	0.5	312	8.670	89.6
4.0			23.61	0.009	0.4	313		
7.0			23.49	0.000	0.4	313		
10.0			23.44	0.005	0.5	315		
13.0			23.42	0.000	0.4	314	8.680	91.3

DEPTH	O2 W	T CO2
0.0		
1.0	8.98	
4.0	9.00	
7.0	8.90	
10.0	8.75	
13.0	8.65	

C-REF-NO 107
 CONS. NO 038
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 28
 TIME 1648

NO. DEPTHS 06
 SOUNDING 0130
 BT SLIDE NO 038

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	5.0	10	23.50					
1.0			23.23	0.012	0.2	315	8.540	92.3
4.0			23.20	0.007	0.2	315		
7.0			23.11	0.003	0.1	316		
10.0			23.07	0.010	0.2	316		
12.0			23.07	0.008	0.2	316	8.570	93.6

DEPTH	O2 W	T CO2
0.0		
1.0	8.56	
4.0	8.62	
7.0	8.58	
10.0	8.47	
12.0	8.47	

C-REF-NO 107
 CONS. NO 039
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 28
 TIME 1819

NO. DEPTHS 09
 SOUNDING 0230
 BT SLIDE NO 039

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.0	10	23.20					
1.0			23.10	0.016	0.1	308	8.500	94.2
4.0			23.11	0.004	0.1	308		
7.0			22.92	0.003	0.1	308		
10.0			22.72	0.009	0.1	308		
13.0			22.65	0.006	0.1	308		
16.0			22.58	0.014	0.1	309		
19.0			18.01	0.039	0.1	317		
22.0			11.68	0.020	0.6	332	7.470	98.0

DEPTH	O2 W	T CO2
0.0		
1.0	8.78	
4.0	8.78	
7.0	8.84	
10.0	8.62	
13.0	8.62	
16.0	8.58	
19.0	7.08	
22.0	4.80	

C-REF-NO 107
 CONS. NO 040
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 28
 TIME 1949

NO. DEPTHS 09
 SOUNDING 0210
 BT SLIDE NO 040

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	5.0	11	22.90					
1.0			22.71	0.015	0.2	307	8.580	95.5
4.0			22.72	0.010	0.2	306		
7.0			22.59	0.022	0.2	307		
10.0			22.37	0.019	0.3	306		
13.0			22.25	0.003	0.3	307		
16.0			22.08	0.012	0.2	309		
19.0			14.55	0.000	0.5	331		
20.0			14.49	0.010	0.9	329	7.680	97.4

DEPTH	O2 W	T CO2
0.0		
1.0	8.93	
4.0	8.93	
7.0	8.93	
10.0	8.87	
13.0	8.67	
16.0	8.59	
19.0	4.45	
20.0	3.74	

C-REF-NO 107
 CONS. NO 041
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 28
 TIME 2112

NO. DEPTHS 07
 SOUNDING 0170
 BT SLIDE NO 041

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.5	10	22.40					
1.0			22.19	0.010	0.3	311	8.410	75.3
4.0			22.21	0.012	0.4	313		
7.0			22.01	0.013	0.3	312		
10.0			21.72	0.016	0.3	314		
13.0			20.76	0.013	0.4	314		
16.0			16.12	0.001	1.0	329	7.460	77.6

DEPTH	O2 W	T CO2
0.0		
1.0	9.13	
4.0	9.13	
7.0	9.13	
10.0	9.20	
13.0	8.74	
16.0	2.87	

C-REF-NO 107
 CONS. NO 042
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 28
 TIME 2258

NO. DEPTHS 07
 SOUNDING 0160
 BT SLIDE NO 042

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	6.5	8	22.60					
1.0			22.49	0.011	0.3	319	8.510	94.0
4.0			22.48	0.000	0.3	311		
7.0			22.45	0.037	0.3	307		
10.0			22.32	0.011	0.2	306		
13.0			22.22	0.010	0.2	310		
15.0			18.99	0.004	1.5	315	7.980	96.3

DEPTH	O2 W	T CO2
0.0		
1.0	8.96	
4.0	8.96	
7.0	8.97	
10.0	8.97	
13.0	8.87	
15.0	6.90	1902

C-REF-NO 107
 CONS. NO 043
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 29
 TIME 0019

NO. DEPTHS 06
 SOUNDING 0140
 BT SLIDE NO 043

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.20					
1.0			23.20	0.006	0.1	312	8.590	91.3
4.0			23.07	0.015	0.2	313		
7.0			22.86	0.034	0.2	313		
10.0			22.75	0.021	0.2	313		
12.0			22.51	0.003	0.1	312	8.520	91.3

DEPTH	O2 W	T CO2
0.0		
1.0	8.56	
4.0	8.55	
7.0	8.50	
10.0	8.39	
12.0	8.07	

C-REF-NO 107
 CONS. NO 044
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 29
 TIME 0145

NO. DEPTHS 04
 SOUNDING 0090
 BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.90					
1.0			23.71	0.004	0.6	317	8.680	87.7
4.0			23.64	0.019	0.5	318		
7.0			23.61	0.005	0.6	317	8.690	81.6

DEPTH	O2 W	T CO2
0.0		
1.0	8.85	
4.0	8.78	
7.0	8.68	1691

C-REF-NO 107
CONS. NO 045

COUNTRY 18
INSTITUTE 22

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

YEAR 1969
MONTH 08
DAY 29
TIME 0321

NO. DEPTHS 07
SOUNDING 0170
BT SLIDE NO 045

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.40					
1.0			23.31	0.002	0.2	317	8.610	93.2
4.0			23.31	0.015	0.3	317		
7.0			23.29	0.031	0.3	317		
10.0			23.22	0.010	0.3	316		
13.0			22.31	0.008	0.3	316		
15.0			20.96	0.015	0.3	317	8.080	92.1

DEPTH	O2 W	T CO2
0.0		
1.0	8.47	1769
4.0	8.47	
7.0	8.47	
10.0	8.39	
13.0	7.70	
15.0	6.42	1854

C-REF-NO 107
CONS. NO 046
COUNTRY 18
INSTITUTE 22

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

YEAR 1969
MONTH 08
DAY 29
TIME 0441

NO. DEPTHS 13
SOUNDING 0370
BT SLIDE NO 046

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.00					
1.0			22.86	0.020	0.1	311	8.500	92.3
4.0			22.86	0.005	0.1	312		
7.0			22.86	0.026	0.1	312		
10.0			22.83	0.008	0.1	311		
13.0			22.71	0.005	0.1	311		
16.0			22.64	0.019	0.1	311		
19.0			19.24	0.039	0.1	316		
22.0			10.87	0.026	0.4	328	7.630	
25.0			9.90	0.013	0.5	328		
28.0			7.78	0.028	0.7	330	7.580	
31.0			6.75	0.010	1.3	333		
36.0			6.58	0.002	1.7	333	7.500	96.8

DEPTH	O2 W	T CO2
0.0		
1.0	8.70	1716
4.0	8.70	
7.0	8.70	
10.0	8.70	
13.0	8.62	
16.0	8.55	
19.0	7.58	
22.0	6.85	
25.0	6.78	
28.0	6.96	
31.0	6.85	
36.0	6.90	2015

C-REF-NO 107
CONS. NO 047
COUNTRY 18
INSTITUTE 22

LAT	42-30-54N	YEAR	1969
LON	080-09-12W	MONTH	08
		DAY	29
		TIME	0605

NO. DEPTHS	11
SOUNDING	0320
BT SLIDE NO	047

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			21.90					
1.0			22.10	0.003	0.5	310	8.480	94.2
4.0			22.09	0.013	0.4	311		
7.0			22.09	0.033	0.5	311		
10.0			22.07	0.014	0.4	308		
13.0			20.76	0.019	0.7	314		
16.0			13.79	0.008	0.3	327		
19.0			11.66	0.010	0.2	328		
22.0			10.90	0.007	0.5	328		
25.0			8.69	0.020	0.3	328		
28.0			7.57	0.025	1.0	332	7.700	96.4

DEPTH	O2 W	T CO2
0.0		
1.0	8.62	
4.0	8.65	
7.0	8.69	
10.0	8.62	
13.0	7.68	
16.0	5.48	
19.0	6.05	
22.0	6.25	
25.0	7.13	
28.0	7.47	

C-REF-NO 107
CONS. NO 048
COUNTRY 18
INSTITUTE 22

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

YEAR 1969
MONTH 08
DAY 29
TIME 0827

NO. DEPTHS 08
SOUNDING 0180
BT SLIDE NO 048

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.00					
1.0			22.93	0.006	0.2	313	8.590	94.2
4.0			22.92	0.012	0.3	309		
7.0			22.93	0.011	0.3	314		
10.0			22.93	0.015	0.3	312		
13.0			22.92	0.005	0.4	311		
16.0			22.60	0.005	0.3	303		
17.0			19.16	0.007	0.3	314	8.280	94.2

DEPTH	O2 W	T CO2
0.0		
1.0	8.51	
4.0	8.51	
7.0	8.51	
10.0	8.51	
13.0	8.51	
16.0	8.44	
17.0	7.30	

C-REF-NO 107
CONS. NO 049
COUNTRY 18
INSTITUTE 22

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

YEAR 1969
MONTH 08
DAY 29
TIME 0947

NO. DEPTHS 15
SOUNDING 0490
BT SLIDE NO 049

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			22.50					
1.0			22.40	0.000	0.1	307	8.500	91.7
4.0			22.40	0.007	0.2	308		
7.0			22.41	0.001	0.2	308		
10.0			22.40	0.014	0.1	308		
13.0			22.40	0.010	0.1	311		
16.0			22.31	0.008	0.2	314		
19.0			22.17	0.011	0.2	314		
22.0			18.53	0.005	0.2	319		
25.0			14.48	0.035	0.3	321		
28.0			10.40	0.014	0.5	320		
31.0			9.68	0.001	1.0	324		
37.0			6.57	0.006	1.0	319		
43.0			5.95	0.019	0.8	324		
47.0			5.87	0.004	1.5	322	7.600	95.5

DEPTH	O2 W	T CO2
0.0		
1.0	8.74	
4.0	8.74	
7.0	8.74	
10.0	8.74	
13.0	8.73	
16.0	8.68	
19.0	8.45	
22.0	6.93	
25.0	6.42	
28.0	7.07	
31.0	7.42	
37.0	8.65	
43.0	8.71	
47.0	8.96	

C-REF-NO 107
 CONS. NO 050
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 29
 TIME 1057

NO. DEPTHS 18
 SOUNDING 0640
 BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			22.10					
1.0			21.99	0.008	0.1	313	8.420	91.9
4.0			22.00	0.009	0.1	312		
7.0			22.00	0.003	0.1	311		
10.0			22.00	0.009	0.1	310		
13.0			22.01	0.010	0.1	310		
16.0			22.00	0.004	0.1	311		
19.0			21.98	0.001	0.1	313		
22.0			15.87	0.037	0.1	322		
25.0			12.24	0.014	0.2	322	7.620	96.6
28.0			10.56	0.027	0.2	324		
31.0			7.85	0.019	0.3	329		
37.0			5.65	0.017	0.3	324		
43.0			5.06	0.006	0.7	326		
49.0			5.00	0.016	1.5	327	7.710	
55.0			5.01	0.004	2.3	326	7.710	
61.0			5.01		1.0	326	7.700	
63.0			5.00	0.016	1.3	329	7.780	95.5

DEPTH	O2 W	T CO2
0.0		
1.0	8.79	1801
4.0	8.81	
7.0	8.78	
10.0	8.78	
13.0	8.76	
16.0	8.70	
19.0	8.71	
22.0	6.33	
25.0	7.07	1951
28.0	7.09	
31.0	7.92	
37.0	9.91	
43.0	9.41	
49.0	9.33	1974
55.0	9.34	
61.0	9.30	
63.0	9.33	1943

C-REF-NO 107
CONS. NO 051
COUNTRY 18
INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 29
 TIME 1218

NO. DEPTHS 15
 SOUNDING 0480
 BT SLIDE NO 051

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	6.0	8	22.20					
1.0			22.09	0.008	0.1	313	8.400	92.1
4.0			22.10	0.014	0.1	314		
7.0			22.10	0.001	0.2	314		
10.0			22.10	0.007	0.1	314		
13.0			22.09	0.009	0.1	313		
16.0			18.25	0.004	0.1	319		
19.0			13.79	0.009	0.2	324		
22.0			10.86	0.006	0.3	326		
25.0			9.16	0.024	0.2	324	7.630	
28.0			6.83	0.012	0.3	326		
31.0			5.95	0.000	0.5	326	7.600	
37.0			5.33	0.005	0.5	331	7.630	
43.0			5.19	0.026	0.7	329	7.580	
46.0			5.20	0.013	0.8	329	7.500	93.4

DEPTH	O2 W	T CO2
0.0		
1.0	8.78	
4.0	8.81	
7.0	8.79	
10.0	8.82	
13.0	8.81	
16.0	7.47	
19.0	6.93	
22.0	7.92	
25.0	8.39	
28.0	9.24	
31.0	9.53	
37.0	9.47	
43.0	9.34	
46.0	9.33	1979

C-REF-NO 107
CONS. NO 052

COUNTRY 18
INSTITUTE 22

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

YEAR 1969
MONTH 08
DAY 29
TIME 1350

NO. DEPTHS 06
SOUNDING 0150
BT SLIDE NO 052

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.0	10	21.90					
1.0			21.78	0.005	0.2	317	8.430	93.0
4.0			21.79	0.002	0.2	317		
7.0			21.71	0.009	0.2	318		
10.0			21.63	0.024	0.3	319		
13.0			17.39	0.004	1.2	329	7.720	70.2

DEPTH	O2 W	T CO2
0.0		
1.0	8.39	
4.0	8.64	
7.0	8.62	
10.0	8.53	
13.0	4.65	

C-REF-NO	107
CONS. NO	053
COUNTRY	18
INSTITUTE	22

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

YEAR 1969
MONTH 08
DAY 29
TIME 1532

NO. DEPTHS 12
SOUNDING 0330
BT SLIDE NO 053

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	5.0	10	22.70					
1.0			22.65	0.030	0.1	313	8.570	89.6
4.0			22.65	0.011	0.1	314		
7.0			22.62	0.011	0.1	313		
10.0			22.59	0.008	0.1	311		
13.0			22.58	0.015	0.1	314		
16.0			22.54	0.005	0.1	314		
19.0			21.43	0.063	0.1	316		
22.0			14.45	0.003	0.1	324		
25.0			10.20	0.029	0.1	327		
28.0			7.80	0.026	1.5	331	7.700	
33.0			7.71	0.026	1.9	330	7.620	95.3

DEPTH	O2 W	T CO2
0.0		
1.0	8.75	
4.0	8.76	
7.0	8.76	
10.0	8.76	
13.0	8.70	
16.0	8.65	
19.0	8.12	
22.0	6.34	
25.0	6.30	
28.0	6.44	
33.0	7.24	

C-REF-NO 107
 CONS. NO 054
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 29
 TIME 1722

NO. DEPTHS 14
 SOUNDING 0440
 BT SLIDE NO 054

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	5.0	10	22.90					
1.0			22.81	0.015	0.1	314	8.530	89.0
4.0			22.83	0.010	0.1	314		
7.0			22.79	0.005	0.1	314		
10.0			22.76	0.005	0.2	314		
13.0			22.73	0.001	0.2	315		
16.0			22.69	0.008	0.1	315		
19.0			22.68	0.008	0.1	315		
22.0			22.25	0.027	0.1	316		
25.0			13.13	0.010	0.1	325		
28.0			9.35	0.034	0.2	326		
31.0			7.12	0.007	0.4	327		
37.0			5.73	0.003	1.0	330		
43.0			5.69	0.033	1.0	328	7.600	89.6

DEPTH	O2 W	T CO2
0.0		
1.0	8.65	
4.0	8.72	
7.0	8.69	
10.0	8.62	
13.0	8.69	
16.0	8.72	
19.0	8.59	
22.0	8.38	
25.0	6.25	
28.0	8.39	
31.0	9.24	
37.0	9.07	
43.0	9.04	

C-REF-NO 107
CONS. NO 055
COUNTRY 18
INSTITUTE 22

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

YEAR 1969
MONTH 08
DAY 29
TIME 1833

NO. DEPTHS 09
SOUNDING 0210
BT SLIDE NO 055

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	5.0	10	23.40					
1.0			23.28	0.011	0.1	315	8.700	92.1
4.0			23.29	0.008	0.1	316		
7.0			23.20	0.001	0.1	316		
10.0			23.08	0.000	0.1	315		
13.0			22.80	0.002	0.1	315		
16.0			22.70	0.007	0.1	316		
19.0			21.90	0.001	0.2	316		
20.0			21.77	0.003	0.2	316	8.460	94.9

DEPTH	O2 W	T CO2
0.0		
1.0	8.90	
4.0	8.90	
7.0	8.86	
10.0	8.90	
13.0	8.81	
16.0	8.78	
19.0	8.13	
20.0	8.09	

C-REF-NO 107
 CONS. NO 056
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 29
 TIME 2034

NO. DEPTHS 08
 SOUNDING 0200
 BT SLIDE NO 056

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	5.0	9	23.10					
1.0			22.88	0.003	0.2	315		95.9
4.0			22.89	0.006	0.2	316		
7.0			22.87	0.008	0.2	316		
10.0			22.73	0.009	0.2	317		
13.0			22.63	0.006	0.2	318		
16.0			22.58	0.011	0.2	318		
19.0			21.60	0.012	0.2	317		75.5

DEPTH	O2 W	T CO2
0.0		
1.0	8.68	
4.0	8.68	
7.0	8.67	
10.0	8.67	
13.0	8.62	
16.0	8.60	
19.0	8.25	

C-REF-NO 107
 CONS. NO 057
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 29
 TIME 2139

NO. DEPTHS 10
 SOUNDING 0270
 BT SLIDE NO 057

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.0	11	22.80					
1.0			22.74	0.026	0.2	315		93.2
4.0			22.79	0.011	0.2	312		
7.0			22.76	0.028	0.1	319		
10.0			22.74	0.010	0.1	318		
13.0			22.65	0.022	0.2	316		
16.0			22.47	0.011	0.2	316		
19.0			22.37	0.009	0.2	313		
22.0			22.36	0.008	0.1	316		
25.0			8.62	0.065	0.6	322		74.4

DEPTH	O2 W	T CO2
0.0		
1.0	8.67	
4.0	8.74	
7.0	8.74	
10.0	8.74	
13.0	8.71	
16.0	8.65	
19.0	8.60	
22.0	8.51	
25.0	7.49	

C-REF-NO 107
 CONS. NO 058
 COUNTRY 18
 INSTITUTE 22

LAT 42-44-36N
 LON 079-27-36W

YEAR 1969
 MONTH 08
 DAY 29
 TIME 2240

NO. DEPTHS 07
 SOUNDING 0180
 BT SLIDE NO 058

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	5.5	9	22.60					
1.0			22.56	0.012	0.2	318		95.1
4.0			22.56	0.010	0.1	321		
7.0			22.48	0.000	0.1	317		
10.0			22.35	0.027	0.1	318		
13.0			22.20	0.004	0.2	318		
16.0			22.18	0.013	0.2	315		96.8

DEPTH	O2 W	T CO2
0.0		
1.0	8.91	
4.0	8.90	
7.0	8.90	
10.0	8.87	
13.0	8.68	
16.0	8.65	

C-REF-NO 107
 CONS. NO 059
 COUNTRY 18
 INSTITUTE 22

LAT 42-47-24N
 LON 079-12-36W

YEAR 1969
 MONTH 08
 DAY 30
 TIME 0015

NO. DEPTHS 08
 SOUNDING 0190
 BT SLIDE NO 059

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			22.60					
1.0			22.51	0.018	0.2	317		94.5
4.0			22.51	0.017	0.2	318		
7.0			22.52	0.016	0.2	317		
10.0			22.51	0.004	0.2	317		
13.0			22.39	0.001	0.1	316		
16.0			21.88	0.009	0.3	319		
18.0			19.53	0.008	0.2	325		87.5

DEPTH	O2 W	T CO2
0.0		
1.0	8.71	
4.0	8.65	
7.0	8.64	
10.0	8.64	
13.0	8.53	
16.0	7.53	
18.0	2.03	

CRUISE 69 - 108, September 13 - 18

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

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

YEAR 1969
 MONTH 09
 DAY 13
 TIME 2256

NO. DEPTHS 06
 SOUNDING 0200
 BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	10	21.20					
1.0			21.02	0.08	1.0	325	8.35	0.047
5.0			21.02	0.05	1.1	325	8.33	0.053
10.0			21.01	0.01	1.0	326	8.32	0.070
15.0			21.01	0.05	1.0	325	8.30	0.048
18.0			21.01	0.00	1.3	326	8.30	0.045

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					
1.0	0.006	0.047	0.047	0.335	
5.0	0.004	0.041	0.041	0.250	
10.0	0.004	0.025	0.018	0.260	
15.0	0.004	0.030	0.018	0.238	
18.0	0.003	0.020	0.012	0.238	

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

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

YEAR 1969
 MONTH 09
 DAY 14
 TIME 0046

NO. DEPTHS 05
 SOUNDING 0140
 BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.20					
1.0			21.01	0.02	2.3	325	8.41	
5.0			21.01	0.03	1.3	324	8.41	
10.0			21.00	0.00	1.5	322	8.40	
12.0			21.01	0.11	1.6	325	8.41	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					
1.0					
5.0					
10.0					
12.0					

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

LAT 42-46-42N
 LON 078-56-24W

YEAR 1969
 MONTH 09
 DAY 14
 TIME 0127

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.90					
1.0			20.90	0.11	2.5	323	8.43	0.061
5.0			20.90	0.05	2.5	323	8.44	0.062
10.0			20.89	0.09	2.8	323	8.43	0.056

DEPTH	SR P04	NH3	TFN03	R SID2	CHLORA
0.0					
1.0	0.006	0.025	0.018	0.265	
5.0	0.007	0.042	0.021	0.230	
10.0	0.008	0.038	0.018	0.230	

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

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

YEAR 1969
 MONTH 09
 DAY 14
 TIME 0314

NO. DEPTHS 05
 SOUNDING 0180
 BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.40					
1.0			21.34	0.10	0.4	319	8.46	
5.0			21.35	0.05	0.4	320	8.55	
10.0			21.35	0.03	0.5	319	8.55	
16.0			21.34	0.01	0.8	319	8.52	

DEPTH	SR P04	NH3	TFN03	R SID2	CHLORA
0.0					
1.0					
5.0					
10.0					
16.0					

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

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

YEAR 1969
 MONTH 09
 DAY 14
 TIME 0444

NO. DEPTHS 05
 SOUNDING 0180
 BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.40					
1.0			21.34	0.01	0.3	323	8.52	0.043
5.0			21.37	0.09	0.4	322	8.71	0.045
10.0			21.35	0.03	0.5	320	8.46	0.040
16.0			21.34	0.12	0.6	321	8.51	0.042

DEPTH	SR P04	NH3	TFNO3	R SID2	CHLORA
0.0					
1.0	0.006	0.040	0.025	0.214	
5.0	0.005	0.040	0.020	0.190	
10.0	0.004	0.024	0.007	0.180	
16.0	0.003	0.025	0.010	0.180	

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

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

YEAR 1969
 MONTH 09
 DAY 14
 TIME 0555

NO. DEPTHS 06
 SOUNDING 0250
 BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.30					
1.0			20.84	0.51	0.2	426	8.52	0.038
5.0			21.15	0.03	0.2	410	8.55	0.037
10.0			21.13	0.01	0.2	415	8.46	0.038
15.0			21.14	0.05	0.2	416	8.29	0.040
23.0			20.35	0.47	0.2	417	8.41	0.037

DEPTH	SR P04	NH3	TFNO3	R SID2	CHLORA
0.0					
1.0	0.002	0.024	0.012	0.175	
5.0	0.002	0.025	0.012	0.150	
10.0	0.001	0.030	0.012	0.145	
15.0	0.002	0.020	0.010	0.145	
23.0	0.001	0.017	0.010	0.145	

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

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

YEAR 1969
 MONTH 09
 DAY 14
 TIME 0710

NO. DEPTHS 06
 SOUNDING 0240
 BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.80					
1.0			20.72	0.15	0.2	417	8.47	0.036
5.0			20.71	0.11	0.2	422	8.60	0.035
10.0			20.70	0.08	0.2	382	8.52	0.051
15.0			20.68	0.04	0.3	416	8.51	0.040
22.0			20.67	0.01	0.3	417	8.43	0.040

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					
1.0	0.003	0.027	0.015	0.200	
5.0	0.003	0.034	0.018	0.180	
10.0	0.002	0.020	0.018	0.175	
15.0	0.002	0.027	0.013	0.175	
22.0	0.004	0.025	0.013	0.190	

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

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

YEAR 1969
 MONTH 09
 DAY 14
 TIME 0823

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.20					
1.0			20.11	0.03	0.2	323	8.45	0.038
5.0			20.10	0.02	0.2	322	8.42	0.035
10.0			19.79	0.05	0.5	323	8.36	0.040

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					
1.0	0.001	0.037	0.031	0.275	
5.0	0.001	0.035	0.025	0.240	
10.0	0.000	0.027	0.025	0.295	

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

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

YEAR 1969
 MONTH 09
 DAY 14
 TIME 0957

NO. DEPTHS 05
 SOUNDING 0150
 BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.20					
1.0			20.11	0.10	0.2	323	8.25	
5.0			20.09	0.06	0.2	323	8.24	
10.0			19.78	0.01	0.2	323	8.19	
13.0			19.62	0.05	0.2	324	8.16	

DEPTH	SR P04	NH3	TFN03	R SI02	CHLORA
0.0					
1.0					
5.0					
10.0					
13.0					

C-REF-NO 108
 CONS. NO 01C
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 09
 DAY 14
 TIME 1109

NO. DEPTHS 06
 SOUNDING 0310
 BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.10					
1.0			20.98	0.07	0.1	321	8.36	
5.0			20.98	0.01	0.1	321	8.36	
10.0			20.97	0.02	0.1	322	8.36	
20.0			20.97	0.07	0.1	320	8.33	
29.0			12.76	0.39	0.6	328	5.41	

DEPTH	SR P04	NH3	TFN03	R SI02	CHLORA
0.0					
1.0					
5.0					
10.0					
20.0					
29.0					

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

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

YEAR 1969
 MONTH 09
 DAY 14
 TIME 1243

NO. DEPTHS 06
 SOUNDING 0450
 BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	5.5	11	21.30					
1.0			21.23	0.06	0.1	319	8.46	
10.0			21.22	0.07	0.2	322	8.44	
20.0			21.21	0.03	0.2	318	8.43	
35.0			7.95	0.08	0.4	327	8.18	
43.0			5.89	0.65	0.9	327	8.21	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					4.3
1.0					
10.0					
20.0					
35.0					
43.0					

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

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

YEAR 1969
 MONTH 09
 DAY 14
 TIME 1353

NO. DEPTHS 06
 SOUNDING 0200
 BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	5.0	11	21.30					
1.0			21.28	0.09	0.2	319	8.43	
5.0			21.29	0.07	0.2	320	8.38	
10.0			21.26	0.03	0.2	319	8.36	
15.0			21.25	0.05	0.2	320	8.36	
18.0			21.26	0.06	0.3	319	8.36	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					4.2
1.0					
5.0					
10.0					
15.0					
18.0					

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

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

YEAR 1969
 MONTH 09
 DAY 14
 TIME 1516

NO. DEPTHS 05
 SOUNDING 0180
 BT SLIDE NO 018

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	5.5	10	21.30					
1.0			21.24	0.08	0.1	329	8.65	0.038
5.0			21.25	0.06	0.2	321	8.60	0.035
10.0			21.11	0.02	0.2	320	8.54	0.036
16.0			21.10	0.08	0.2	320	8.47	0.038

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					5.1
1.0	C.003	0.028	0.012	0.187	
5.0	C.009	0.039	0.010	0.150	
10.0	C.002	0.023	0.007	0.137	
16.0	C.003	0.027	0.007	0.137	

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

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

YEAR 1969
 MONTH 09
 DAY 14
 TIME 1636

NO. DEPTHS 06
 SOUNDING 0470
 BT SLIDE NO 020

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.8	10	19.60					
1.0			19.36	0.13	0.4	326	8.91	
5.0			19.39	0.12	0.4	321	8.91	
10.0			18.68	0.08	0.7	319	8.68	
25.0			7.42	0.28	0.3	332	8.16	
45.0			5.32	0.08	0.7	335	8.40	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					3.5
1.0					
5.0					
10.0					
25.0					
45.0					

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

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

YEAR 1969
 MONTH 09
 DAY 14
 TIME 1739

NO. DEPTHS 06
 SOUNDING 0620
 BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.8	10	20.00					
1.0			20.18	0.07	0.2	336	8.69	0.030
5.0			17.87	0.08	0.4	323	8.55	0.043
10.0			16.70	0.05	0.5	323	8.05	0.037
25.0			7.91	0.11	0.4	340	7.88	0.035
60.0			5.36	0.20	0.9	339	8.40	0.045

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					2.9
1.0	C.002	0.030	0.050	0.312	
5.0	C.002	0.030	0.062	0.345	
10.0	C.002	0.022	0.060	0.345	
25.0	C.003	0.020	0.175	0.345	
60.0	C.015	0.023	0.200	0.562	

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

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

YEAR 1969
 MONTH 09
 DAY 14
 TIME 1850

NO. DEPTHS 06
 SOUNDING 0460
 BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	10	20.40					
1.0			20.20	0.17	0.3	325	8.74	
5.0			19.91	0.00	0.4	321	8.66	
10.0			19.26	0.12	0.4	322	8.40	
25.0			18.60	0.04	0.5	324	8.01	
44.0			6.87	0.14	2.0	343	7.15	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					3.7
1.0					
5.0					
10.0					
25.0					
44.0					

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

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

YEAR 1969
 MONTH 09
 DAY 14
 TIME 2000

NO. DEPTHS 04
 SOUNDING 0130
 BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	10	21.50					
1.0			21.30	0.08	0.1	316	8.78	0.035
5.0			21.11	0.04	0.2	318	8.78	0.040
11.0			19.39	0.08	0.4	323	7.83	0.038

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					4.1
1.0	0.002	0.034	0.037	0.212	
5.0	0.002	0.034	0.025	0.180	
11.0	0.001	0.025	0.031	0.287	

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

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

YEAR 1969
 MONTH 09
 DAY 14
 TIME 2121

NO. DEPTHS 03
 SOUNDING 0070
 BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	10	18.90					
1.0			18.71	0.06	0.6	325	9.03	
5.0			18.03	0.10	0.8	325	8.81	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					5.7
1.0					
5.0					

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

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

YEAR 1969
 MONTH 09
 DAY 14
 TIME 2335

NO. DEPTHS 06
 SOUNDING 0220
 BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.00					
1.0			20.82	0.24	0.1	318	8.98	
5.0			18.33	0.11	5.0	323	8.16	
10.0			17.04	0.14	8.8	325	7.76	
15.0			15.71	0.02	36.0	326	7.82	
20.0			13.21	0.40	1.5	328	7.13	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					5.8
1.0					
5.0					
10.0					
15.0					
20.0					

C-REF-NO 108
 CONS. NO 02C
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 09
 DAY 15
 TIME 0053

NO. DEPTHS 06
 SOUNDING 0350
 BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.70					
1.0			20.63	0.01	0.2	317	8.51	
10.0			20.39	0.05	0.2	317	8.41	
20.0			20.30	0.05	0.2	317	8.30	
25.0			13.60	0.38	0.1	327	5.99	
33.0			7.21	0.75	0.9	331	7.71	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					4.1
1.0					
10.0					
20.0					
25.0					
33.0					

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

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

YEAR 1969
 MONTH 09
 DAY 15
 TIME 0213

NO. DEPTHS 05
 SOUNDING 0150
 BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.90					
1.0			21.61	0.01	0.8	327	8.77	
5.0			21.41	0.06	0.6	322	8.41	
10.0			21.18	0.19	0.5	322	8.24	
13.0			21.12	0.04	1.0	321	8.23	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					10.4
1.0					
5.0					
10.0					
13.0					

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

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

YEAR 1969
 MONTH 09
 DAY 15
 TIME 0341

NO. DEPTHS 04
 SOUNDING 0090
 BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.30					
1.0			21.41	0.01	0.4	321	8.86	0.043
5.0			21.42	0.02	0.3	320	8.89	0.041
7.0			21.01	0.03	0.4	319	8.85	0.045

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					5.8
1.0	0.003	0.022	0.007	0.275	
5.0	0.002	0.024	0.004	0.245	
7.0	0.001	0.023	0.004	0.242	

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

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

YEAR 1969
 MONTH 09
 DAY 15
 TIME 0506

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.20					
1.0			21.12	0.00	0.2	318	8.80	0.031
5.0			21.15	0.03	0.2	323	8.75	0.032
10.0			21.00	0.09	0.3	312	8.47	0.035

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					4.8
1.0	0.000	0.026	0.025	0.220	
5.0	0.000	0.025	0.015	0.205	
10.0	0.000	0.015	0.010	0.180	

C-REF-NO 108
 CONS. NO 024
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 09
 DAY 15
 TIME 0630

NO. DEPTHS 05
 SOUNDING 0140
 BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.60					
1.0			20.57	0.24	0.3	320	8.49	0.043
5.0			20.56	0.14	0.3	316	8.55	0.040
10.0			20.53	0.09	0.4	313	8.50	0.036
12.0			20.52	0.04	0.5	313	8.41	0.043

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					7.0
1.0	0.000	0.020	0.023	0.380	
5.0	0.000	0.019	0.023	0.345	
10.0	0.000	0.020	0.024	0.330	
12.0	0.000	0.015	0.018	0.327	

C-REF-NO 108
 CONS. NO C25
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 09
 DAY 15
 TIME 0721

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.30					
1.0			20.26	0.35	5.5	312	7.78	0.052
5.0			20.31	0.09	5.3	319	7.79	0.050
10.0			14.18	0.32	3.5	327	6.84	0.050

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					5.0
1.0	0.001	0.030	0.031	0.558	
5.0	0.002	0.027	0.028	0.500	
10.0	0.003	0.025	0.047	0.537	

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

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

YEAR 1969
 MONTH 09
 DAY 15
 TIME 0901

NO. DEPTHS 05
 SOUNDING 0150
 BT SLIDE NO 035

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.10					
1.0			19.99	0.01	0.5	309	7.57	
5.0			20.00	0.10	0.6	309	7.55	
10.0			19.97	0.07	0.7	273	7.49	
13.0			19.85	0.03	0.8	275	7.26	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					8.0
1.0					
5.0					
10.0					
13.0					

C-REF-NO 108
 CONS. NO C27
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 09
 DAY 15
 TIME 1024

NO. DEPTHS 06
 SOUNDING 0200
 BT SLIDE NO 036

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.90					
1.0			20.80	0.14	0.2	313	8.25	
5.0			20.82	0.06	0.2	315	8.22	
10.0			20.75	0.01	0.3	316	8.24	
15.0			20.74	0.04	0.2	315	8.19	
18.0			20.70	0.03	0.2	315	8.16	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					5.2
1.0					
5.0					
10.0					
15.0					
18.0					

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

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

YEAR 1969
 MONTH 09
 DAY 15
 TIME 1150

NO. DEPTHS 06
 SOUNDING 0220
 BT SLIDE NO 037

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	10	21.20					
1.0			21.12	0.23	0.2	317	8.44	
5.0			21.13	0.04	0.1	317	8.41	
10.0			21.12	0.07	0.2	318	8.41	
15.0			21.11	0.03	0.2	318	8.40	
20.0			21.04	0.06	0.2	318	8.35	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					3.5
1.0					
5.0					
10.0					
15.0					
20.0					

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

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

YEAR 1969
 MONTH 09
 DAY 15
 TIME 1316

NO. DEPTHS 05
 SOUNDING 0140
 BT SLIDE NO 038

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0	3.0	11	21.30					
1.0			21.25	0.00	0.3	317	8.52	
5.0			21.26	0.11	0.3	317	8.47	
10.0			21.24	0.09	0.3	317	8.46	
12.0			21.24	0.12	0.3	318	8.47	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
0.0					5.3
1.0					
5.0					
10.0					
12.0					

C-REF-NO 108
 CONS. NO C3C
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 09
 DAY 15
 TIME 1442

NO. DEPTHS 05
 SOUNDING 0150
 BT SLIDE NO 039

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0	4.0	11	21.50					
1.0			21.34	0.09	0.3	317	8.71	0.050
5.0			21.32	0.02	0.3	318	8.55	0.057
10.0			21.31	0.12	0.3	318	8.41	0.055
13.0			21.30	0.03	0.4	318	8.40	0.052

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
0.0					6.3
1.0	0.008	0.027	0.012	0.340	
5.0	0.008	0.024	0.008	0.340	
10.0	0.009	0.030	0.010	0.340	
13.0	0.020	0.044	0.010	0.366	

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

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

YEAR 1969
 MONTH 09
 DAY 15
 TIME 1615

NO. DEPTHS 06
 SOUNDING 0200
 BT SLIDE NO 040

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.5	11	21.30					
1.0			21.22	0.02	0.3	303	8.63	0.035
5.0			21.21	0.01	0.2	283	8.61	0.035
10.0			21.18	0.13	0.2	310	8.57	0.040
15.0			21.14	0.10	0.2	313	8.55	0.037
18.0			21.14	0.09	0.3	312	8.52	0.038

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					5.2
1.0	C.003	0.032	0.012	0.200	
5.0	C.002	0.035	0.012	0.210	
10.0	C.001	0.028	0.020	0.200	
15.0	C.001	0.021	0.006	0.200	
18.0	C.001	0.022	0.006	0.200	

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

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

YEAR 1969
 MONTH 09
 DAY 15
 TIME 1750

NO. DEPTHS 05
 SOUNDING 0200
 BT SLIDE NO 042

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.3	11	21.20					
1.0			21.09	0.07	0.3	294	8.55	
5.0			21.10	0.09	0.4	313	8.47	
10.0			21.04	0.05	0.6	314	8.46	
18.0			20.93	0.13	0.5	314	8.35	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					5.2
1.0					
5.0					
10.0					
18.0					

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

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

YEAR 1969
 MONTH 09
 DAY 15
 TIME 1919

NO. DEPTHS 05
 SOUNDING 0180
 BT SLIDE NO 043

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.2	11	21.00					
1.0			20.85	0.05	0.7	294	8.24	0.053
5.0			20.87	0.07	0.6	306	8.22	0.047
10.0			20.78	0.03	0.6	308	8.07	0.050
16.0			20.67	0.12	0.7	307	7.97	0.049

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					7.6
1.0	0.003	0.031	0.014	0.370	
5.0	0.003	0.032	0.013	0.375	
10.0	0.002	0.026	0.006	0.370	
16.0	0.003	0.029	0.010	0.375	

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

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

YEAR 1969
 MONTH 09
 DAY 15
 TIME 2031

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			19.80					
1.0			19.66	0.06	1.7	315	7.69	0.052
5.0			19.67	0.07	1.8	316	7.61	0.050
10.0			19.64	0.08	1.6	316	7.57	0.052

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					10.1
1.0	0.005	0.043	0.044	0.700	
5.0	0.003	0.050	0.037	0.700	
10.0	0.003	0.037	0.018	0.700	

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

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

YEAR 1969
 MONTH 09
 DAY 15
 TIME 2201

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 045

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	10	20.70					
1.0			20.50	0.15	0.3	286	8.24	
5.0			20.51	0.15	0.4	301	8.21	
10.0			20.24	0.08	0.4	302	8.00	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					9.4
1.0					
5.0					
10.0					

C-REF-NO 108
 CONS. NO 036
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 09
 DAY 15
 TIME 2318

NO. DEPTHS 06
 SOUNDING 0210
 BT SLIDE NO 046

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	10	21.20					
1.0			21.08	0.07	0.3	304	8.41	
5.0			21.10	0.07	0.4	306	8.40	
10.0			21.08	0.04	0.5	307	8.33	
15.0			21.03	0.00	0.4	307	8.29	
19.0			19.82	0.22	0.5	311	6.38	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					9.6
1.0					
5.0					
10.0					
15.0					
19.0					

C-REF-NO 108
 CONS. NO 037
 COUNTRY 18
 INSTITUTE 22

LAT 42-15-12N
 LON 081-06-24W
 YEAR 1969
 MONTH 09
 DAY 16
 TIME 0033

NO. DEPTHS 06
 SOUNDING 0220
 BT SLIDE NO 047

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.60					
1.0			21.49	0.15	0.2	315	8.60	
5.0			21.50	0.04	0.2	314	8.60	
10.0			21.49	0.00	0.2	314	8.60	
15.0			21.47	0.14	0.2	315	8.58	
20.0			21.04	0.34	0.1	315	8.50	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					4.2
1.0					
5.0					
10.0					
15.0					
20.0					

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

LAT 42-04-54N
 LON 081-00-42W
 YEAR 1969
 MONTH 09
 DAY 16
 TIME 0158

NO. DEPTHS 06
 SOUNDING 0220
 BT SLIDE NO 048

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.60					
1.0			21.51	0.11	0.2	312	8.46	
5.0			21.51	0.09	0.2	312	8.47	
10.0			21.51	0.03	0.2	312	8.44	
15.0			21.51	0.02	0.2	312	8.44	
20.0			21.50	0.10	0.2	313	8.38	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					5.9
1.0					
5.0					
10.0					
15.0					
20.0					

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

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

YEAR 1969
 MONTH 09
 DAY 16
 TIME 0322

NO. DEPTHS 05
 SOUNDING 0160
 BT SLIDE NO 049

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.60					
1.0			21.60	0.04	0.2	274	8.80	
5.0			21.62	0.05	0.2	319	8.79	
10.0			21.60	0.11	0.3	321	8.58	
14.0			21.32	0.03	0.7	343	8.71	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					6.8
1.0					
5.0					
10.0					
14.0					

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

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

YEAR 1969
 MONTH 09
 DAY 16
 TIME 0444

NO. DEPTHS 04
 SOUNDING 0130
 BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.60					
1.0			21.62	0.02	0.6	322	8.94	
5.0			21.63	0.05	0.5	339	8.94	
11.0			21.51	0.06	0.5	337	8.72	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					12.5
1.0					
5.0					
11.0					

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

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

YEAR 1969
 MONTH 09
 DAY 16
 TIME 0608

NO. DEPTHS 05
 SOUNDING 0210
 BT SLIDE NO 052

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.60					
1.0			21.53	0.10	0.2	287	8.16	
5.0			21.53	0.01	0.4	306	8.32	
10.0			21.52	0.10	0.5	305	8.58	
19.0			21.43	0.06	0.3	313	8.26	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					8.7
1.0					
5.0					
10.0					
19.0					

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

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

YEAR 1969
 MONTH 09
 DAY 16
 TIME 0732

NO. DEPTHS 05
 SOUNDING 0210
 BT SLIDE NO 054

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.50					
1.0			21.38	0.05	0.4	276	8.61	
5.0			21.39	0.04	0.3	300	8.58	
10.0			21.37	0.08	0.4	302	8.59	
19.0			21.15	0.01	0.4	304	8.21	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					12.8
1.0					
5.0					
10.0					
19.0					

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

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

YEAR 1969
 MONTH 09
 DAY 16
 TIME 0859

NO. DEPTHS 06
 SOUNDING 0220
 BT SLIDE NO 055

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.80					
1.0			20.86	0.04	0.3	309	7.83	
5.0			20.87	0.01	0.4	307	7.77	
10.0			20.73	0.00	0.4	307	7.66	
15.0			19.92	0.18	0.4	305	7.49	
20.0			13.57	0.17	0.3	323	0.40	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					7.0
1.0					
5.0					
10.0					
15.0					
20.0					

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

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

YEAR 1969
 MONTH 09
 DAY 16
 TIME 1018

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 056

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			18.50					
1.0			18.36	0.00	1.0	312	6.53	
5.0			18.18	0.19	1.7	317	6.14	
10.0			15.10	0.00	1.0	323	0.22	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					7.5
1.0					
5.0					
10.0					

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

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

YEAR 1969
 MONTH 09
 DAY 16
 TIME 1141

NO. DEPTHS 05
 SOUNDING 0140
 BT SLIDE NO 057

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.20					
1.0			20.13	0.03	0.2	303	7.75	0.044
5.0			20.13	0.01	0.2	303	7.75	0.150
10.0			13.65	0.09	0.2	326	0.39	0.054
12.0			13.64	0.09	0.1	326	0.39	

DEPTH	SR P04	NH3	TFNO3	R SI02	CHLORA
0.0					8.4
1.0	0.012	0.035	1.300	0.620	
5.0	0.012	0.030	0.030	0.600	
10.0	0.008	0.041	0.050	0.630	
12.0	0.075	0.100	0.120	1.800	

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

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

YEAR 1969
 MONTH 09
 DAY 16
 TIME 1243

NO. DEPTHS 06
 SOUNDING 0220
 BT SLIDE NO 058

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	4.0	11	20.00					
1.0			19.87	0.00	0.3	305	7.92	0.061
5.0			19.88	0.01	0.4	306	7.90	0.062
10.0			17.53	0.03	0.4	313	5.27	0.066
15.0			12.88	0.00	0.2	325	0.25	0.135
20.0			12.49	0.31	0.2	325	0.28	0.200

DEPTH	SR P04	NH3	TFNO3	R SI02	CHLORA
0.0					8.9
1.0	0.013	0.045	0.030	0.700	
5.0	0.014	0.050	0.030	0.670	
10.0	0.012	0.035	0.030	0.670	
15.0	0.060	0.075	0.170	2.000	
20.0	0.120	0.125	0.110	2.200	

C-REF-NO 108
 CONS. NO 047
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 09
 DAY 16
 TIME 1413

NO. DEPTHS 06
 SOUNDING 0250
 BT SLIDE NO 060

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	4.0	10	21.30					
1.0			21.29	0.12	0.4	262	8.32	
5.0			21.30	0.07	0.6	300	8.21	
15.0			21.28	0.00	0.6	305	8.31	
20.0			21.04	0.02	0.4	304	8.05	
23.0			13.52	0.27	1.5	326	0.20	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					12.1
1.0					
5.0					
15.0					
20.0					
23.0					

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

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

YEAR 1969
 MONTH 09
 DAY 16
 TIME 1538

NO. DEPTHS 06
 SOUNDING 0240
 BT SLIDE NO 061

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	4.0	10	21.60					
1.0			21.51	0.03	0.3	285	8.16	0.056
5.0			21.52	0.05	0.2	320	8.16	0.065
10.0			21.52	0.06	0.2	320	8.37	0.063
20.0			21.51	0.09	0.3	318	8.24	0.065
22.0			18.98	0.47	0.3	323	7.43	0.065

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					5.6
1.0	0.012	0.025	0.010	0.380	
5.0	0.010	0.030	0.010	0.400	
10.0	0.011	0.055	0.020	0.330	
20.0	0.011	0.065	0.020	0.410	
22.0	0.010	0.025	0.010	0.330	

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

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

YEAR 1969
 MONTH 09
 DAY 16
 TIME 1702

NO. DEPTHS 05
 SOUNDING 0140
 BT SLIDE NO 062

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.0	11	21.90					
1.0			21.85	0.10	0.7	310	8.66	0.125
5.0			21.82	0.15	0.7	329	8.65	0.125
10.0			21.85	0.10	0.7	332	8.57	0.115
12.0			21.83	0.04	0.6	333	8.55	0.110

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					15.2
1.0	C.026	0.048	0.040	0.100	
5.0	C.030	0.049	0.040	0.180	
10.0	C.030	0.047	0.040	0.100	
12.0	C.028	0.042	0.040	0.170	

C-REF-NO 108
 CONS. NO 05C
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 09
 DAY 16
 TIME 1833

NO. DEPTHS 06
 SOUNDING 0200
 BT SLIDE NO 064

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.0	10	21.70					
1.0			21.63	0.05	0.5	323	8.18	
5.0			21.63	0.03	0.6	321	8.15	
10.0			21.62	0.01	0.5	317	8.10	
15.0			21.64	0.06	0.5	321	8.23	
18.0			21.62	0.07	0.6	322	8.55	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					6.8
1.0					
5.0					
10.0					
15.0					
18.0					

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

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

YEAR 1969
 MONTH 09
 DAY 16
 TIME 1926

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 065

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.0	11	22.10					
1.0			22.02	0.10	0.6	326	9.06	
5.0			22.03	0.07	0.7	326	8.84	
10.0			22.00	0.16	0.8	325	8.52	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					13.5
1.0					
5.0					
10.0					

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

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

YEAR 1969
 MONTH 09
 DAY 16
 TIME 1955

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 066

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	1.0	11	22.20					
1.0			22.04	0.08	1.2	346	8.55	
5.0			22.05	0.05	1.2	350	8.73	
10.0			22.00	0.03	1.0	348	8.24	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					17.3
1.0					
5.0					
10.0					

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

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

YEAR 1969
 MONTH 09
 DAY 16
 TIME 2024

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 067

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.0	10	22.00					
1.0			21.94	0.06	0.7	326	8.58	
5.0			21.95	0.08	0.7	328	8.59	
10.0			21.93	0.10	0.6	330	8.39	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					12.5
1.0					
5.0					
10.0					

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

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

YEAR 1969
 MONTH 09
 DAY 16
 TIME 2050

NO. DEPTHS 05
 SOUNDING 0150
 BT SLIDE NO 068

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	11	22.00					
1.0			21.93	0.19	0.4	312	8.24	0.083
5.0			21.95	0.08	0.4	313	8.28	0.095
10.0			21.96	0.11	0.4	314	8.19	0.077
13.0			21.96	0.03	0.4	312	8.16	0.058

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					7.5
1.0	0.020	0.050	0.030	0.400	
5.0	0.016	0.055	0.030	0.320	
10.0	0.015	0.034	0.010	0.380	
13.0	0.015	0.037	0.010	0.310	

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

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

YEAR 1969
 MONTH 09
 DAY 16
 TIME 2249

NO. DEPTHS 06
 SOUNDING 0240
 BT SLIDE NO 070

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	10	21.80					
1.0			21.62	0.05	0.2	301	8.10	
5.0			21.62	0.05	0.2	302	8.13	
10.0			21.63	0.03	0.2	301	8.14	
15.0			21.62	0.00	0.2	301	8.10	
22.0			20.94	0.05	0.2	302	7.27	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					6.8
1.0					
5.0					
10.0					
15.0					
22.0					

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

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

YEAR 1969
 MONTH 09
 DAY 17
 TIME 0025

NO. DEPTHS 06
 SOUNDING 0240
 BT SLIDE NO 071

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			22.00					
1.0			21.86	0.04	0.2	311	8.44	
5.0			21.87	0.09	0.2	311	8.29	
10.0			21.88	0.05	0.2	311	8.21	
15.0			21.87	0.12	0.2	309	8.21	
22.0			17.93	0.21	0.6	314	6.38	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					7.7
1.0					
5.0					
10.0					
15.0					
22.0					

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

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

YEAR 1969
 MONTH 09
 DAY 17
 TIME 0143

NO. DEPTHS 05
 SOUNDING 0170
 BT SLIDE NO 072

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.60					
1.0			20.57	0.10	0.3	306	7.98	
5.0			20.58	0.04	0.3	305	7.99	
10.0			20.49	0.11	0.4	306	7.88	
15.0			13.65	0.04	0.8	322	1.47	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					11.3
1.0					
5.0					
10.0					
15.0					

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

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

YEAR 1969
 MONTH 09
 DAY 17
 TIME 0307

NO. DEPTHS 06
 SOUNDING 0210
 BT SLIDE NO 073

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			19.70					
1.0			19.71	0.11	0.4	306	8.01	
5.0			19.73	0.17	0.4	306	8.10	
10.0			18.80	0.08	0.5	308	7.06	
15.0			12.24	0.20	1.3	328	0.34	
19.0			12.11	0.19	1.7	327	0.40	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					13.3
1.0					
5.0					
10.0					
15.0					
19.0					

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

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

YEAR 1969
 MONTH 09
 DAY 17
 TIME 0436

NO. DEPTHS 05
 SOUNDING 0200
 BT SLIDE NO 075

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.80					
1.0			21.67	0.05	0.4	324	8.19	
5.0			21.68	0.02	0.4	320	8.32	
10.0			21.68	0.04	0.5	328	8.10	
18.0			21.51	0.03	0.5	317	8.30	

DEPTH	SR P04	NH3	TFNO3	R SI02	CHLORA
0.0					13.3
1.0					
5.0					
10.0					
18.0					

C-REF-NO 108
 CONS. NO 06C
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 09
 DAY 17
 TIME 0552

NO. DEPTHS 06
 SOUNDING 0200
 BT SLIDE NO 076

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.80					
1.0			21.71	0.02	0.2	304	8.38	
5.0			21.71	0.00	0.3	300	8.29	
10.0			21.70	0.05	0.3	300	8.37	
15.0			21.70	0.08	0.2	302	8.13	
18.0			21.70	0.01	0.3	300	8.61	

DEPTH	SR P04	NH3	TFNO3	R SI02	CHLORA
0.0					12.8
1.0					
5.0					
10.0					
15.0					
18.0					

C-REF-NO 108
 CONS. NO 061
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 09
 DAY 17
 TIME 0709

NO. DEPTHS 05
 SOUNDING 0160
 BT SLIDE NO 077

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.70					
1.0			21.60	0.03	0.4	329	8.05	
5.0			21.61	0.04	0.4	328	8.05	
10.0			21.62	0.07	0.4	326	8.03	
14.0			21.62	0.03	0.4	327	8.05	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					9.7
1.0					
5.0					
10.0					
14.0					

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

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

YEAR 1969
 MONTH 09
 DAY 17
 TIME 0825

NO. DEPTHS 05
 SOUNDING 0160
 BT SLIDE NO 078

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.80					
1.0			21.80	0.02	0.8	322	7.96	
5.0			21.82	0.03	0.8	322	7.93	0.120
10.0			21.82	0.10	0.8	322	7.93	0.083
14.0			21.81	0.07	0.8	323	7.85	0.083

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					11.3
1.0	0.025	0.070	0.045	0.500	
5.0	0.024	0.060	0.045	0.160	
10.0	0.023	0.055	0.020	0.280	
14.0	0.026	0.050	0.020	0.170	

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

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

YEAR 1969
 MONTH 09
 DAY 17
 TIME 0954

NO. DEPTHS 05
 SOUNDING 0180
 BT SLIDE NO 079

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.50					
1.0			21.30	0.13	0.6	308	7.89	0.150
5.0			21.32	0.00	0.6	308	7.88	0.145
10.0			21.33	0.00	0.6	308	7.88	0.165
16.0			21.30	0.02	0.6	310	7.86	0.140

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					14.5
1.0	0.045	0.090	0.230	0.450	
5.0	0.049	0.090	0.110	0.400	
10.0	0.053	0.087	0.030	0.420	
16.0	0.049	0.083	0.025	0.390	

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

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

YEAR 1969
 MONTH 09
 DAY 17
 TIME 1122

NO. DEPTHS 06
 SOUNDING 0190
 BT SLIDE NO 080

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.40					
1.0			21.32	0.07	1.7	268	8.10	0.130
5.0			21.33	0.06	1.7	269	8.05	0.125
10.0			21.33	0.02	1.8	268	7.98	0.120
15.0			19.00	0.10	1.8	284	5.86	0.130
17.0			13.10	0.12	4.5	328		0.560

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					16.6
1.0	0.026	0.070	0.230	0.160	
5.0	0.026	0.074	0.150	0.090	
10.0	0.026	0.055	0.080	0.120	
15.0	0.028	0.062	0.070	0.120	
17.0	0.350	0.500	0.005	2.300	

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

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

YEAR 1969
 MONTH 09
 DAY 17
 TIME 1257

NO. DEPTHS 05
 SOUNDING 0150
 BT SLIDE NO 081

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.0	11	15.90					
1.0			15.78	0.09	1.3	314	5.16	0.190
5.0			15.78	0.05	1.3	314	5.22	0.185
10.0			12.41	0.10	0.6	329	0.26	0.300
13.0			12.42	0.09	0.8	330	0.31	0.235

DEPTH	SR P04	NH3	TFN03	R SI02	CHLORA
0.0					8.4
1.0	C.070	0.150	0.030	2.000	
5.0	C.070	0.150	0.025	2.100	
10.0	C.200	0.400	0.010	2.500	
13.0	C.140	0.200	0.020	2.000	

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

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

YEAR 1969
 MONTH 09
 DAY 17
 TIME 1542

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 082

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.0	11	20.80					
1.0			20.85	0.06	3.2	268	7.26	
5.0			20.86	0.18	2.9	265	7.06	
10.0			20.86	0.05	3.2	265	6.30	

DEPTH	SR P04	NH3	TFN03	R SI02	CHLORA
0.0					10.6
1.0					
5.0					
10.0					

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

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

YEAR 1969
 MONTH 09
 DAY 17
 TIME 1701

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO 083

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0	2.5	11	21.00					
1.0			20.99	0.04	3.3	303	8.37	
5.0			20.93	0.05	3.2	297	6.86	
10.0			20.99	0.04	2.7	294	7.48	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
0.0					14.0
1.0					
5.0					
10.0					

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

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

YEAR 1969
 MONTH 09
 DAY 17
 TIME 1835

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO 084

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0	1.0	11	21.80					
1.0			21.57	0.02	13.0	317	8.24	
5.0			21.57	0.04	12.0	317	8.16	
10.0			21.58	0.02	11.0	317	8.16	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA
0.0					14.2
1.0					
5.0					
10.0					

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

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

YEAR 1969
 MONTH 09
 DAY 17
 TIME 1944

NO. DEPTHS 04
 SOUNDING 0100
 BT SLIDE NO 085

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	0.5	11	21.40					
1.0			21.29	0.02	12.0	299	7.89	0.185
5.0			21.32	0.10	14.0	293	7.69	0.180
8.0			20.93	0.13	13.0	293	7.77	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					16.4
1.0	0.037	0.135	0.105	0.400	
5.0	0.031	0.128	0.105	0.210	
8.0	0.030	0.129	0.090	0.185	

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

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

YEAR 1969
 MONTH 09
 DAY 17
 TIME 2109

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 086

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	1.0	11	21.40					
1.0			21.36	0.02	7.0	279	7.83	
5.0			21.35	0.11	7.0	278	7.77	
10.0			21.36	0.11	7.6	278	7.79	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA
0.0					15.4
1.0					
5.0					
10.0					

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

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

YEAR 1969
 MONTH 09
 DAY 17
 TIME 2303

NO. DEPTHS 04
 SOUNDING 0100
 BT SLIDE NO 087

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.0	11	21.00					
1.0			20.90	0.07	5.7	262	7.83	0.135
5.0			20.91	0.37	5.5	260	7.88	0.130
8.0			20.88	0.10	5.6	260	7.85	0.130

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					7.2
1.0	0.033	0.150	0.200	0.190	
5.0	0.030	0.125	0.180	0.150	
8.0	0.030	0.120	0.165	0.150	

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

LAT 41-46-06N
 LON 082-56-00W

YEAR 1969
 MONTH 09
 DAY 18
 TIME 0026

NO. DEPTHS 04
 SOUNDING 0100
 BT SLIDE NO 088

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.50					
1.0			20.72	0.02	19.0	259	7.82	
5.0			20.73	0.01	20.0	258	7.82	
8.0			20.73	0.17	23.0	258	7.78	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					12.5
1.0					
5.0					
8.0					

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

LAT 41-43-42N
 LON 083-09-12W

YEAR 1969
 MONTH 09
 DAY 18
 TIME 0137

NO. DEPTHS 04
 SOUNDING 0090
 BT SLIDE NO 089

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.60					
1.0			20.53	0.07	30.0	259	7.99	0.225
5.0			20.54	0.04	23.0	258	8.04	0.225
7.0			20.54	0.12	35.0	258	8.02	0.280

DEPTH	SR P04	NH3	TFN03	R SI02	CHLORA
0.0					20.2
1.0	C.037	0.087	0.140	0.460	
5.0	C.039	0.108	0.140	0.500	
7.0	C.041	0.108	0.140	0.480	

C-REF-NO 108
 CONS. NO 074
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 09
 DAY 18
 TIME 0306

NO. DEPTHS 04
 SOUNDING 0080
 BT SLIDE NO 090

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.10					
1.0			20.14	0.07	10.0	275	8.54	0.140
5.0			20.13		9.3	271	8.63	0.150
6.0			20.13	0.14	8.5	267	8.32	0.250

DEPTH	SR P04	NH3	TFN03	R SI02	CHLORA
0.0					49.6
1.0	C.050	0.078	0.060	0.120	
5.0	C.050	0.083	0.060	0.120	
6.0	C.050	0.083	0.060	0.120	

C-REF-NO 108
 CONS. NO 075
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 09
 DAY 18
 TIME 0421

NO. DEPTHS 04
 SOUNDING 0090
 BT SLIDE NO 091

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			19.50					
1.0			19.52	0.07	2.5	248	8.21	
5.0			19.51	0.08	3.4	257	8.24	
7.0			19.51	0.12	3.5	237	8.24	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					6.3
1.0					
5.0					
7.0					

C-REF-NO 108
 CONS. NO 076
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 09
 DAY 18
 TIME 0516

NO. DEPTHS 04
 SOUNDING 0090
 BT SLIDE NO 092

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			19.90					
1.0			20.01	0.02	4.0	269	8.16	
5.0			20.02	0.10	5.5	263	8.27	
7.0			20.03	0.04	5.4	264	8.16	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA
0.0					24.1
1.0					
5.0					
7.0					

C-REF-NO 108
 CONS. NO C77
 COUNTRY 18
 INSTITUTE 22

LAT 41-54-48N
 LON 082-50-24W

YEAR 1969
 MONTH 09
 DAY 18
 TIME 0633

NO. DEPTHS 04
 SOUNDING 0090
 BT SLIDE NO 093

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.60					
1.0			20.53	0.04	5.8	277	8.60	0.130
5.0			20.54	0.00	5.6	265	8.51	0.135
7.0			20.54	0.00	5.4	264	8.46	0.140

DEPTH	SR P04	NH3	TFN03	R SI02	CHLORA
0.0					27.2
1.0	C.020	0.052	0.160	0.530	
5.0	C.025	0.059	0.155	0.600	
7.0	C.023	0.046	0.150	0.580	

C-REF-NO 108
 CONS. NO C78
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 09
 DAY 18
 TIME 0759

NO. DEPTHS 04
 SOUNDING 0100
 BT SLIDE NO 094

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.70					
1.0			20.66	0.02	7.1	278	7.91	
5.0			20.66	0.17	6.7	266	7.97	
8.0			20.66	0.09	7.0	267	7.92	

DEPTH	SR P04	NH3	TFN03	R SI02	CHLORA
0.0					19.3
1.0					
5.0					
8.0					

CRUISE 69 - 110, October 14 - 20

C-REF-NO 110
 CONS. NO 001
 COUNTRY 18
 INSTITUTE 22

LAT 42-51-18N
 LON 079-14-42W
 YEAR 1969
 MONTH 10
 DAY 15
 TIME 0524

NO. DEPTHS 04
 SOUNDING 0130
 BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			16.20					
1.0			16.16	0.022				400E00
7.0			16.15	0.004				200E00
11.0			16.15	0.014				100E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	330E01	400E01
7.0	101E00	240E01	440E01
11.0	101E00	190E01	290E01

C-REF-NO 110
 CONS. NO 002
 COUNTRY 18
 INSTITUTE 22

LAT 42-47-24N
 LON 079-12-06W
 YEAR 1969
 MONTH 10
 DAY 15
 TIME 0604

NO. DEPTHS 04
 SOUNDING 0200
 BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			16.40					
1.0			16.32	0.023	1.5	317	9.49	400E00
7.0			16.31	0.008	1.6	300	9.40	700E00
18.0			16.32	0.006	1.6	324	9.35	101E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	150E01	180E01
7.0	101E00	110E01	140E01
18.0	101E00	230E01	330E01

C-REF-NO 110
 CONS. NO 003
 COUNTRY 18
 INSTITUTE 22

LAT 42-50-36N
 LON 078-57-30W
 YEAR 1969
 MONTH 10
 DAY 15
 TIME 0724

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			16.20					
1.0			16.18	0.001	3.3	318	9.52	210E01
7.0			16.17	0.008	2.7	317	9.51	340E01
9.0			16.18	0.005	2.6	318	9.49	360E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	100E00	400E01	740E01
7.0	101E00	510E01	110E02
9.0	101E00	360E01	720E01

C-REF-NO 110
 CONS. NO 004
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 15
 TIME 0805

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			16.30					
1.0			16.15	0.006	2.7	320	9.60	101E00
7.0			16.17	0.005	2.7	320	9.60	200E00
9.0			16.18	0.004	2.7	317	9.57	101E00

DEPTH	MF FCO	SPC 20	SPC 35	TC ALK	S SO4	H CO3	CL	HARD
0.0								
1.0	101E00	460E01	520E01	93.7	26.0	114.2	24.4	133.0
7.0	100E00	650E01	910E01	93.7	26.0	114.2	24.5	132.0
9.0	101E00	440E01	700E01	93.7	25.0	114.2	24.4	132.0

DEPTH	CA NFA	MG NF	K NFS	NA NFS
0.0				
1.0	40.000	8.000	1.280	11.100
7.0	40.000	7.800	1.240	10.900
9.0	40.000	7.900	1.230	11.000

C-REF-NO 110
 CONS. NO 005
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 15
 TIME 0927

NO. DEPTHS 04
 SOUNDING 0160
 BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			16.50					
1.0			16.42	0.010	3.4	318	9.43	600E00
7.0			16.42	0.003	3.2	318	9.43	600E00
14.0			16.43	0.008	3.2	319	9.43	160E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	730E01	150E02
7.0	101E00	380E01	780E01
14.0	101E00	510E01	840E01

C-REF-NO 110
 CONS. NO 006
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 15
 TIME 1052

NO. DEPTHS 04
 SOUNDING 0200
 BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			16.30					
1.0			16.24	0.003	1.1	319	9.43	200E00
7.0			16.24	0.012	1.0	320	9.41	300E00
18.0			16.24	0.012	1.1	319	9.41	300E00

DEPTH	MF FCO	SPC 20	SPC 35	TC ALK	S SO4	H CO3	CL	HARD
0.0								
1.0	200E00	580E01	570E01	93.7	25.0	114.2	24.4	132.0
7.0	101E00	900E01	650E01	93.7	25.0	114.2	24.3	134.0
18.0	101E00	880E01	720E01	93.7	25.0	114.2	24.2	133.0

DEPTH	CA NFA	MG NF	K NFS	NA NFS
0.0				
1.0	40.000	7.900	1.230	11.000
7.0	40.500	7.900	1.240	11.300
18.0	40.500	7.800	1.220	11.000

C-REF-NO 110
 CONS. NO 007
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 15
 TIME 1152

NO. DEPTHS 05
 SOUNDING 0310
 BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	3.0	10	16.40					
1.0			16.34	0.009	0.8	315	9.29	100E00
7.0			16.34	0.008	0.9	306	9.42	100E00
22.0			16.34	0.020	0.8	307	9.32	101E00
29.0			8.25	0.028	5.7	314	7.92	101E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	490E01	270E01
7.0	101E00	460E01	340E01
22.0	101E00	350E01	190E01
29.0	101E00	340E01	240E01

C-REF-NO 110
 CONS. NO 008
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 15
 TIME 1314

NO. DEPTHS 04
 SOUNDING 0200
 BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	4.0	10	16.20					
1.0			16.10	0.018	0.6	298	9.50	200E00
7.0			16.12	0.009	0.7	295	9.48	101E00
18.0			16.12	0.008	0.5	294	9.35	101E00

DEPTH	MF FCO	SPC 20	SPC 35	TC ALK	S SO4	H CO3	CL	HARD
0.0								
1.0	100E00	240E01	270E01	94.7	25.0	115.4	24.3	133.0
7.0	101E00	440E01	950E01	94.2	25.4	114.8	24.3	133.0
18.0	101E00	300E01	610E01	94.2	25.3	114.8	24.3	137.0

DEPTH	CA NFA	MG NF	K NFS	NA NFS
0.0				
1.0	40.500	7.800	1.240	11.000
7.0	40.500	7.800	1.220	10.900
18.0	41.500	8.000	1.230	11.200

C-REF-NO 110
 CONS. NO 009
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 15
 TIME 1419

NO. DEPTHS 04
 SOUNDING 0170
 BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	3.0	11	15.80					
1.0			15.84	0.004	0.8	303	9.69	700E00
7.0			15.84	0.001	1.5	304	9.56	430E01
15.0			15.83	0.007	1.5	290	9.67	520E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	190E01	120E01
7.0	101E00	160E01	230E01
15.0	101E00	140E01	180E01

C-REF-NO 110
 CONS. NO 010
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 15
 TIME 1527

NO. DEPTHS 04
 SOUNDING 0150
 BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	4.0	11	15.90					
1.0			15.85	0.021	0.8	301	9.67	300E01
7.0			15.73	0.004	1.7	303	9.56	100E00
13.0			15.60	0.005	1.3	303	9.35	100E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	150E01	270E01
7.0	101E00	570E01	540E01
13.0	101E00	700E01	930E01

C-REF-NO 110
 CONS. NO 011
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 15
 TIME 1631

NO. DEPTHS 05
 SOUNDING 0310
 BT SLIDE NO 011

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	5.0	10	16.40					
1.0			16.33	0.008	0.4	288	9.40	700E00
7.0			16.20	0.012	0.6	319	9.36	101E00
22.0			16.15	0.029	0.6	320	9.24	500E00
29.0			11.12	0.009	1.1	323	7.45	170E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	100E01	160E01
7.0	101E00	600E00	100E01
22.0	101E00	110E01	120E01
29.0	101E00	800E00	600E00

C-REF-NO 110
 CONS. NO 012
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 15
 TIME 1803

NO. DEPTHS 04
 SOUNDING 0420
 BT. SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	6.0	9	16.80					
1.0			16.66	0.012	0.6	292	9.46	
22.0			16.37	0.004	0.6	320	9.16	
40.0			6.04	0.004	2.2	333	6.97	

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0			
22.0			
40.0			

C-REF-NO 110
 CONS. NO 013
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 15
 TIME 1857

NO. DEPTHS 04
 SOUNDING 0200
 BT. SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	5.0	10	16.80					
1.0			16.69	0.007	1.1	318	9.70	100E00
7.0			16.32	0.020	1.1	321	9.70	200E00
18.0			16.20	0.008	1.4	322	9.36	500E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	140E02	120E02
7.0	101E00	360E02	350E02
18.0	101E00	460E02	500E02

C-REF-NO 110
 CONS. NO 014
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 15
 TIME 2016

NO. DEPTHS 04
 SOUNDING 0170
 BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	4.0	10	16.30					
1.0			16.14	0.004	1.0	317	9.71	300E00
7.0			16.04	0.000	1.0	318	9.76	200E00
15.0			15.95	0.010	1.0	318	9.44	101E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	400E01	300E01
7.0	101E00	170E01	280E01
15.0	101E00	210E01	350E01

C-REF-NO 110
 CONS. NO 015
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 15
 TIME 2118

NO. DEPTHS 04
 SOUNDING 0460
 BT SLIDE NO 015

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	4.0	10	16.70					
1.0			16.45	0.002	0.5	316	9.67	
22.0			16.21	0.009	0.4	318	9.41	
44.0			6.83	0.006	1.3	332	6.64	

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0			
22.0			
44.0			

C-REF-NO 110
 CONS. NO 016
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 15
 TIME 2204

NO. DEPTHS 05
 SOUNDING 0630
 BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	4.0	10	16.10					
1.0			15.95	0.004	0.5	316	9.48	590E01
7.0			16.01	0.010	0.5	317	9.51	160E03
22.0			15.10	0.000	2.1	317	9.19	700E00
61.0			5.85	0.010	1.6	328	6.56	800E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	600E00	130E01	100E01
7.0	110E02	900E00	280E01
22.0	101E00	220E01	370E01
61.0	200E00	370E01	420E01

C-REF-NO 110
 CONS. NO 017
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 15
 TIME 2252

NO. DEPTHS 04
 SOUNDING 0520
 BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			16.30					
1.0			16.34	0.010	0.4	313	9.67	
22.0			14.86	0.000	1.0	315	9.37	
50.0			5.92	0.011	1.5	329	7.35	

DEPTH	MF FCO	SPC 20	SPC 35	TC ALK	S SO4	H CO3	CL	HARD
0.0								
1.0				93.7	26.0	114.2	23.8	133.0
22.0				94.2	26.0	114.8	23.8	132.0
50.0				96.1	26.0	117.1	24.8	139.0

DEPTH	CA NFA	MG NF	K NFS	NA NFS
0.0				
1.0	40.500	7.800	1.210	10.900
22.0	40.200	7.600	1.210	11.100
50.0	43.000	7.600	1.230	11.600

C-REF-NO 110
 CONS. NO 018
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 16
 TIME 0012

NO. DEPTHS 04
 SOUNDING 0140
 BT SLIDE NO 018

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.40					
1.0			15.40	0.002	1.7	284	10.16	101E00
7.0			15.10	0.006	2.4	285	10.05	480E01
12.0			15.06	0.014	2.7	258	9.80	400E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	130E01	120E01
7.0	101E00	140E01	210E01
12.0	101E00	110E01	200E01

C-REF-NO 110
 CONS. NO 019
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 16
 TIME 0125

NO. DEPTHS 03
 SOUNDING 0090
 BT SLIDE NO 019

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.00					
1.0			14.93	0.014	0.8	277	10.11	310E01
7.0			14.74	0.004	1.2	276	10.08	600E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	800E00	600E00
7.0	101E00	700E00	600E00

C-REF-NO 110
 CONS. NO 020
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 16
 TIME 0354

NO. DEPTHS 04
 SOUNDING 0150
 BT SLIDE NO 020

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			16.30					
1.0			16.20	0.017	0.7	290	9.71	300E00
7.0			16.19	0.002	0.8	316	9.72	200E00
13.0			15.75	0.008	1.7	316	9.30	101E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	110E01	450E01
7.0	101E00	260E01	520E01
13.0	101E00	100E01	470E01

C-REF-NO 110
 CONS. NO 021
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 16
 TIME 1554

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 021

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	0.5	11	16.00					
1.0			15.94	0.003	3.8	268	9.35	480E02
7.0			15.94	0.003	3.3	271	9.38	110E02
10.0			15.96		4.0	271	9.33	480E02

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	240E02	320E02
7.0	101E00	150E02	430E02
10.0	101E00	160E02	270E02

C-REF-NO 110
 CONS. NO 022
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 16
 TIME 1728

NO. DEPTHS 03
 SOUNDING 0090
 BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	0.5	11	15.80					
1.0			15.74	0.004	13.0	278	9.35	160E01
7.0			15.74	0.014	13.0	279	9.32	280E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	100E00	970E01	190E02
7.0	300E00	950E01	210E02

C-REF-NO 110
 CONS. NO 023
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 16
 TIME 1857

NO. DEPTHS 04
 SOUNDING 0100
 BT SLIDE NO 023

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	0.5	11	15.30					
1.0			15.29	0.010	9.0	267	9.56	130E02
7.0			15.28	0.011	11.0	269	9.56	100E02
9.0			15.29	0.002	11.0	269	9.56	680E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	400E00	110E02	810E02
7.0	101E00	730E01	640E02
9.0	101E00	850E01	520E02

C-REF-NO 110
 CONS. NO 024
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 16
 TIME 2008

NO. DEPTHS 03
 SOUNDING 0070
 BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	0.3	11	15.60					
1.0			15.36	0.006	18.0	231	9.75	280E01
5.0			15.35	0.007	17.0	226	9.73	520E01

DEPTH	MF FCO	SPC 20	SPC 35	TC ALK	S SO4	H CO3	CL	HARD
0.0								
1.0	101E00	460E01	140E02	79.2	17.5	96.5	9.7	109.0
5.0	100E00	420E01	210E02	79.2	17.6	96.5	9.8	107.0

DEPTH	CA NFA	MG NF	K NFS	NA NFS
0.0				
1.0	31.200	7.500	0.900	5.100
5.0	30.700	7.400	0.890	5.000

C-REF-NO 110
 CONS. NO 025
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 16
 TIME 2113

NO. DEPTHS 03
 SOUNDING 0080
 BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	0.3	11	13.80					
1.0			14.72	0.000	13.0	230	9.44	770E02
5.0			14.73	0.007	14.0	233	9.43	720E02

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	100E01	180E03	650E03
5.0	230E01	200E03	110E04

C-REF-NO 110
 CONS. NO 026
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 16
 TIME 2234

NO. DEPTHS 03
 SOUNDING 0070
 BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	0.4	11	15.00					
1.0			14.95	0.003	16.0	237	9.06	540E02
5.0			14.96	0.018	18.0	238	9.19	390E02

DEPTH	MF FCO	SPC 20	SPC 35	TC ALK	S SO4	H CO3	CL	HARD
0.0								
1.0	800E00	580E02	320E03	79.2	17.9	96.5	13.0	107.0
5.0	190E01	520E02	460E03	79.7	17.7	97.1	12.9	106.0

DEPTH	CA NFA	MG NF	K NFS	NA NFS
0.0				
1.0	31.200	7.100	1.000	7.600
5.0	30.500	7.300	0.980	7.500

C-REF-NO 110
 CONS. NO 027
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 17
 TIME 0002

NO. DEPTHS 03
 SOUNDING 0070
 BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.5	11	15.50					
1.0			15.17	0.002	24.0	233	9.56	240E01
5.0			15.18	0.006	23.0	261	9.72	120E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	250E02	310E02
5.0	101E00	400E02	510E02

C-REF-NO 110
 CONS. NO 028
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 17
 TIME 0118

NO. DEPTHS 03
 SOUNDING 0070
 BT SLIDE NO 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	11	15.50					
1.0			15.38	0.016	25.0	179	9.45	110E01
5.0			15.37	0.001	27.0	219	9.40	301E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00		910E01
5.0	101E00	800E01	780E01

C-REF-NO 110
 CONS. NO 029
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 17
 TIME 0239

NO. DEPTHS 03
 SOUNDING 0090
 BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.30					
1.0			15.37	0.001	18.0	239	9.48	300E01
7.0			15.38	0.007	17.0	218	9.59	100E01

DEPTH	MF FCO	SPC 20	SPC 35	TC ALK	S SO4	H CO3	CL	HARD
0.0								
1.0	101E00		270E02	81.1	18.3	98.5	17.6	113.0
7.0	101E00	200E02	330E02	81.1	18.1	98.9	17.6	112.0

DEPTH	CA NFA	MG NF	K NFS	NA NFS
0.0				
1.0	32.500	7.700	0.970	8.500
7.0	32.200	7.600	0.970	8.500

C-REF-NO 110
 CONS. NO 030
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 17
 TIME 0437

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.90					
1.0			15.94	0.014	8.1	246	9.08	270E01
7.0			15.97	0.008	8.0	272	9.04	100E01
9.0			15.95	0.009	9.1	272	9.04	130E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	240E01	160E02
7.0	101E00	210E01	700E01
9.0	101E00		660E01

C-REF-NO 110
 CONS. NO 031
 COUNTRY 18
 INSTITUTE 22

LAT 41-30-00N
 LON 082-38-30W

YEAR 1969
 MONTH 10
 DAY 17
 TIME 0519

NO. DEPTHS 03
 SOUNDING 0090
 BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.60					
1.0			15.68	0.006				500E01
7.0			15.72	0.011				400E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	550E01	880E01
7.0	101E00	100E02	890E01

C-REF-NO 110
 CONS. NO 032
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 17
 TIME 0616

NO. DEPTHS 03
 SOUNDING 0090
 BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	DZ W	MF COL
0.0			16.00					
1.0			16.15	0.005	4.8	278	9.10	140E01
7.0			16.17	0.002	4.9	297	9.08	200E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	400E01	550E01
7.0	101E00	700E01	670E01

C-REF-NO 110
 CONS. NO 033
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 17
 TIME 0722

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	DZ W	MF COL
0.0			16.20					
1.0			16.28	0.016	7.0	302	9.25	200E01
7.0			16.31	0.000	7.6	301	9.27	430E01
10.0			16.31	0.007	7.2	300	9.25	100E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00		670E01
7.0	101E00		800E01
10.0	101E00	700E01	150E02

C-REF-NO 110
 CONS. NO 034
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 17
 TIME 0846

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			16.00					
1.0			16.01	0.029	4.1	268	9.44	
7.0			16.02	0.004	3.5	267	9.43	
10.0			16.01	0.007	4.1	243	9.40	

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0			
7.0			
10.0			

C-REF-NO 110
 CONS. NO 035
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 17
 TIME 1159

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 035

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.5	11	15.60					
1.0			15.81	0.022	2.7	255	9.75	301E00
7.0			15.84	0.000	2.8	269	9.72	301E00
10.0			15.84	0.007	2.3	265	9.81	301E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	960E01	180E02
7.0	101E00		110E02
10.0	101E00		750E01

C-REF-NO 110
 CONS. NO 036
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 17
 TIME 1324

NO. DEPTHS 04
 SOUNDING 0160
 BT SLIDE NO 036

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	11	15.80					
1.0			15.89	0.016	4.0	245	9.27	
7.0			15.90	0.013	4.4	240	9.24	
14.0			15.89	0.009	4.1	260	9.24	

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0			
7.0			
14.0			

C-REF-NO 110
 CONS. NO 037
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 17
 TIME 1448

NO. DEPTHS 04
 SOUNDING 0160
 BT SLIDE NO 037

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	11	15.60					
1.0			15.59	0.011	1.8	281	9.20	100E00
7.0			15.61	0.013	1.8	271	9.23	300E00
13.0			15.61	0.001	1.5	271	9.20	301E00

DEPTH	MF FCO	SPC 20	SPC 35	TC ALK	S SO4	H CO3	CL	HARD
0.0								
1.0			890E01	88.9	22.7	108.4	21.0	125.0
7.0	101E00	500E01	530E01	89.8	23.0	109.5	20.7	126.0
13.0	101E00	530E01	470E01	89.8	22.8	109.5	20.6	130.0

DEPTH	CA NFA	MG NF	K NFS	NA NFS
0.0				
1.0	37.500	7.600	1.260	10.200
7.0	37.500	7.800	1.250	10.200
13.0	39.200	7.900	1.250	10.200

C-REF-NO 110
 CONS. NO 038
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 17
 TIME 1610

NO. DEPTHS 04
 SOUNDING 0130
 BT SLIDE NO 038

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	11	15.90					
1.0			16.06	0.009	9.0	298	9.19	200E01
7.0			16.06	0.000	8.0	305	9.21	300E01
11.0			16.05	0.001	8.0	305	9.22	200E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	100E02	130E02
7.0	100E00		970E01
11.0	101E00	100E02	910E01

C-REF-NO 110
 CONS. NO 039
 COUNTRY 18
 INSTITUTE 22

LAT 41-30-42N
 LON 081-50-42W

YEAR 1969
 MONTH 10
 DAY 17
 TIME 1725

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 039

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	11	16.10					
1.0			16.27	0.001				900E01
7.0			16.27					700E01
10.0			16.27	0.002				700E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00		100E02
7.0	101E00	400E02	230E02
10.0	101E00	300E02	280E02

C-REF-NO 110
 CONS. NO 040
 COUNTRY 18
 INSTITUTE 22

LAT 41-30-42N
 LON 081-46-30W

YEAR 1969
 MONTH 10
 DAY 17
 TIME 1807

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 040

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	11	16.00					
1.0			16.13	0.004				520E02
7.0			16.14	0.024				450E02
10.0			16.15	0.001				340E02

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	480E01		370E02
7.0	520E01	250E02	480E02
10.0	320E01		450E02

C-REF-NO 110
 CONS. NO 041
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 17
 TIME 1908

NO. DEPTHS 04
 SOUNDING 0140
 BT SLIDE NO 041

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	11	16.20					
1.0			16.43	0.008	7.0	320	9.22	301E00
7.0			16.50	0.013	7.0	320	9.13	301E00
12.0			16.48	0.004	7.0	321	9.13	100E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	420E01	750E01
7.0	101E00		150E02
12.0	101E00	680E01	180E02

C-REF-NO 110
 CONS. NO 042
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 17
 TIME 2039

NO. DEPTHS 04
 SOUNDING 0180
 BT SLIDE NO 042

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	0.3	11	15.90					
1.0			16.04	0.036	3.5	309	9.10	
7.0			16.08	0.001	3.4	310	9.08	
15.0			16.09	0.003	3.5	310	9.08	

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0			
7.0			
15.0			

C-REF-NO 110
 CONS. NO 043
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 17
 TIME 2201

NO. DEPTHS 04
 SOUNDING 0200
 BT SLIDE NO 043

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	0.3	11	15.80					
1.0			15.99	0.007	1.7	307	9.27	300E00
7.0			16.00	0.002	1.5	306	9.25	100E00
18.0			16.01	0.012	1.6	305	9.24	301E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	100E00	100E02	960E01
7.0	101E00		110E02
18.0	101E00	900E01	140E02

C-REF-NO 110
 CONS. NO 044
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 17
 TIME 2331

NO. DEPTHS 04
 SOUNDING 0180
 BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.50					
1.0			15.86	0.004	1.8	250	9.61	301E00
7.0			15.86	0.021	2.9	278	9.64	301E00
16.0			15.88	0.002	2.6	281	9.57	301E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	120E02	150E02
7.0	101E00		170E02
16.0	101E00	130E02	180E02

C-REF-NO 110
 CONS. NO 045
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 18
 TIME 0102

NO. DEPTHS 04
 SOUNDING 0160
 BT SLIDE NO 045

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.10					
1.0			15.21	0.017	7.0	261	9.48	300E00
7.0			15.22	0.036	9.0	272	9.46	400E00
14.0			15.24	0.000	10.0	278	9.48	700E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	850E01	320E02
7.0	101E00	120E02	430E02
14.0	100E00	550E01	380E02

C-REF-NO 110
 CONS. NO 046
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 18
 TIME 0220

NO. DEPTHS 04
 SOUNDING 0240
 BT SLIDE NO 046

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.60					
1.0			15.86	0.010	0.4	285	9.23	301E00
7.0			15.86	0.008	0.4	310	9.16	301E00
22.0			15.88	0.007	0.5	311	9.18	301E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	110E02	180E02
7.0	101E00	840E01	130E02
22.0	101E00	770E01	210E02

C-REF-NO 110
 CONS. NO 047
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 18
 TIME 0345

NO. DEPTHS 04
 SOUNDING 0220
 BT SLIDE NO 047

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			14.00					
1.0			16.18	0.006	0.9	285	9.07	300E00
7.0			16.18	0.005	1.0	312	9.02	301E00
20.0			16.18	0.002	1.0	313	9.04	301E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	490E01	250E02
7.0	101E00	160E02	280E02
20.0	101E00	700E01	260E02

C-REF-NO 110
 CONS. NO 048
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 18
 TIME 0548

NO. DEPTHS 04
 SOUNDING 0130
 BT SLIDE NO 048

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.90					
1.0			16.06	0.030	2.6	293	8.72	100E00
7.0			16.06	0.007	2.1	325	8.99	301E00
11.0			16.07	0.000	2.0	326	8.99	300E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	560E01	260E02
7.0	101E00	670E01	640E02
11.0	101E00	910E01	430E02

C-REF-NO 110
CONS. NO 049
COUNTRY 18
INSTITUTE 22

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

YEAR 1969
MONTH 10
DAY 18
TIME 0632

NO. DEPTHS 04
SOUNDING 0140
BT SLIDE NO 049

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.70					
1.0			15.94	0.030	2.6	279	9.00	400E01
7.0			15.95	0.011	2.9	325	9.08	200E01
12.0			15.96	0.005	3.0	330	9.08	200E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	300E01	130E02
7.0	101E00	600E01	200E02
12.0	101E00	120E02	150E02

C-REF-NO 110
CONS. NO 050
COUNTRY 18
INSTITUTE 22

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

YEAR 1969
MONTH 10
DAY 18
TIME 0701

NO. DEPTHS 03
SOUNDING 0090
BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.70					
1.0			15.81	0.009	3.4	329	8.95	500E01
7.0			15.84	0.010	2.6	330	8.97	170E02

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	800E01	210E02
7.0	101E00	700E01	240E02

C-REF-NO 110
 CONS. NO 051
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 18
 TIME 0732

NO. DEPTHS 03
 SOUNDING 0090
 BT SLIDE NO 051

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.40					
1.0			15.75	0.077	6.6	331	9.10	800E01
7.0			15.74	0.023	8.7	325	9.10	130E02

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	160E02	270E02
7.0	100E00	800E01	190E02

C-REF-NO 110
 CONS. NO 052
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 18
 TIME 0829

NO. DEPTHS 04
 SOUNDING 0160
 BT SLIDE NO 052

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			16.20					
1.0			16.35	0.009	8.0	307	8.99	300E00
7.0			16.37	0.003	8.0	317	9.02	130E01
14.0			16.25	0.008	8.0	318	8.99	200E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	360E01	230E02
7.0	101E00	800E01	130E02
14.0	101E00	710E01	130E02

C-REF-NO 110
 CONS. NO 053
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 18
 TIME 0950

NO. DEPTHS 04
 SOUNDING 0130
 BT SLIDE NO 053

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			16.00					
1.0			16.13	0.002	8.0	306	9.10	170E01
7.0			16.14	0.012	10.0	314	9.05	130E01
11.0			16.15	0.003	10.0	315	9.05	100E01

DEPTH	MF FCO	SPC 20	SPC 35	TC ALK	S SO4	H CO3	CL	HARD
0.0								
1.0	101E00	850E01	180E02	89.8	23.6	109.5	24.9	129.0
7.0	101E00	370E01	310E02	89.8	23.2	109.5	25.0	130.0
11.0	101E00	850E01	510E02	90.8	23.0	110.7	24.8	128.0

DEPTH	CA NFA	MG NF	K NFS	NA NFS
0.0				
1.0	39.200	7.600	1.290	11.500
7.0	39.200	7.700	1.270	11.500
11.0	38.700	7.700	1.270	11.300

C-REF-NO 110
 CONS. NO 054
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 18
 TIME 1111

NO. DEPTHS 04
 SOUNDING 0220
 BT SLIDE NO 054

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.50					
1.0			15.56	0.007	4.5	292	9.27	600E00
7.0			15.56	0.000	2.8	266	9.24	200E00
20.0			15.58	0.007	4.0	257	9.24	300E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	730E01	320E02
7.0	101E00	410E01	270E02
20.0	101E00	120E02	210E02

C-REF-NO 110
 CONS. NO 055
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 69
 TIME 1234

NO. DEPTHS 04
 SOUNDING 0220
 BT SLIDE NO 055

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.5	6	15.40					
1.0			15.47	0.006	2.8	260	9.10	
7.0			15.46	0.021	2.4	266	9.10	
20.0			15.49	0.021	2.9	280	9.13	

DEPTH	MF FCO	SPC 20	SPC 35	TC ALK	S SO4	H CO3	CL	HARD
0.0								
1.0				92.7	23.5	113.0	23.9	129.0
7.0				92.7	23.5	113.0	24.2	133.0
20.0				92.7	23.5	113.0	24.2	130.0

DEPTH	CA NFA	MG NF	K NFS	NA NFS
0.0				
1.0	39.000	7.700	1.250	11.200
7.0	40.500	7.700	1.250	11.600
20.0	39.500	7.600	1.340	11.800

C-REF-NO 110
 CONS. NO 056
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 18
 TIME 1407

NO. DEPTHS 04
 SOUNDING 0220
 BT SLIDE NO 056

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	0.2	10	15.50					
1.0			15.64	0.014	1.8	263	9.27	
7.0			15.64	0.013	2.0	263	9.43	
20.0			15.64	0.005	2.3	268	9.45	

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0			
7.0			
20.0			

C-REF-NO 110
 CONS. NO 057
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 18
 TIME 1505

NO. DEPTHS 03
 SOUNDING 0090
 BT SLIDE NO 057

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.5	11	15.00					
1.0			15.13	0.032	1.2	272	9.57	301E00
7.0			15.14	0.006	1.1	309	9.05	301E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	760E01	110E02
7.0	101E00	750E01	160E02

C-REF-NO 110
 CONS. NO 058
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 18
 TIME 1630

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 058

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	11	15.10					
1.0			15.22	0.021	1.4	268	9.21	301E00
7.0			15.22	0.017	1.4	313	9.32	301E00
10.0			15.23	0.000	1.4	317	8.63	300E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	100E02	190E02
7.0	101E00	110E02	150E02
10.0	101E00	110E02	840E01

C-REF-NO 110
 CONS. NO 059
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 18
 TIME 1745

NO. DEPTHS 04
 SOUNDING 0190
 BT SLIDE NO 059

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	11	15.70					
1.0			15.83	0.010	1.8	316	9.49	300E00
7.0			15.83	0.007	2.2	316	9.40	301E00
17.0			15.83	0.017	2.9	316	9.46	301E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	100E02	220E02
7.0	101E00	440E01	240E02
17.0	101E00	940E01	130E02

C-REF-NO 110
 CONS. NO 060
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 18
 TIME 1919

NO. DEPTHS 04
 SOUNDING 0210
 BT SLIDE NO 060

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	11	15.90					
1.0			16.06	0.015	2.4	292	9.07	
7.0			16.06	0.013	3.2	317	9.08	
19.0			16.07	0.002	2.4	316	9.11	

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0			
7.0			
19.0			

C-REF-NO 110
 CONS. NO 061
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 18
 TIME 2034

NO. DEPTHS 04
 SOUNDING 0200
 BT SLIDE NO 061

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	5.0	11	15.80					
1.0			16.12	0.017	7.1	301	9.14	301E00
7.0			16.10	0.014	7.3	312	9.40	301E00
18.0			16.13	0.009	7.5	312	9.37	300E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	160E02	140E02
7.0	101E00	120E02	130E02
18.0	101E00	250E02	150E02

C-REF-NO 110
 CONS. NO 062
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 18
 TIME 2152

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO 062

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	11	15.70					
1.0			15.62	0.001	21.0	318	9.14	700E01
7.0			15.60	0.027	21.0	323	9.18	600E01
9.0			15.61	0.006	20.0	325	9.13	740E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	300E00	280E02	320E02
7.0	500E00	440E02	460E02
9.0	300E00	360E02	430E02

C-REF-NO 110
 CONS. NO 063
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 18
 TIME 2311

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 063

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.30					
1.0			15.46	0.002	15.0	293	9.16	210E02
7.0			15.47	0.003	14.0	283	9.16	180E02
10.0			15.48	0.005	18.0	280	9.16	230E02

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	200E00	390E02	590E02
7.0	500E00	480E02	770E02
10.0	200E00	570E02	800E02

C-REF-NO 110
 CONS. NO 064
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 19
 TIME 0041

NO. DEPTHS 04
 SOUNDING 0220
 BT SLIDE NO 064

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.80					
1.0			15.94	0.002	12.0	285	9.32	
7.0			15.94	0.014	14.0	280	9.40	
20.0			15.95	0.003	15.0	269	9.40	

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0			
7.0			
20.0			

C-REF-NO 110
 CONS. NO 065
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 19
 TIME 0212

NO. DEPTHS 04
 SOUNDING 0210
 BT SLIDE NO 065

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.50					
1.0			15.63	0.002	10.0	286	9.48	301E00
7.0			15.63	0.004	12.0	300	9.48	301E00
19.0			15.65	0.011	12.0	299	9.40	301E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	270E02	190E02
7.0	101E00	190E02	130E02
19.0	101E00	140E02	120E02

C-REF-NO 110
 CONS. NO 066
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 19
 TIME 0342

NO. DEPTHS 04
 SOUNDING 0200
 BT SLIDE NO 066

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.50					
1.0			15.54	0.004	2.1	274	9.47	
7.0			15.53	0.015	2.6	311	9.44	
18.0			15.53	0.004	3.7	313	9.47	

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0			
7.0			
18.0			

C-REF-NO 110
 CONS. NO 067
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 19
 TIME 0505

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO 067

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.00					
1.0			15.01	0.002	2.3	283	9.47	301E00
7.0			15.01	0.000	2.1	316	9.47	100E00
9.0			15.03	0.020	2.1	319	9.47	301E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	110E02	850E01
7.0	101E00	810E01	670E01
9.0	101E00	130E02	170E02

C-REF-NO 110
 CONS. NO 068
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 19
 TIME 1624

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO 068

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			14.50					
1.0			14.64	0.002	15.0	311	9.47	301E00
7.0			14.63	0.016	13.0	309	9.44	300E00
9.0			14.63	0.021	13.0	311	9.44	400E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	520E02	100E02
7.0	101E00	360E02	260E02
9.0	101E00	490E02	320E02

C-REF-NO 110
CONS. NO 069

COUNTRY 18
INSTITUTE 22

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

YEAR 1969
MONTH 10
DAY 19
TIME 0737

NO. DEPTHS 04
SOUNDING 0160
BT SLIDE NO 069

DEPTH	SECCMI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.20					
1.0			15.45	0.001	6.0	302	9.52	301E00
7.0			15.46	0.009	7.0	305	9.49	301E00
14.0			15.46	0.007	6.0	310	9.44	301E00

DEPTH	MF FCO	SPC 20	SPC 35	TC ALK	S SO4	H CO3	CL	HARD
0.0								
1.0	101E00	870E01	850E01	91.3	24.0	111.3	23.4	127.0
7.0	101E00	700E01	500E01	92.7	24.0	113.0	24.1	132.0
14.0	101E00	460E01	370E01	92.7	24.0	113.0	24.4	133.0

DEPTH	CA NFA	MG NF	K NFS	NA NFS
0.0				
1.0	39.000	7.300	1.240	11.200
7.0	40.500	7.400	1.270	11.300
14.0	40.500	7.700	1.260	11.200

C-REF-NO 110
 CONS. NO 070
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 19
 TIME 0907

NO. DEPTHS 04
 SOUNDING 0170
 BT SLIDE NO 070

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.60					
1.0			15.64	0.001	11.0	314	9.52	200E00
7.0			15.64	0.003	10.0	316	9.52	301E00
15.0			15.63	0.004	10.0	316	9.51	301E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	540E02	520E02
7.0	101E00	600E02	460E02
15.0	101E00	580E02	490E02

C-REF-NO 110
 CONS. NO 071
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 19
 TIME 1022

NO. DEPTHS 04
 SOUNDING 0220
 BT SLIDE NO 071

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.00					
1.0			15.07	0.006	5.9	319	9.57	301E00
7.0			15.10	0.029	6.9	320	9.52	301E00
20.0			15.09	0.027	6.3	320	9.49	301E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	900E01	730E01
7.0	101E00	140E02	910E01
20.0	101E00	800E01	610E01

C-REF-NO 110
 CONS. NO 072
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 19
 TIME 1142

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO 072

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			15.20					
1.0			15.33	0.016	7.2	303	9.37	100E00
7.0			15.34	0.003	6.6	292	9.43	500E00
9.0			15.34	0.010	8.0	292	9.42	300E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	190E01	580E01
7.0	101E00	150E01	480E01
9.0	101E00	560E01	700E01

C-REF-NO 110
 CONS. NO 073
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 19
 TIME 1311

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO 073

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	10	14.60					
1.0			14.84	0.024	6.0	280	9.40	300E00
7.0			14.84	0.011	7.1	290	9.37	600E00
9.0			14.87	0.015	2.3	329	9.37	300E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	610E01	130E02
7.0	101E00	240E01	600E01
9.0	101E00	520E01	670E01

C-REF-NO 110
 CONS. NO 074
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 19
 TIME 1442

NO. DEPTHS 04
 SOUNDING 0190
 BT SLIDE NO 074

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	10	15.50					
1.0			15.49	0.012	3.5	302	9.80	
7.0			15.39	0.028	3.6	292	9.59	
17.0			15.50	0.006	4.7	292	9.51	

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0			
7.0			
17.0			

C-REF-NO 110
 CONS. NO 075
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 19
 TIME 1610

NO. DEPTHS 04
 SOUNDING 0180
 BT SLIDE NO 075

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	11	15.20					
1.0			15.44	0.018	3.6	301	9.72	201E00
7.0			15.43	0.029	3.6	315	9.72	200E00
16.0			15.43	0.000	3.5	319	9.72	200E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	100E00	120E01	600E00
7.0	101E00	310E01	260E01
16.0	101E00	900E00	200E01

C-REF-NO 110
 CONS. NO 076
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 19
 TIME 1723

NO. DEPTHS 04
 SOUNDING 0160
 BT SLIDE NO 076

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	11	14.50					
1.0			14.65	0.015	3.6	289	9.16	200E00
7.0			14.63	0.034	3.8	310	9.38	201E00
14.0			14.67	0.012	3.6	313	9.32	201E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	490E01	730E01
7.0	101E00	550E01	680E01
14.0	101E00	800E00	110E01

C-REF-NO 110
 CONS. NO 077
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 19
 TIME 1842

NO. DEPTHS 03
 SOUNDING 0090
 BT SLIDE NO 077

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	11	14.40					
1.0			14.33	0.006	13.0	289	9.44	201E00
7.0			14.33	0.002	12.0	310	9.44	200E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	490E01	710E01
7.0	101E00	680E01	910E01

C-REF-NO 110
 CONS. NO 078
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 19
 TIME 1925

NO. DEPTHS 04
 SOUNDING 0130
 BT SLIDE NO 078

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	11	14.80					
1.0			14.91	0.012	6.2	315	9.43	200E00
7.0			14.91		5.6	314	9.49	400E00
11.0			14.92	0.019	6.3	314	9.65	400E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	130E01	160E01
7.0	101E00	100E01	750E01
11.0	101E00	450E01	720E01

C-REF-NO 110
 CONS. NO 079
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 19
 TIME 2040

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 079

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0	1.0	11	14.40					
1.0			14.41	0.016	2.1	319	9.78	201E00
7.0			14.40	0.030	2.2	323	9.81	201E00
10.0			14.40	0.010	2.0	323	9.81	201E00

DEPTH	MF FCO	SPC 20	SPC 35	TC ALK	S SO4	H CO3	CL	HARD
0.0								
1.0	101E00	780E01	120E02	94.7	25.8	115.4	23.9	135.0
7.0	101E00	910E01	170E02	94.7	25.1	115.4	24.0	133.0
10.0	101E00	710E01	150E02	95.2	25.5	116.0	24.1	133.0

DEPTH	CA NFA	MG NF	K NFS	NA NFS
0.0				
1.0	41.500	7.700	1.220	11.400
7.0	40.700	7.600	1.220	11.500
10.0	40.700	7.600	1.230	11.600

C-REF-NO 110
 CONS. NO 080
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 19
 TIME 2156

NO. DEPTHS 03
 SOUNDING 0070
 BT SLIDE NO 080

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			14.50					
1.0			14.51	0.012	7.6	317	9.68	200E00
5.0			14.50	0.033	8.0	324	9.71	400E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	100E00	140E01	420E01
5.0	101E00	260E01	140E01

C-REF-NO 110
 CONS. NO 081
 COUNTRY 18
 INSTITUTE 22

LAT 42-10-18N
 LON 080-03-24W

YEAR 1969
 MONTH 10
 DAY 19
 TIME 2305

NO. DEPTHS 03
 SOUNDING 0080
 BT SLIDE NO 081

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			14.10					
1.0			14.28	0.007				460E01
6.0			14.26	0.032				500E01

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	600E02	140E03
6.0	101E00	500E02	150E03

C-REF-NO 110
 CONS. NO 082
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 19
 TIME 2335

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 082

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			14.20					
1.0			14.53	0.005	5.6	272	9.53	800E00
7.0			14.54	0.007	5.8	285	9.56	200E00
10.0			14.55	0.011	6.5	291	9.60	800E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	440E01	180E02
7.0	101E00	290E01	750E01
10.0	101E00	430E01	190E02

C-REF-NO 110
 CONS. NO 083
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 20
 TIME 0045

NO. DEPTHS 04
 SOUNDING 0330
 BT SLIDE NO 083

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			14.20					
1.0			13.76	0.015	1.8	266	9.43	300E00
22.0			13.77	0.006	2.3	285	9.29	200E00
31.0			13.71	0.001	2.5	282	9.41	300E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	320E01	970E01
22.0	101E00	170E01	430E01
31.0	101E00	130E01	100E02

C-REF-NO 110
 CONS. NO 084
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 10
 DAY 20
 TIME 0224

NO. DEPTHS 05
 SOUNDING 0610
 BT SLIDE NO 084

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			14.60					
1.0			14.74	0.037				201E00
7.0			14.74	0.000				201E00
22.0			14.61	0.010				201E00
59.0			6.28	0.003				201E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	210E01	110E01
7.0	101E00	230E01	220E01
22.0	101E00	290E01	230E01
59.0	101E00	590E01	900E01

C-REF-NO 110
CONS. NO 085

COUNTRY 18
INSTITUTE 22

LAT 42-51-18N
LON 079-14-42W

YEAR 1969
MONTH 10
DAY 20
TIME 0538

NO. DEPTHS 04
SOUNDING 0100
BT SLIDE NO 085

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	MF COL
0.0			13.30					
1.0			13.40	0.015				700E00
7.0			13.42	0.009				100E01
9.0			13.41	0.010				101E00

DEPTH	MF FCO	SPC 20	SPC 35
0.0			
1.0	101E00	900E01	240E01
7.0	100E00	190E02	600E01
9.0	101E00	970E01	260E01

CRUISE 69 - III, December 7 - 13

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

LAT 41-56-48N
 LON 083-02-42W
 YEAR 1969
 MONTH 12
 DAY 07
 TIME 1743

NO. DEPTHS 03
 SOUNDING 0100
 BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	1.0	11	2.00					
1.0			1.77	0.008	17.0	244	13.04	
6.0			1.77	0.010	18.0	244	12.98	

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

LAT 41-53-30N
 LON 083-11-48W
 YEAR 1969
 MONTH 12
 DAY 07
 TIME 1917

NO. DEPTHS 03
 SOUNDING 0090
 BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	0.5	11	1.40					
1.0			1.27	0.000	32.0	304	13.39	
5.0			1.27	0.013	35.0	301	13.44	

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

LAT 41-49-54N
 LON 083-01-06W
 YEAR 1969
 MONTH 12
 DAY 07
 TIME 2037

NO. DEPTHS 03
 SOUNDING 0100
 BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	1.0	11	1.20					
1.0			1.10	0.002	20.0	289	13.71	
8.0			1.09	0.010	22.0	291	13.76	

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

LAT 41-43-54N
 LON 083-10-24W
 YEAR 1969
 MONTH 12
 DAY 07
 TIME 2232

NO. DEPTHS 03
 SOUNDING 0080
 BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			1.50					
1.0			1.46	0.009	28.0	244	13.52	
6.0			1.46	0.016	29.0	247	13.56	

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

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

YEAR 1969
 MONTH 12
 DAY 07
 TIME 2356

NO. DEPTHS 03
 SOUNDING 0100
 BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			2.00					
1.0			1.77	0.001	5.0	264	13.51	
8.0			1.76	0.013	4.5	265	13.54	

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

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

YEAR 1969
 MONTH 12
 DAY 08
 TIME 0105

NO. DEPTHS 03
 SOUNDING 0100
 BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			2.20					15.1
1.0			1.85	0.006	4.8	272	13.51	
8.0			1.84	0.003	5.9	277	13.50	

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

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

YEAR 1969
 MONTH 12
 DAY 08
 TIME 0236

NO. DEPTHS 03
 SOUNDING 0100
 BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			2.40					9.7
1.0			1.93	0.011	15.0	241	13.66	
8.0			1.92	0.007	14.0	239	13.21	

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

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

YEAR 1969
 MONTH 12
 DAY 08
 TIME 0356

NO. DEPTHS 03
 SOUNDING 0090
 BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			2.20					13.2
1.0			1.85	0.010	12.0	252	13.11	
7.0			1.85	0.001	14.0	251	13.15	

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

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

YEAR 1969
 MONTH 12
 DAY 08
 TIME 0519

NO. DEPTHS 03
 SOUNDING 0110
 BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			2.80					
1.0			2.64	0.016	22.0	272	12.96	
8.0			2.64	0.002	23.0	272	13.04	

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

LAT 41-34-00N
 LON 082-33-06W

YEAR 1969
 MONTH 12
 DAY 08
 TIME 0742

NO. DEPTHS 04
 SOUNDING 0130
 BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			2.40					
1.0			2.41	0.011	9.2	279	13.10	
7.0			2.43	0.001	8.5	280	13.14	
11.0			2.44	0.001	8.6	280	13.12	

C-REF-NO 111
 CONS. NO 011
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 12
 DAY 08
 TIME 0921

NO. DEPTHS 03
 SOUNDING 0100
 BT SLIDE NO 011

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			2.00					
1.0			1.90	0.008	8.3	288	13.34	
8.0			1.92	0.010	8.3	293	13.30	

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

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

YEAR 1969
 MONTH 12
 DAY 08
 TIME 1050

NO. DEPTHS 04
 SOUNDING 0130
 BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			3.40					11.6
1.0			3.30	0.013	2.4	274	12.90	
7.0			3.28	0.002	2.8	279	12.90	
11.0			3.30	0.005	2.7	277	13.03	

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

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

YEAR 1969
 MONTH 12
 DAY 08
 TIME 1223

NO. DEPTHS 04
 SOUNDING 0150
 BT SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			2.30					13.6
1.0			2.23	0.001	4.0	266	13.21	
7.0			2.24	0.000	4.5	254	13.34	
13.0			2.24	0.003	5.5	257	13.39	

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

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

YEAR 1969
 MONTH 12
 DAY 08
 TIME 1459

NO. DEPTHS 04
 SOUNDING 0160
 BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	1.0	10	3.30					12.0
1.0			3.30	0.002	1.0	295	12.81	
7.0			3.30	0.011	1.2	292	12.81	
14.0			3.29	0.012	1.3	291	12.79	

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

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

YEAR 1969
 MONTH 12
 DAY 08
 TIME 1626

NO. DEPTHS 04
 SOUNDING 0190
 BT SLIDE NO 015

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	1.8	10	4.60					9.5
1.0			4.90	0.009	2.6	311	12.10	
7.0			4.92	0.012	7.0	311	12.08	
17.0			4.91	0.009	3.9	308	12.10	

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

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

YEAR 1969
 MONTH 12
 DAY 08
 TIME 1753

NO. DEPTHS 04
 SOUNDING 0190
 BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	3.0	8	5.10					9.4
1.0			5.03	0.009	0.6	308	12.08	
7.0			5.04	0.003	0.7	309	12.05	
17.0			5.03	0.003	1.0	312	12.02	

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

LAT 41-32-42N
 LON 082-04-24W
 YEAR 1969
 MONTH 12
 DAY 08
 TIME 1939

NO. DEPTHS 04
 SOUNDING 0160
 BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	2.0	9	3.00					10.1
1.0			2.91	0.014	1.8	275	13.07	
7.0			2.91	0.007	1.9	273	13.02	
14.0			2.91	0.000	1.8	274	13.16	

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

LAT 41-36-54N
 LON 081-50-48W
 YEAR 1969
 MONTH 12
 DAY 09
 TIME 0155

NO. DEPTHS 04
 SOUNDING 0190
 BT SLIDE NO 018

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			4.30					8.2
1.0			4.16	0.011	3.5	270	12.36	
7.0			4.17	0.014	3.5	275	12.34	
17.0			4.17	0.009	3.6	286	12.33	

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

LAT 41-47-18N
 LON 081-56-42W
 YEAR 1969
 MONTH 12
 DAY 09
 TIME 0907

NO. DEPTHS 04
 SOUNDING 0230
 BT SLIDE NO 019

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			5.70					7.1
1.0			5.56	0.002	0.8	298	12.17	
7.0			5.57	0.000	1.0	309	12.11	
21.0			5.56	0.006	1.3	309	12.20	

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

LAT 41-57-54N
 LON 082-02-30W
 YEAR 1969
 MONTH 12
 DAY 09
 TIME 1029

NO. DEPTHS 04
 SOUNDING 0230
 BT SLIDE NO 020

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			5.40					7.2
1.0			5.32	0.005	0.8	299	12.11	
7.0			5.34	0.004	1.0	308	12.19	
21.0			5.35	0.001	1.1	313	12.07	

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

LAT 42-08-06N
 LON 082-08-24W
 YEAR 1969
 MONTH 12
 DAY 09
 TIME 1150

NO. DEPTHS 04
 SOUNDING 0220
 BT SLIDE NO 021

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			5.00					7.1
1.0			5.02	0.005	1.3	309	12.15	
7.0			5.02	0.003	1.6	308	12.22	
20.0			5.05	0.011	1.5	309	12.25	

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

LAT 42-12-12N
 LON 081-54-24W
 YEAR 1969
 MONTH 12
 DAY 09
 TIME 1314

NO. DEPTHS 04
 SOUNDING 0170
 BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	2.0	10	3.70					8.4
1.0			3.68	0.003	1.1	304	12.84	
7.0			3.72	0.007	1.0	311	12.63	
15.0			3.79	0.007	1.0	311	12.49	

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

LAT 42-02-12N
 LON 081-48-42W
 YEAR 1969
 MONTH 12
 DAY 09
 TIME 1431

NO. DEPTHS 04
 SOUNDING 0250
 BT SLIDE NO 023

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	3.0	10	5.50					7.2
1.0			5.49	0.010	0.4	314	12.02	
7.0			5.50	0.002	0.4	317	12.10	
23.0			5.51	0.000	0.4	315	12.04	

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

LAT 41-51-48N
 LON 081-42-30W
 YEAR 1969
 MONTH 12
 DAY 09
 TIME 1548

NO. DEPTHS 04
 SOUNDING 0250
 BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	3.0	9	5.80					7.8
1.0			5.79	0.006	0.6	303	11.78	
7.0			5.79	0.007	0.4	305	11.82	
23.0			5.78	0.000	0.7	312	11.78	

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

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

YEAR 1969
 MONTH 12
 DAY 09
 TIME 1740

NO. DEPTHS 04
 SOUNDING 0150
 BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	0.5	11	3.50					8.2
1.0			3.40	0.001	11.0	297	12.58	
7.0			3.37	0.001	10.0	298	12.54	
13.0			3.36	0.003	9.0	298	12.37	

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

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

YEAR 1969
 MONTH 12
 DAY 09
 TIME 1818

NO. DEPTHS 04
 SOUNDING 0130
 BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	1.0	11	3.50					8.4
1.0			3.30	0.015	7.8	303	12.62	
7.0			3.25	0.009	7.8	304	12.35	
11.0			3.25	0.001	7.5	308	12.43	

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

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

YEAR 1969
 MONTH 12
 DAY 09
 TIME 1849

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	1.0	11	3.50					8.6
1.0			3.38	0.009	9.0	286	12.90	
7.0			3.36	0.009	8.6	285	12.50	
10.0			3.34	0.001	8.9	287	12.54	

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

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

YEAR 1969
 MONTH 12
 DAY 09
 TIME 1924

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	0.5	11	3.40					9.1
1.0			3.24	0.002	11.0	295	12.70	
7.0			3.23	0.008	11.0	290	12.74	
10.0			3.22	0.000	11.0	294	12.66	

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

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

YEAR 1969
 MONTH 12
 DAY 09
 TIME 2017

NO. DEPTHS 04
 SOUNDING 0200
 BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	2.5	10	5.40					7.7
1.0			5.31	0.003	1.3	303	12.23	
7.0			5.28	0.007	1.2	305	12.40	
18.0			5.25	0.002	1.6	303	12.25	

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

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

YEAR 1969
 MONTH 12
 DAY 09
 TIME 2135

NO. DEPTHS 04
 SOUNDING 0160
 BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	1.7	9	4.90					8.3
1.0			4.81	0.003	1.7	289	12.54	
7.0			4.80	0.005	1.6	289	12.69	
14.0			4.78	0.001	1.7	289	12.38	

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

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

YEAR 1969
 MONTH 12
 DAY 09
 TIME 2253

NO. DEPTHS 04
 SOUNDING 0240
 BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			5.60					7.5
1.0			5.48	0.003	1.0	321	12.17	
7.0			5.48	0.001	1.0	329	12.15	
22.0			5.44	0.001	1.1	330	11.30	

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

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

YEAR 1969
 MONTH 12
 DAY 10
 TIME 0013

NO. DEPTHS 04
 SOUNDING 0250
 BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			5.50					7.6
1.0			5.54	0.000	0.8	312	12.08	
7.0			5.55	0.012	0.7	318	12.05	
23.0			5.52	0.004	0.8	316	12.03	

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

LAT 42-16-54N
 LON 081-40-18W
 YEAR 1969
 MONTH 12
 DAY 10
 TIME 0127

NO. DEPTHS 04
 SOUNDING 0220
 BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			4.10					7.7
1.0			3.98	0.010	3.5	304	12.33	
7.0			3.98	0.015	3.0	308	12.39	
20.0			3.98	0.004	3.5	296	12.41	

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

LAT 42-23-48N
 LON 081-44-00W
 YEAR 1969
 MONTH 12
 DAY 10
 TIME 0222

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			4.40					7.6
1.0			4.36	0.000	3.5	299	12.34	
7.0			4.35	0.010	4.0	308	12.36	
10.0			4.34	0.000	4.0	309	12.28	

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

LAT 42-31-42N
 LON 081-32-06W
 YEAR 1969
 MONTH 12
 DAY 10
 TIME 0348

NO. DEPTHS 04
 SOUNDING 0130
 BT SLIDE NO 035

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			4.50					8.8
1.0			4.45	0.004	13.0	314	12.25	
7.0			4.45	0.001	12.0	308	12.14	
11.0			4.44	0.001	14.0	312	12.23	

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

LAT 42-21-24N
 LON 081-26-24W
 YEAR 1969
 MONTH 12
 DAY 10
 TIME 0408

NO. DEPTHS 04
 SOUNDING 0240
 BT SLIDE NO 036

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			5.40					7.0
1.0			5.31	0.002	2.9	319	11.87	
7.0			5.32	0.008	1.0	318	11.69	
22.0			5.32	0.000	1.4	318	12.02	

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

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

YEAR 1969
 MONTH 12
 DAY 10
 TIME 0632

NO. DEPTHS 04
 SOUNDING 0240
 BT SLIDE NO 037

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			5.50					7.1
1.0			5.49	0.003	1.6	323	11.90	
7.0			5.49	0.002	1.4	325	11.92	
22.0			5.49	0.001	1.7	325	11.90	

C-REF-NO 111
 CONS. NO 038
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 12
 DAY 10
 TIME 0756

NO. DEPTHS 04
 SOUNDING 0240
 BT SLIDE NO 038

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			3.50					7.5
1.0			4.37	0.004	2.3	289	12.24	
7.0			4.39	0.000	2.4	290	12.22	
22.0			4.40	0.000	2.5	287	12.19	

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

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

YEAR 1969
 MONTH 12
 DAY 10
 TIME 0914

NO. DEPTHS 04
 SOUNDING 0150
 BT SLIDE NO 039

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			4.60					7.5
1.0			4.61	0.000	3.2	311	12.28	
7.0			4.64	0.001	3.1	311	12.33	
13.0			4.65	0.005	4.3	313	12.36	

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

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

YEAR 1969
 MONTH 12
 DAY 10
 TIME 1036

NO. DEPTHS 04
 SOUNDING 0160
 BT SLIDE NO 040

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			4.70					7.4
1.0			4.68	0.000	2.7	300	12.30	
7.0			4.72	0.013	2.4	306	12.31	
14.0			4.70	0.002	2.3	303	12.28	

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

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

YEAR 1969
 MONTH 12
 DAY 10
 TIME 1155

NO. DEPTHS 04
 SOUNDING 0238
 BT SLIDE NO 041

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			5.30					6.3
1.0			5.26	0.000	1.2	317	12.20	
7.0			5.25	0.009	1.8	318	12.09	
21.0			5.26	0.001	1.6	322	12.11	

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

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

YEAR 1969
 MONTH 12
 DAY 10
 TIME 1314

NO. DEPTHS 04
 SOUNDING 0220
 BT SLIDE NO 042

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	2.0	11	5.00					6.6
1.0			5.14	0.003	1.1	321	12.29	
7.0			5.14	0.001	1.3	324	12.65	
20.0			5.15	0.005	1.5	322	12.21	

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

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

YEAR 1969
 MONTH 12
 DAY 10
 TIME 1423

NO. DEPTHS 04
 SOUNDING 0210
 BT SLIDE NO 043

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	2.0	10	4.80					6.9
1.0			5.00	0.001	1.2	317	12.09	
7.0			5.00	0.007	1.1	320	12.17	
19.0			5.00	0.000	1.0	321	12.10	

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

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

YEAR 1969
 MONTH 12
 DAY 10
 TIME 1540

NO. DEPTHS 04
 SOUNDING 0140
 BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	1.0	10	4.90					7.7
1.0			4.85	0.004	1.8	322	12.30	
7.0			4.85	0.012	2.1	321	12.24	
12.0			4.85	0.006	2.3	327	12.21	

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

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

YEAR 1969
 MONTH 12
 DAY 10
 TIME 1700

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 045

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	0.5	11	3.10					7.5
1.0			2.79	0.011	180.0	299	12.83	
7.0			2.77	0.002	190.0	301	12.86	
10.0			2.75	0.001	210.0	301	12.83	

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

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

YEAR 1969
 MONTH 12
 DAY 10
 TIME 1804

NO. DEPTHS 04
 SOUNDING 0200
 BT SLIDE NO 046

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	2.5	8	4.70					8.3
1.0			4.65	0.003	1.6	315	12.32	
7.0			4.64	0.010	1.0	316	12.42	
18.0			4.64	0.000	0.8	316	12.38	

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

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

YEAR 1969
 MONTH 12
 DAY 10
 TIME 1933

NO. DEPTHS 04
 SOUNDING 0210
 BT SLIDE NO 047

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	3.0	9	5.00					8.3
1.0			4.86	0.004	0.9	318	12.14	
7.0			4.85		0.8	318	12.14	
19.0			4.85	0.001	1.0	316	12.13	

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

LAT 42-09-06N
 LON 080-45-30W

YEAR 1969
 MONTH 12
 DAY 10
 TIME 2054

NO. DEPTHS 04
 SOUNDING 0240
 BT SLIDE NO 048

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	2.5	9	5.10					8.4
1.0			5.09	0.001	0.6	316	12.19	
7.0			5.09	0.009	1.6	320	12.30	
22.0			5.08	0.002	0.8	319	12.22	

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

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

YEAR 1969
 MONTH 12
 DAY 10
 TIME 2218

NO. DEPTHS 04
 SOUNDING 0168
 BT SLIDE NO 049

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			3.80					8.8
1.0			3.75	0.002	7.5	303	12.64	
7.0			3.75	0.008	7.7	305	12.64	
14.0			3.74	0.006	8.0	303	12.77	

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

LAT 42-02-36N
 LON 080-27-06W

YEAR 1969
 MONTH 12
 DAY 10
 TIME 2334

NO. DEPTHS 04
 SOUNDING 0130
 BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			3.90					7.5
1.0			3.75	0.003	2.8	322	12.85	
7.0			3.74	0.003	2.1	322	12.82	
11.0			3.74	0.008	2.0	320	12.96	

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

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

YEAR 1969
 MONTH 12
 DAY 11
 TIME 0059

NO. DEPTHS 04
 SOUNDING 0230
 BT SLIDE NO 051

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			5.00					7.5
1.0			4.95	0.001	0.7	314	12.25	
7.0			4.95	0.007	0.6	320	12.17	
20.0			4.95	0.002	0.5	314	12.55	

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

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

YEAR 1969
 MONTH 12
 DAY 11
 TIME 0220

NO. DEPTHS 04
 SOUNDING 0210
 BT SLIDE NO 052

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			4.30					6.4
1.0			4.28	0.002	1.5	316	12.47	
7.0			4.28	0.003	1.7	312	12.38	
18.0			4.28	0.002	1.8	311	12.33	

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

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

YEAR 1969
 MONTH 12
 DAY 11
 TIME 0339

NO. DEPTHS 04
 SOUNDING 0170
 BT SLIDE NO 053

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			3.60					5.7
1.0			3.57	0.001	15.0	311	12.55	
7.0			3.56		13.0	307	12.60	
14.0			3.56	0.001	15.0	309	12.79	

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

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

YEAR 1969
 MONTH 12
 DAY 11
 TIME 0511

NO. DEPTHS 03
 SOUNDING 0100
 BT SLIDE NO 054

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			3.60					5.2
1.0			3.66	0.004	13.0	315	12.46	
7.0			3.74	0.006	9.2	314	12.43	

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

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

YEAR 1969
 MONTH 12
 DAY 11
 TIME 1340

NO. DEPTHS 04
 SOUNDING 0160
 BT SLIDE NO 055

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	2.0	9	4.60					5.3
1.0			4.71	0.000	1.4	321	12.33	
7.0			4.71	0.002	1.3	321	12.38	
13.0			4.71	0.003	1.7	322	12.36	

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

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

YEAR 1969
 MONTH 12
 DAY 11
 TIME 1501

NO. DEPTHS 04
 SOUNDING 0150
 BT SLIDE NO 056

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	2.0	10	5.30					
1.0			5.28	0.004	3.0	315	12.10	
7.0			5.27	0.008	2.5	315	12.22	
12.0			5.28	0.007	2.7	321	12.07	

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

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

YEAR 1969
 MONTH 12
 DAY 11
 TIME 1643

NO. DEPTHS 03
 SOUNDING 0170
 BT SLIDE NO 057

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	1.0	11	4.40					
1.0			4.16	0.007	9.6	325	12.38	
7.0			4.14	0.000	12.0	322	12.43	

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

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

YEAR 1969
 MONTH 12
 DAY 11
 TIME 1229

NO. DEPTHS 04
 SOUNDING 0100
 BT SLIDE NO 058

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0			4.30					7.5
1.0			4.22	0.020	7.7	322	12.33	
7.0			4.22	0.007	7.2	322	12.30	
8.0			4.22	0.003	8.3	318	12.33	

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

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

YEAR 1969
 MONTH 12
 DAY 12
 TIME 1412

NO. DEPTHS 04
 SOUNDING 0150
 BT SLIDE NO 059

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	2.0	11	4.90					7.7
1.0			4.88	0.001	4.5	329	12.10	
7.0			4.87	0.001	4.5	328	12.09	
13.0			4.87	0.015	5.0	326	12.10	

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

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

YEAR 1969
 MONTH 12
 DAY 12
 TIME 1521

NO. DEPTHS 04
 SOUNDING 0460
 BT SLIDE NO 060

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	2.0	9	5.50					9.1
1.0			5.97	0.012	2.0	323	12.39	
22.Q			5.98	0.001	2.0	325	12.25	
42.0			5.98	0.002	2.0	326	11.67	

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

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

YEAR 1969
 MONTH 12
 DAY 12
 TIME 1615

NO. DEPTHS 03
 SOUNDING 0630
 BT SLIDE NO 061

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	3.0	9	6.30					
1.0			6.34	0.018	0.8	324	11.57	
22.0			6.35	0.005	0.9	324	11.53	

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

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

YEAR 1969
 MONTH 12
 DAY 12
 TIME 1800

NO. DEPTHS 04
 SOUNDING 0340
 BT SLIDE NO 062

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	3.0	8	6.60					5.7
1.0			6.55	0.000	0.9	326	11.45	
22.0			6.56	0.004	1.0	325	11.50	
32.0			6.56	0.006	1.2	326	11.50	

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

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

YEAR 1969
 MONTH 12
 DAY 12
 TIME 1910

NO. DEPTHS 04
 SOUNDING 0140
 BT SLIDE NO 063

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	1.0	10	4.00					5.2
1.0			3.88	0.008	7.2	323	12.34	
7.0			3.86	0.002	7.5	323	12.50	
12.0			3.90	0.012	8.5	323	12.50	

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

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

YEAR 1969
 MONTH 12
 DAY 12
 TIME 2019

NO. DEPTHS 04
 SOUNDING 0150
 BT SLIDE NO 064

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	CHLORA
0.0	1.5	9	4.50					5.5
1.0			4.72	0.002	6.3	325	12.36	
7.0			4.72	0.001	7.2	324	12.36	
13.0			4.76	0.015	8.6	326	12.35	