



LIMNOLOGICAL DATA REPORT NO.1

LAKE ERIE

CRUISE 69 - 101, February 6 - 27
CRUISE 69 - 103, May 29 - June 4
CRUISE 69 - 104, July 2 - 6
CRUISE 69 - 105, July 28 - August 2

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

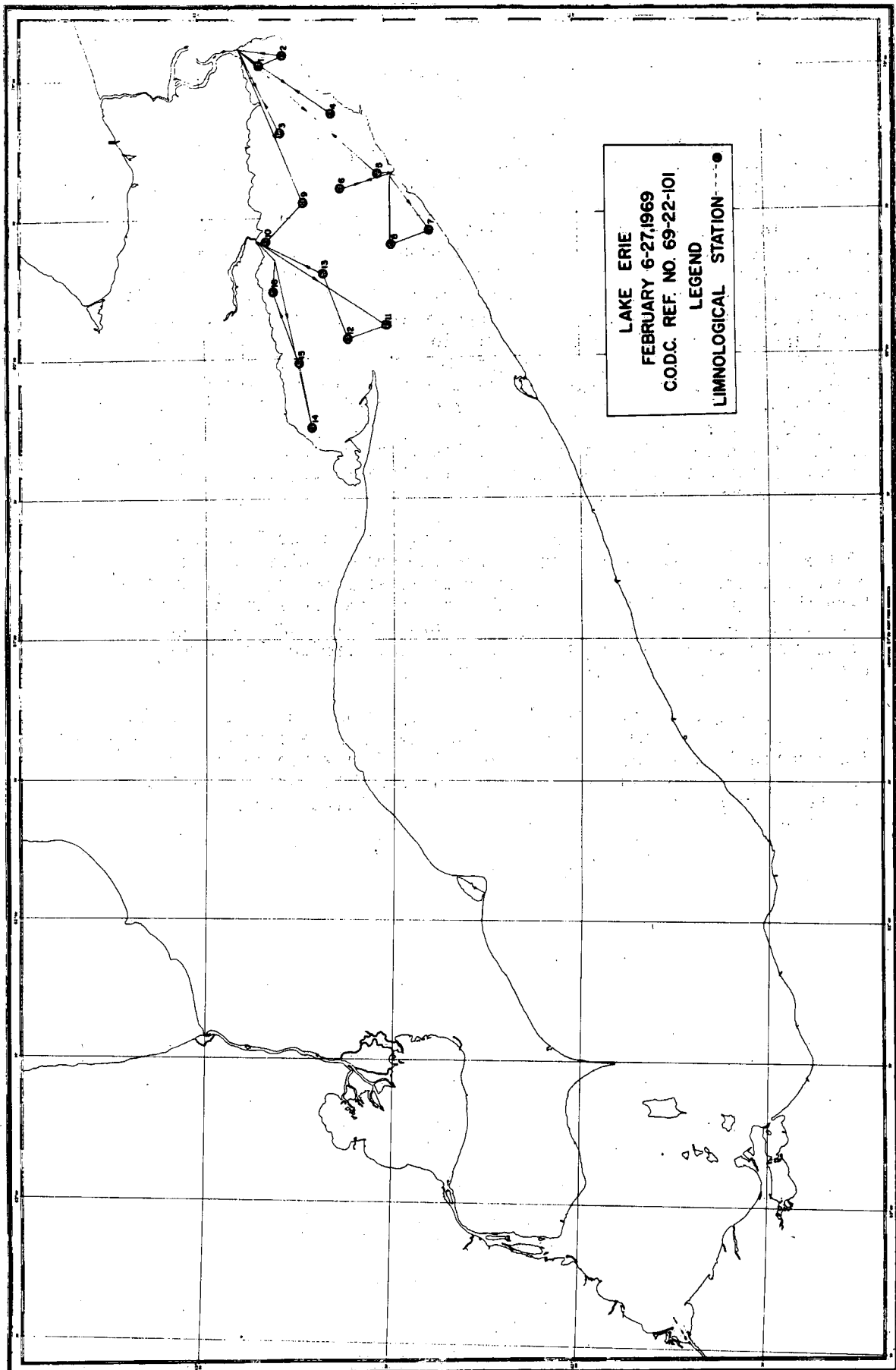
INTRODUCTION

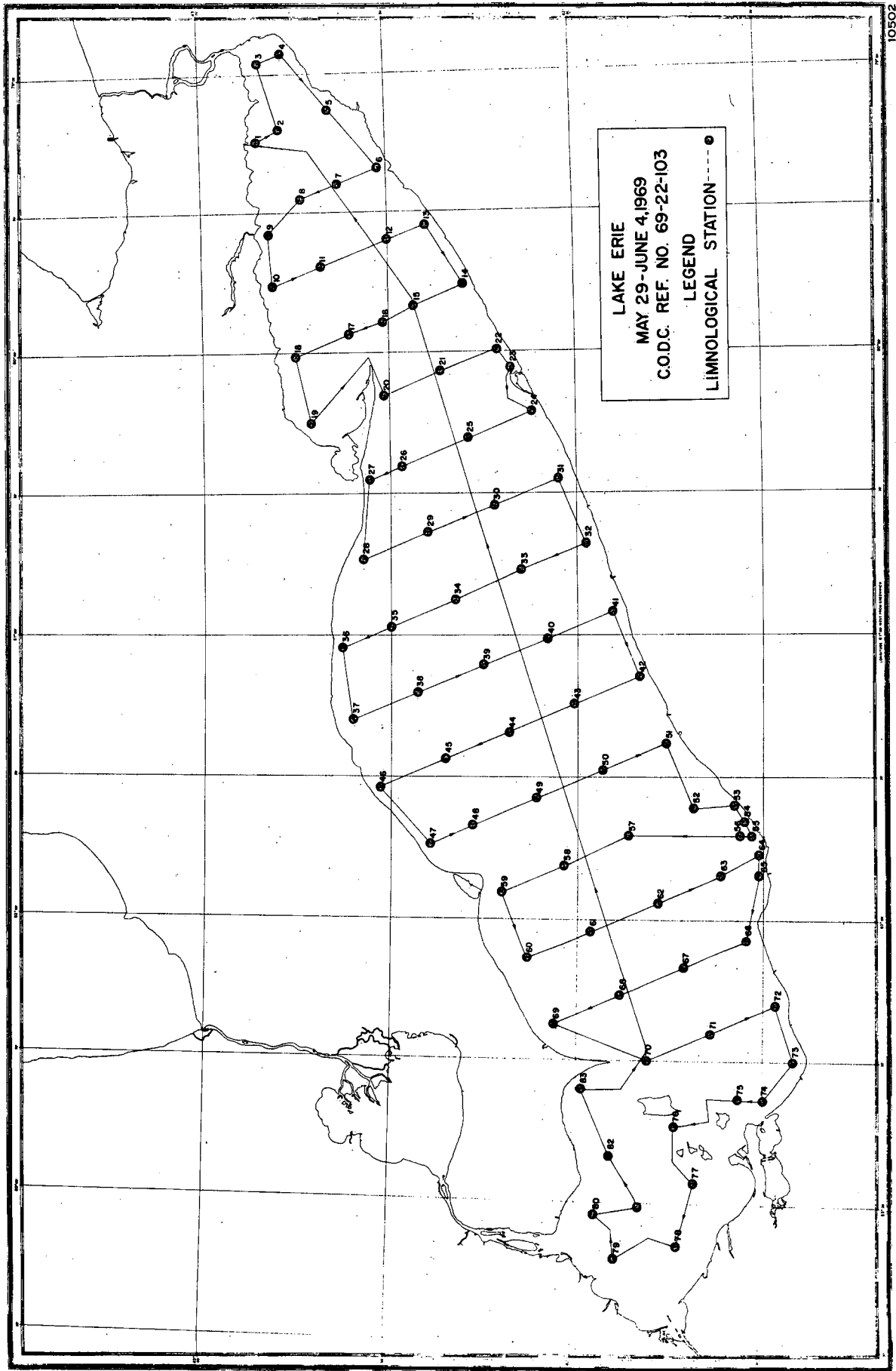
This report is one of a series listing bacteriological, biological, chemical and physical data for the waters of Lake Erie, observed by Government of Canada agencies during the period February 6 to December 13, 1969.

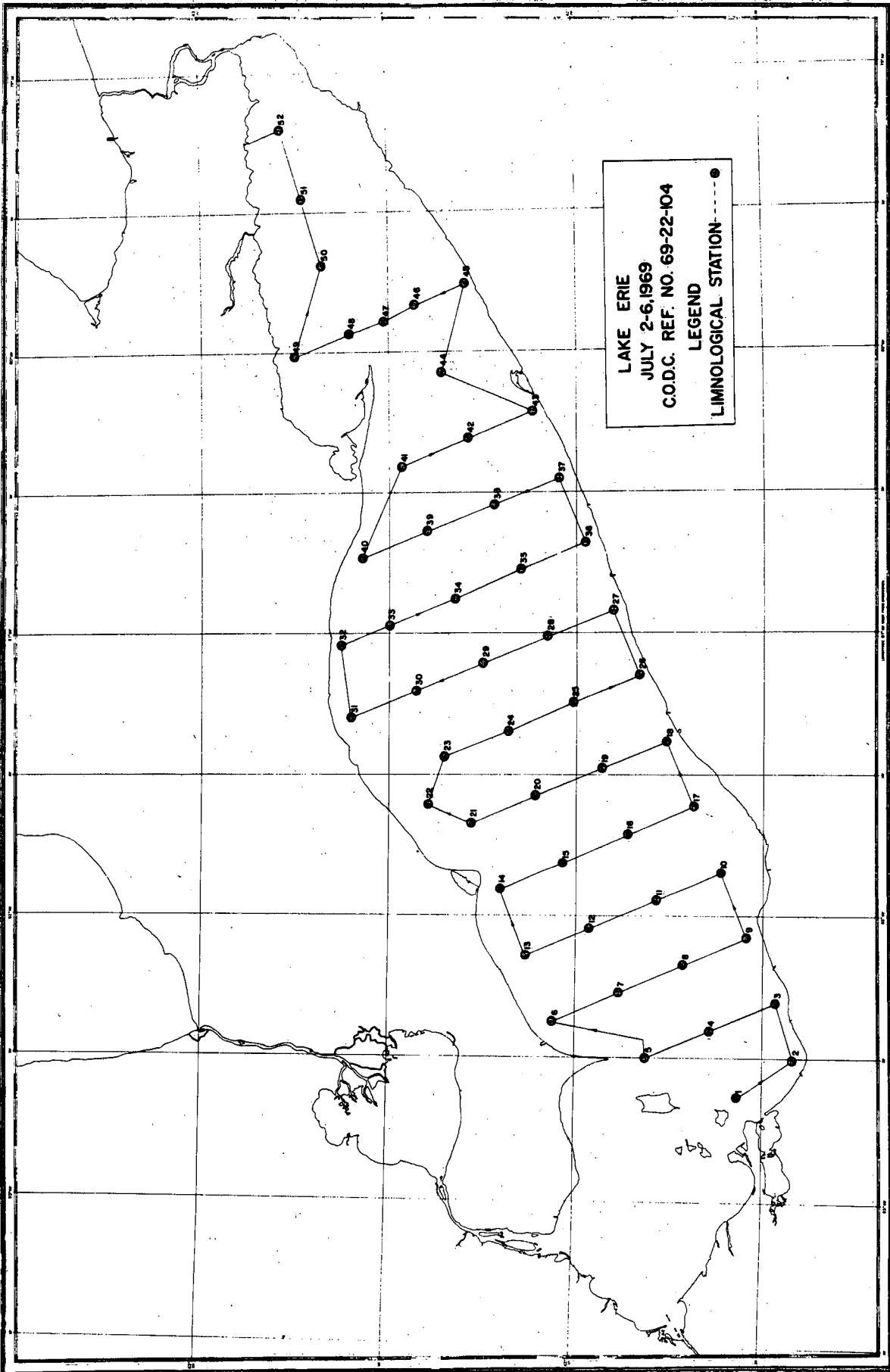
The 1969 surveys were carried out by (1) the Great Lakes and Water Quality Divisions of the Inland Waters Branch, Department of Energy, Mines and Resources, (2) the Fisheries Research Board and (3) the Public Health Engineering Division, Department of National Health and Welfare. Staff from the three 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.

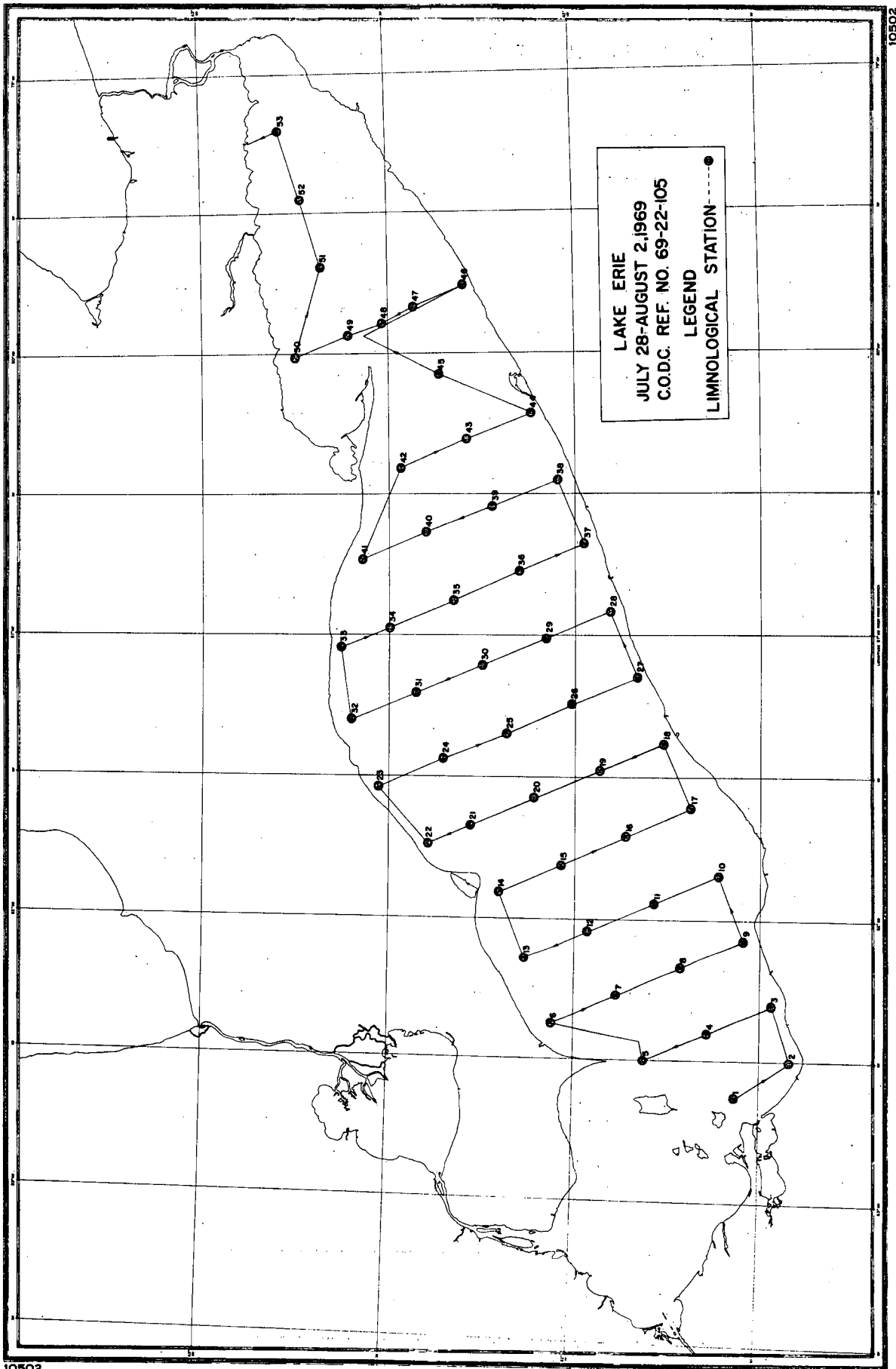
Although surveys related to geological and purely physical studies of the lake were also undertaken, only the water quality data gathered on eight monitoring cruises are included in these reports. Supplementary bathythermograph and meteorological data are available on request from Canada Centre for Inland 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.









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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	Karlsen
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
			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 - Ohmmetric, 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 - 101, February 6 - 27

C-REF-NO 101
 CONS. NO 001
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 02
 DAY 06
 TIME 1541

NO. DEPTHS 03
 SOUNDING 0090
 BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0			0.02	0.00	5.4	352	14.01	0.010
5.0			0.02	0.00	9.8	348	14.04	0.050
7.0			0.04	0.01	17.0	344	14.01	0.048

DEPTH	SR P04	NH3	TFNO3	R SIO2
1.0	0.002	0.108	0.135	0.180
5.0	0.009	0.055	0.135	0.170
7.0	0.011	0.042	0.130	0.200

C-REF-NO 101
 CONS. NO 002
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 02
 DAY 06
 TIME 1857

NO. DEPTHS 03
 SOUNDING 0110
 BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0			0.01	0.01	75.0	341	14.60	0.120
5.0			0.01	0.04	8.0	331	13.73	0.055
9.0			0.26	0.12	3.4	337	13.73	0.125

DEPTH	SR P04	NH3	TFNO3	R SIO2
1.0	0.013	0.054	0.170	0.230
5.0	0.010	0.059	0.150	0.300
9.0	0.015	0.042	0.175	0.250

C-REF-NO 101
 CONS. NO 003
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 02
 DAY 07
 TIME 1810

NO. DEPTHS 05
 SOUNDING 0210
 BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.1	10	0.03	0.01	4.6	326	14.09	0.122
5.0			0.02	0.01	3.5	325	14.04	0.054
10.0			0.01	0.00	4.5	329	13.96	0.042
15.0			0.01	0.01	4.7	338	14.04	0.042
18.0			0.04	0.00	4.8	335	14.15	0.052

DEPTH	SR P04	NH3	TFNO3	R SI02
1.0	0.017	0.040	0.385	0.280
5.0	0.009	0.028	0.145	0.285
10.0	0.008	0.035	0.145	0.295
15.0	0.007	0.038	0.135	0.250
18.0	0.007	0.038	0.140	0.210

C-REF-NO 101
 CONS. NO 004
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 02
 DAY 10
 TIME 1831

NO. DEPTHS 04
 SOUNDING 0170
 BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			0.00	0.01	20.0	281	14.48	0.045
5.0			- 0.01	0.01	9.5	314	14.35	0.065
10.0			0.02	0.01	9.5	322	14.20	0.075
15.0			- 0.01	0.03	9.8	323	13.93	0.075

DEPTH	SR P04	NH3	TFNO3	R SI02
1.0	0.014	0.053	0.230	0.304
5.0	0.019	0.046	0.210	0.258
10.0	0.024	0.042	0.210	0.384
15.0	0.022	0.042	0.225	0.264

C-REF-NO 101
 CONS. NO 005
 COUNTRY 18
 INSTITUTE 22

LAT 42-32-00N
 LON 079-21-00W

YEAR 1969
 MONTH 02
 DAY 17
 TIME 1750

NO. DEPTHS 05
 SOUNDING 0200
 BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			0.25	0.00	1.2	319	13.94	0.087
5.0			0.24	0.01	2.2	322	13.99	0.043
10.0			0.24	0.00	2.8	325	13.91	0.027
15.0			0.25	0.01	1.7	327	13.91	0.028
18.0			0.26	0.00	4.8	328	13.88	0.018

DEPTH	SR P04	NH3	TFN03	R SIO2
1.0	0.006	0.028		0.222
5.0	0.005	0.028		0.200
10.0	0.006	0.022		0.222
15.0	0.011	0.025		0.230
18.0	0.005	0.023		0.216

C-REF-NO 101
 CONS. NO 006
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 02
 DAY 18
 TIME 1628

NO. DEPTHS 06
 SOUNDING 0310
 BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.5	10	0.13	0.02	2.7	261	13.39	0.013
5.0			0.14	0.01	3.0	324	13.88	0.014
10.0			0.14	0.02	3.1	331	13.83	0.013
15.0			0.16		2.9	332	13.48	0.013
20.0			0.18		3.0	332	13.76	0.028
28.0			0.19	0.00	3.3	334	13.83	0.026

DEPTH	SR P04	NH3	TFN03	R SIO2
1.0	0.004	0.042		0.120
5.0	0.003	0.023		0.114
10.0	0.004	0.021		0.120
15.0	0.003	0.020		0.128
20.0	0.014	0.020		0.148
28.0	0.005	0.040		0.136

C-REF-NO 101
 CONS. NO 007
 COUNTRY 18
 INSTITUTE 22

LAT 42-24-00N
 LON 079-33-00W

YEAR 1969
 MONTH 02
 DAY 19
 TIME 1601

NO. DEPTHS 06
 SOUNDING 0310
 BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.5	11	0.10	0.02	2.2	308	13.99	0.020
5.0			0.11	0.01	1.8	327	13.86	0.020
10.0			0.14	0.01	2.2	327	13.94	0.020
15.0			0.13	0.01	2.3	327	13.96	0.024
20.0			0.14	0.01	1.9	328	13.97	0.020
28.0			0.13	0.00	2.1	328	13.99	0.028

DEPTH	SR P04	NH3	TFNO3	R SIO2
1.0	C.006	0.029		0.176
5.0	C.006	0.031		0.170
10.0	0.006	0.035		0.176
15.0	0.004	0.034		0.170
20.0	C.005	0.038		0.170
28.0	C.006	0.035		0.188

C-REF-NO 101
 CONS. NO 008
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 02
 DAY 19
 TIME 1747

NO. DEPTHS 06
 SOUNDING 0430
 BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.5	9	0.22	0.01	2.9	336	13.68	0.013
5.0			0.17	0.00	3.1	326	13.45	0.013
10.0			0.17	0.01	2.8	331	13.45	0.014
15.0			0.16	0.01	2.7	330	13.42	0.028
20.0			0.16	0.00	3.0	327	13.37	0.016
40.0			0.16	0.01	3.0	328	13.36	0.013

DEPTH	SR P04	NH3	TFNO3	R SIO2
1.0	0.003	0.017		0.114
5.0	0.003	0.017		0.120
10.0	0.005	0.018		0.160
15.0	0.002	0.019		0.140
20.0	0.003	0.021		0.138
40.0	0.003	0.019		0.148

C-REF-NO 101
 CONS. NO 009
 COUNTRY 18
 INSTITUTE 22

LAT 42-44-00N
 LON 079-27-00W

YEAR 1969
 MONTH 02
 DAY 25
 TIME 1721

NO. DEPTHS 06
 SOUNDING 0270
 BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.0	11	0.18	0.04	2.4	340	14.04	0.031
5.0			0.09	0.00	2.5	336	13.88	0.036
10.0			0.12	0.03	2.7	355	13.08	0.024
15.0			0.10	0.01	2.8	337	13.51	0.042
20.0			0.11	0.00	2.7	334	13.99	0.027
24.0			0.11	0.01	3.0	335	13.76	0.025

DEPTH	SR P04	NH3	TFN03	R SI02
1.0	C.003	0.018		0.177
5.0	C.004	0.021		0.107
10.0	0.002	0.022		0.107
15.0	C.007	0.031		0.152
20.0	C.004	0.023		0.200
24.0	C.002	0.026		0.120

C-REF-NO 101
 CONS. NO 010
 COUNTRY 18
 INSTITUTE 22

LAT 42-50-00N
 LON 079-35-00W

YEAR 1969
 MONTH 02
 DAY 25
 TIME 1921

NO. DEPTHS 03
 SOUNDING 0130
 BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.0	10	0.16	0.01	2.6	342	14.08	0.056
5.0			0.26	0.01	2.9	338	13.91	0.036
10.0			0.33	0.02	3.0	347	13.99	0.044

DEPTH	SR P04	NH3	TFN03	R SI02
1.0	C.008	0.026		0.056
5.0	C.006	0.019		0.230
10.0	C.008	0.030		0.177

C-REF-NO 101
 CONS. NO 011
 COUNTRY 18
 INSTITUTE 22

LAT 42-31-00N
 LON 079-53-00W

YEAR 1969
 MONTH 02
 DAY 26
 TIME 1607

NO. DEPTHS 06
 SOUNDING 0600
 BT SLIDE NO 011

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	2.7	10	0.14	0.00	2.2	334		0.031
5.0			0.09	0.01	2.5	336	13.76	0.039
10.0			0.08	0.00	2.5	334		0.031
15.0			0.11	0.02	2.5	334	13.76	0.032
20.0			0.09	0.01	2.5	334	13.76	0.028
58.0			0.12	0.00	2.8	331	13.57	0.037

DEPTH	SR PO4	NH3	TFNO3	R SIO2
1.0	C.002	0.028		0.138
5.0	C.007	0.031		0.120
10.0	C.003	0.027		0.135
15.0	C.004	0.025		0.137
20.0	C.007	0.030		0.120
58.0	C.004	0.030		0.137

C-REF-NO 101
 CONS. NO 012
 COUNTRY 18
 INSTITUTE 22

LAT 42-37-00N
 LON 079-56-00W

YEAR 1969
 MONTH 02
 DAY 26
 TIME 1732

NO. DEPTHS 06
 SOUNDING 0550
 BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	3.0	11	0.12	0.01	2.5	330	13.84	0.029
5.0			0.11	0.02	2.3	333	13.85	0.047
10.0			0.12	0.01	2.5	333	13.96	0.035
15.0			0.16	0.02	2.5	334	13.81	0.031
20.0			0.16	0.00	2.2	333		0.032
53.0			0.26	0.00	2.7	332	13.67	0.036

DEPTH	SR PO4	NH3	TFNO3	R SIO2
1.0	C.004	0.022		0.145
5.0	C.008	0.052		0.120
10.0	C.003	0.021		0.120
15.0	C.005	0.028		0.125
20.0	C.004	0.033		0.163
53.0	C.008	0.068		0.347

C-REF-NO 101
 CONS. NO C13
 COUNTRY 18
 INSTITUTE 22

LAT 42-41-00N
 LON 079-42-00W

YEAR 1969
 MONTH 02
 DAY 26
 TIME 1929

NO. DEPTHS 06
 SOUNDING C420
 BT SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0	3.0	10	0.14	0.00	2.2	332	12.97	0.027
5.0			0.14	0.00	2.4	327		0.016
10.0			0.12	0.01	2.2	327	13.62	0.032
15.0			0.17	0.04	2.6	327		0.047
20.0			0.16	0.00	2.4	331		0.032
40.0			0.27	0.02	3.3	332	13.03	0.081

DEPTH	SR P04	NH3	TFN03	R SI02
1.0	C.005	0.031		0.145
5.0	C.003	0.029		0.123
10.0	C.005	0.024		0.162
15.0	C.002	0.025		0.126
20.0	C.003	0.030		0.108
40.0	C.052	0.030		0.065

C-REF-NO 101
 CONS. NO C14
 COUNTRY 18
 INSTITUTE 22

LAT 42-43-00N
 LON 080-15-00W

YEAR 1969
 MONTH 02
 DAY 27
 TIME 1520

NO. DEPTHS 03
 SOUNDING 0100
 BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0	1.5	11	0.53	0.00	2.3	349	15.38	0.038
5.0			0.53	0.00	2.8	347	15.27	0.045
8.0			0.52	0.00	2.6	337	15.34	0.043

DEPTH	SR P04	NH3	TFN03	R SI02
1.0	C.001	0.011		0.000
5.0	C.001	0.011		0.000
8.0	C.001	0.025		0.000

C-REF-NO 101
 CONS. NO 015
 COUNTRY 18
 INSTITUTE 22

LAT 42-45-00N
 LON 080-01-00W

YEAR 1969
 MONTH 02
 DAY 27
 TIME 1634

NO. DEPTHS 03
 SOUNDING 0130
 BT SLIDE NO 015

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.0	11	0.37	0.01	2.6	339	14.33	0.034
5.0			0.35	0.01	2.5	332	14.39	0.026
10.0			0.34	0.00	2.3	334	14.61	0.044

DEPTH	SR P04	NH3	TFN03	R SI02
1.0	0.028	0.032		0.100
5.0	0.002	0.016		0.082
10.0	0.001	0.014		0.107

C-REF-NO 101
 CONS. NO 016
 COUNTRY 18
 INSTITUTE 22

LAT 42-49-00N
 LON 079-46-00W

YEAR 1969
 MONTH 02
 DAY 27
 TIME 1758

NO. DEPTHS 03
 SOUNDING 0120
 BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			0.17	0.01	1.6	351	14.63	0.031
5.0			0.40	0.01	1.7	336	14.74	0.030
10.0			1.42	0.02	3.7	340	15.18	0.041

DEPTH	SR P04	NH3	TFN03	R SI02
1.0	0.003	0.014		0.082
5.0	0.002	0.010		0.082
10.0	0.008	0.036		0.125

CRUISE 69 - 103, May 29 - June 4

C-REF-NO 103
 CONS. NO 001
 COUNTRY 18
 INSTITUTE 22

LAT 42-51-18N
 LON 079-14-42W

YEAR 1969
 MONTH 05
 DAY 30
 TIME 0726

NO. DEPTHS 04
 SOUNDING 0150
 BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			10.74	0.01				
5.0			10.74	0.02				
7.0								
13.0			10.66	0.00				

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					13.1	300E00
5.0						
7.0						101E00
13.0						101E00

C-REF-NO 103
 CONS. NO 002
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 30
 TIME 0831

NO. DEPTHS 05
 SOUNDING 0220
 BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			10.46	0.01	0.2	328	12.16	0.055
5.0			10.45	0.01	0.1	325	12.20	
10.0			10.47	0.01	0.2	326	12.20	0.040
15.0			10.43	0.03	0.2	326	12.27	0.032
20.0			8.40	0.01	0.4	327	11.38	0.039

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.000	0.054	0.060	0.025	16.4	400E00
5.0	0.001	0.032	0.065	0.000		
10.0	0.000	0.019	0.062	0.030		
15.0	0.000	0.012	0.060	0.000		
20.0	0.001	0.024	0.112	0.060		100E01

C-REF-NO 103
 CONS. NO 003
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 30
 TIME 1020

NO. DEPTHS 03
 SOUNDING 0120
 BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.0	10	11.15	0.01		324	12.20	
5.0			11.13	0.00		325	12.35	
10.0			11.16	0.01		324	12.27	

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					21.9	101E00
5.0						
10.0						101E00

C-REF-NO 103
 CONS. NO 004
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 30
 TIME 1109

NO. DEPTHS 03
 SOUNDING 0110
 BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.0	11	12.11	0.00	0.6	321	12.09	0.062
5.0			12.08	0.02	0.6	321	12.09	0.093
10.0			12.09	0.00	0.5	321	12.01	0.067

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.002	0.012	0.090	0.060	27.8	900E00
5.0	0.001	0.014	0.085	0.050		
10.0	0.000	0.012	0.088	0.060		101E00

C-REF-NO 103
 CONS. NO 005
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 30
 TIME 1251

NO. DEPTHS 03
 SOUNDING 0180
 BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.0	10	11.47			329	12.71	
7.0			11.41	0.00		323	12.71	
15.0			11.06	0.01		322	12.48	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL
1.0					27.3	101E00
7.0						200E00
15.0						600E00

C-REF-NO 103
 CONS. NO 006
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 30
 TIME 1434

NO. DEPTHS 03
 SOUNDING 0200
 BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.0	10	12.05	0.02	0.7	322	12.48	0.063
7.0			11.88	0.01	0.7	322	12.55	0.106
18.0			11.90	0.01	0.8	323	12.36	0.084

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL
1.0	0.000	0.016	0.102	0.020	17.2	101E00
7.0	0.000	0.026	0.110	0.020		101E00
18.0	0.000	0.021	0.117	0.020		200E00

C-REF-NO 103
 CONS. NO 007
 COUNTRY 18
 INSTITUTE 22

LAT 42-37-54N
 LON 079-24-00W
 YEAR 1969
 MONTH 05
 DAY 30
 TIME 1618

NO. DEPTHS 06
 SOUNDING 0290
 BT SLIDE NO 007

DEPTH	SECCMI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.0	9	9.71	0.02	0.2	323	13.53	0.043
10.0			9.21	0.00	0.3	321	13.03	0.039
15.0			9.19	0.01	0.3	322	13.46	0.036
20.0			8.42	0.00	0.4	320	13.53	0.031
25.0								
27.0			5.09	0.01	0.6	327	12.08	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.002	0.009	0.025	0.015	6.0	101E00
10.0	0.002	0.012	0.023	0.020		
15.0	0.002	0.009	0.025	0.010		
20.0	0.001	0.016	0.050	0.050		
25.0	0.002	0.024	0.132	0.180		
27.0						101E00

C-REF-NO 103
 CONS. NO 008
 COUNTRY 18
 INSTITUTE 22

LAT 42-44-06N
 LON 079-27-06W
 YEAR 1969
 MONTH 05
 DAY 30
 TIME 1747

NO. DEPTHS 05
 SOUNDING 0230
 BT SLIDE NO 008

DEPTH	SECCMI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	4.0	9	10.03	0.00	0.1	327	12.52	
5.0			10.01	0.00	0.2	323	12.75	0.037
10.0			9.48	0.01	0.2	323	12.66	0.035
15.0			9.39	0.01	0.3	320	12.40	0.042
21.0			9.33	0.01	0.4	323	12.29	0.033

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.002	0.009	0.062	0.010	1.8	101E00
5.0	0.000	0.011	0.062	0.000		
10.0	0.001	0.008	0.060	0.010		
15.0	0.001	0.007	0.060	0.010		
21.0	0.000	0.017	0.060	0.010		101E00

C-REF-NO 103
 CONS. NO 009
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 30
 TIME 1912

NO. DEPTHS 05
 SOUNDING 0150
 BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.0	10	10.75	0.00	0.4	333	12.20	0.031
5.0			10.74	0.00	0.5	326	12.20	0.034
7.0			10.21	0.02				
10.0			9.52	0.00	0.9	328	12.26	0.043
13.0			9.31	0.00	1.3	333	11.67	0.044

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.000	0.007	0.060	0.015	1.8	101E00
5.0	0.000	0.007	0.065	0.010		
7.0						100E01
10.0	0.000	0.012	0.077	0.020		
13.0	0.005	0.020	0.107	0.100		130E02

C-REF-NO 103
 CONS. NO 010
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 30
 TIME 2055

NO. DEPTHS 05
 SOUNDING 0150
 BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	4.0	11	10.88	0.00		324	11.90	
5.0			10.90	0.01		324	12.09	
7.0			10.81	0.02				
10.0			10.14	0.01		324	12.20	
13.0			9.69	0.01		325	12.41	

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					1.7	101E00
5.0						
7.0						101E00
10.0						
13.0						101E00

C-REF-NO 103
 CONS. NO 011
 COUNTRY 18
 INSTITUTE 22

LAT 42-40-51N
 LON 079-41-30W

YEAR 1969
 MONTH 05
 DAY 30
 TIME 2208

NO. DEPTHS 05
 SOUNDING 0330
 BT SLIDE NO 011

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.5	11	9.20	0.01		314	13.36	
10.0			9.08	0.01		314	13.32	
20.0			7.73	0.01		318	12.82	
25.0			5.23	0.02		314	12.43	
31.0			5.20	0.02		314	12.29	

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					8.6	101E00
10.0						
20.0						
25.0						
31.0						101E00

C-REF-NO 103
 CONS. NO 012
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 30
 TIME 2336

NO. DEPTHS 05
 SOUNDING 0320
 BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.0	10	7.93	0.02	0.2	334	14.01	
10.0			7.84	0.00	0.4	328	14.01	
15.0			6.83	0.01	0.3	326	13.81	
20.0			6.43	0.01	0.3	325	13.78	
30.0			5.12	0.01	0.4	328	13.40	

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					10.4	
10.0						
15.0						
20.0						
30.0						

C-REF-NO 103
 CONS. NO 013
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 31
 TIME 0031

NO. DEPTHS 03
 SOUNDING 0200
 BT SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PD4
1.0	2.0	10	12.60	0.00	0.8	326	11.87	
7.0			12.61	0.01	0.9	326	11.94	
18.0			11.76	0.03	0.7	325	12.33	

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					12.6	800E00
7.0						400E00
18.0						200E00

C-REF-NO 103
 CONS. NO 014
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 31
 TIME 0203

NO. DEPTHS 03
 SOUNDING 0190
 BT SLIDE NO 014

DEPTH	SECCMI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PD4
1.0			11.66	0.00	0.2	330	12.31	0.047
7.0			11.67	0.00	0.3	324	12.31	0.047
17.0			11.44	0.02	0.4	325	11.94	0.044

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.000	0.008	0.082	0.000	11.8	180E01
7.0	0.000	0.007	0.087	0.010		100E01
17.0	0.000	0.009	0.067	0.035		100E02

C-REF-NO 103
 CONS. NO 015
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 31
 TIME 0324

NO. DEPTHS 05
 SOUNDING 0480
 BT SLIDE NO 015

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			8.82	0.01		335	13.46	
5.0			8.82	0.00		333	13.38	
10.0			7.69	0.01		328	13.06	
20.0			7.41	0.03		328	13.07	
46.0			4.20	0.00		332	12.97	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					13.9	
5.0						
10.0						
20.0						
46.0						

C-REF-NO 103
 CONS. NO 016
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 31
 TIME 0436

NO. DEPTHS 06
 SOUNDING 0660
 BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			8.72	0.00	0.4	323	13.64	0.043
10.0			8.71	0.01	0.5	322	13.68	0.059
20.0			6.58	0.01	0.5	326	13.47	0.037
35.0			4.41	0.00	0.5	328	13.36	0.037
62.0								0.029
64.0			4.30	0.01	0.8	329	13.18	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.003	0.039	0.067	0.030	13.9	101E00
10.0	0.002	0.110	0.055	0.025		
20.0	0.004	0.032	0.107	0.040		
35.0	0.011	0.044	0.137	0.150		
62.0	0.001	0.023	0.112	0.045		
64.0						600E00

C-REF-NO 103
 CONS. NO 017
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 31
 TIME 0547

NO. DEPTHS 05
 SOUNDING 0480
 BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			9.75	0.01	0.2	324	13.19	
15.0			8.07	0.00	0.3	318	13.44	
30.0			6.01	0.01	0.4	327	13.27	
40.0			4.87	0.00	0.3	322	12.49	
46.0			4.88	0.01	11.0	323	12.50	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL
1.0					11.4	
15.0						
30.0						
40.0						
46.0						

C-REF-NO 103
 CONS. NO 018
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 31
 TIME 0704

NO. DEPTHS 04
 SOUNDING 0140
 BT SLIDE NO 018

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			11.97	0.00	0.4	329	11.66	0.022
5.0			11.12	0.01	0.3	329	11.78	0.026
9.0			5.82	0.01	1.1	329	12.27	0.030
12.0			5.82	0.01	1.7	327	12.35	0.039

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL
1.0	0.000	0.035	0.078	0.040	8.5	700E00
5.0	0.000	0.012	0.062	0.030		101E00
9.0	0.001	0.023	0.112	0.175		101E00
12.0	0.002	0.039	0.114	0.195		101E00

C-REF-NO 103
 CONS. NO 019
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 31
 TIME 0858

NO. DEPTHS 03
 SOUNDING 0110
 BT SLIDE NO 019

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON.	O2 W	T P04
1.0			12.15	0.00		331	11.64	
5.0			12.14	0.00		329	11.97	
9.0			6.77	0.00		331	12.43	

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					8.9	101E00
5.0						
9.0						101E00

C-REF-NO 103
 CONS. NO 020
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 31
 TIME 1205

NO. DEPTHS 05
 SOUNDING 0360
 BT SLIDE NO 020

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	1.0	11	10.82	0.02		336	11.56	
10.0			10.69	0.03		331	11.48	
15.0			10.06	0.02		330	11.64	
25.0			4.91	0.01		332	12.48	
34.0			4.70	0.02		334	11.82	

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					5.3	360E02
10.0						
15.0						100E01
25.0						240E01
34.0						140E01

C-REF-NO 103
 CONS. NO 021
 COUNTRY 18
 INSTITUTE 22

LAT 42-21-48N
 LON 080-03-54W

YEAR 1969
 MONTH 05
 DAY 31
 TIME 1332

NO. DEPTHS 05
 SOUNDING 0330
 BT SLIDE NO 021

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.0	10	9.43	0.00		331	13.55	
5.0			9.29	0.01		328	13.70	
10.0			9.12	0.01		328	13.63	
20.0			6.20	0.01		327	13.40	
31.0			4.80	0.01		330	12.74	

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					7.9	101E00
5.0						
10.0						
20.0						
31.0						101E00

C-REF-NO 103
 CONS. NO 022
 COUNTRY 18
 INSTITUTE 22

LAT 42-12-44N
 LON 079-59-36W

YEAR 1969
 MONTH 05
 DAY 31
 TIME 1458

NO. DEPTHS 03
 SOUNDING 0140
 BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.0	11	13.68	0.01		324	12.63	
7.0			13.48	0.00		325	12.63	
12.0			13.18	0.02		326	12.02	

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					18.5	200E00
7.0						200E00
12.0						500E00

C-REF-NO 103
 CONS. NO 023
 COUNTRY 18
 INSTITUTE 22

LAT 42-10-18N
 LON 080-03-24W

YEAR 1969
 MONTH 05
 DAY 31
 TIME 1533

NO. DEPTHS 02
 SOUNDING 0100
 BT SLIDE NO 023

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	1.5	11	14.46			326	11.25	
7.0			14.16	0.02		329	11.10	

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					9.7	300E01
7.0						140E02

C-REF-NO 103
 CONS. NO 024
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 31
 TIME 1654

NO. DEPTHS 02
 SOUNDING 0080
 BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	1.2	11	13.98	0.01	1.3	324	12.98	0.078
6.0			13.82	0.02	1.3	324	12.74	0.090

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.003	0.033	0.222	0.060	31.1	400E00
6.0	0.002	0.020	0.222	0.040		200E00

C-REF-NO 103
 CONS. NO 025
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 31
 TIME 1825

NO. DEPTHS 04
 SOUNDING 0140
 BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.0	9	11.31	0.01	0.1	331	12.60	0.034
5.0			11.37	0.02	0.2	330	12.63	0.033
9.0			10.60	0.00	0.3	326	12.87	0.037
12.0			9.72	0.02	0.4	328	13.01	0.031

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.002	0.009	0.035	0.020	4.3	101E00
5.0	0.001	0.022	0.037	0.015		
9.0	0.000	0.007	0.033	0.015		
12.0	0.001	0.008	0.057	0.010		101E00

C-REF-NO 103
 CONS. NO 026
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 31
 TIME 2005

NO. DEPTHS 04
 SOUNDING 0160
 BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	3.0	9	14.32	0.00	0.3	325	11.17	0.020
5.0			13.68	0.01	0.3	321	11.27	0.023
10.0			12.45	0.01	0.3	325	11.37	0.035
14.0			9.50	0.02	0.2	327	11.41	0.026

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.003	0.018	0.052	0.035	1.7	
5.0	0.003	0.025	0.037	0.020		
10.0	0.000	0.013	0.035	0.010		
14.0	0.000	0.047	0.062	0.010		

C-REF-NO 103
 CONS. NO 027
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 31
 TIME 2057

NO. DEPTHS 03
 SOUNDING 0120
 BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	3.0	11	13.01	0.02	0.9	325	11.28	0.045
5.0			11.86	0.04	2.3	327	10.82	0.029
10.0			11.18	0.01	1.1	327	10.43	0.034

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.004	0.029	0.045	0.045	2.5	101E00
5.0	0.002	0.033	0.045	0.045		
10.0	0.004	0.022	0.043	0.045		200E00

C-REF-NO 103
 CONS. NO 028
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 05
 DAY 31
 TIME 2245

NO. DEPTHS 04
 SOUNDING 0170
 BT SLIDE NO 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	3.0	11	13.87	0.00		324	11.60	
5.0			13.84	0.00		323	11.61	
10.0			12.23	0.00		327	9.60	
16.0			9.14	0.02		325	11.69	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					5.4	
5.0						
10.0						
16.0						

C-REF-NO 103
 CONS. NO 029
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 01
 TIME 0002

NO. DEPTHS 04
 SOUNDING 0200
 BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	3.0	9	12.69	0.01		338	11.94	
5.0			12.73	0.02		328	11.94	
10.0			11.80	0.00		329	12.28	
18.0			9.96	0.03		331	11.61	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					14.6	
5.0						
10.0						
18.0						

C-REF-NO 103
 CONS. NO 030
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 01
 TIME 0147

NO. DEPTHS 05
 SOUNDING 0240
 BT SLIDE NO 030

DEPTH	SECCMI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			12.32	0.01		339	12.02	
5.0			12.34	0.02		330	12.02	
10.0			11.56	0.00		331	12.20	
15.0			10.69	0.02		330	11.94	
22.0			8.89	0.00		332	9.95	

DEPTH	SR P04	NH3	TFNO3	R SI02	CHLORA	MF COL
1.0					11.7	
5.0						
10.0						
15.0						
22.0						

C-REF-NO 103
 CONS. NO 031
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 01
 TIME 0321

NO. DEPTHS 03
 SOUNDING 0120
 BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			14.57	0.00		321	12.74	
5.0			14.58	0.02		316	12.84	
10.0			13.90	0.01		319	13.00	

DEPTH	SR P04	NH3	TFNO3	R SI02	CHLORA	MF COL
1.0					26.0	
5.0						
10.0						

C-REF-NO 103
 CONS. NO 032
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 01
 TIME 0451

NO. DEPTHS 04
 SOUNDING 0160
 BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			14.24	0.00	1.0	320	12.69	0.087
5.0			14.24	0.01	1.0	307	12.86	0.094
10.0			12.76	0.01	0.5	313	12.91	
14.0			11.82	0.02	0.4	319	12.25	0.063

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.004	0.012	0.190	0.100	35.3	800E00
5.0	0.004	0.011	0.169	0.055		101E00
10.0	0.005	0.025	0.163	0.015		500E00
14.0	0.005	0.035	0.172	0.050		500E00

C-REF-NO 103
 CONS. NO 033
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 01
 TIME 0627

NO. DEPTHS 05
 SOUNDING 0230
 BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			12.08	0.01	0.1	326	12.16	0.024
5.0			12.09	0.02	0.1	325	12.08	0.026
10.0			12.02	0.01	0.1	327	12.17	0.030
15.0			10.80	0.03	0.2	323	12.23	0.033
21.0			9.39	0.01	0.1	327	11.85	0.028

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.000	0.022	0.030	0.000	12.3	101E00
5.0	0.000	0.008	0.010	0.000		
10.0	0.000	0.005	0.014	0.000		
15.0	0.000	0.003	0.012	0.000		
21.0	0.000	0.003	0.005	0.000		100E00

C-REF-NO 103
 CONS. NO 034
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 01
 TIME 0800

NO. DEPTHS 05
 SOUNDING 0210
 BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			12.04	0.01		317	12.16	
5.0			12.04	0.01		316	12.12	
10.0			10.74	0.01		318	12.66	
15.0			10.15	0.02		317	12.00	
19.0			9.32	0.01		316	11.44	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					8.9	101E00
5.0						
10.0						
15.0						
19.0						101E00

C-REF-NO 103
 CONS. NO 035
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 01
 TIME 0940

NO. DEPTHS 04
 SOUNDING 0200
 BT SLIDE NO 035

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			12.54	0.01	0.1	315	11.94	0.030
5.0			12.55	0.02	0.1	318	11.97	0.030
10.0			12.38	0.03	0.2	318	12.04	0.030
18.0			8.72	0.00	0.1	321	10.51	0.040

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.002	0.044	0.020	0.000	10.6	100E00
5.0	0.001	0.013	0.015	0.000		
10.0	0.000	0.008	0.005	0.000		
18.0	0.000	0.006	0.045	0.050		200E00

C-REF-NO 103
 CONS. NO 036
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 01
 TIME 1123

NO. DEPTHS 03
 SOUNDING 0110
 BT SLIDE NO 036

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.0	11	13.70	0.00	1.0	325	11.05	0.032
5.0			13.70	0.00	1.1	325	11.10	0.031
9.0			11.89	0.00	3.1	326	10.75	0.047

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.003	0.026	0.055	0.020	10.6	101E00
5.0	0.001	0.012	0.037	0.000		
9.0	0.001	0.015	0.062	0.000		300E00

C-REF-NO 103
 CONS. NO 037
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 01
 TIME 1254

NO. DEPTHS 03
 SOUNDING 0140
 BT SLIDE NO 037

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.0	11	13.40	0.01		327	11.08	
5.0			13.41	0.02		326	11.08	
12.0			9.86	0.02		329	9.65	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					6.8	
5.0						
12.0						

C-REF-NO 103
 CONS. NO 038
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 01
 TIME 1424

NO. DEPTHS 04
 SOUNDING 0200
 BT SLIDE NO 038

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	2.0	11	11.97	0.01		327	12.51	
5.0			11.97	0.04		319	12.55	
10.0			11.97	0.02		318	12.51	
18.0			9.27	0.01		320	12.02	

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					9.7	
5.0						
10.0						
18.0						

C-REF-NO 103
 CONS. NO 039
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 01
 TIME 1545

NO. DEPTHS 04
 SOUNDING 0220
 BT SLIDE NO 039

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	3.0	11	12.00	0.00		328	12.43	
10.0			11.84	0.02		325	12.57	
15.0			10.14	0.02		326	12.43	
20.0			9.42	0.01		324	11.85	

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					6.4	
10.0						
15.0						
20.0						

C-REF-NO 103
 CONS. NO 040
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 01
 TIME 1715

NO. DEPTHS 05
 SOUNDING 0220
 BT SLIDE NO 040

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.5	10	12.71	0.01	0.2	323	12.80	
5.0			12.50	0.02	0.3	318	12.78	
10.0			11.84	0.02	0.2	319	12.89	
15.0			10.27	0.01	0.2	321	12.23	
20.0			9.26	0.00	0.3	321	11.85	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					8.4	
5.0						
10.0						
15.0						
20.0						

C-REF-NO 103
 CONS. NO 041
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 01
 TIME 1901

NO. DEPTHS 04
 SOUNDING 0150
 BT SLIDE NO 041

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	1.5	11	14.60	0.00	1.3	303	14.11	
5.0			14.17	0.02	0.9	300	12.35	
10.0			12.51	0.02	0.3	306	11.69	
13.0			12.16	0.00	0.3	307	11.52	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					26.9	
5.0						
10.0						
13.0						

C-REF-NO 103
 CONS. NO 042
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 01
 TIME 2033

NO. DEPTHS 04
 SOUNDING 0170
 BT SLIDE NO 042

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	1.5	11	15.95	0.00		307	13.68	
5.0			14.80	0.02		314	11.81	
10.0			13.21	0.01		309	11.20	
15.0			8.79	0.00		305	9.34	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					37.8	220E01
5.0						
10.0						180E01
15.0						400E01

C-REF-NO 103
 CONS. NO 043
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 01
 TIME 2202

NO. DEPTHS 04
 SOUNDING 0240
 BT SLIDE NO 043

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.0	10	14.24	0.01		303	12.87	
5.0			14.16			304	13.33	
10.0			11.70	0.01		309	12.53	
22.0			7.35	0.01		323	9.82	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					11.8	101E00
5.0						
10.0						
22.0						500E00

C-REF-NO 103
 CONS. NO 044
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 01
 TIME 2326

NO. DEPTHS 05
 SOUNDING 0240
 BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.0	8	12.62	0.01		332	12.24	
5.0			12.50	0.01		325	12.28	
10.0			12.11	0.02		322	12.39	
15.0			10.28	0.01		324	12.48	
22.0			7.39	0.01		325	9.66	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					9.7	101E00
5.0						
10.0						
15.0						
22.0						101E00

C-REF-NO 103
 CONS. NO 045
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 02
 TIME 0102

NO. DEPTHS 04
 SOUNDING 0230
 BT SLIDE NO 045

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			12.64	0.01		321	12.71	
10.0			12.40	0.01		312	12.80	
15.0			9.31	0.02		317	12.86	
21.0			7.48	0.01		318	10.03	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					16.0	101E00
10.0						
15.0						
21.0						101E00

C-REF-NO 103
 CONS. NO 046
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 02
 TIME 0247

NO. DEPTHS 03
 SOUNDING 0140
 BT SLIDE NO 046

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			14.28	0.01		328	11.54	
7.0			13.57	0.00		325	11.83	
11.0			12.31	0.02		325	11.35	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					11.0	101E00
7.0						101E00
11.0						101E00

C-REF-NO 103
 CONS. NO 047
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 02
 TIME 0420

NO. DEPTHS 04
 SOUNDING 0140
 BT SLIDE NO 047

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			13.64	0.01	0.2	323	11.64	0.029
5.0			13.63	0.01	0.3	320	12.08	0.029
10.0			13.48	0.01	0.4	321	11.53	0.041
12.0			10.55	0.01	0.4	327	11.87	0.047

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.000	0.015	0.027	0.015	11.4	
5.0	0.000	0.017	0.025	0.025		
10.0	0.000	0.019	0.026	0.015		
12.0	0.000	0.023	0.032	0.025		

C-REF-NO 103
 CONS. NO 048
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 02
 TIME 0530

NO. DEPTHS 05
 SOUNDING 0220
 BT SLIDE NO 048

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			13.45	0.02	0.2	323	12.46	0.031
5.0			13.44	0.00	0.3	322	12.87	0.031
10.0			13.37	0.02	0.4	319	12.24	0.030
15.0			9.89	0.01	0.2	318	11.13	0.029
20.0			7.35	0.01	0.4	324	9.27	0.039

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.000	0.015	0.020	0.000	11.4	
5.0	0.000	0.016	0.019	0.025		
10.0	0.002	0.029	0.025	0.015		
15.0	0.000	0.020	0.200	0.000		
20.0	0.000	0.044	0.085	0.150		

C-REF-NO 103
 CONS. NO 049
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 02
 TIME 0708

NO. DEPTHS 05
 SOUNDING 0250
 BT SLIDE NO 049

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			12.66	0.03	0.1	317	12.39	
5.0			12.65	0.00	0.1	315	12.43	
10.0			12.54	0.00	0.2	315	12.49	
15.0			10.45	0.00	0.2	319	12.50	
23.0			6.72	0.01	0.3	326	10.14	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					11.4	
5.0						
10.0						
15.0						
23.0						

C-REF-NO 103
 CONS. NO 050
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 02
 TIME 0847

NO. DEPTHS 05
 SOUNDING 0230
 BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			13.82	0.01	0.1	306	11.92	0.043
5.0			13.81	0.01	0.1	306	12.03	0.044
10.0			13.15	0.02	0.1	308	12.16	0.060
15.0			11.02	0.00	0.1	311	11.72	0.047
21.0			6.93	0.02	0.1	328	9.88	0.027

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.000	0.027	0.050	0.025	10.5	
5.0	0.002	0.016	0.037	0.010		
10.0	0.003	0.026	0.500	0.005		
15.0	0.002	0.034	0.048	0.010		
21.0	0.002	0.038	0.098	0.155		

C-REF-NO 103
 CONS. NO 051
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 02
 TIME 1026

NO. DEPTHS 04
 SOUNDING 0160
 BT SLIDE NO 051

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.5	11	15.49	0.01	0.6	315	12.35	0.074
5.0			15.48	0.00	0.5	315	12.42	0.077
10.0			14.77	0.03	0.6	316	12.16	0.084
14.0			11.06	0.00	0.7	323	8.93	0.045

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.002	0.032	0.106	0.030	10.5	
5.0	0.003	0.030	0.104	0.020		
10.0	0.004	0.030	0.106	0.035		
14.0	0.005	0.090	0.260	0.200		

C-REF-NO 103
 CONS. NO 052
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 02
 TIME 1201

NO. DEPTHS 04
 SOUNDING 0190
 BT SLIDE NO 052

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	1.5	11	15.12	0.00		313	11.94	
5.0			15.12	0.01		308	11.94	
10.0			12.57	0.01		312	10.87	
17.0			9.04	0.01		312	8.95	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					14.7	101E00
5.0						400E00
10.0						200E00
17.0						430E01

C-REF-NO 103
 CONS. NO 053
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 02
 TIME 1329

NO. DEPTHS 03
 SOUNDING 0120
 BT SLIDE NO 053

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	1.0	11	16.61	0.00		312	10.79	
7.0			16.60	0.03		312	10.73	
10.0			16.46	0.00		310	10.95	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					12.3	420E03
7.0						720E03
10.0						

C-REF-NO 103
 CONS. NO 054
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 02
 TIME 1413

NO. DEPTHS 03
 SOUNDING 0110
 BT SLIDE NO 054

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	1.0	11	16.32	0.02		316	9.65	
5.0			16.31	0.02		321	9.49	
9.0			16.27	0.01		318	10.10	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					11.4	490E03
5.0						900E03
9.0						

C-REF-NO 103
 CONS. NO 055
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 02
 TIME 1445

NO. DEPTHS 03
 SOUNDING 0130
 BT SLIDE NO 055

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	1.0	11	16.39	0.01		313	10.26	
7.0			16.40	0.02		311	10.18	
11.0			16.40	0.01		311	10.26	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					8.9	700E03
7.0						820E03
11.0						760E03

C-REF-NO 103
 CONS. NO 056
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 02
 TIME 1515

NO. DEPTHS 03
 SOUNDING 0160
 BT SLIDE NO 056

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	2.0	11	15.79	0.02	0.4	308	11.08	0.061
7.0			15.61	0.02	0.4	308	11.01	0.093
14.0			13.34	0.00	0.8	315	9.59	0.073

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.007	0.084	0.255	0.120	12.3	800E00
7.0	0.003	0.044	0.136	0.052		280E01
14.0	0.002	0.043	0.137	0.054		730E01

C-REF-NO 103
 CONS. NO 057
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 02
 TIME 1738

NO. DEPTHS 05
 SOUNDING 0240
 BT SLIDE NO 057

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	2.0	11	14.08	0.02	0.2	304	12.08	
5.0			14.08	0.02	0.2	301	11.62	
10.0			14.07	0.00	0.3	303	11.61	
17.0			6.88	0.00	0.2	312	10.93	
22.0			6.66	0.01	0.3	315	10.24	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					15.2	550E01
5.0						
10.0						
17.0						
22.0						101E00

C-REF-NO 103
 CONS. NO 058
 COUNTRY 18
 INSTITUTE 22

LAT 42-02-12N
 LON 081-48-42W
 YEAR 1969
 MONTH 06
 DAY 02
 TIME 1904

NO. DEPTHS 04
 SOUNDING 0230
 BT SLIDE NO 058

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.5	11	12.90	0.02	0.1	316	12.70	
5.0			12.90	0.01	0.2	312	12.73	
10.0			12.69	0.00	0.2	313	12.53	
21.0			6.64	0.01	0.3	320	10.13	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					18.5	101E00
5.0						
10.0						
21.0						101E00

C-REF-NO 103
 CONS. NO 059
 COUNTRY 18
 INSTITUTE 22

LAT 42-12-12N
 LON 081-54-24W
 YEAR 1969
 MONTH 06
 DAY 02
 TIME 2032

NO. DEPTHS 04
 SOUNDING 0170
 BT SLIDE NO 059

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.0	11	13.80	0.04		313	11.51	
5.0			13.79	0.03		313	11.55	
10.0			11.59	0.05		315	11.51	
15.0			8.46	0.00		325	8.79	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					11.8	101E00
5.0						
10.0						101E00
15.0						800E00

C-REF-NO 103
 CONS. NO 060
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 02
 TIME 2209

NO. DEPTHS 05
 SOUNDING 0210
 BT SLIDE NO 060

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.5	11	14.02	0.03		309	11.48	
5.0			14.01	0.03		310	11.44	
10.0			13.27	0.03		311	11.30	
15.0			10.07	0.01		309	11.31	
19.0			7.97	0.03		313	11.30	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					9.7	
5.0						
10.0						
15.0						
19.0						

C-REF-NO 103
 CONS. NO 061
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 02
 TIME 2334

NO. DEPTHS 05
 SOUNDING 0220
 BT SLIDE NO 061

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.0	11	13.50	0.04		314	12.43	
5.0			13.48	0.01		307	12.43	
10.0			13.41	0.00		305	12.42	
15.0			10.07	0.01		312	12.12	
20.0			7.17	0.01		313	10.01	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					10.5	
5.0						
10.0						
15.0						
20.0						

C-REF-NO 103
 CONS. NO 062
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 03
 TIME 0112

NO. DEPTHS 04
 SOUNDING 0210
 BT SLIDE NO 062

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			14.42	0.03		306	11.34	
10.0			14.29	0.02		295	11.34	
15.0			11.15	0.01		306	10.95	
19.0			6.93	0.00		310	10.28	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					8.0	
10.0						
15.0						
19.0						

C-REF-NO 103
 CONS. NO 063
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 03
 TIME 0245

NO. DEPTHS 04
 SOUNDING 0200
 BT SLIDE NO 063

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			15.41	0.03		306	10.64	
5.0			15.40	0.01		304	10.64	
10.0			15.34	0.00		303	10.87	
18.0			8.69	0.01		314	8.32	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					8.5	200E00
5.0						
10.0						
18.0						100E01

C-REF-NO 103
 CONS. NO 064
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 03
 TIME 0351

NO. DEPTHS 03
 SOUNDING 0140
 BT SLIDE NO 064

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			15.82	0.02	0.5	306	10.23	
7.0			15.72	0.01	0.7	305	10.03	
12.0			15.19	0.02	1.5	308	9.39	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					8.9	700E01
7.0						290E02
12.0						110E02

C-REF-NO 103
 CONS. NO 065
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 03
 TIME 0429

NO. DEPTHS 03
 SOUNDING 0120
 BT SLIDE NO 065

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			15.84	0.01	0.6	304	10.23	
7.0			15.83	0.02	0.5	306	10.34	
10.0			15.81	0.02	0.6	303	10.65	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					8.5	100E01
7.0						100E01
10.0						101E00

C-REF-NO 103
 CONS. NO 066
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 03
 TIME 0557

NO. DEPTHS 03
 SOUNDING 0150
 BT SLIDE NO 066

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			15.73	0.00	0.4	301	10.41	0.050
7.0			15.74	0.01	0.4	298	10.67	0.051
13.0			15.43	0.00	0.6	299	11.76	0.048

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.002	0.037	0.200	0.250	8.5	101E00
7.0	0.003	0.035	0.180	0.250		600E00
13.0	0.004	0.040	0.180	0.245		300E01

C-REF-NO 103
 CONS. NO 067
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 03
 TIME 0734

NO. DEPTHS 04
 SOUNDING 0190
 BT SLIDE NO 067

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			13.93	0.00	0.1	296	10.53	0.035
5.0			13.91	0.03	0.1	296	10.55	0.033
10.0			13.76	0.01	0.1	298	10.53	0.033
16.0			8.19	0.00	0.2	307	9.21	0.044

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.002	0.055	0.120	0.100	4.7	100E00
5.0	0.002	0.038	0.100	0.100		
10.0	0.000	0.036	0.098	0.095		
16.0	0.000	0.046	0.100	0.095		530E01

C-REF-NO 103
 CONS. NO 068
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 03
 TIME 0920

NO. DEPTHS 04
 SOUNDING 0180
 BT SLIDE NO 068

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0			13.34	0.00	0.2	302	11.16	0.043
5.0			13.34	0.02	0.1	302	11.13	0.055
10.0			13.25	0.04	0.1	303	11.14	0.041
16.0			10.43	0.00	0.1	309	11.36	0.045

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.000	0.040	0.093	0.060	10.5	101E00
5.0	0.000	0.035	0.087	0.060		
10.0	0.000	0.028	0.085	0.050		
16.0	0.000	0.044	0.105	0.170		101E00

C-REF-NO 103
 CONS. NO 069
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 03
 TIME 1142

NO. DEPTHS 05
 SOUNDING 0160
 BT SLIDE NO 069

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	3.0	11	13.68	0.01	0.2	315	10.87	0.032
5.0			13.67	0.02	0.2	310	10.87	0.047
7.0								
10.0			13.18	0.03	0.2	310	11.03	0.035
14.0			9.92	0.00	0.2	316	10.17	0.033

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.002	0.034	0.090	0.025	7.6	101E00
5.0	0.003	0.025	0.086	0.025		
7.0						270E01
10.0	0.000	0.023	0.076	0.020		
14.0	0.000	0.044	0.075	0.365		150E01

C-REF-NO 103
 CONS. NO 070
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 03
 TIME 1417

NO. DEPTHS 03
 SOUNDING 0110
 BT SLIDE NO 070

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	1.0	11	15.70	0.00		279	8.87	
5.0			15.18	0.02		279	8.92	
9.0			15.68	0.00		278	8.87	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL
1.0					8.0	180E01
5.0						
9.0						100E01

C-REF-NO 103
 CONS. NO 071
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 03
 TIME 1543

NO. DEPTHS 04
 SOUNDING 0150
 BT SLIDE NO 071

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.0	11	14.52	0.00		296	9.44	
5.0			14.51	0.02		296	9.39	
10.0			14.50	0.02		294	9.49	
13.0			14.46	0.01		294	9.41	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL
1.0					0.4	
5.0						
10.0						
13.0						

C-REF-NO 103
 CONS. NO 072
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 03
 TIME 1705

NO. DEPTHS 03
 SOUNDING 0130
 BT SLIDE NO 072

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	1.5	11	16.15	0.00	1.8	306	9.58	
5.0			16.15	0.01	1.7	305	9.50	
11.0			16.15	0.03	1.7	303	9.31	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL
1.0					6.9	
5.0						
11.0						

C-REF-NO 103
 CONS. NO 073
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 03
 TIME 1823

NO. DEPTHS 03
 SOUNDING 0110
 BT SLIDE NO 073

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	1.5	11	16.23	0.00	1.0	308	9.49	0.077
5.0			16.23	0.00	1.0	309	9.44	0.073
9.0			16.22	0.02	1.0	310	9.45	0.072

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL
1.0	0.012	0.090	0.543	0.408	7.5	
5.0	0.010	0.096	0.564	0.408		
9.0	0.024	0.189	0.573	0.444		

C-REF-NO 103
 CONS. NO 074
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 03
 TIME 1933

NO. DEPTHS 03
 SOUNDING 0110
 BT SLIDE NO 074

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	0.8	11	16.35	0.00				
7.0			16.33	0.02				
9.0			16.34	0.01				

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL
1.0						150E01
7.0						
9.0						500E01

C-REF-NO 103
 CONS. NO 075
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 03
 TIME 2015

NO. DEPTHS 03
 SOUNDING 0100
 BT SLIDE NO 075

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	1.5	11	15.84	0.00		289	9.18	
5.0			15.83	0.01		290	9.18	
8.0			15.83	0.00		289	9.18	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL
1.0					5.5	900E00
5.0						
8.0						600E00

C-REF-NO 103
 CONS. NO 076
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 03
 TIME 2203

NO. DEPTHS 03
 SOUNDING 0100
 BT SLIDE NO 076

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	1.5	11	16.08	0.01	3.0	264	9.26	0.077
5.0			16.09	0.01	3.7	264	9.23	0.083
8.0			16.08	0.01	3.7	264	9.21	0.076

DEPTH	SR P04	NH3	TFND3	R SIO2	CHLORA	MF COL
1.0	0.006	0.096	0.892	0.220	9.4	140E02
5.0	0.004	0.072	0.162	0.190		
8.0	0.003	0.065	0.130	0.180		800E01

C-REF-NO 103
 CONS. NO 077
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 03
 TIME 2327

NO. DEPTHS 03
 SOUNDING 0100
 BT SLIDE NO 077

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	1.0	11	16.56	0.00	6.0	282	9.07	
5.0			16.58	0.00	6.0	281	9.10	
8.0			16.58	0.01		282	9.04	

DEPTH	SR P04	NH3	TFND3	R SIO2	CHLORA	MF COL
1.0					7.2	500E01
5.0						
8.0						130E02

C-REF-NO 103
 CONS. NO 078
 COUNTRY 18
 INSTITUTE 22

LAT 41-43-36N
 LON 083-09-00W

YEAR 1969
 MONTH 06
 DAY 04
 TIME 0044

NO. DEPTHS 02
 SOUNDING 0080
 BT SLIDE NO 078

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			16.34	0.01	2.5	299	9.07	0.185
6.0			16.33	0.02	3.0	294	9.01	0.152

DEPTH	SR P04	NH3	TFND3	R SIO2	CHLORA	MF COL
1.0	0.076	0.108	0.264	0.180	23.1	120E02
6.0	0.070	0.078	0.260	0.185		100E02

C-REF-NO 103
 CONS. NO 079
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 04
 TIME 0214

NO. DEPTHS 02
 SOUNDING 0090
 BT SLIDE NO 079

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			15.89	0.00	1.2	254	9.85	0.090
7.0			15.89	0.00	1.3	241	9.85	0.090

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL
1.0	0.027	0.018	0.170	0.010	25.6	100E01
7.0	0.025	0.020	0.168	0.010		680E01

C-REF-NO 103
 CONS. NO 080
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 04
 TIME 0322

NO. DEPTHS 02
 SOUNDING 0090
 BT SLIDE NO 080

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			15.67	0.02	2.5	252	9.63	
7.0			15.68	0.01	2.7	249	9.59	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL
1.0					18.5	700E02
7.0						600E02

C-REF-NO 103
 CONS. NO 081
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 04
 TIME 0420

NO. DEPTHS 03
 SOUNDING 0100
 BT SLIDE NO 081

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			15.13	0.01	2.5	272	9.75	
5.0			15.13	0.02	2.5	269	9.52	
8.0			15.13	0.01	2.5	269	9.47	

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL
1.0					14.3	120E01
5.0						
8.0						240E01

C-REF-NO 103
 CONS. NO 082
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 04
 TIME 0535

NO. DEPTHS 03
 SOUNDING 0110
 BT SLIDE NO 082

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			15.33	0.01	1.7	263	9.34	0.075
7.0			15.33	0.02	1.7	260	9.19	0.093
9.0			15.33	0.00	1.7	261	9.28	0.088

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0	0.017	0.050	0.160	0.215	9.7	101E00
7.0	0.017	0.055	0.170	0.230		
9.0	0.018	0.057	0.160	0.240		101E00

C-REF-NO 103
 CONS. NO 083
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 06
 DAY 04
 TIME 0704

NO. DEPTHS 02
 SOUNDING 0100
 BT SLIDE NO 083

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			15.40	0.00	5.5	276	9.07	
7.0			15.40	0.01	6.5	275	9.04	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL
1.0					5.5	520E01
7.0						140E02

CRUISE 69 - 104, July 2 - 6

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

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

YEAR 1969
 MONTH 07
 DAY 03
 TIME 1708

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	2.5	11	21.62	0.02	1.7	296	9.69
4.0			21.82	0.00	1.8	291	9.74
7.0			20.99		2.1	291	9.17
10.0			20.20	0.00	1.9	294	8.50

C-REF-NO 104
 CONS. NO 002
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 03
 TIME 1839

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	2.0	11	21.90	0.01	1.2	304	11.23
4.0			21.92	0.00	1.2	302	11.18
7.0			20.95		1.2	302	10.21
10.0			20.40	0.01	1.7	308	8.17

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

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

YEAR 1969
 MONTH 07
 DAY 03
 TIME 2003

NO. DEPTHS 04
 SOUNDING 0130
 BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	3.0	11	21.12	0.01	0.2	291	10.24
4.0			21.12	0.00	0.3	292	10.24
7.0			20.37	0.00	0.4	291	10.04
10.0			20.22	0.00	0.5	293	9.72

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

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

YEAR 1969
 MONTH 07
 DAY 03
 TIME 2149

NO. DEPTHS 05
 SOUNDING 0130
 BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	5.0	10	21.42	0.01	0.2	286	9.67
4.0			21.34	0.01	0.2	281	9.72
7.0			20.18	0.01	0.3	279	9.66
10.0			19.79	0.00	0.3	279	9.01
12.0			17.06	0.01	0.5	281	6.33

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

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

YEAR 1969
 MONTH 07
 DAY 03
 TIME 2307

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	2.0	11	21.32	0.01	1.1	263	12.83
4.0			20.98	0.02	1.1	263	12.42
7.0			19.93	0.01	0.9	269	9.45
10.0			19.55	0.01	0.9	270	8.82

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

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

YEAR 1969
 MONTH 07
 DAY 04
 TIME 0134

NO. DEPTHS 05
 SOUNDING 0140
 BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0			20.40	0.00	0.3	276	10.05
4.0			20.41	0.00	0.4	274	10.04
7.0			19.76	0.01	0.7	273	9.91
10.0			19.50	0.02	0.6	273	9.38
13.0			11.27	0.01	0.7	302	5.15

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

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

YEAR 1969
 MONTH 07
 DAY 04
 TIME 0318

NO. DEPTHS 06
 SOUNDING 0190
 BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W
1.0			19.89	0.01	0.2	302	9.92
4.0			19.90	0.01	0.2	303	9.92
7.0			19.89	0.00	0.3	305	9.87
10.0			19.39	0.01	0.2	303	9.55
13.0			18.51	0.00	0.3	299	9.15
16.0			16.75	0.00	0.2	303	8.83

H H H

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

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

YEAR 1969
 MONTH 07
 DAY 04
 TIME 0508

NO. DEPTHS 07
 SOUNDING 0200
 BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W
1.0			19.53	0.01	0.1	304	10.00
4.0			19.53	0.01	0.1	302	10.03
7.0			19.48	0.01	0.1	302	10.00
10.0			19.03	0.00	0.1	307	10.00
13.0			18.56	0.00	0.1	299	9.84
16.0			15.41	0.03	0.1	300	9.30
19.0			11.04	0.01	0.4	305	7.07

H H H

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

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

YEAR 1969
 MONTH 07
 DAY 04
 TIME 0650

NO. DEPTHS 06
 SOUNDING 0170
 BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W
1.0			20.52	0.00	0.5	296	10.21
4.0			20.58	0.02	0.5	296	10.21
7.0			20.60	0.01	0.5	297	10.38
10.0			20.25	0.01	0.6	296	10.07
13.0			14.01	0.00	0.9	309	4.40
16.0			13.57	0.00	0.8	312	3.92

C-REF-NO 104
 CONS. NO 01C
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 04
 TIME 0821

NO. DEPTHS 07
 SOUNDING 0200
 BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0			19.22	0.00	0.1	315	9.63
4.0			19.21	0.00	0.2	314	9.59
7.0			19.21	0.00	0.2	315	9.63
10.0			18.78	0.00	0.2	314	9.56
13.0			18.07	0.01	0.2	312	9.55
16.0			10.70	0.00	0.3	319	6.48
19.0			10.60	0.00	0.6	319	6.30

C-REF-NO 104
 CONS. NO 011
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 04
 TIME 1008

NO. DEPTHS 08
 SOUNDING 0240
 BT SLIDE NO 011

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0			18.79	0.00	0.1	305	9.89
4.0			18.79	0.02	0.0	305	9.87
7.0			18.79	0.02	0.1	305	9.89
10.0			18.49	0.00	0.1	307	9.90
13.0			17.57	0.00	0.1	308	9.64
16.0			16.22	0.01	0.1	311	9.32
19.0			11.49	0.01	0.2	317	7.93
22.0			9.63	0.02	0.2	320	6.73

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

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

YEAR 1969
 MONTH 07
 DAY 04
 TIME 1146

NO. DEPTHS 07
 SOUNDING 0210
 BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	4.0	9	19.15	0.01	0.1	306	9.96
4.0			19.14	0.01	0.3	299	9.99
7.0			19.14	0.01	0.2	292	10.01
10.0			18.52	0.00	0.1	294	9.91
13.0			17.95	0.00	0.1	307	9.58
16.0			16.53	0.01	0.1	304	9.36
19.0			9.31	0.01	0.3	315	9.13

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

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

YEAR 1969
 MONTH 07
 DAY 04
 TIME 1312

NO. DEPTHS 07
 SOUNDING 0220
 BT SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	4.5	8	19.40	0.01	0.2	288	9.33
4.0			19.40	0.01	0.3	288	9.31
7.0			19.38	0.01	0.4	287	9.27
10.0			18.63	0.00	0.3	287	8.91
13.0			16.73	0.00	0.2	302	8.84
16.0			11.01	0.01	0.2	311	7.22
19.0			8.75	0.01	0.5	318	5.83

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

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

YEAR 1969
 MONTH 07
 DAY 04
 TIME 1516

NO. DEPTHS 06
 SOUNDING 0160
 BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	4.5	8	19.66	0.02	0.2	285	9.77
4.0			19.66	0.00	0.2	284	9.72
7.0			19.58	0.01	0.4	281	9.69
10.0			18.98	0.01	0.4	282	9.23
13.0			12.36	0.01	0.5	297	7.38
14.0			10.50	0.04	1.2	307	5.84

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

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

YEAR 1969
 MONTH 07
 DAY 04
 TIME 1650

NO. DEPTHS 08
 SOUNDING 0250
 BT SLIDE NO 015

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	4.5	9	18.99			303	10.07
4.0			18.99	0.00	0.1	300	10.04
7.0			18.88	0.01	0.1	299	10.04
10.0			18.09	0.01	0.1	299	9.94
13.0			17.60	0.00	0.2	302	9.94
16.0			16.56	0.01	0.1	300	9.43
19.0			15.06	0.00	0.1	304	9.27
22.0			8.40	0.01	0.2	317	7.32

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

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

YEAR 1969
 MONTH 07
 DAY 04
 TIME 1821

NO. DEPTHS 08
 SOUNDING 0250
 BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	4.5	9	18.97	0.00	0.1	309	9.80
4.0			18.96	0.01	0.1	306	9.77
7.0			18.96	0.01	0.1	308	9.77
10.0			18.14	0.00	0.1	308	9.61
13.0			17.61	0.00	0.1	308	9.34
16.0			15.52	0.00	0.1	307	9.15
19.0			14.32	0.01	0.1	309	9.12
22.0			10.38	0.00	0.3	320	6.04

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

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

YEAR 1969
 MONTH 07
 DAY 04
 TIME 1951

NO. DEPTHS 07
 SOUNDING 0200
 BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	4.8	10	19.86	0.01	0.2	316	9.55
4.0			19.85	0.01	0.2	313	9.55
7.0			19.71	0.01	0.2	312	9.49
10.0			18.75	0.01	0.2	314	9.16
13.0			12.36	0.01	0.2	316	7.08
16.0			10.82	0.02	0.4	320	5.74
18.0			10.70	0.00	0.5	321	8.09

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

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

YEAR 1969
 MONTH 07
 DAY 04
 TIME 2113

NO. DEPTHS 05
 SOUNDING 0140
 BT SLIDE NO 018

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	3.0	11	20.17	0.00	0.2	315	9.36
4.0			20.17	0.01	0.2	316	9.32
7.0			20.06	0.00	0.3	314	9.24
10.0			19.97	0.00	0.3	316	9.09
13.0			17.95	0.00	0.4	326	7.38

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

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

YEAR 1969
 MONTH 07
 DAY 04
 TIME 2236

NO. DEPTHS 08
 SOUNDING 0230
 BT SLIDE NO 019

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	4.0	9	18.67	0.00	0.1	317	9.52
4.0			18.67	0.01	0.1	321	9.52
7.0			18.68	0.01	0.1	318	9.53
10.0			18.46	0.00	0.0	318	9.50
13.0			17.46	0.00	0.1	319	9.47
16.0			16.39	0.01	0.1	323	9.46
19.0			14.45	0.00	0.1	322	9.50
22.0			11.65	0.02	0.2	327	6.93

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

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

YEAR 1969
 MONTH 07
 DAY 05
 TIME 0013

NO. DEPTHS 09
 SOUNDING 0250
 BT SLIDE NO 020

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0			18.05	0.01	0.0	314	9.61
4.0			18.07	0.01	0.1	316	9.54
7.0			18.06	0.01	0.1	316	9.22
10.0			17.75	0.01	0.1	317	9.51
13.0			17.27	0.00	0.1	317	9.53
16.0			16.53	0.01	0.2	319	9.47
19.0			15.19	0.00	0.1	320	9.42
22.0			11.60	0.02	0.2	323	7.42
23.0			10.62	0.02	0.2	325	6.38

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

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

YEAR 1969
 MONTH 07
 DAY 05
 TIME 0145

NO. DEPTHS 08
 SOUNDING 0230
 BT SLIDE NO 021

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0			19.25	0.02	0.3	292	9.61
4.0			19.24	0.03	0.3	294	9.58
7.0			19.21	0.00	0.4	289	9.53
10.0			17.50	0.01	0.2	301	9.31
13.0			17.04	0.00	0.2	306	9.30
16.0			15.86	0.01	0.2	310	9.30
19.0			11.84	0.01	0.2	320	8.10
21.0			10.29	0.01	0.3	334	6.69

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

LAT 42-23-54N
 LON 081-36-12W

YEAR 1969
 MONTH 07
 DAY 05
 TIME 0245

NO. DEPTHS 07
 SOUNDING 0210
 BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0			18.96	0.01	0.3	299	9.61
4.0			18.96	0.01	0.3	300	9.59
7.0			18.97	0.03	0.4	297	9.59
10.0			17.65	0.00	0.3	306	9.38
13.0			17.26	0.00	0.2	304	9.11
16.0			14.50	0.02	0.2	309	8.96
19.0			9.73	0.01	0.4	324	6.38

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

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

YEAR 1969
 MONTH 07
 DAY 05
 TIME 0353

NO. DEPTHS 08
 SOUNDING 0230
 BT SLIDE NO 023

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0			17.79	0.02	0.1	310	9.78
4.0			17.79	0.00	0.1	307	9.84
7.0			17.79	0.02	0.1	306	9.84
10.0			17.78	0.02	0.1	307	9.84
13.0			17.38	0.00	0.1	309	9.84
16.0			16.39	0.00	0.2	305	9.61
19.0			15.71	0.02	0.1	311	9.38
21.0			10.53	0.00	0.2	318	7.46

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

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

YEAR 1969
 MONTH 07
 DAY 05
 TIME 0530

NO. DEPTHS 08
 SOUNDING 0250
 BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0			17.82	0.01	0.1	313	9.66
3.5			17.78	0.02	0.1	310	9.64
6.1			17.76	0.04	0.1	310	9.64
8.7			17.73	0.00	0.1	311	9.64
11.2			17.19	0.01	0.1	310	9.64
13.9			16.37	0.02	0.2	313	9.46
16.5			15.75	0.00	0.1	315	9.38
19.1			10.97	0.00	0.2	320	6.61

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

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

YEAR 1969
 MONTH 07
 DAY 05
 TIME 0711

NO. DEPTHS 08
 SOUNDING 0240
 BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0			18.08	0.01	0.1	317	9.64
4.0			18.07	0.02	0.1	316	9.79
7.0			18.07	0.02	0.1	315	9.66
10.0			18.05	0.01	0.1	315	9.66
13.0			17.76	0.01	0.1	316	9.67
16.0			15.69	0.00	.1	320	9.39
19.0			14.35	0.01	0.1	321	9.39
22.0			11.46	0.01	0.4	327	6.50

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

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

YEAR 1969
 MONTH 07
 DAY 05
 TIME 0843

NO. DEPTHS 05
 SOUNDING 0150
 BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0			19.93	0.01	0.7	332	8.82
4.0			19.93	0.01	0.7	330	8.84
7.0			19.91	0.00	0.8	331	8.81
10.0			19.83	0.00	0.7	330	8.81
13.0			17.28	0.01	0.6	330	8.27

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

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

YEAR 1969
 MONTH 07
 DAY 05
 TIME 1009

NO. DEPTHS 06
 SOUNDING 0170
 BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0			19.59	0.00	0.3	326	8.98
4.0			19.59	0.01	0.3	326	9.01
7.0			19.59	0.01	0.4	325	9.01
10.0			19.47	0.00	0.4	324	9.04
13.0			19.08	0.00	0.3	321	9.15
15.0			12.07	0.01	0.4	318	7.22

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

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

YEAR 1969
 MONTH 07
 DAY 05
 TIME 1139

NO. DEPTHS 07
 SOUNDING 0210
 BT SLIDE NO 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	4.0	9	17.65	0.00	0.0	321	9.59
4.0			17.64	0.00	0.1	317	9.53
7.0			17.64	0.02	0.1	321	9.51
10.0			17.45	0.00	0.1	319	9.54
13.0			17.19	0.01	0.1	316	9.53
16.0			15.49	0.06	0.2	326	9.39
19.0			12.48	0.01	1.1	327	6.98

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

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

YEAR 1969
 MONTH 07
 DAY 05
 TIME 1311

NO. DEPTHS 08
 SOUNDING 0220
 BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	7.0	9	17.36	0.00	0.1	314	9.42
4.0			17.37	0.00	0.1	315	9.24
7.0			17.37	0.00	0.1	316	9.39
10.0			17.35	0.02	0.1	315	9.59
13.0			17.27	0.01	0.1	315	9.54
16.0			17.13	0.01	0.1	315	9.85
19.0			14.33	0.02	0.1	316	8.88
20.0			11.95	0.00	1.8	325	6.27

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

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

YEAR 1969
 MONTH 07
 DAY 05
 TIME 1445

NO. DEPTHS 07
 SOUNDING 0220
 BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	4.0	8	17.60	0.02	0.2	309	9.50
4.0			17.60	0.01	0.3	311	9.50
7.0			17.61	0.03	0.3	307	9.54
10.0			17.58	0.00	0.3	309	9.41
13.0			17.56	0.00	0.3	310	9.38
16.0			17.20	0.00	0.2	310	9.38
19.0			10.34	0.02	3.3	319	6.31

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

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

YEAR 1969
 MONTH 07
 DAY 05
 TIME 1625

NO. DEPTHS 05
 SOUNDING 0130
 BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	2.0	11	15.42	0.01	1.8	320	8.63
4.0			15.43	0.02	1.8	316	8.66
7.0			14.95	0.02	2.1	313	8.41
10.0			14.84	0.01	1.7	318	8.31
11.0			12.80	0.03	4.0	325	6.87

HHH

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

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

YEAR 1969
 MONTH 07
 DAY 05
 TIME 1744

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	2.0	10	17.28	0.01	1.2	312	9.07
4.0			17.40	0.02	1.2	309	9.07
7.0			16.85	0.02	1.2	308	9.07
10.0			16.61	0.02	1.0	309	8.92

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

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

YEAR 1969
 MONTH 07
 DAY 05
 TIME 1852

NO. DEPTHS 07
 SOUNDING 0200
 BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	4.5	9	17.80	0.02		307	9.44
4.0			17.87	0.01		307	9.47
7.0			17.35	0.01		304	9.49
10.0			17.24	0.01		304	9.42
13.0			17.22	0.04		305	9.41
16.0			17.08	0.02		305	9.24
19.0			11.83	0.09		316	5.79

HHH

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

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

YEAR 1969
 MONTH 07
 DAY 05
 TIME 2013

NO. DEPTHS 07
 SOUNDING 0210
 BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W
1.0	8.0	8	17.76	0.01	0.1	310	9.50
4.0			17.79	0.00	0.1	310	9.51
7.0			17.25	0.01	0.1	311	9.51
10.0			17.15	0.00	0.1	311	9.50
13.0			17.08	0.00	0.1	310	9.41
16.0			16.67	0.00	0.1	313	9.19
19.0			12.12	0.02	0.8	323	5.94

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

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

YEAR 1969
 MONTH 07
 DAY 05
 TIME 2141

NO. DEPTHS 07
 SOUNDING 0210
 BT SLIDE NO 035

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W
1.0	5.0	9	17.77	0.00	0.1	321	9.56
4.0			17.79	0.01	0.1	317	9.59
7.0			17.88	0.02	0.1	317	9.66
10.0			17.66	0.01	0.1	318	9.56
13.0			16.66	0.08	0.1	318	9.39
16.0			10.36	0.00	0.7	327	8.16
19.0			10.27	0.01	0.9	325	8.24

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

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

YEAR 1969
 MONTH 07
 DAY 05
 TIME 2256

NO. DEPTHS 05
 SOUNDING 0150
 BT SLIDE NO 036

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W
1.0	4.5	10	19.39	0.00	0.3	324	9.24
4.0			19.32	0.02	0.4	321	9.10
7.0			19.29	0.00	0.6	325	8.96
10.0			19.28	0.01	0.1	324	8.85
13.0			19.27	0.01	0.1	323	8.79

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

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

YEAR 1969
 MONTH 07
 DAY 06
 TIME 0014

NO. DEPTHS 05
 SOUNDING 0130
 BT SLIDE NO 037

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	3.0	6	19.48	0.01	0.6	327	8.85
4.0			19.47	0.00	0.7	325	8.90
7.0			19.48	0.00	0.8	325	8.84
10.0			19.46	0.01	0.6	328	8.79
11.0			19.45	0.03	0.8	329	8.71

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

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

YEAR 1969
 MONTH 07
 DAY 06
 TIME 0142

NO. DEPTHS 08
 SOUNDING 0230
 BT SLIDE NO 038

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0			18.02	0.02	0.1	323	9.62
4.0			18.03	0.02	0.1	324	9.62
7.0			17.93	0.01	0.1	324	9.62
10.0			17.76	0.00	0.2	324	9.54
13.0			17.26	0.01	0.2	324	9.53
16.0			13.48	0.12	0.4	328	9.31
19.0			10.41	0.03	1.5	333	8.90
21.0			10.38	0.01	1.5	332	8.84

C-REF-NO 104
 CONS. NO 039
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 06
 TIME 0318

NO. DEPTHS 07
 SOUNDING 0210
 BT SLIDE NO 039

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0			17.75	0.02	0.1	314	9.54
4.0			17.75	0.01	0.2	310	9.55
7.0			17.37	0.01	0.2	311	9.46
10.0			17.28	0.01	0.2	309	9.41
13.0			17.10	0.02	0.2	313	9.34
16.0			16.66	0.00	0.2	312	9.10
19.0			12.55	0.01	1.0	324	6.54

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

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

YEAR 1969
 MONTH 07
 DAY 06
 TIME 0451

NO. DEPTHS 06
 SOUNDING 0170
 BT SLIDE NO 040

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W
1.0			18.10	0.00	2.4	314	9.32
4.0			18.11	0.01	2.3	310	9.34
7.0			17.86	0.02	2.0	309	9.26
10.0			17.16	0.00	1.3	310	9.17
13.0			17.06	0.01	1.2	312	8.97
16.0			12.81	0.00	32.0	325	5.89

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

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

YEAR 1969
 MONTH 07
 DAY 06
 TIME 0644

NO. DEPTHS 07
 SOUNDING 0190
 BT SLIDE NO 041

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W
1.0			17.43	0.02	0.1	317	9.38
4.0			17.43	0.02	0.2	313	9.41
7.0			17.44	0.02	0.2	314	9.41
10.0			17.36	0.00	0.2	312	9.41
13.0			16.77	0.01	0.1	314	9.38
16.0			7.71	0.01	2.4	327	10.20
17.0			7.69	0.01	2.2	325	10.30

C-REF-NO 104
 CONS. NO 042
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 06
 TIME 0822

NO. DEPTHS 06
 SOUNDING 0170
 BT SLIDE NO 042

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W
1.0			17.61	0.00	0.4	321	9.58
4.0			17.62	0.01	0.1	320	9.61
7.0			17.62	0.02	0.1	319	9.58
10.0			17.61	0.01	0.1	317	9.58
13.0			17.61	0.00	0.1	319	9.58
16.0			15.54	0.04	0.2	317	9.66

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

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

YEAR 1969
 MONTH 07
 DAY 06
 TIME 0949

NO. DEPTHS 03
 SOUNDING 0080
 BT SLIDE NO 043

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0			19.38	0.02	0.4	318	8.79
4.0					0.5	318	8.78
7.0			19.40	0.02	0.5	316	8.81

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

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

YEAR 1969
 MONTH 07
 DAY 06
 TIME 1147

NO. DEPTHS 12
 SOUNDING 0350
 BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	5.0	9	16.91	0.00	0.1	327	9.61
4.0			16.99	0.01	0.1	327	9.62
7.0			17.01	0.02	0.4	313	9.59
10.0			16.98	0.00	0.2	319	9.58
13.0			16.66	0.01	0.3	317	9.61
16.0			13.91	0.03	0.3	326	9.82
19.0			10.84	0.07	0.2	338	10.31
22.0			8.02	0.06	0.9	331	10.85
25.0			7.07	0.01	1.5	329	11.08
27.0					1.5	332	11.05
31.0			7.00	0.01	2.0	331	11.07
34.0			6.98	0.01	1.5	330	11.10

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

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

YEAR 1969
 MONTH 07
 DAY 06
 TIME 1358

NO. DEPTHS 07
 SOUNDING 0190
 BT SLIDE NO 045

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	4.0	8	18.01	0.02	0.1	319	9.45
4.0			18.01	0.00	0.1	323	9.39
7.0			18.01	0.01	0.1	322	8.87
10.0			17.95	0.00	0.1	323	9.30
13.0			17.62	0.01	0.2	321	9.53
16.0			16.10	0.01	0.4	323	9.50
17.0			13.55	0.00	1.0	327	9.28

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

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

YEAR 1969
 MONTH 07
 DAY 06
 TIME 1505

NO. DEPTHS 14
 SOUNDING 0460
 BT SLIDE NO 046

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W
1.0	3.5	7	16.55	0.03	0.2	323	9.63
4.0			16.54	0.02	0.3	318	9.63
7.0			16.53	0.01	0.5	320	9.63
10.0			16.50	0.01	0.4	321	9.63
13.0			16.12	0.01	0.6	319	9.61
16.0			14.20	0.04	0.4	320	9.61
19.0			11.44	0.00	0.3	322	10.15
21.0			11.59	0.01	0.5	319	10.17
24.0			11.12	0.00	0.4	312	10.27
27.0			9.91	0.04	0.5	322	10.50
30.0			6.42	0.01	1.0	326	11.24
36.0			6.18	0.01	1.6	323	11.30
43.0			6.24	0.03	1.0	325	11.26
44.0			6.22	0.00	1.0	332	11.26

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

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

YEAR 1969
 MONTH 07
 DAY 06
 TIME 1633

NO. DEPTHS 17
 SOUNDING 0650
 BT SLIDE NO 047

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W
1.0	5.0	11	16.29	0.01	0.1	320	9.89
4.0			16.28	0.01	0.1	324	9.89
7.0			16.26	0.00	0.2	317	9.87
10.0			16.21	0.01	0.2	322	9.87
13.0			16.04	0.00	0.7	321	9.87
16.0			14.97	0.00	0.3	321	9.87
19.0			9.51	0.00	1.4	325	10.46
22.0			8.44	0.01	1.0	328	10.81
25.0			7.90	0.01	1.2	325	11.15
28.0			7.05	0.01	1.2	325	11.23
30.0			6.35	0.00	1.2	326	11.29
36.0			5.68	0.01	0.7	327	11.63
42.0			4.85	0.01	3.0	326	11.54
48.0			4.63	0.02	2.2	324	11.50
54.0			4.62	0.00	1.7	328	11.50
60.0			4.61	0.02	1.7	332	11.46
63.0			4.62	0.00	3.0	326	11.46

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

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

YEAR 1969
 MONTH 07
 DAY 06
 TIME 1802

NO. DEPTHS 14
 SOUNDING 0480
 BT SLIDE NO 048

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	10.0	7	16.40	0.01	0.1	321	9.77
4.0			16.41	0.00	0.3	321	9.77
7.0			16.37	0.01	0.2	321	9.77
10.0			16.30	0.00	0.4	320	9.80
13.0			16.10	0.01	0.2	324	9.77
16.0			15.73	0.02	0.4	319	9.84
19.0			15.13	0.01	0.2	323	9.74
22.0			13.41	0.03	0.2	325	9.77
25.0			10.09	0.01	0.2	322	10.46
28.0			6.11	0.02	0.3	325	10.66
31.0			5.15	0.00	0.9	326	10.72
36.0			5.06	0.00	1.3	325	10.76
42.0			5.00	0.01	1.1	324	10.76
46.0			5.01	0.00	1.8	328	10.61

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

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

YEAR 1969
 MONTH 07
 DAY 06
 TIME 1926

NO. DEPTHS 05
 SOUNDING 0150
 BT SLIDE NO 049

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	2.0	11	16.90	0.00	1.8	325	9.30
4.0			16.84	0.01	1.5	321	9.35
7.0			16.45	0.01	1.5	324	9.34
10.0			15.92	0.00	1.4	319	9.34
13.0			14.71	0.00	3.4	326	8.54

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

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

YEAR 1969
 MONTH 07
 DAY 06
 TIME 2127

NO. DEPTHS 11
 SOUNDING 0330
 BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	4.5	8	17.39	0.00	0.6	322	9.47
4.0			17.40	0.02	0.1	322	9.49
7.0			17.36	0.00	0.1	320	9.49
10.0			17.11	0.01	0.1	319	9.47
13.0			16.95	0.00	0.1	319	9.47
16.0			16.80	0.01	0.1	320	9.47
19.0			15.71	0.01	0.1	321	9.44
22.0			12.96	0.02	0.1	321	9.24
25.0			7.71	0.02	0.2	326	8.98
28.0			6.45	0.00	2.1	325	9.24
31.0			6.28	0.02	2.7	325	9.22

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

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

YEAR 1969
 MONTH 07
 DAY 06
 TIME 2254

NO. DEPTHS 06
 SOUNDING 0180
 BT SLIDE NO 051

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	4.0	10	18.43	0.00	0.2	322	9.33
4.0			18.44	0.02	0.2	320	9.31
7.0			18.42	0.00	0.2	321	9.28
10.0			18.16	0.00	0.3	320	9.22
13.0			17.76	0.00	0.3	320	9.10
16.0			17.28	0.01	0.4	321	8.99

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

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

YEAR 1969
 MONTH 07
 DAY 07
 TIME 0026

NO. DEPTHS 07
 SOUNDING 0210
 BT SLIDE NO 052

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W
1.0	3.0	7	19.04	0.00	0.2	320	9.27
4.0			19.04	0.01	0.2	328	9.24
7.0			19.04	0.00	0.3	325	9.22
10.0			19.04	0.00	0.3	325	9.22
13.0			18.73	0.00	0.3	328	9.16
16.0			18.73	0.02	0.4	315	9.16
19.0			18.64	0.00	0.4	320	9.11

CRUISE 69 - 105, July 28 - August 2

C-REF-NO 105
 CONS. NO 001
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 29
 TIME 1645

NO. DEPTHS 06
 SOUNDING 0130
 BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	3.5	10	24.20					
1.0			24.04	0.00	0.9	273	8.470	85.9
4.0			24.03	0.01	0.8	271		
7.0			24.03	0.01	0.7	271		
10.0			24.00	0.00	0.6	270		
12.0			23.84	0.02	0.4	270	8.420	86.1

DEPTH	O2 W	T CO2
0.0		
1.0	7.98	1660
4.0	8.01	
7.0	7.99	
10.0	7.82	
12.0	7.67	1693

C-REF-NO 105
 CONS. NO 002
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 29
 TIME 1759

NO. DEPTHS 05
 SOUNDING 0110
 BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.0	10	24.40					
1.0			24.44	0.01	0.9	299	8.480	86.9
4.0			24.44	0.01	0.8	283		
7.0			22.30	0.09	1.2	282		
10.0			22.27	0.13	0.9	284	8.360	85.9

DEPTH	O2 W	T CO2
0.0		
1.0	8.47	1682
4.0	8.46	
7.0	8.43	
10.0	7.92	1701

C-REF-NO 105
 CONS. NO 003
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 29
 TIME 1909

NO. DEPTHS 06
 SOUNDING 0130
 BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	3.5	10	24.20					
1.0			24.08	0.00	0.5	278	8.400	86.9
4.0			24.07	0.01	0.5	278		
7.0			24.05	0.01	0.5	279		
10.0			24.00	0.01	0.4	280		
12.0			23.97	0.01	0.4	279	8.380	86.1

DEPTH	O2 W	T CO2
0.0		
1.0	7.97	1648
4.0	7.94	
7.0	7.91	
10.0	7.82	
12.0	7.76	1683

C-REF-NO 105
 CONS. NO 004
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 29
 TIME 2036

NO. DEPTHS 06
 SOUNDING 0155
 BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	2.8	8	23.70					
1.0			23.62	0.03	0.3	238	8.750	86.2
4.0			23.61	0.01	0.5	230		
7.0			23.60	0.01	0.5	248		
10.0			23.51	0.00	0.5	239	8.680	85.3
13.0			19.29	0.03	0.6	268	7.420	94.3

DEPTH	O2 W	T CO2
0.0		
1.0	8.17	1627
4.0	8.19	
7.0	8.03	
10.0	7.63	1650
13.0	0.42	2009

C-REF-NO 105
 CONS. NO 005
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 29
 TIME 2209

NO. DEPTHS 05
 SOUNDING 0120
 BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	1.5	11	23.50					
1.0			23.41	0.00	0.8	244	8.500	85.4
4.0			23.40	0.02	0.9	264		
7.0			23.22	0.01	0.7	254		
10.0			22.44	0.01	0.7	262	8.180	87.0

DEPTH	O2 W	T CO2
0.0		
1.0	8.34	1678
4.0	8.30	
7.0	7.91	
10.0	6.35	1734

C-REF-NO 105
 CONS. NO 006
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 30
 TIME 0051

NO. DEPTHS 07
 SOUNDING 0160
 BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			21.80					
1.0			21.63	0.01	0.3	288	8.840	
4.0			21.57	0.01	0.3	289		
7.0			20.55	0.01	0.2	293		
10.0			17.87	0.00	0.1	300		
13.0			11.53	0.02	0.3	312		
15.0			11.52	0.02	0.3	311	7.330	

DEPTH	O2 W	T CO2
0.0		
1.0	9.69	
4.0	9.32	
7.0	8.44	
10.0	7.39	
13.0	1.93	
15.0	1.79	

C-REF-NO 105
 CONS. NO 007
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 30
 TIME 0301

NO. DEPTHS 08
 SOUNDING 0190
 BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.40					
1.0			23.31	0.01	0.2	287	8.920	85.4
4.0			23.32	0.01	0.2	285		
7.0			23.31	0.01	0.3	287		
10.0			23.21	0.00	0.2	295		
13.0			20.84	0.01	0.2	299		
16.0			16.32	0.00	0.3	314		
18.0			11.87	0.01	0.6	310	7.360	86.9

DEPTH	O2 W	T CO2
0.0		
1.0	9.26	1620
4.0	9.28	
7.0	9.23	
10.0	8.81	
13.0	7.88	
16.0	6.83	
18.0	1.96	1976

C-REF-NO 105
 CONS. NO 008
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 30
 TIME 0418

NO. DEPTHS 08
 SOUNDING 0200
 BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.30					
1.0			23.20	0.01	0.1	295	8.890	87.4
4.0			23.22	0.00	0.2	294		
7.0			23.22	0.01	0.2	294		
10.0			23.22	0.01	0.2	293	8.890	89.3
13.0			18.54	0.00	0.2	316		
16.0			16.07	0.01	0.3	331		
19.0			11.32	0.02	0.4	321	7.420	93.3

DEPTH	O2 W	T CO2
0.0		
1.0	8.86	
4.0	8.89	
7.0	8.88	
10.0	8.85	1641
13.0	7.37	
16.0	6.72	
19.0	2.08	2045

C-REF-NO 105
 CONS. NO 009
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 30
 TIME 0540

NO. DEPTHS 07
 SOUNDING 0180
 BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.90					
1.0			23.82	0.01	0.2	279		
4.0			23.83	0.01	0.2	278		
7.0			23.83	0.01	0.4	279		
10.0			23.83	0.00	0.3	278		
13.0			23.82	0.01	0.3	278		
16.0			20.67	0.01	1.1	287		

DEPTH	O2 W	T CO2
0.0		
1.0	8.02	
4.0	8.02	
7.0	8.01	
10.0	8.01	
13.0	8.04	
16.0	4.74	

C-REF-NO 105
 CONS. NO 010
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 30
 TIME 0701

NO. DEPTHS 07
 SOUNDING 0180
 BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.20					
1.0			23.12	0.02	0.1	308	8.800	93.3
4.0			23.13	0.01	0.2	310		
7.0			23.12	0.01	0.2	313		
10.0			23.12	0.00	0.2	313		
13.0			23.12	0.00	0.2	313		
16.0			19.42	0.00	1.0	296	7.520	94.8

DEPTH	O2 W	T CO2
0.0		
1.0	8.73	1700
4.0	8.76	
7.0	8.75	
10.0	8.73	
13.0	8.72	
16.0	0.33	1975

C-REF-NO 105
 CONS. NO 011
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 30
 TIME 0833

NO. DEPTHS 09
 SOUNDING 0220
 BT SLIDE NO 011

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.40					
1.0			23.26	0.00	0.2	280		
4.0			23.26	0.01	0.2	278		
7.0			23.25	0.01	0.2	281		
10.0			23.26	0.01	0.2	292		
13.0			21.09	0.02	0.2	278		
16.0			18.10	0.02	0.2	281		
19.0			17.46	0.02	0.1	282		
20.0			15.90	0.01	0.1	289		

DEPTH	O2 W	T CO2
0.0		
1.0	8.79	
4.0	8.79	
7.0	8.78	
10.0	8.78	
13.0	8.75	
16.0	7.52	
19.0	8.00	
20.0	7.21	

C-REF-NO 105
 CONS. NO 012
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 30
 TIME 1020

NO. DEPTHS 09
 SOUNDING 0220
 BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.20					
1.0			23.05	0.01	0.1	277		
4.0			23.07	0.01	0.1	280		
7.0			23.05	0.01	0.2	261		
10.0			20.64	0.05	0.1	271		
13.0			18.74	0.03	0.1	270		
16.0			18.04	0.00	0.1	284		
19.0			14.32	0.02	0.2	281		
20.0			10.56	0.01	0.3	291		

DEPTH	O2 W	T CO2
0.0		
1.0	8.87	
4.0	8.84	
7.0	8.84	
10.0	8.62	
13.0	7.69	
16.0	7.37	
19.0	5.60	
20.0	5.08	

C-REF-NO 105
 CONS. NO 013
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 30
 TIME 1154

NO. DEPTHS 08
 SOUNDING 0200
 BT SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	3.2	8	22.00					
1.0			21.76	0.01	0.3	294		
4.0			21.63	0.00	0.3	294		
7.0			21.44	0.01	0.3	294		
10.0			20.07	0.01	0.2	297		
13.0			18.14	0.01	0.2	309		
16.0			12.98	0.01	0.1	308		
18.0			10.53	0.00	0.3	313		

DEPTH	O2 W	T CO2
0.0		
1.0	8.89	
4.0	8.89	
7.0	8.75	
10.0	8.15	
13.0	7.68	
16.0	5.74	
18.0	1.59	

C-REF-NO 105
 CONS. NO 014
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 30
 TIME 1338

NO. DEPTHS 08
 SOUNDING 0180
 BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	2.5	11	20.60					
1.0			20.61	0.00	1.1	294		
4.0			20.12	0.01	1.6	296		
7.0			19.69	0.02	1.4	295		
10.0			18.36	0.01	1.1	299		
13.0			17.05	0.01	0.5	301		
16.0			13.97	0.00	0.3	313		
17.0			13.42	0.01	0.4	314		

DEPTH	O2 W	T CO2
0.0		
1.0	7.84	
4.0	7.58	
7.0	7.40	
10.0	6.08	
13.0	4.82	
16.0	3.39	
17.0	3.03	

C-REF-NO 105
 CONS. NO 015
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 30
 TIME 1458

NO. DEPTHS 10
 SOUNDING 0250
 BT SLIDE NO 015

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.0	9	22.80					
1.0			23.03	0.01	0.2	310	8.830	92.3
4.0			22.92	0.00	0.2	309		
7.0			22.83	0.01	0.2	309		
10.0			22.62	0.01	0.2	309		
13.0			18.47	0.03	0.1	316		
16.0			18.03	0.00	0.1	319		
19.0			17.14	0.02	0.1	323		
22.0			10.41	0.01	0.1	320		
24.0			10.35	0.03			7.890	92.3

DEPTH	O2 W	T CO2
0.0		
1.0	8.89	
4.0	8.92	
7.0	8.89	
10.0	8.77	
13.0	8.17	
16.0	8.04	
19.0	7.08	
22.0	4.60	
24.0		1855

C-REF-NO 105
 CONS. NO 016
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 30
 TIME 1627

NO. DEPTHS 09
 SOUNDING 0230
 BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	3.5	9	22.30					
1.0			23.11	0.02	0.2	314	8.840	91.8
4.0			23.01	0.01	0.2	314		
7.0			22.94	0.01	0.2	314		
10.0			22.79	0.02	0.2	314		
13.0			17.86	0.02	0.1	322		
16.0			16.30	0.03	0.1	322		
19.0			12.84	0.02	0.2	325		
22.0			12.12	0.02	0.2	324	7.440	91.8

DEPTH	O2 W	T CO2
0.0		
1.0	9.19	
4.0	9.14	
7.0	8.85	
10.0	8.88	
13.0	6.60	
16.0	6.48	
19.0	4.45	
22.0	3.16	1995

C-REF-NO 105
 CONS. NO 017
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 30
 TIME 1750

NO. DEPTHS 08
 SOUNDING 0200
 BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	3.0	9	23.20					
1.0			23.77	0.01	0.2	319	8.750	91.6
4.0			23.20	0.02	0.2	314		
7.0			22.93	0.01	0.4	314		
10.0			22.87	0.01	0.2	312		
13.0			19.02	0.01	0.2	305	7.750	81.9
16.0			16.90	0.01	0.2	312		
18.0			14.06	0.04	0.4	322	7.420	92.8

DEPTH	O2 W	T CO2
0.0		
1.0	9.11	
4.0	9.37	
7.0	8.88	
10.0	8.78	
13.0	4.97	1785
16.0	3.39	
18.0	2.65	1975

C-REF-NO 105
 CONS. NO 018
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 30
 TIME 1912

NO. DEPTHS 06
 SOUNDING 0150
 BT SLIDE NO 018

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	3.0	9	25.40					
1.0			23.56	0.07	0.8	303		
4.0			23.92	0.01	0.5	299		
7.0			23.71	0.01	0.8	300		
10.0			23.49	0.01	0.7	299		
13.0			23.47	0.00	0.7	299		

DEPTH	O2 W	T CO2
0.0		
1.0	8.45	
4.0	8.62	
7.0	8.25	
10.0	8.27	
13.0	8.22	

C-REF-NO 105
 CONS. NO 019
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 30
 TIME 2036

NO. DEPTHS 09
 SOUNDING 0240
 BT SLIDE NO 019

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	5.0	6	24.60					
1.0			22.95	0.03	0.1	318	8.520	86.9
4.0			22.71	0.00	0.1	310		
7.0			22.70	0.02	0.1	308		
10.0			21.52	0.10	0.1	312		
13.0			17.96	0.12	0.1	316		
16.0			17.37	0.03	0.1	318		
19.0			17.11	0.00	0.1	316		
22.0			12.22	0.04	0.1	326	7.320	88.3

DEPTH	O2 W	T CO2
0.0		
1.0	9.09	
4.0	9.07	
7.0	9.06	
10.0	9.10	
13.0	8.92	
16.0	8.42	
19.0	8.22	
22.0	3.47	

C-REF-NO 105
 CONS. NO 020
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 30
 TIME 2159

NO. DEPTHS 09
 SOUNDING 0240
 BT SLIDE NO 020

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.8	8	24.40					
1.0			23.33	0.01	0.2	296	8.770	87.8
4.0			23.02	0.00	0.3	296		
7.0			22.72	0.03	0.2	296		
10.0			22.28	0.01	0.2	297		
13.0			18.29	0.03	0.2	298		
16.0			17.83	0.01	0.1	314		
19.0			17.64	0.01	0.1	315		
22.0			12.10	0.00	0.1	321	7.460	94.8

DEPTH	O2 W	T CO2
0.0		
1.0	9.40	1666
4.0	9.44	
7.0	9.35	
10.0	8.89	
13.0	8.45	
16.0	8.30	
19.0	8.33	
22.0	4.83	1936

C-REF-NO 105
 CONS. NO 021
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 30
 TIME 2325

NO. DEPTHS 09
 SOUNDING 0210
 BT SLIDE NO 021

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	5.0	6	22.30					
1.0			23.20	0.01	0.1	301	8.700	97.8
4.0			23.10	0.01	0.1	301		
7.0			22.30	0.02	0.1	302		
10.0			22.14	0.01	0.1	302		
13.0			19.38	0.06	0.2	306	8.400	88.8
16.0			17.91	0.00	0.1	310		
18.0			17.69	0.01			8.470	92.3
19.0			15.21	0.01	0.1	313	7.920	90.3

DEPTH	O2 W	T CO2
0.0		
1.0	9.52	
4.0	9.51	
7.0	9.52	
10.0	9.20	
13.0	8.81	
16.0	8.21	
18.0		
19.0	7.03	1809

C-REF-NO 105
 CONS. NO 022
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 31
 TIME 0030

NO. DEPTHS 06
 SOUNDING 0150
 BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			20.80					
1.0			21.99	0.01	0.2	291	8.630	91.8
4.0			19.88	0.02	0.2	297		
7.0			19.65	0.01	0.2	298		
10.0			17.96	0.00	0.1	303		
13.0			15.98	0.02	0.4	310	7.650	92.6

DEPTH	O2 W	T CO2
0.0		
1.0	9.43	
4.0	8.66	
7.0	8.29	
10.0	7.48	
13.0	5.02	

C-REF-NO 105
 CONS. NO 023
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 31
 TIME 0158

NO. DEPTHS 07
 SOUNDING 0160
 BT SLIDE NO 023

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			22.20					
1.0			22.49	0.03	0.4	296	8.650	88.8
4.0			22.50	0.00	0.4	298		
7.0			22.43	0.04	0.5	293		
10.0			22.01	0.00	0.7	294		
13.0			17.73	0.00	0.3	305		
15.0			14.40	0.00	1.0	324	7.500	103.3

DEPTH	O2 W	T CO2
0.0		
1.0	8.83	
4.0	9.22	
7.0	8.69	
10.0	8.26	
13.0	7.03	
15.0	1.52	

C-REF-NO 105
 CONS. NO 024
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 31
 TIME 0321

NO. DEPTHS 09
 SOUNDING 0220
 BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			22.90					
1.0			22.79	0.04	0.1	308	8.680	90.3
4.0			22.79	0.00	0.1	311		
7.0			22.52	0.03	0.1	309		
10.0			22.26	0.02	0.1	312		
13.0			17.83	0.00	0.1	315		
16.0			17.43	0.00	0.1	316	8.120	93.3
19.0			16.25	0.00	0.1	311		
21.0			14.84	0.00	0.3	316	7.680	90.3

DEPTH	O2 W	T CO2
0.0		
1.0	9.19	
4.0	9.19	
7.0	9.03	
10.0	9.08	
13.0	8.83	
16.0	8.26	
19.0	8.74	
21.0	5.30	

C-REF-NO 105
 CONS. NO 025
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 31
 TIME 0501

NO. DEPTHS 09
 SOUNDING 0240
 BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			22.90					
1.0			22.90	0.00	0.2	313	8.610	88.1
4.0			22.41	0.01	0.1	307		
7.0			22.31	0.01	0.1	307		
10.0			17.77	0.01	0.1	316	8.380	
13.0			17.43	0.01	0.2	315		
16.0			17.30	0.01	0.1	316		
19.0			16.39	0.00	0.1	318		
22.0			10.80	0.00	0.4	325	7.200	96.9

DEPTH	O2 W	T CO2
0.0		
1.0	9.15	1733
4.0	9.22	
7.0	8.89	
10.0	8.75	
13.0	8.15	
16.0	7.92	
19.0	7.99	
22.0	0.48	2162

C-REF-NO 105
 CONS. NO 026
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 31
 TIME 0627

NO. DEPTHS 09
 SOUNDING 0240
 BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.00					
1.0			23.21	0.01	0.1	312	8.560	91.8
4.0			23.17	0.01	0.1	311		
7.0			22.49	0.02	0.1	308		
10.0			22.40	0.00	0.1	308		
13.0			17.51	0.00	0.1	318		
16.0			17.23	0.00	0.1	323		
19.0			16.89	0.02	0.1	322		
22.0			12.19	0.01	0.2	325	7.420	91.3

DEPTH	O2 W	T CO2
0.0		
1.0	9.22	1719
4.0	9.22	
7.0	9.20	
10.0	8.98	
13.0	8.86	
16.0	8.21	
19.0	8.26	
22.0	2.94	2031

C-REF-NO 105
 CONS. NO 027
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 31
 TIME 0748

NO. DEPTHS 06
 SOUNDING 0150
 BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			24.00					
1.0			23.96	0.01	0.2	302	8.570	87.8
4.0			23.95	0.01	0.4	302		
7.0			23.45	0.03	0.5	302		
10.0			23.41	0.02	0.6	302		
13.0			23.19	0.00	0.5	304	8.540	87.4

DEPTH	O2 W	T CO2
0.0		
1.0	8.50	
4.0	8.45	
7.0	8.41	
10.0	7.89	
13.0	8.13	

C-REF-NO 105
 CONS. NO 028
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 31
 TIME 0904

NO. DEPTHS 07
 SOUNDING 0160
 BT SLIDE NO 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			23.40					
1.0			23.47	0.02	0.4	315	7.210	76.9
4.0			23.48	0.01	0.7	317		
7.0			23.16	0.04	0.6	316		
10.0			22.75	0.00	0.7	318		
13.0			22.71	0.02	0.6	315		
14.0			22.71	0.00	0.6	313	8.510	88.3

DEPTH	O2 W	T CO2
0.0		
1.0	9.06	
4.0	9.01	
7.0	9.13	
10.0	8.79	
13.0	8.47	
14.0	8.42	

C-REF-NO 105
 CONS. NO 029
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 31
 TIME 1040

NO. DEPTHS 09
 SOUNDING 0220
 BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			22.90					
1.0			22.77	0.03	0.1	314	8.550	89.3
4.0			22.73	0.01	0.1	314		
7.0			22.27	0.02	0.1	313		
10.0			22.14	0.02	0.1	313		
13.0			17.76	0.03	0.1	320		
16.0			17.22	0.00	0.1	318		
19.0			15.88	0.01	0.1	336		
20.0			12.46	0.01	0.2	328	7.580	93.3

DEPTH	O2 W	T CO2
0.0		
1.0	8.99	1770
4.0	8.98	
7.0		
10.0	8.90	
13.0	8.88	
16.0	8.06	
19.0	6.98	
20.0	4.72	2007

C-REF-NO 105
 CONS. NO 030
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 31
 TIME 1158

NO. DEPTHS 09
 SOUNDING 0220
 BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	5.0	8	22.80					
1.0			22.68	0.00	0.1	306	8.700	93.1
4.0			22.68	0.01	0.1	304		
7.0			22.37	0.00	0.1	306		
10.0			22.15	0.01	0.1	307		
13.0			17.29	0.00	0.1	310		
16.0			16.94	0.01	0.1	314		
19.0			13.85	0.03	0.1	316		
20.0			11.90	0.01	0.3	325	7.320	96.7

DEPTH	O2 W	T CO2
0.0		
1.0	9.20	1749
4.0	9.20	
7.0	9.15	
10.0	8.89	
13.0	7.70	
16.0	7.73	
19.0	4.92	
20.0	2.06	2083

C-REF-NO 105
 CONS. NO 031
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 31
 TIME 1319

NO. DEPTHS 09
 SOUNDING 0220
 BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	8.0	7	22.50					
1.0			22.62	0.04	0.2	305	8.630	87.4
4.0			22.61	0.01	0.1	304		
7.0			22.56	0.01	0.1	305		
10.0			22.49	0.01	0.1	306		
13.0			21.11	0.01	0.1	306		
16.0			17.67	0.00	0.1	310		
19.0			16.32	0.05	0.1	313		
21.0			12.19	0.00	0.3	319	7.260	94.8

DEPTH	O2 W	T CO2
0.0		
1.0	9.04	1736
4.0	9.03	
7.0	8.98	
10.0	8.78	
13.0	8.74	
16.0	7.88	
19.0	7.75	
21.0	1.75	2057

C-REF-NO 105
 CONS. NO 032
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 31
 TIME 1454

NO. DEPTHS 06
 SOUNDING 0140
 BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	5.5	8	22.50					
1.0			22.60	0.00	0.2	297	8.530	89.3
4.0			22.60	0.01	0.2	297		
7.0			22.38	0.00	0.3	298		
10.0			22.30	0.01	0.3	298		
13.0			15.65	0.01	0.9	320	7.390	96.3

DEPTH	O2 W	T CO2
0.0		
1.0	8.92	1712
4.0	8.91	
7.0	8.81	
10.0	8.81	
13.0	2.26	2050

C-REF-NO 105
 CONS. NO 033
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 31
 TIME 1612

NO. DEPTHS 06
 SOUNDING 0140
 BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.0	8	23.00					
1.0			22.90	0.00	0.8	308	8.510	91.3
4.0			22.90	0.01	0.8	303		
7.0			22.60	0.03	0.9	302		
10.0			19.19	0.03	1.1	305		
13.0			15.98	0.01	1.2	318	7.550	95.4

DEPTH	O2 W	T CO2
0.0		
1.0	8.97	1762
4.0	8.95	
7.0	8.77	
10.0	7.85	
13.0	4.65	1951

C-REF-NO 105
 CONS. NO 034
 COUNTRY 18
 INSTITUTE 22

LAT 42-30-00N
 LON 080-58-36W

YEAR 1969
 MONTH 07
 DAY 31
 TIME 1720

NO. DEPTHS 08
 SOUNDING 0200
 BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	5.0	8	22.90					
1.0			22.86	0.01	0.2	304	8.760	89.5
4.0			22.88	0.00	0.1	301		
7.0			22.68	0.01	0.2	302		
10.0			22.37	0.00	0.2	302		
13.0			19.93	0.02	0.2	304		
16.0			12.58	0.01	0.3	320		
19.0			12.52	0.01	0.4	320	7.340	95.6

DEPTH	O2 W	T CO2
0.0		
1.0	9.42	1688
4.0	9.39	
7.0	9.11	
10.0	9.16	
13.0	8.52	
16.0	1.56	
19.0	1.47	

C-REF-NO 105
 CONS. NO 035
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 31
 TIME 1840

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	8	23.00					
1.0			22.86	0.03	0.2	315	8.710	92.6
4.0			22.83	0.01	0.2	312		
7.0			22.18	0.01	0.1	312		
10.0			21.82	0.01	0.1	313		
13.0			18.40	0.01	0.1	318		
16.0			16.30	0.00	0.2	324		
19.0			12.49	0.02	0.5	330	7.520	97.8

DEPTH	O2 W	T CO2
0.0		
1.0	9.45	1774
4.0	9.51	
7.0	9.39	
10.0	8.98	
13.0	8.40	
16.0	7.68	
19.0	4.09	2043

C-REF-NO 105
 CONS. NO 036
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 31
 TIME 1958

NO. DEPTHS 09
 SOUNDING 0230
 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			23.39	0.02	0.1	319	8.700	93.6
4.0			23.36	0.01	0.1	318		
7.0			22.63	0.03	0.1	318		
10.0			22.24	0.03	0.1	316		
13.0			22.21	0.01	0.1	317		
16.0			21.73	0.01	0.1	319		
19.0			16.79	0.01	0.1	323		
22.0			13.30	0.01	0.2	328	7.590	94.3

DEPTH	O2 W	T CO2
0.0		
1.0	9.42	1750
4.0	9.40	
7.0	9.42	
10.0	8.90	
13.0	8.89	
16.0	8.75	
19.0	7.77	
22.0	4.95	

C-REF-NO 105
 CONS. NO 037
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 31
 TIME 2120

NO. DEPTHS 07
 SOUNDING 0160
 BT SLIDE NO 037

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.0	8	23.90					
1.0			23.81	0.02	0.1	318	8.680	93.8
4.0			23.27	0.00	0.3	318		
7.0			22.66	0.01	0.2	320		
10.0			22.57	0.01	0.2	323		
13.0			22.53	0.01	0.3	323		
14.0			22.48	0.00	0.3	325	8.420	92.8

DEPTH	O2 W	T CO2
0.0		
1.0	9.98	
4.0	10.04	
7.0	8.68	
10.0	8.47	
13.0	8.39	
14.0	8.34	

C-REF-NO 105
 CONS. NO 038
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 07
 DAY 31
 TIME 2236

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	8	23.60					
1.0			22.70	0.01	0.1	319	8.620	94.1
4.0			22.60	0.02	0.2	322		
7.0			22.49	0.01	0.2	323		
10.0			22.44	0.02	0.2	322		
11.0			22.37	0.02	0.2	323	8.460	92.4

DEPTH	O2 W	T CO2
0.0		
1.0	10.08	
4.0	9.83	
7.0	9.40	
10.0	9.06	
11.0	8.92	

C-REF-NO 105
 CONS. NO 039
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 01
 TIME 0006

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	8	23.40					
1.0			23.12	0.01	0.1	314	8.670	91.3
4.0			22.77	0.01	0.1	312		
7.0			22.57	0.01	0.1	313		
10.0			22.27	0.01	0.1	314		
13.0			22.08	0.01	0.1	314		
16.0			17.24	0.09	0.1	321		
19.0			14.02	0.02	0.2	325		
21.0			14.02	0.01	0.3	326	7.620	95.8

DEPTH	O2 W	T CO2
0.0		
1.0	9.86	
4.0	9.74	
7.0	9.52	
10.0	8.98	
13.0	8.80	
16.0	7.62	
19.0	6.12	
21.0	6.08	

C-REF-NO 105
 CONS. NO 040
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 01
 TIME 0147

NO. DEPTHS 08
 SOUNDING 0210
 BT SLIDE NO 040

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			22.80					
1.0			22.79	0.00	0.1	302	8.620	91.3
4.0			22.90	0.01	0.1	301		
7.0			22.68	0.01	0.1	299		
10.0			22.39	0.01	0.1	303		
13.0			21.96	0.00	0.1	304		
16.0			17.06	0.02	0.1	319		
19.0			13.61	0.01	0.2	330	7.510	98.2

DEPTH	O2 W	T CO2
0.0		
1.0	9.54	
4.0	9.54	
7.0	9.54	
10.0	9.40	
13.0	8.89	
16.0	7.98	
19.0	4.17	

C-REF-NO 105
 CONS. NO 041
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 01
 TIME 0318

NO. DEPTHS 07
 SOUNDING 0160
 BT SLIDE NO 041

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			22.90					
1.0			22.80	0.00	2.5	305	8.500	92.3
4.0			22.82	0.02	2.5	304		
7.0			21.63	0.01	3.9	307		
10.0			17.43	0.02	0.6	307		
13.0			14.86	0.01	1.0	322		
15.0			14.85	0.01	1.2	324	7.450	97.8

DEPTH	O2 W	T CO2
0.0		
1.0	8.83	
4.0	8.83	
7.0	8.05	
10.0	7.39	
13.0	3.25	
15.0	3.10	

C-REF-NO 105
 CONS. NO 042
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 01
 TIME 0508

NO. DEPTHS 07
 SOUNDING 0160
 BT SLIDE NO 042

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			22.70					
1.0			22.60	0.01	0.2	311	8.750	91.3
4.0			22.59	0.00	0.2	303		
7.0			22.59	0.00	0.1	304		
10.0			22.32	0.00	0.2	305		
13.0			21.96	0.01	0.1	305		
15.0			16.04	0.00	0.3	319	7.980	94.3

DEPTH	O2 W	T CO2
0.0		
1.0	9.08	
4.0	9.11	
7.0	9.09	
10.0	9.05	
13.0	8.71	
15.0	6.11	

C-REF-NO 105
 CONS. NO 043
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 01
 TIME 0628

NO. DEPTHS 06
 SOUNDING 0150
 BT SLIDE NO 043

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			22.60					
1.0			22.58	0.00	0.2	317	8.710	92.8
4.0			22.57	0.01	0.2	315		
7.0			22.54	0.01	0.4	314		
10.0			22.21	0.00	0.1	313		
13.0			21.53	0.00	0.1	323	8.520	93.3

DEPTH	O2 W	T CO2
0.0		
1.0	9.33	
4.0	9.31	
7.0	9.29	
10.0	8.38	
13.0	8.58	

C-REF-NO 105
 CONS. NO 044
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 01
 TIME 0750

NO. DEPTHS 05
 SOUNDING 0090
 BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			22.40					
1.0			22.30	0.01	0.3	322	8.570	92.3
4.0			22.29	0.01	0.4	319		
7.0			22.26	0.01	0.3	318		
9.0			22.12	0.00	0.4	319	8.550	94.8

DEPTH	O2 W	T CO2
0.0		
1.0	9.27	
4.0	9.24	
7.0	9.26	
9.0	9.07	

C-REF-NO 105
CONS. NO 045
COUNTRY 18
INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 01
 TIME 0944

NO. DEPTHS 13
 SOUNDING 0370
 BT SLIDE NO 045

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0			22.50					
1.0			22.32	0.02	0.1	318	8.700	95.8
4.0			22.31	0.01	0.1	314		
7.0			22.32	0.00	0.1	315		
10.0			22.20	0.00	0.1	316		
13.0			20.27	0.04	0.1	319	8.430	99.3
16.0			16.81	0.00	0.2	323		
19.0			16.29	0.02	0.2	322		
22.0			14.55	0.01	0.2	322	7.880	95.3
25.0			11.80	0.01	0.3	324		
28.0			7.41	0.03	0.2	327	7.800	97.3
31.0			6.50	0.01	1.0	329		
35.0			6.43	0.00	1.6	331	7.680	96.3

DEPTH	O2 W	T CO2
0.0		
1.0	9.21	1794
4.0	9.18	
7.0	9.18	
10.0	9.15	
13.0	8.75	1800
16.0	7.83	
19.0	8.53	
22.0	8.51	1870
25.0	8.61	
28.0	10.06	1906
31.0	9.46	
35.0	9.30	1948

C-REF-NO 105
 CONS. NO 046
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 01
 TIME 1327

NO. DEPTHS 08
 SOUNDING 0190
 BT SLIDE NO 046

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.5	9	22.10					
1.0			22.10	0.00	0.2	310	8.490	94.8
4.0			22.10	0.01	0.1	310		
7.0			22.09	0.01	0.1	308		
10.0			21.96	0.02	0.1	310		
13.0			21.59	0.00	0.1	312		
16.0			18.43	0.00	0.2	320		
18.0			14.27	0.00	0.3	324	7.910	99.3

DEPTH	O2 W	T CO2
0.0		
1.0	9.21	
4.0	9.25	
7.0	9.37	
10.0	9.18	
13.0	9.00	
16.0	8.07	
18.0	7.68	1898

C-REF-NO 105
CONS. NO 047
COUNTRY 18
INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 01
 TIME 1455

NO. DEPTHS 15
 SOUNDING 0470
 BT SLIDE NO 047

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	6.0	8	22.30					
1.0			22.33	0.02	0.1	309	8.580	90.7
4.0			22.34	0.02	0.1	309		
7.0			22.27	0.01	0.1	308		
10.0			22.10	0.02	0.1	309		
13.0			21.78	0.02	0.1	311		
16.0			18.02	0.01	0.1	318		
19.0			15.99	0.01	0.1	319		
22.0			15.25	0.00	0.2	322		
25.0			13.73	0.01	0.1	322		
28.0			10.78	0.02	0.2	324		
31.0			9.25	0.01	0.3	325		
37.0			7.51		0.8	325		
43.0			7.02	0.01	0.9	327		
46.0			6.61	0.01	1.1	327	7.760	95.8

DEPTH	O2 W	T CO2
0.0		
1.0	9.14	
4.0	9.12	
7.0	9.14	
10.0	9.08	
13.0	8.89	
16.0	8.13	
19.0	8.26	
22.0	8.24	
25.0	8.57	
28.0	9.25	
31.0	9.54	
37.0	9.73	
43.0	9.81	
46.0	9.79	

C-REF-NO 105
CONS. NO 048
COUNTRY 18
INSTITUTE 22

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

YEAR 1969
MONTH 08
DAY 01
TIME 1625

NO. DEPTHS 17
SOUNDING 0630
BT SLIDE NO 048

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	1.0	11	21.00					
1.0			20.90	0.00	3.1	314	8.370	93.3
4.0			20.91	0.00	3.2	309		
7.0			20.72	0.02	2.9	309		
10.0			20.56	0.00	2.3	309		
13.0			17.27	0.01	0.2	319		
16.0			15.80	0.00	0.3	322		
19.0			14.59	0.01	0.4	325		
22.0			11.41	0.01	0.4	327		
25.0			6.29	0.01	0.2	329		
28.0			5.32	0.02	0.5	333		
31.0			5.12	0.01	1.3	331	7.700	95.8
37.0			5.04	0.01	3.2	334		
43.0			4.97	0.02	2.8	329		
49.0			4.87	0.00	2.2	329		
55.0			4.85	0.01	1.6	330		
61.0			4.83		2.2	330	7.630	97.8

DEPTH	O2 W	T CO2
0.0		
1.0	8.91	
4.0	8.46	
7.0	8.38	
10.0	3.81	
13.0	6.78	
16.0	6.04	
19.0	3.53	
22.0	7.88	
25.0	10.24	
28.0	10.35	
31.0	10.49	1962
37.0	10.49	
43.0	10.30	
49.0	10.13	
55.0	10.27	
61.0	10.06	1990

C-REF-NO 105
CONS. NO 049
COUNTRY 18
INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 01
 TIME 1744

NO. DEPTHS 15
 SOUNDING 0480
 BT SLIDE NO 049

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	5.0	10	21.70					
1.0			21.61	0.00	0.5	318	8.290	91.6
4.0			21.61	0.00	0.2	330		
7.0			21.51	0.01	0.3	321		
10.0			21.40	0.00	0.2	322		
13.0			21.12	0.00	0.2	321		
16.0			16.97	0.01	0.4	326		
19.0			11.11	0.01	0.2	327		
22.0			9.10	0.00	0.4	327		
25.0			7.36	0.01	0.4	330		
28.0			6.63	0.01	0.6	332		
31.0			5.87	0.02	1.3	328		
37.0			4.96	0.00	0.2	334		
43.0			4.95	0.01	0.2	336		
46.0			4.96	0.00	0.2	338	7.750	96.3

DEPTH	O2 W	T CO2
0.0		
1.0	9.09	
4.0	9.11	
7.0	9.05	
10.0	9.09	
13.0	8.91	
16.0	7.93	
19.0	9.60	
22.0	10.13	
25.0	10.44	
28.0	10.66	
31.0	10.78	
37.0	10.06	
43.0	9.85	
46.0	9.77	

C-REF-NO 105
 CONS. NO 050
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1969
 MONTH 08
 DAY 01
 TIME 1907

NO. DEPTHS 07
 SOUNDING 0160
 BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.5	10	21.40					
1.0			21.22	0.02	0.3	321	8.600	95.8
4.0			21.30	0.00	0.3	320		
7.0			19.97	0.00	0.4	321		
10.0			16.62	0.01	0.4	324		
13.0			13.98	0.01	0.6	327		
15.0			13.78	0.01	1.1	327	7.890	96.8

DEPTH	O2 W	T CO2
0.0		
1.0	9.15	
4.0	9.15	
7.0	8.92	
10.0	8.16	
13.0	7.37	
15.0	6.75	

C-REF-NO 105
CONS. NO 051
COUNTRY 18
INSTITUTE 22

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

YEAR 1969
MONTH 08
DAY 01
TIME 2046

NO. DEPTHS 12
SOUNDING 0330
BT SLIDE NO 051

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.0	8	22.30					
1.0			22.28	0.01	0.1	317	8.700	93.8
4.0			22.27	0.01	0.1	318		
7.0			22.20	0.00	0.1	318		
10.0			19.76	0.04	0.1	322		
13.0			14.68	0.04	0.1	327		
16.0			12.40	0.02	0.1	326		
19.0			10.76	0.03	0.2	328		
22.0			8.08	0.01	0.4	328		
25.0			7.14	0.00	0.6	329		
28.0			6.77	0.01	1.4	327		
31.0			6.65	0.01	2.1	328	7.760	96.3

DEPTH	O2 W	T CO2
0.0		
1.0	9.20	
4.0	9.23	
7.0	9.15	
10.0	8.67	
13.0	8.20	
16.0	8.96	
19.0	8.98	
22.0	9.64	
25.0	9.40	
28.0	9.32	
31.0	9.21	

C-REF-NO 105
CONS. NO 052
COUNTRY 18
INSTITUTE 22

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

YEAR 1969
MONTH 08
DAY 01
TIME 2216

NO. DEPTHS 11
SOUNDING 0280
BT SLIDE NO 052

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	3.8	8	21.80					
1.0			21.68	0.01	0.1	319	8.660	95.0
4.0			21.71	0.02	0.1	320		
7.0			21.66	0.00	0.1	319		
10.0			21.38	0.01	0.1	320		
13.0			20.49	0.01	0.2	322		
16.0			18.70	0.10	0.1	324		
19.0			13.20	0.00	0.4	329		
22.0			11.67	0.01	0.3	330		
25.0			10.29	0.01	0.5	329		
26.0			9.76	0.01	0.4	332	7.700	97.0

DEPTH	O2 W	T CO2
0.0		
1.0	9.44	
4.0	9.46	
7.0	9.47	
10.0	9.46	
13.0	9.04	
16.0	8.58	
19.0	7.51	
22.0	7.41	
25.0	6.42	
26.0	6.16	

C-REF-NO 105
CONS. NO 053
COUNTRY 18
INSTITUTE 22

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

YEAR 1969
MONTH 08
DAY 01
TIME 2341

NO. DEPTHS 08
SOUNDING 0210
BT SLIDE NO 053

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	PH 25	TT ALK
0.0	4.0	8	22.90					
1.0			22.81	0.01	0.1	317	8.720	95.0
4.0			22.81	0.01	0.1	317		
7.0			22.78	0.01	0.1	316		
10.0			22.62	0.00	0.1	317		
13.0			22.11	0.01	0.1	318		
16.0			20.32	0.01	0.1	320		
19.0			16.38	0.01	0.1	322	8.030	96.0

DEPTH	O2 W	T CO2
0.0		
1.0	9.34	
4.0	9.31	
7.0	9.31	
10.0	9.28	
13.0	8.97	
16.0	8.27	
19.0	8.12	