



**LIMNOLOGICAL DATA REPORT NO. 2**

# **LAKE ONTARIO**

**CRUISE 69 - 015, July 8 - 13**

**CRUISE 69 - 017, August 5 - 10**

**CRUISE 69 - 025, September 4 - 10**

**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

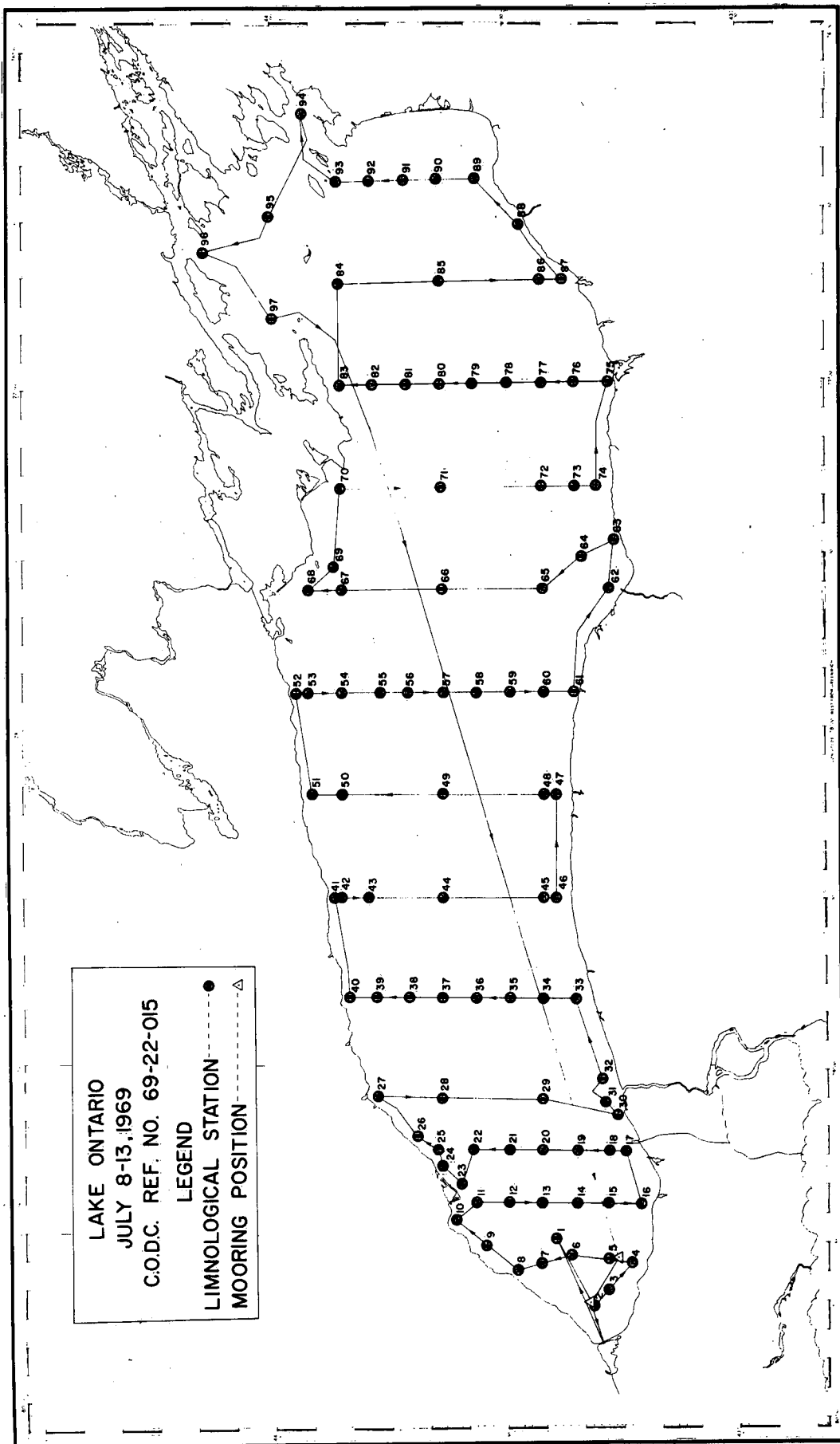
## INTRODUCTION

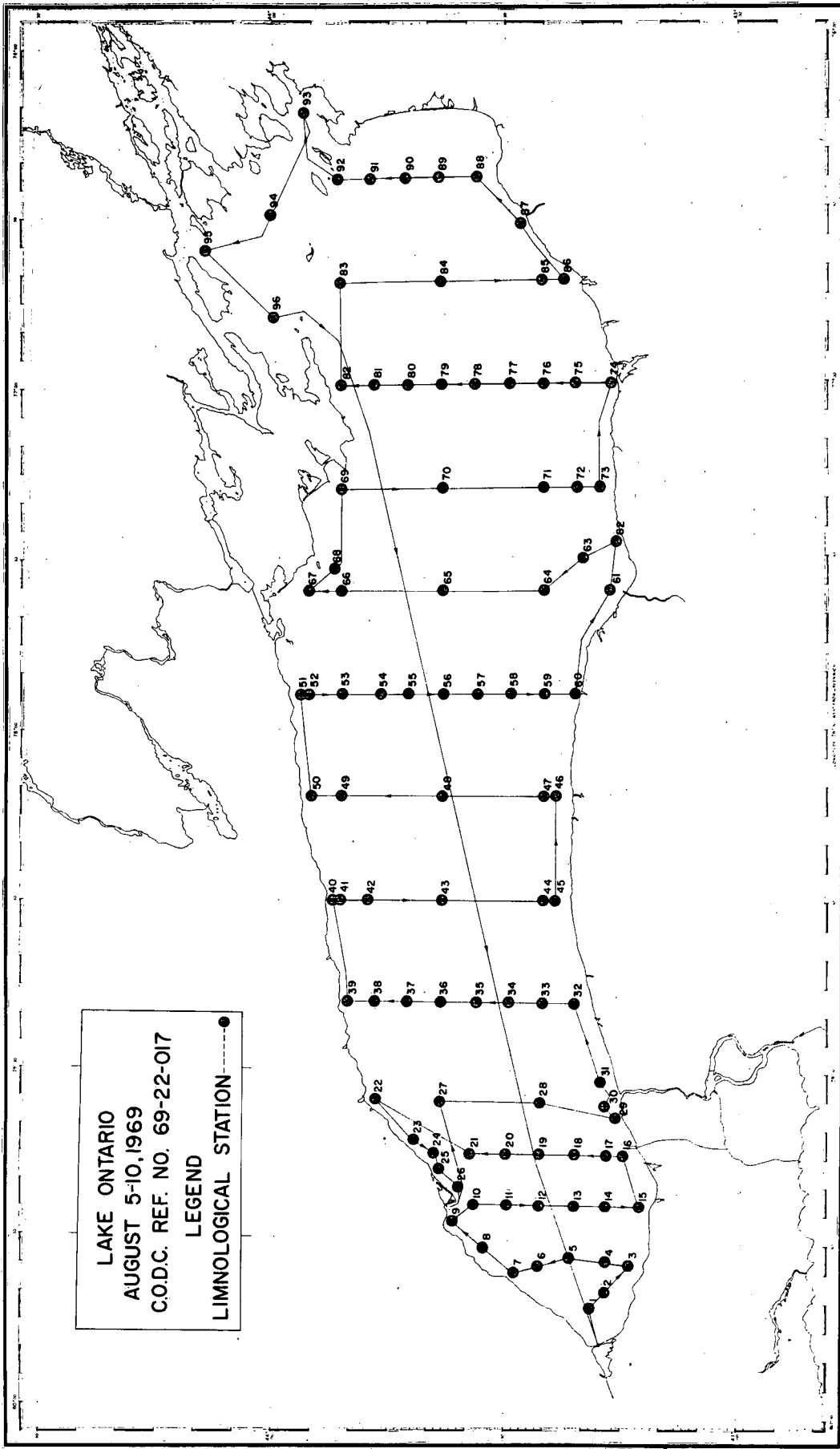
This report is one of a series listing bacteriological, biological, chemical and physical data for the waters of Lake Ontario, observed by Government of Canada agencies during the period April 12 to December 6, 1969.

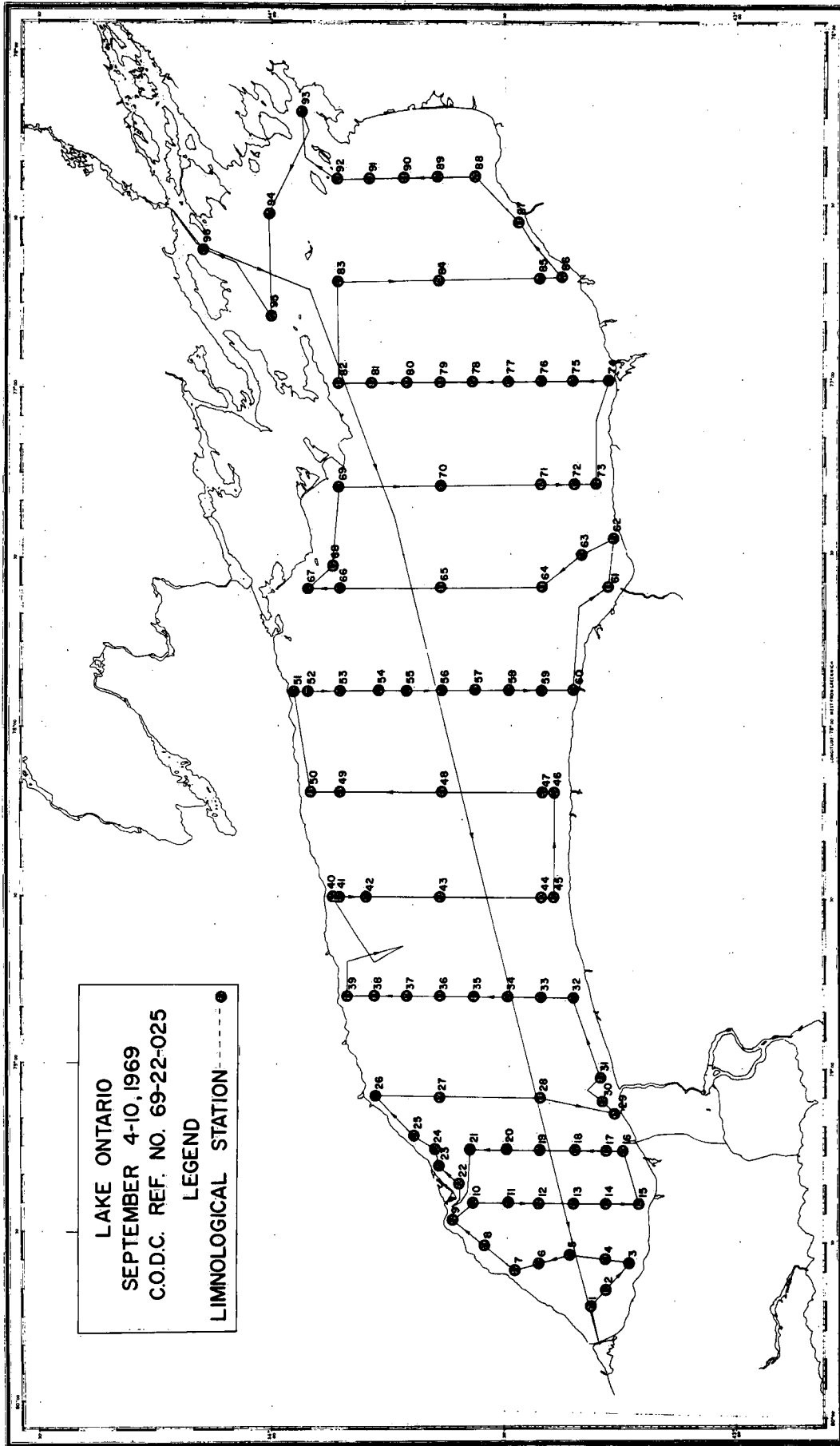
The 1969 surveys were carried out by (1) the Great Lakes and Water Quality Divisions of the Inland Waters Branch, Department of Energy, Mines and Resources, (2) the Fisheries Research Board and (3) the Public Health Engineering Division, Department of National Health and Welfare. Staff from the three agencies carried out the work from the Canada Centre for Inland Waters at Burlington, Ontario, aboard the Canadian Scientific Ship "Limnos" and the chartered ship "M.V. Karlsen". The Department of Energy, Mines and Resources co-ordinated the programs and provided support facilities to the participating agencies and to 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 nine 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 geographic 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.







10501

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

Data Report No.	1			2			3		
Cruise No.	002	007	011	015	017	025	030	033	034
Dates (1969)	April 12 April 15	May 12 May 17	June 9 June 14	July 8 July 13	Aug. 5 Aug. 10	Sept. 4 Sept. 10	Oct. 2 Oct. 7	Oct. 31 Nov. 5	Dec. 1 Dec. 6
Cruise Type	Monitor	Monitor	Monitor	Monitor	Monitor	Monitor	Monitor	Monitor	Monitor
Vessel	Limnos	Karlsen	Karlsen	Karlsen	Karlsen	Karlsen	Karlsen	Karlsen	Karlsen
No. of Stations	95	95	96	97	96	96	96	96	96
No. of Slides	97	120	96	98	97	157	147	96	96

Station Data:

Date/Time	X	X	X	X	X	X	X	X	X
Sounding	X	X	X	X	X	X	X	X	X
BT Slide No.	X	X	X	X	X	X	X	X	X
Sample Depth	X	X	X	X	X	X	X	X	X
Secchi	X	X	X	X	X	X	X	X	X
Colour Forel-ule	X	X	X	X	X	X	X	X	X
Temperature	X	X	X	X	X	X	X	X	X
Temperature Classification	X	X	X	X	X	X	X	X	X
Turbidity	X	X	X	X	X	X	X	X	X
Specific Conductance	X	X	X	X	X	X	X	X	X
pH 25°C								X	
Alkalinity, Total (colorimetric)						X	X	X	X
Bicarbonate								X	
Oxygen, Dissolved (Winkler)	X	X	X	X	X	X	X	X	X
Phosphate, Total		X	X	X	X	X	X	X	X
Orthophosphate, Soluble Reactive	X	X	X	X	X	X	X	X	X
Ammonia Nitrogen, Soluble F	X	X	X	X	X	X	X	X	X
Nitrate Nitrite Nitrogen F	X	X	X	X	X	X	X	X	X
Sulphate NF								X	
Chloride NF								X	
Silica, Reactive	X	X	X	X	X	X	X	X	X
Hardness								X	
Cadmium F		X		X		X			
Calcium NF Atomic Absorption								X	
Chromium F		X		X		X			
Cobalt F		X		X		X			
Copper F		X		X		X			
Iron F		X		X		X			
Lead F		X		X		X			
Magnesium								X	
Manganese F		X		X		X			
Molybdenum F		X		X		X			
Nickel F		X		X		X			
Potassium								X	
Sodium								X	
Strontium F		X		X		X			
Vanadium F		X		X		X			
Zinc F		X		X		X			
Chlorophyll A	X	X	X	X	X	X	X	X	X
MF Coliforms		X		X	X	X			
Standard Plate Count at 20°				X	X	X			X
Standard Plate Count at 35°					X				
Aerobic Viable Count MF 20°				X		X			X
Bacterial Biomass				X		X			X

F - Filtered  
NF - Non Filtered

## Description of the Data Record

Information in the headings for each station:

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

### Explanations:

- (1) Cruise number: the 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 observations.
- (7), (8) and (9) indicate the date of the observations according to Greenwich Mean Time.
- (10) Indicates the messenger time in hours and minutes (Greenwich Mean Time) for the first bottle cast at the station. The hours of each day are numbered from 00 to 23.
- (11) The number of depths at which observations were made. This should correspond to the number of depths actually listed. The count is listed to reveal omissions due to the loss of punch-cards.
- (12) The sounding is listed in meters, to the nearest tenth of a meter.
- (13) Indicates the bathythermograph slide number corresponding to the particular station. The slides are numbered consecutively within each cruise.



EXPLANATION OF THE DATA LISTING FOR EACH STATION

Parameter Name	Abbreviation (column heading)	Units used in the Data Reports	No. of Decimals Printed	Star System Code
Sample Depth	DEPTH	METRES	1	001
Secchi Depth	SECCHI	METRES	1	030
Colour Forel-ule	FOREL	forel-ule scale		031
Temperature	TEMP	°C	2	100
Temperature Classification	T CLASS	°C	2 or 3	109
Turbidity	TURB	Turbidity Units	1	123
Specific Conductance	SP CON	Micromhos		160
pH 25°C	pH 25	pH units	3	215
Alkalinity, total (titrimetric)	TT ALK	mg CaCO <sub>3</sub> /L	1	219
Alkalinity, total (colorimetric)	TC ALK	mg CaCO <sub>3</sub> /L	1	220
Bicarbonate	HCO <sub>3</sub>	mg HCO <sub>3</sub> /L	1	232
Oxygen, dissolved (Winkler)	O <sub>2</sub> W	mg O <sub>2</sub> /L	2	245
Phosphate, total	T PO <sub>4</sub>	mg PO <sub>4</sub> /L	3	260
Orthophosphate, soluble reactive	SR PO <sub>4</sub>	mg PO <sub>4</sub> /L	3	263
Ammonia, nitrogen, soluble	NH <sub>3</sub>	mg N/L	3	270
Nitrate nitrite nitrogen F	TF NO <sub>3</sub>	mg N/L	3	276
Sulphate NF	S SO <sub>4</sub>	mg SO <sub>4</sub> /L	1	280
Chloride NF	CL	mg Cl/L	1	290
Silica, reactive	R SI02	mg SiO <sub>2</sub> /L	3	295
Hardness, total	HARD	mg CaCO <sub>3</sub> /L	1	300
Cadmium, F	CD F	mg metal/L	3	321
Calcium, NF (atomic absorption)	CA NFA	mg metal/L	3	324
Chromium, F	CR F	mg metal/L	3	329
Cobalt, F	CO F	mg metal/L	3	333
Copper, F	CU F	mg metal/L	3	337
Iron, F	FE F	mg metal/L	3	341
Lead, F	PB F	mg metal/L	3	347
Magnesium, NF	MG NF	mg metal/L	3	354
Manganese, F	MN F	mg metal/L	3	359
Molybdenum, F	MO F	mg metal/L	3	363
Nickel, F	NI F	mg metal/L	3	367
Potassium, NF (photometric)	K NFS	mg metal/L	3	372
Sodium, NF (photometric)	NA NFS	mg metal/L	3	388
Strontium F	SR F	mg metal/L	3	393
Vanadium F	V F	mg metal/L	3	397
Zinc, F	ZN	mg metal/L	3	399
Chlorophyll A	CHLORA	mgs/m <sub>3</sub>	1	610
MF Coliforms	MF COL	col/100 ml	*	700
Standard Plate Count at 20°C	SPC 20	col/ml	*	720
Standard Plate Count at 35°C	SPC 35	col/ml	*	721
Aerobic Viable Count MF 20°C	MF 20 FT	col/ml	*	971
Bacterial Biomass	BACT BIO	ug/L		975

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

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

130E02 = 1.30 x 10<sup>2</sup> = 130.  
 100E00 = 1.00 x 10<sup>0</sup> = 1.  
 000E00 = 0.00 x 10<sup>0</sup> = 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, 5, 10, 20, 30, 50, 75, 100, 150, 200, and at 250 metres, where the depth of water permitted. The water sampling devices were metal Knudsen bottles with a capacity of 1.2 litres, and polyvinylchloride Van Dorn bottles with capacities of 2 and 3 litres. Oceanographic reversing thermometers, and rubber bulbs for bacteriological sampling, were mounted on the Knudsen bottles.

For bacteriological sampling, a sterile deflated pear-shaped rubber bulb was attached to a Knudsen bottle. A brass plug in the opening of the rubber bulb was pulled out by the reversing Knudsen bottle. (REF. 12, 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 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. 11).

Specific conductance 25°C - Ohmmetric, Radiometer Conductivity Meter Type CDM2 (REFS. 2, 20).

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Specific conductance 25°C - Ohmmetric, Radiometer Conductivity Meter Type CDM2 (REFS. 2, 20).

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pH 25°C - Corning pH meter, Model 12 (REFS. 2, 8).

Alkalinity, total (Titrimetric) - Potentiometric Titration (REF. 27).

Alkalinity, total (Colorimetric) - Autoanalyzer, buffered methyl orange indicator (REFS. 24, 25).

Bicarbonate - Nomographic computation from Alkalinity values.

Dissolved Oxygen - was measured using the Winkler iodometric method. Azide was not used (REF. 13, pp. 67-78).

Phosphate, total, NF - photometric, autoanalyzer, modification (W.Q.D.D.) of Gales and Julian, 1966 (REF. 29).

Orthophosphate, soluble reactive, F - Photometric, autoanalyzer, modification (W.Q.D.D.) of stannous chloride method described in Standard Methods APHA 1965 (REF. 29).

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. 29).

Nitrate Nitrite Nitrogen F - Autoanalyzer, colorimetric cadmium reduction (REFS. 4, 5).

Sulphate NF - Photometric, autoanalyzer, method of Lazrus et al (1965) as modified by W.Q.D.D. (REF. 29).

Chloride NF - Autoanalyzer, colorimetric, mercury thiocyanate (REF. 14).

Silica, reactive - Autoanalyzer, colorimetric, heteropoly blue (REFS. 2, 26).

Hardness, total - Computed from calcium and magnesium determinations (REF. 2).

Cadmium, F - Atomic absorption spectrophotometry (REFS. 1, 6, 16, 19, 21, 28).

Calcium NF - Atomic absorption spectrophotometry (REF. 19).

Chromium F - Atomic absorption spectrophotometry (REFS. 1, 6, 16, 19, 21, 28).

Cobalt F - Atomic absorption spectrophotometry (REFS. 1, 6, 16, 19, 21, 28).

Copper F - Atomic absorption spectrophotometry (REFS. 1, 6, 16, 19, 21, 28).

Iron F - This determination of total iron is based upon the complexing of ferrous iron with 2, 4, 6,-tripyridyl-s-triazine giving an intense violet colour. Hydroxylamine hydrochloride is used to reduce any ferric iron to the ferrous stage (REF. 7).

Lead F - Atomic absorption spectrophotometry (REFS. 1, 6, 16, 19, 21, 28).

Magnesium NF - Atomic absorption spectrophotometry (REF. 19).

Manganese F - Atomic absorption spectrophotometry (REFS. 1, 6, 16, 19, 21, 28).

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Molybdenum F - Atomic absorption using alpha benzoinoxime as chelating agent and butyl acetate as extracting solvent (W.Q.D.D. 1969) (REF. 29).

Nickel F - Atomic absorption spectrophotometry (REFS. 1, 6, 16, 19, 21, 28).

Potassium NF - Autoanalyzer, flame emission photometry (REF. 25).

Sodium NF - Autoanalyzer, flame emission photometry (REF. 25).

Strontium F - Atomic absorption spectrophotometry (REFS. 1, 6, 16, 19, 21, 28).

Vanadium F - Atomic absorption using cupferron as chelating agent and butyl acetate as extracting solvent (W.Q.D.D., 1969) (REF. 29).

Zinc F - Atomic absorption spectrophotometry (REFS. 1, 6, 16, 19, 21, 28).

Chlorophyll A - *in vivo* chlorophyll concentrations (REFS. 15, 17).

## BACTERIOLOGICAL PARAMETERS

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

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. 2, p. 615).

Standard plate counts The American Public Health Association Standard Methods (REF. 2, 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.

Bacterial Biomass Fifty ml aliquot water samples are preserved with 2 ml saline formaldehyde (25 ml HCHO, per litre 0.9 percent NaCl w/v). In the laboratory, the samples are inoculated with one ml Tween 80 (5,000 ppm) and shaken mechanically for five minutes. Then the samples are prefiltered through a 25 micron stainless steel mesh filter and the filtrate centrifuged for ten minutes at 1,500 rpm. The supernatant is poured into a 50 ml beaker, stirred mechanically and passed through a Model B Coulter Counter equipped with 30 micron diameter orifice tube and a J-plotter (REF. 18).

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## 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.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.D.) Water Quality Division Detachment, 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.

## REFERENCES

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4. Bendschneider, K. and R.J. Robinson, 1952. A new Spectrophotometric Method for the Determination of Nitrite in Sea Water. *J. Mar. Res.*, 11, pp. 87-96.
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**CRUISE 69 - 015, July 8 - 13**

C-REF-NO 015  
 CONS. NO 001  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-24-00N  
 LON 079-30-00W

YEAR 1969  
 MONTH 07  
 DAY 08  
 TIME 1742

NO. DEPTHS 03  
 SOUNDING 1000  
 BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T PO4
0.0	2.0	11	15.20					
64.0			3.97	0.01				
70.0			3.98	0.02				

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0								
64.0								
70.0								

C-REF-NO 015  
 CONS. NO 002  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-19-12N  
 LON 079-42-00W

YEAR 1969  
 MONTH 07  
 DAY 08  
 TIME 1936

NO. DEPTHS 04  
 SOUNDING 0400  
 BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T PO4
1.0	2.0	10	14.38	0.01	0.9	331	13.65	0.087
10.0			12.97	0.00	0.9	333	13.32	0.063
25.0			7.64	0.02	0.8	347	12.26	0.070
38.0			5.56	0.00	0.2	343	11.95	0.092

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.009	0.036	0.050	0.100	6.8	500E00	520E03	364
10.0	0.005	0.012	0.025	0.075			280E03	252
25.0	0.006	0.017	0.085	0.085				
38.0	0.013	0.022	0.000	0.085		400E00	220E03	252

C-REF-NO 015  
 CONS. NO 003  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-18N  
 LON 079-39-06W

YEAR 1969  
 MONTH 07  
 DAY 08  
 TIME 2001

NO. DEPTHS 01  
 SOUNDING 0400  
 BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T PO4
0.0	2.5	11	14.50					

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					5.5			

C-REF-NO 015  
 CONS. NO 004  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-14-12N  
 LON 079-34-12W

YEAR 1969  
 MONTH 07  
 DAY 08  
 TIME 2057

NO. DEPTHS 03  
 SOUNDING 0130  
 BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.0	11	13.55	0.00	0.6	333	12.04	0.070
5.0			13.57	0.01	0.6	331	11.57	0.076
10.0			13.16	0.00	0.6	332	11.26	0.093

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.005	0.038	0.075	0.085	4.5	830E01	400E03	312
5.0	0.005	0.010	0.070	0.135				
10.0	0.006	0.011	0.080	0.150		300E01	310E04	258

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.004	0.001	0.000	0.000
5.0							
10.0	0.000	0.001	0.000	0.004	0.007	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.004	0.165	0.000	0.002
5.0					
10.0	0.001	0.002	0.195	0.000	0.000

C-REF-NO 015  
 CONS. NO 005  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-18N  
 LON 079-33-42W

YEAR 1969  
 MONTH 07  
 DAY 08  
 TIME 2131

NO. DEPTHS 01  
 SOUNDING 0600  
 BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	8	14.90					

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					4.6			

C-REF-NO 015  
 CONS. NO 006  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-22-00N  
 LON 079-33-00W

YEAR 1969  
 MONTH 07  
 DAY 08  
 TIME 2240

NO. DEPTHS 05  
 SOUNDING 0820  
 BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.5	10	14.41	0.00	0.4	327	12.32	0.073
10.0			14.14	0.09	0.5	335	12.57	0.080
20.0			8.23	0.11	0.2	332	12.54	0.053
50.0			4.09	0.03	0.2	336	12.51	0.069
80.0			3.93	0.00	0.2	344	12.49	0.086

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.008	0.028	0.020	0.090	5.8	600E00	600E03	210
10.0	0.007	0.018	0.015	0.080		200E00	730E03	224
20.0	0.005	0.035	0.115	0.120				
50.0	0.038	0.041	0.225	0.400				
80.0	0.047	0.046	0.240	0.630				

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.004	0.002	0.000	0.000
10.0							
20.0							
50.0	0.000	0.001	0.000	0.004	0.001	0.000	0.000
80.0	0.000	0.001	0.000	0.003	0.002	0.000	0.000

DEPTH	MG F	NI F	SR FS	V F	ZN F
1.0	0.001	0.004	0.175	0.000	0.002
10.0					
20.0					
50.0	0.001	0.004	0.175	0.000	0.004
80.0	0.000	0.005	0.175	0.000	0.004

C-REF-NO 015  
 CONS. NO 007  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-25-54N  
 LON 079-34-36W

YEAR 1969  
 MONTH 07  
 DAY 08  
 TIME 2324

NO. DEPTHS 01  
 SOUNDING 0660  
 BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.0	10	13.80					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					8.5			

C-REF-NO 015  
 CONS. NO 008  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-29-00N  
 LON 079-35-48W

YEAR 1969  
 MCNTH 07  
 DAY 09  
 TIME 0008

NO. DEPTHS 05  
 SOUNDING 0210  
 BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.0	10	15.55	0.00	0.3	328	13.75	0.077
5.0			13.96	0.01	0.5	332	14.57	0.102
10.0			13.22	0.01	0.6	327	13.59	0.093
15.0			7.79	0.04	0.5	334	12.03	0.093
19.0			7.61	0.01	0.6	336	12.06	0.099

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.008	0.020	0.015	0.120	10.0	500E00	240E04	256
5.0	0.007	0.022	0.010	0.080				
10.0	0.012	0.016	0.010	0.070		380E01	220E04	417
15.0	0.029	0.074	0.180	0.250		620E01	700E03	273
19.0	0.029	0.068	0.185	0.275		430E01	790E03	203

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.003	0.001	0.000	0.000
5.0							
10.0							
15.0							
19.0	0.000	0.001	0.000	0.004	0.002	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.005	0.180	0.000	0.000
5.0					
10.0					
15.0					
19.0	0.001	0.003	0.180	0.000	0.002

C-REF-NO 015  
 CONS. NO 009  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-33-06N  
 LON 079-31-36W

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 0112

NO. DEPTHS 01  
 SOUNDING 0270  
 BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			15.20					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					10.8			

C-REF-NO 015  
 CONS. NO 010  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-37-12N  
 LCN 079-27-18W

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 0204

NO. DEPTHS 04  
 SOUNDING 0180  
 BT SLIDE NO 010

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			14.77	0.01	0.4	329	14.37	0.069
5.0			14.70	0.01	0.6	326	14.88	0.090
10.0			12.88	0.01	0.8	326	14.88	0.132
16.0			9.57	0.04	0.7	336	13.26	0.086

DEPTH	SR P04	NH3	TFNO3	R SIG2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.010	0.030	0.015	0.075	9.4	170E01	160E04	157
5.0	0.007	0.011	0.005	0.070				
10.0	0.006	0.024	0.010	0.080		600E01	200E04	213
16.0	0.007	0.030	0.080	0.125		130E02	700E04	149

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.005	0.003	0.000	0.000
5.0							
10.0							
16.0	0.000	0.000	0.000	0.005	0.002	0.000	0.002

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.003	0.175	0.000	0.000
5.0					
10.0					
16.0	0.001	0.004	0.175	0.000	0.000

C-REF-NO 015  
 CONS. NO 011  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MCNTH 07  
 DAY 09  
 TIME 0302

NO. DEPTHS 05  
 SOUNDING 0680  
 BT SLIDE NO 011

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			15.12	0.01	0.2	330	14.22	0.087
10.0			9.68	0.01	0.5	336	13.89	0.102
25.0			4.39	0.01	0.2	343	12.80	0.051
50.0			4.27	0.02	0.2	340	12.78	0.046
66.0			4.24	0.01	0.3	339	12.92	0.054

DEPTH	SR P04	NH3	TFNO3	R SIG2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.005	0.025	0.010	0.060	9.7	600E00	160E04	435
10.0	0.007	0.011	0.080	0.100		140E01	220E04	308
25.0	0.021	0.040	0.210	0.390				
50.0	0.024	0.043	0.220	0.410		900E00	100E03	269
66.0	0.025	0.042	0.230	0.425		300E00	220E03	313

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

LAT 43-30-18N  
 LGN 079-24-00W

YEAR 1969  
 MCNTH 07  
 DAY 09  
 TIME 0413

NO. DEPTHS 05  
 SOUNDING 0950  
 BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0			15.98	0.01	0.2	333	12.11	0.074
10.0			11.61	0.01	0.3	334	13.01	0.067
25.0			5.05	0.02	0.6	346	12.90	0.043
50.0			3.96	0.00	0.1	344	13.55	0.072
93.0			3.91	0.01	0.5	341	12.99	0.070

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.007	0.003	0.010	0.080	7.7	800E00	110E04	321
10.0	0.008	0.013	0.025	0.080		300E00	860E03	269
25.0	0.016	0.020	0.200	0.260				
50.0	0.037	0.027	0.225	0.360				
93.0	0.038	0.029	0.225	0.425		800E00	580E02	167

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.005	0.006	0.000	0.000
10.0							
25.0							
50.0	0.000	0.001	0.000	0.002	0.007	0.000	0.000
93.0	0.000	0.001	0.000	0.003	0.004	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.006	0.175	0.000	0.000
10.0					
25.0					
50.0	0.001	0.003	0.175	0.000	0.003
93.0	0.001	0.001	0.175	0.000	0.001

C-REF-NO 015  
 CONS. NO 013  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-25-54N  
 LON 079-24-00W

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 0506

NO. DEPTHS 01  
 SOUNDING 1090  
 BT SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0			15.40					

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					6.0			



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

LAT 43-21-24N  
 LON 079-24-00W

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 0602

NO. DEPTHS 05  
 SOUNDING 0960  
 BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			15.75	0.01	0.1	334	10.49	0.067
10.0			14.20	0.00	0.5	338	11.11	0.072
25.0			4.28	0.02	0.1	345	12.71	0.031
50.0			3.96	0.00	0.0	331	13.22	0.059
94.0			3.79	0.01	0.6	336	11.10	0.059

DEPTH	SR P04	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.022	0.080	0.145	0.230	4.4	320E02	440E04	189
10.0	0.008	0.010	0.035	0.080		120E02	140E04	257
25.0	0.014	0.035	0.210	0.280				
50.0	0.034	0.029	0.225	0.350				
94.0	0.036	0.024	0.225	0.360		240E01	230E03	166

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.008	0.006	0.000	0.001
10.0							
25.0							
50.0	0.000	0.001	0.000	0.003	0.002	0.000	0.000
94.0	0.000	0.001	0.000	0.003	0.002	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.006	0.170	0.000	0.000
10.0					
25.0					
50.0	0.001	0.001	0.180	0.000	0.003
94.0	0.001	0.003	0.175	0.000	0.000

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

LAT 43-17-18N  
 LON 079-24-00W

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 0657

NO. DEPTHS 01  
 SOUNDING 0740  
 BT SLIDE NO 015

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			13.80					

DEPTH	SR P04	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					5.0			

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

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

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 0743

NO. DEPTHS 04  
 SOUNDING 0170  
 BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			12.85	0.01	0.7	341	11.49	0.072
5.0			12.13	0.01	0.8	350	11.57	0.066
10.0			9.28	0.01	0.6	342	11.52	0.069
15.0			8.38	0.01	0.5	345	11.32	0.059

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.006	0.023	0.120	0.250	5.3	350E02	350E04	273
5.0	0.006	0.012	0.120	0.275				
10.0	0.007	0.021	0.125	0.300		770E01	540E03	254
15.0	0.008	0.034	0.170	0.360		300E02		221

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.004	0.003	0.000	0.000
5.0							
10.0							
15.0	0.000	0.001	0.000	0.004	0.010	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.001	0.175	0.000	0.000
5.0					
10.0					
15.0	0.000	0.003	0.175	0.000	0.000

C-REF-NO 015  
 CONS. NO 017  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-15-06N  
 LON 079-15-00W

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 0849

NO. DEPTHS 03  
 SOUNDING 0220  
 BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			10.43	0.02				
10.0			6.27	0.01				
20.0			4.74	0.01				

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0					3.5	170E04	210E05	309
10.0						250E03	220E04	177
20.0						310E03	160E04	139

C-REF-NO 015  
 CONS. NO 018  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-18N  
 LON 079-15-00W

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 0918

NO. DEPTHS 01  
 SOUNDING 0780  
 BT SLIDE NO 018

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			13.70					

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					3.1			

C-REF-NO 015  
 CONS. NO 019  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-21-24N  
 LON 079-15-00W

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 1003

NO. DEPTHS 01  
 SOUNDING 1000  
 BT SLIDE NO 019

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.0	10	17.50					

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					5.7			

C-REF-NO 015  
 CONS. NO 020  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-25-54N  
 LON 079-15-00W

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 1045

NO. DEPTHS 04  
 SOUNDING 1230  
 BT SLIDE NO 020

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0	3.0	11	17.33	0.00				
10.0			15.09	0.01				
50.0			4.15	0.01				
121.0			3.81	0.01				

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0					7.8	150E02	250E04	290
10.0						250E02	190E04	147
50.0						310E01	780E03	104
121.0						190E01	310E03	65

C-REF-NO 015  
 CONS. NO 021  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-30-18N  
 LON 079-15-00W

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 1149

NO. DEPTHS 01  
 SOUNDING 1200  
 BT SLIDE NO 021

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	11	16.70					

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					10.1			

C-REF-NO 015  
 CONS. NO 022  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-54N  
 LON 079-15-00W

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 1228

NO. DEPTHS 01  
 SOUNDING 1020  
 BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	11	15.00					

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					5.5			

G-REF-NO 015  
 CONS. NO 023  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-36-24N  
 LON 079-21-00W

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 1331

NO. DEPTHS 06  
 SOUNDING 0700  
 BT SLIDE NO 023

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.0	10	14.83	0.01	0.2	330	13.18	0.063
10.0			10.73	0.01	0.5	330	13.08	0.084
25.0			6.22	0.01	0.1	339	12.68	0.048
50.0			4.01	0.01	0.1	336	13.12	0.066
60.0								
66.0			4.02	0.01	0.2	359	13.01	0.069

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.009	0.028	0.015	0.060	5.0	500E00	150E04	322
10.0	0.008	0.016	0.015	0.090		200E01	160E04	300
25.0	0.018	0.052	0.190	0.260				
50.0	0.033	0.042	0.225	0.340		100E01	180E03	58
60.0	0.035	0.038		0.360				
66.0			0.230			100E01	260E03	40

C-REF-NO 015  
 CONS. NO 024  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-38-54N  
 LON 079-18-00W

YEAR 1969  
 MCNTH 07  
 DAY 09  
 TIME 1620

NO. DEPTHS 01  
 SOUNDING 0130  
 BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	3.5	9	16.00					

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					4.7			

C-REF-NO 015  
 CONS. NO 025  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-30N  
 LON 079-15-00W

YEAR 1969  
 MCNTH 07  
 DAY 09  
 TIME 1641

NO. DEPTHS 01  
 SOUNDING 0180  
 BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	3.0	8	15.80					

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					4.0			

C-REF-NO 015  
 CONS. NO 026  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-42-18N  
 LON 079-12-48W

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 1716

NO. DEPTHS 04  
 SOUNDING 0170  
 BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0	5.5	10	15.66	0.00	0.2	328	13.41	0.076
5.0			15.57	0.01	0.3	326	13.38	0.069
10.0			13.31	0.04	0.4	325	14.18	0.051
15.0			9.11	0.02	0.9	333	12.30	0.047

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.007	0.017	0.135	0.360	4.5	400E00	790E03	265
5.0	0.008	0.013	0.010	0.180				
10.0	0.008	0.024	0.015	0.090		500E00	510E03	372
15.0	0.008	0.011	0.015	0.150		500E00		74

C-REF-NO 015
CONS. NO 027
COUNTRY 18
INSTITUTE 22

LAT 43-47-26N  
LON 079-05-42W

YEAR 1969  
MCNTH 07  
DAY 09  
TIME 1823

NO. DEPTHS 04  
SOUNDING 0180  
BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	3.0	8	15.77	0.00	0.3	329	13.28	0.054
5.0			15.87	0.02	0.3	332	13.18	0.056
10.0			14.52	0.04	0.5	327	13.78	0.067
15.0			9.51	0.01	0.6	335	12.42	0.061

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.007	0.011	0.005	0.100	4.6	500E00	120E04	555
5.0	0.014	0.015	0.010	0.175				
10.0	0.012	0.018	0.010	0.180		100E01	170E04	436
15.0	0.008	0.012	0.020	0.160				241

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.004	0.002	0.001	0.000
5.0							
10.0							
15.0	0.000	0.000	0.000	0.004	0.013	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.001	0.180	0.000	0.000
5.0					
10.0					
15.0	0.000	0.000	0.150	0.000	0.000

C-REF-NO 015
CONS. NO 028
COUNTRY 18
INSTITUTE 22

LAT 43-39-00N  
 LON 079-06-00W

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 1942

NO. DEPTHS 05  
 SOUNDING 1070  
 BT SLIDE NO 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	3.0	8	16.12	0.01	0.4	323	11.89	0.040
10.0			15.08	0.01	0.3	330	12.88	0.057
25.0			6.04	0.03	0.3	340	12.80	0.054
50.0			4.09	0.01	0.1	334	13.35	0.057
105.0			3.81	0.01	0.7	333	13.01	0.072

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.006	0.011	0.005	0.060	4.4	100E00	130E04	373
10.0	0.008	0.015	0.010	0.090		390E01	880E03	170
25.0	0.007	0.012	0.165	0.200		100E00	480E03	83
50.0	0.035	0.030	0.220	0.300				
105.0	0.042	0.038	0.240	0.490		200E00	120E03	67

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.004	0.004	0.000	0.000
10.0							
25.0							
50.0	0.000	0.000	0.000	0.006	0.003	0.000	0.000
105.0	0.000	0.001	0.000	0.004	0.007	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.000	0.003	0.175	0.000	0.000
10.0					
25.0					
50.0	0.002	0.009	0.175	0.000	0.001
105.0	0.000	0.001	0.175	0.000	0.002

C-REF-NO 015
CONS. NO 029
COUNTRY 18
INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 2156

NO. DEPTHS 05  
 SOUNDING 1170  
 BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T PO4
1.0	2.5	10	17.37	0.01	0.2	333	12.03	0.060
10.0			17.14	0.01	0.3	327	11.49	0.067
25.0			4.76	0.01	0.3	340	13.11	0.047
50.0			3.96	0.00	0.3	348	13.42	0.064
115.0			3.78	0.01	2.0	346	12.95	0.060

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.007	0.030	0.025	0.090	7.7	200E00	630E03	139
10.0	0.006	0.020	0.030	0.080		700E00	810E03	183
25.0	0.008	0.031	0.175	0.160		100E01	200E03	69
50.0	0.038	0.029	0.225	0.325				
115.0	0.038	0.023	0.225	0.400		600E00	760E03	91

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.004	0.030	0.000	0.000
10.0							
25.0							
50.0	0.000	0.001	0.000	0.003	0.002	0.000	0.000
115.0	0.000	0.001	0.000	0.004	0.003	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.002	0.175	0.000	0.001
10.0					
25.0					
50.0	0.000	0.002	0.165	0.000	0.001
115.0	0.001	0.002	0.175	0.000	0.002



C-REF-NO 015  
 CONS. NO 030  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-16-12N  
 LON 079-08-48W

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 2321

NO. DEPTHS 04  
 SOUNDING 0140  
 BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0	2.0	11	13.48	0.00	0.7	336	10.81	0.083
5.0			12.68	0.06	0.7	335	10.93	0.086
10.0			6.31	0.00	0.5	345	12.10	0.067
12.0			5.59	0.02	0.4	340	12.10	0.073

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.025	0.070	0.165	0.280	3.5	170E03	420E04	89
5.0	0.025	0.063	0.150	0.280		340E03	480E04	70
10.0	0.017	0.049	0.200	0.350		200E03	110E05	116
12.0	0.024	0.046	0.225	0.405		320E03	140E06	166

C-REF-NO 015  
 CONS. NO 031  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-42N  
 LON 079-06-30W

YEAR 1969  
 MONTH 07  
 DAY 09  
 TIME 2359

NO. DEPTHS 04  
 SOUNDING 0140  
 BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0	2.0	11	15.67	0.01	0.7	335	10.33	0.077
5.0			15.57	0.00	0.8	329	10.16	0.060
10.0			4.63	0.01	0.3	341	12.12	0.070
12.0			4.49	0.01	0.3	338	12.12	0.060

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.035	0.077	0.160	0.325	3.1	870E02		67
5.0	0.035	0.060	0.190	0.375		600E02	440E04	50
10.0	0.040	0.054	0.245	0.510		130E02	630E03	73
12.0	0.041	0.060	0.255	0.535		400E01	510E03	59

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.005	0.003	0.000	0.002
5.0							
10.0							
12.0	0.000	0.001	0.000	0.004	0.005	0.000	0.004

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.003	0.165	0.000	0.002
5.0					
10.0					
12.0	0.001	0.002	0.175	0.000	0.000

C-REF-NO 015  
 CONS. NO 032  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-18-12N  
 LON 079-02-24W

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 0100

NO. DEPTHS 03  
 SOUNDING 0100  
 BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0			16.45	0.01	0.6	334	10.61	0.056
5.0			14.26	0.03	0.5	331	10.79	0.066
8.0			12.02	0.19	0.3	333	11.26	0.059

DEPTH	SR P04	NH3	TFN03	R SI02	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.022	0.080	0.125	0.180	3.9	260E02	480E04	90
5.0	0.023	0.072	0.115	0.165				
8.0	0.013	0.052	0.105	0.125		270E02	160E04	53

C-REF-NO 015  
 CONS. NO 033  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 0234

NO. DEPTHS 05  
 SOUNDING 0560  
 BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0			8.86	0.01	0.3	340	11.95	0.077
10.0			8.23	0.00	0.2	337	11.93	0.064
25.0			4.73	0.02	0.1	335	12.71	0.061
50.0			3.90	0.01	0.2	336	12.51	0.070
54.0			3.90	0.01	0.3	339	12.12	0.075

DEPTH	SR P04	NH3	TFN03	R SI02	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.036	0.072	0.225	0.380	3.6			44
10.0	0.032	0.072	0.210	0.380				52
25.0	0.030	0.070	0.210	0.335				
50.0	0.044	0.052	0.255	0.585		200E01		44
54.0	0.049	0.045	0.250	0.680				32

DEPTH	CD F	CR F	CU F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.003	0.001	0.000	0.002
10.0							
25.0							
50.0	0.000	0.000	0.000	0.005	0.003	0.000	0.000
54.0	0.000	0.000	0.000	0.004	0.007	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.003	0.175	0.000	0.002
10.0					
25.0					
50.0	0.000	0.002	0.175	0.000	0.000
54.0	0.001	0.002	0.165	0.000	0.000

C-REF-NO 015  
 CONS. NO 034  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 0335

NO. DEPTHS 05  
 SOUNDING 1180  
 BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0			17.33	0.00	0.2	327	12.33	0.039
10.0			13.85	0.01	0.2	328	11.99	0.056
25.0			6.02	0.01	0.1	334	13.02	0.038
50.0			4.05	0.01	0.1	337	13.33	0.066
115.0			3.78	0.01	0.1	337	13.11	0.060

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.001	0.026	0.020	0.090	9.3	200E00		146
10.0	0.001	0.018	0.000	0.075		110E01		127
25.0	0.007	0.046	0.175	0.210				
50.0	0.039	0.031	0.240	0.340		200E00	210E03	95
115.0	0.042	0.025	0.235	0.470		110E01	100E03	19

C-REF-NO 015  
 CONS. NO 035  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-30-18N  
 LON 078-48-00W

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 0423

NO. DEPTHS 01  
 SOUNDING 1450  
 BT SLIDE NO 035

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			17.70					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					9.3			

C-REF-NO 015  
 CONS. NO 036  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 0519

NO. DEPTHS 06  
 SOUNDING 1440  
 BT SLIDE NO 036

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			14.24	0.01	0.2	337	13.16	0.053
10.0			12.39	0.01	0.4	329	13.14	0.057
25.0			4.75	0.01	0.5	337	13.01	0.064
50.0			3.95	0.02	0.1	335	13.41	0.054
100.0								
142.0			3.76	0.02	0.1	339	12.99	0.060

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.002	0.005	0.020	0.225	8.8	400E00	260E03	200
10.0	0.008	0.020	0.035	0.150		500E00	140E03	228
25.0	0.004	0.027	0.130	0.190		300E00		49
50.0	0.034	0.035	0.235	0.320				
100.0								
142.0	0.037	0.024	0.230	0.535		200E00	290E02	27

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.004	0.001	0.000	0.000
10.0							
25.0							
50.0	0.000	0.001	0.000	0.003	0.002	0.000	0.000
100.0	0.000	0.001	0.000	0.002	0.006	0.000	0.000
142.0	0.000	0.001	0.000	0.003	0.002	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.000	0.001	0.180	0.000	0.003
10.0					
25.0					
50.0	0.000	0.002	0.175	0.000	0.008
100.0	0.000	0.002	0.175	0.000	0.003
142.0	0.000	0.001	0.165	0.000	0.004

C-REF-NO 015  
 CONS. NO 037  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 078-48-00W

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 0613

NO. DEPTHS 01  
 SOUNDING 1180  
 BT SLIDE NO 037

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			15.70					

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					8.6			

C-REF-NO 015  
 CONS. NO 038  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 0648

NO. DEPTHS 01  
 SOUNDING 0980  
 BT SLIDE NO 038

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			15.80					

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					5.7			

C-REF-NO 015  
 CONS. NO 039  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-47-36N  
 LON 078-48-00W

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 0734

NO. DEPTHS 05  
 SOUNDING 0550  
 BT SLIDE NO 039

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0			15.17	0.01	0.2	296	12.71	0.057
10.0			13.35	0.01	0.3	295	13.65	0.060
25.0			5.11	0.01	0.1	302	13.42	0.045
50.0			4.70	0.01	0.1	313	12.35	0.043
53.0			4.69	0.02	0.1	348	12.31	0.039

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.007	0.010	0.005	0.200	5.2			
10.0	0.012	0.005	0.000	0.160				
25.0	0.005	0.042	0.190	0.210				
50.0	0.007	0.053	0.205	0.295				
53.0	0.008	0.046	0.200	0.365				

C-REF-NO 015  
 CONS. NO 040  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 0820

NO. DEPTHS 03  
 SOUNDING 0220  
 BT SLIDE NO 040

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0			15.21	0.00	0.4	321	12.96	0.051
10.0			11.85	0.02	0.5	285	13.04	0.056
20.0			8.75	0.01	0.4	286	11.73	0.050

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.001	0.020	0.020	0.100	5.6	300E00	230E03	216
10.0	0.002	0.000	0.030	0.145		200E00	800E02	188
20.0	0.001	0.023	0.110	0.190		270E01	320E03	144

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.004	0.005	0.000	0.000
10.0							
20.0	0.000	0.000	0.000	0.004	0.003	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.000	0.002	0.175	0.000	0.000
10.0					
20.0	0.000	0.002	0.165	0.000	0.000

C-REF-NO 015  
 CONS. NO 041  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-53-00N  
 LON 078-30-00W

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 1002

NO. DEPTHS 03  
 SOUNDING 0200  
 BT SLIDE NO 041

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0			16.38	0.00	0.3	276	13.35	0.056
10.0			13.36	0.06	0.4	267	11.83	0.032
18.0			11.22	0.04	0.5	275	12.55	0.054

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.000	0.005	0.015	0.060	3.7	400E00	900E02	197
10.0	0.000	0.007	0.005	0.070		200E00	160E03	187
18.0	0.000	0.000	0.040	0.100		400E00	290E03	173

C-REF-NO 015  
 CONS. NO 042  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 1026

NO. DEPTHS 01  
 SOUNDING 0400  
 BT SLIDE NO 042

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.8	9	15.90					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					3.0			

C-REF-NO 015  
 CONS. NO 043  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-48-36N  
 LON 078-30-00W

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 1106

NO. DEPTHS 05  
 SOUNDING 0700  
 BT SLIDE NO 043

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0	3.0	10	16.68	0.02	0.3	302	12.57	0.047
10.0			15.74	0.01	0.3	321	11.64	0.059
25.0			5.32	0.00	0.1	335	12.95	0.044
50.0			4.00	0.01	0.1	338	12.86	0.057
68.0			4.00	0.00	0.2	336	12.94	0.070

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.000	0.018	0.015	0.040	3.4	200E00	150E03	173
10.0	0.000	0.000	0.000	0.035		400E00	140E03	154
25.0	0.002	0.009	0.165	0.055		100E00	830E02	141
50.0	0.029	0.048	0.215	0.285				
68.0	0.035	0.048	0.220	0.335		200E00	560E02	52

C-REF-NO 015  
 CONS. NO 044  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 1231

NO. DEPTHS 05  
 SOUNDING 1340  
 BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	4.0	10	15.90	0.01	0.2	322	12.38	0.054
10.0			10.57	0.01	0.2	328	12.66	0.058
25.0			3.98	0.02	0.0	334	12.66	0.059
50.0			3.92	0.00	0.0	334	12.71	0.046
132.0			3.69	0.01	0.1	338	12.88	0.043

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.002	0.000	0.005	0.050	5.1	220E01	670E03	176
10.0	0.005	0.000	0.000	0.010		600E00	140E03	186
25.0	0.027	0.015	0.240	0.275				
50.0	0.029	0.010	0.235	0.300		400E00	400E02	199
132.0	0.035	0.000	0.245	0.560		300E00	470E02	263

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.003	0.001	0.000	0.000
10.0							
25.0							
50.0	0.000	0.001	0.000	0.004	0.002	0.000	0.000
132.0	0.000	0.001	0.000	0.004	0.003	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.001	0.175	0.000	0.002
10.0					
25.0					
50.0	0.002	0.002	0.175	0.000	0.002
132.0	0.001	0.002	0.165	0.000	0.000

C-REF-NO 015  
 CONS. NO 045  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 1420

NO. DEPTHS 01  
 SOUNDING 1120  
 BT SLIDE NO 045

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0	3.0	10	17.50					

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					6.2			



C-REF-NO 015  
 CONS. NO 046  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 1456

NO. DEPTHS 05  
 SOUNDING 0580  
 BT SLIDE NO 046

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	4.0	10	13.26	0.09	0.1	326	11.40	0.040
10.0			5.70	0.01	0.1	336	12.29	0.037
25.0			4.43	0.09	0.1	337	12.92	0.046
50.0			3.88	0.01	0.5	421	12.32	0.070
56.0			3.95	0.02	0.6	433	11.58	0.076

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.000	0.020	0.060	0.060	3.9	500E00	170E03	76
10.0	0.008	0.075	0.200	0.200		200E00	610E02	145
25.0	0.028	0.012	0.230	0.280		100E01	370E02	58
50.0	0.039	0.015	0.245	0.480				
56.0	0.046	0.032	0.255	0.620		500E00	170E03	155

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.004	0.007	0.000	0.000
10.0							
25.0							
50.0	0.000	0.001	0.000	0.004	0.013	0.000	0.000
56.0	0.000	0.001	0.000	0.006	0.011	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.003	0.165	0.000	0.001
10.0					
25.0					
50.0	0.001	0.001	0.165	0.000	0.006
56.0	0.001	0.002	0.175	0.000	0.001

C-REF-NO 015  
 CONS. NO 047  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-24-24N  
 LON 078-12-00W

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 1649

NO. DEPTHS 04  
 SOUNDING 0480  
 BT SLIDE NO 047

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	2.5	10	17.04	0.02	0.4	331	11.23	0.051
10.0			8.03	0.02	0.5	339	12.00	0.041
20.0			5.45	0.01	0.1	337	12.85	0.037
46.0			3.89	0.00	0.4	338	12.25	0.054

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.000	0.000	0.010	0.280	2.6	300E00	170E03	221
10.0	0.002	0.018	0.125	0.145		300E00	510E02	221
20.0	0.016	0.046	0.200	0.225		200E00	810E02	195
46.0	0.034	0.027	0.220	0.315		100E00	870E02	155

DEPTH	CD F	CR F	CU F	CU F	FE F	PB F	MN F
1.0	0.000	0.002	0.000	0.004	0.014	0.000	0.000
10.0							
20.0							
46.0	0.000	0.001	0.000	0.004	0.022	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.001	0.175	0.000	0.005
10.0					
20.0					
46.0	0.001	0.004	0.175	0.000	0.002

C-REF-NO 015  
 CONS. NO 048  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 1712

NO. DEPTHS 01  
 SOUNDING 0800  
 BT SLIDE NO 048

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0	2.5	10	17.70					

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					2.7			

C-REF-NO 015  
 CONS. NO 049  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 078-12-00W

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 1848

NO. DEPTHS 06  
 SOUNDING 1590  
 BT SLIDE NO 049

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.0	10	16.75	0.02	0.2	323	12.09	0.044
15.0			4.87	0.01	0.1	338	13.15	0.054
25.0			3.99	0.01	0.1	338	13.42	0.046
50.0			3.96	0.01	0.1	336	13.37	0.047
100.0								
157.0			3.65	0.02	0.2	338	13.31	0.091

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.002	0.012	0.005	0.170	2.9	300E00	300E02	104
15.0	0.002	0.012	0.155	0.235		200E00	100E03	73
25.0	0.026	0.028	0.225	0.285		200E00	290E02	59
50.0	0.025	0.023	0.225	0.285				
100.0								
157.0	0.044	0.012	0.260	1.350		600E00	200E02	38

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.004	0.004	0.000	0.000
15.0							
25.0							
50.0	0.000	0.001	0.000	0.003	0.002	0.000	0.000
100.0	0.000	0.001	0.000	0.004	0.001	0.000	0.000
157.0	0.000	0.002	0.000	0.006	0.018	0.000	0.012

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.000	0.002	0.160	0.000	0.004
15.0					
25.0					
50.0	0.001	0.003	0.175	0.000	0.005
100.0	0.001	0.002	0.175	0.000	0.014
157.0	0.000	0.002	0.190	0.000	0.005

C-REF-NO 015  
 CONS. NO 050  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 2117

NO. DEPTHS 05  
 SOUNDING 0480  
 BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0	3.0	8	16.67	0.01	0.2	326	11.97	0.026
10.0			15.02	0.01	0.3	323	12.09	0.033
20.0			4.92	0.00	0.2	337	12.26	0.039
30.0			4.76	0.00	0.2	338	12.10	0.029
46.0			4.69	0.02	4.0	338	12.06	0.028

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.011	0.021	0.010	0.035	2.9	100E00	600E02	187
10.0	0.011	0.020	0.005	0.012		110E01	470E02	199
20.0	0.006	0.043	0.210	0.165				
30.0	0.006	0.042	0.200	0.205		300E00	370E02	102
46.0	0.005	0.012	0.005	0.012		400E00	210E02	42

C-REF-NO 015  
 CONS. NO 051  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 22  
 TIME 0909

NO. DEPTHS 03  
 SOUNDING 0200  
 BT SLIDE NO 051

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0	3.0	9			0.4	328	11.38	0.037
10.0			14.28	0.00	0.5	331	12.80	0.046
18.0			10.45	0.01	0.3	339	10.95	0.049

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.003	0.012	0.005	0.025	3.0	110E02	340E03	205
10.0	0.006	0.012	0.000	0.100			710E03	173
18.0	0.003	0.012	0.080	0.145			550E03	191

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.003	0.006	0.000	0.000
10.0							
18.0	0.000	0.001	0.000	0.004	0.027	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.003	0.155	0.000	0.000
10.0					
18.0	0.001	0.002	0.170	0.000	0.000

C-REF-NO 015  
 CONS. NO 052  
 COUNTRY 18  
 INSTITUTÉ 22

LAT 43-58-00N  
 LON 077-54-00W

YEAR 1969  
 MONTH 07  
 DAY 10  
 TIME 2350

NO. DEPTHS 03  
 SOUNDING 0230  
 BT SLIDE NO 052

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	2.0	9	17.56	0.01	0.9	331	11.72	0.046
10.0			15.56	0.01	1.0	328	11.95	0.069
21.0			11.90	0.01	0.2	337	10.72	0.051

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.005	0.012	0.005	0.125	4.9	510E01	180E03	137
10.0	0.006	0.026	0.005	0.080		500E00	650E02	196
21.0	0.011	0.036	0.045	0.135		200E00	160E03	246

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.003	0.005	0.000	0.000
10.0							
21.0	0.000	0.001	0.000	0.004	0.007	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.000	0.002	0.165	0.000	0.000
10.0					
21.0	0.002	0.001	0.165	0.000	0.000

C-REF-NO 015  
 CONS. NO 053  
 COUNTRY 18  
 INSTITUTÉ 22

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

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 0010

NO. DEPTHS 01  
 SOUNDING 0380  
 BT SLIDE NO 053

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0	3.0	10	19.00					

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					4.6			

C-REF-NO 015  
 CONS. NO 054  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 0101

NO. DEPTHS 05  
 SOUNDING 0580  
 BT SLIDE NO 054

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0			19.72	0.00	0.3	326	11.15	0.046
10.0			13.53	0.01	0.3	328	11.15	0.047
25.0			5.98	0.02	0.1	336	11.78	0.047
50.0			4.74	0.00	0.1	340	12.29	0.023
56.0			4.43	0.01	0.1	339	12.49	0.052

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.009	0.046	0.010	0.025	4.0	100E00	220E03	213
10.0	0.004	0.022	0.005	0.025		600E01	200E03	216
25.0	0.004	0.045	0.175	0.135		100E00	500E02	146
50.0	0.015	0.058	0.210	0.230				
56.0	0.026	0.047	0.230	0.265		300E00	660E02	193

C-REF-NO 015  
 CONS. NO 055  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-47-00N  
 LON 077-54-00W

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 0149

NO. DEPTHS 01  
 SOUNDING 0960  
 BT SLIDE NO 055

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			18.80					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					3.9			

C-REF-NO 015  
 CONS. NO 056  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 0218

NO. DEPTHS 01  
 SOUNDING 1240  
 BT SLIDE NO 056

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			18.00					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					3.9			

C-REF-NO 015  
 CONS. NO 057  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 077-54-00W

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 0322

NO. DEPTHS 05  
 SOUNDING 1620  
 BT SLIDE NO 057

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0			18.67	0.01	0.9	315	11.62	0.068
10.0			15.10	0.01	0.5	324	11.79	0.056
25.0			3.99	0.01	0.0	336	13.34	0.050
50.0			3.95	0.00	0.1	337	13.36	0.039
159.0			3.76	0.01	0.0	336	13.47	0.059

DEPTH	SR PO4	NH3	TFND3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.011	0.022	0.015	0.110	5.1	180E01	550E03	286
10.0	0.011	0.020	0.010	0.100		110E02	100E03	203
25.0	0.022	0.020	0.245	0.275				
50.0	0.025	0.020	0.230	0.285		500E00	330E02	238
159.0	0.029	0.013	0.240	0.405		600E00	200E02	130

DEPTH	CD F	CR F	CU F	CU F	FE F	PB F	MN F
1.0	0.000	0.002	0.000	0.006	0.009	0.000	0.000
10.0							
25.0							
50.0	0.000	0.001	0.000	0.005	0.001	0.000	0.000
159.0	0.000	0.001	0.000	0.002	0.000	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.000	0.001	0.165	0.000	0.012
10.0					
25.0					
50.0	0.000	0.002	0.145	0.000	0.004
159.0	0.000	0.002	0.175	0.000	0.009

C-REF-NO 015  
 CONS. NO 058  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 0423

NO. DEPTHS 01  
 SOUNDING 1800  
 BT SLIDE NO 058

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0			17.30					

DEPTH	SR PO4	NH3	TFND3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					5.2			

C-REF-NO 015  
 CONS. NO 059  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-30-18N  
 LON 077-54-00W

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 0501

NO. DEPTHS 01  
 SOUNDING 1620  
 BT SLIDE NO 059

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			18.30					

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					4.1			

C-REF-NO 015  
 CONS. NO 060  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 0555

NO. DEPTHS 05  
 SOUNDING 1140  
 BT SLIDE NO 060

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			16.46	0.01	0.7	325	11.22	0.057
15.0			5.45	0.01	0.1	333	13.42	0.039
25.0			4.38	0.01	0.0	337	13.28	0.028
49.0			3.92	0.01	0.1	338	13.27	0.059
111.0			3.68	0.01	0.4	338	12.53	0.057

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.004	0.020	0.015	0.185	5.6	120E02	420E03	172
15.0	0.004	0.022	0.165	0.185		500E00	480E02	71
25.0	0.004	0.022	0.200	0.240		200E00	650E02	96
49.0	0.028	0.024	0.220	0.350				
111.0	0.033	0.025	0.250	0.950		900E00	800E02	137



C-REF-NO 015  
 CONS. NO 061  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-22-00N  
 LON 077-54-00W

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 0651

NO. DEPTHS 05  
 SOUNDING 0190  
 BT SLIDE NO 061

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			9.02	0.04	0.5	339	11.89	0.051
5.0			7.43	0.03	0.1	335	12.34	0.051
10.0			5.71	0.00	0.0	346	12.57	0.039
15.0			4.76	0.00	1.3	340	12.15	0.058
17.0			4.47	0.01	1.2	338	12.21	0.051

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.013	0.043	0.185	0.270	6.8	580E01	260E03	133
5.0	0.016	0.043	0.160	0.240				
10.0	0.021	0.044	0.135	0.305		120E01	600E02	77
15.0	0.029	0.048	0.215	0.415				
17.0	0.031	0.043	0.215	0.530		150E01	650E02	98

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.002	0.002	0.000	0.000
5.0							
10.0							
15.0							
17.0	0.000	0.001	0.000	0.003	0.004	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.011	0.002	0.175	0.001	0.004
5.0					
10.0					
15.0					
17.0	0.000	0.001	0.175	0.000	0.005

C-REF-NO 015  
 CONS. NO 062  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 0835

NO. DEPTHS 03  
 SOUNDING 0170  
 BT SLIDE NO 062

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0			16.45	0.01	0.3	330	10.95	0.064
10.0			12.40	0.02	0.5	338	10.58	0.080
15.0			5.45	0.00	0.5	341	11.77	0.059

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.002	0.021	0.020	0.140	8.0	110E02	350E03	159
10.0	0.018	0.250	0.085	0.170		150E03		177
15.0	0.020	0.055	0.215	0.385		140E03		132

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.006	0.006	0.000	0.000
10.0							
15.0	0.000	0.000	0.000	0.002	0.003	0.001	0.001

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.000	0.001	0.175	0.000	0.004
10.0					
15.0	0.002	0.002	0.205	0.000	0.013

C-REP-NO 015
CONS. NO 063
COUNTRY 18
INSTITUTE 22

LAT 43-16-30N  
LON 077-27-30W

YEAR 1969  
MONTH 07  
DAY 11  
TIME 0932

NO. DEPTHS 03  
SOUNDING 0170  
BT SLIDE NO 063

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			16.58	0.00	0.4	334	10.21	0.055
10.0			11.82	0.05	0.4	340	10.45	0.057
15.0			5.39	0.01	0.3	344	11.95	0.052

DEPTH	SR P04	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.009	0.012	0.040	0.110	7.7	670E01		340
10.0	0.024	0.095	0.160	0.230		790E01		174
15.0	0.035	0.042	0.230	0.350		110E02		76

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.002	0.008	0.001	0.000
10.0							
15.0	0.000	0.000	0.000	0.001	0.003	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.002	0.205	0.000	0.001
10.0					
15.0	0.001	0.001	0.190	0.000	0.004

C-REF-NO 015  
 CONS. NO 064  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-20-48N  
 LON 077-30-12W

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 1034

NO. DEPTHS 05  
 SOUNDING 0740  
 BT SLIDE NO 064

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	3.0	9	18.12	0.01	0.2	328	11.87	0.039
10.0			14.42	0.00	0.3	335	12.55	0.056
25.0			5.09	0.02	0.2	336	13.00	0.033
50.0			4.03	0.01	0.3	344	12.95	0.054
72.0			3.78		0.5	348	12.89	0.064

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.006	0.015	0.015	0.045	6.5	600E00		234
10.0	0.002	0.005	0.000	0.040		200E00		298
25.0	0.012	0.070	0.255	0.200		200E00		162
50.0	0.025	0.012	0.245	0.350				
72.0	0.030	0.012	0.260	0.450		700E00	280E02	118

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.002	0.002	0.000	0.000
10.0							
25.0							
50.0	0.000	0.001	0.000	0.001	0.003	0.001	0.000
72.0	0.000	0.001	0.000	0.002	0.002	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.001	0.195	0.000	0.000
10.0					
25.0					
50.0	0.001	0.002	0.195	0.000	0.000
72.0	0.001	0.002	0.195	0.000	0.000

C-REF-NO 015  
 CONS. NO 065  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 1147

NO. DEPTHS 01  
 SOUNDING 1490  
 BT SLIDE NO 065

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0	3.0	10	16.50					

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					6.3			

C-REF-NO 015  
 CONS. NO 066  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 077-36-00W

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 1350

NO. DEPTHS 05  
 SOUNDING 1060  
 BT SLIDE NO 066

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.0	9	19.11	0.01	0.4	320	11.67	0.053
10.0			16.68	0.02	0.5	321	10.79	0.037
25.0			4.98	0.00	0.2	331	12.70	0.042
50.0			3.93	0.02	0.0	335	13.53	0.052
103.0			3.84	0.01	0.2	337	13.10	0.075

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.003	0.045	0.020	0.020	4.0	130E01	140E03	178
10.0	0.002	0.042	0.005	0.020		200E00	120E03	108
25.0	0.010	0.055	0.220	0.125				
50.0	0.027	0.045	0.240	0.200		100E00	300E02	20
103.0	0.030	0.043	0.260	0.400		100E00	500E02	56

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.001	0.001	0.001	0.000
10.0							
25.0							
50.0	0.001	0.001	0.000	0.002	0.001	0.001	0.000
103.0	0.000	0.001	0.000	0.002	0.002	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.001	0.180	0.000	0.008
10.0					
25.0					
50.0	0.001	0.001	0.180	0.000	0.004
103.0	0.001	0.006	0.200	0.000	0.005

C-REF-NO 015  
 CONS. NO 067  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 1558

NO. DEPTHS 01  
 SOUNDING 0440  
 BT SLIDE NO 067

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	4.0	10	18.80					

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					3.2			

C-REF-NO 015  
 CONS. NO 068  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 1640

NO. DEPTHS 05  
 SOUNDING 0250  
 BT SLIDE NO 068

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	3.0	10	17.76	0.01	1.3	322	12.37	0.044
5.0			15.52	0.02	1.0	324	11.40	0.040
10.0			15.15	0.07	1.0	329	10.70	0.062
15.0			13.48	0.01	0.5	332	10.08	0.053
23.0			9.72	0.01	0.5	334	9.94	0.043

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF2OFT	BACBIO
1.0	0.008	0.038	0.010	0.080	3.5	700E00	710E02	159
5.0	0.005	0.038	0.025	0.100				
10.0	0.004	0.042	0.030	0.100		400E00		137
15.0	0.005	0.040	0.080	0.200		190E01	110E03	169
23.0	0.008	0.035	0.110	0.250		300E00	320E02	115

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.002	0.003	0.001	0.000
5.0							
10.0							
15.0							
23.0	0.000	0.000	0.000	0.003	0.006	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.000	0.180	0.000	0.006
5.0					
10.0					
15.0					
23.0	0.001	0.001	0.205	0.000	0.012

C-REF-NO 015  
 CONS. NO 069  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-54N  
 LON 077-32-00W

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 1731

NO. DEPTHS 01  
 SOUNDING 0460  
 BT SLIDE NO 069

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0	3.0	9	15.80					

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF2OFT	BACBIO
0.0					3.2			

C-REF-NO 015
CONS. NO 070
COUNTRY 18
INSTITUTE 22

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

YEAR 1969  
MONTH 07  
DAY 11  
TIME 1853

NO. DEPTHS 05  
SOUNDING 0300  
BT SLIDE NO 070

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PD4
1.0	3.0	10	19.99	0.00	0.4	328	11.72	0.043
10.0			13.27	0.02	0.3	339	9.95	0.053
15.0			11.55	0.00	0.2	341	10.15	0.048
20.0			10.69	0.02	0.2	340	10.12	0.050
28.0			8.99	0.01	0.8	341	9.68	0.071

DEPTH	SR PD4	NH3	TFND3	R SI02	CHLORA	SPC 20	MF20FT	BACBIO
1.0					4.8	400E00	280E03	256
10.0	0.007	0.050	0.105	0.135		290E01	170E03	104
15.0	0.011	0.054	0.080	0.175				
20.0	0.008	0.064	0.100	0.185		130E01	160E03	87
28.0						900E00	160E03	79

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.001	0.000	0.000	0.001	0.003	0.001	0.000
10.0							
15.0							
20.0							
28.0	0.001	0.001	0.000	0.002	0.002	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.002	0.190	0.000	0.000
10.0					
15.0					
20.0					
28.0	0.001	0.003	0.190	0.000	0.006

C-REF-NO 015  
 CONS. NO 071  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 077-18-00W

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 2048

NO. DEPTHS 06  
 SOUNDING 1200  
 BT SLIDE NO 072

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	2.5	9	19.44	0.02	0.5	325	11.13	0.062
10.0			16.04	0.00	0.7	328	10.87	0.065
20.0			5.25	0.01	0.1	336	12.57	0.054
50.0			3.99	0.03	0.1	338	13.34	0.073
100.0								
118.0			3.81	0.00	0.2	338	12.72	0.067

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF2OFT	BACBIO
1.0	0.007	0.019	0.025	0.075	3.6	100E00	420E03	115
10.0	0.007	0.017	0.000	0.045		210E01	220E03	128
20.0	0.006	0.058	0.185	0.160				
50.0	0.033	0.025	0.220	0.250		400E00	250E02	17
100.0								
118.0	0.036	0.024	0.230	0.265		300E00		29

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.000	0.002	0.000	0.001
10.0							
20.0							
50.0	0.000	0.001	0.000	0.002	0.001	0.001	0.000
100.0	0.000	0.001	0.000	0.002	0.001	0.001	0.000
118.0	0.000	0.001	0.000	0.002	0.011	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.002	0.205	0.000	0.005
10.0					
20.0					
50.0	0.001	0.001	0.190	0.000	0.002
100.0	0.001	0.001	0.190	0.000	0.007
118.0	0.001	0.001	0.200	0.000	0.004

C-REF-NO 015  
 CONS. NO 072  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 2300

NO. DEPTHS 01  
 SOUNDING 2080  
 BT SLIDE NO 073

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0	2.0	9	19.50					

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF2OFT	BACBIO
0.0					5.6			



C-REF-NO 015  
 CONS. NO 073  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-21-36N  
 LON 077-18-00W

YEAR 1969  
 MONTH 07  
 DAY 11  
 TIME 2356

NO. DEPTHS 05  
 SOUNDING 1180  
 BT SLIDE NO 074

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0	2.8	9	18.77	0.01	0.1	321	12.49	
10.0			14.01	0.02	0.2	325	13.66	
25.0			5.12	0.02	0.0	333	13.34	
49.0			4.07	0.01	0.0	335	13.32	
114.0			3.68	0.04	0.1	334	13.82	

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0								
10.0								
25.0								
49.0								
114.0								

C-REF-NO 015  
 CONS. NO 074  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 0053

NO. DEPTHS 05  
 SOUNDING 0420  
 BT SLIDE NO 075

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0			17.08	0.02	0.4	315	11.87	0.077
5.0			15.40	0.00	0.4	325	11.41	0.065
9.0			11.26	0.02	0.4	327	12.10	0.048
23.0			4.36	0.02	0.3	334	12.89	0.049
40.0			4.42	0.02	0.2	334	12.80	0.073

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.007	0.027	0.040	0.085	4.2	400E00		215
5.0	0.004	0.019	0.005	0.055				
9.0	0.014	0.052	0.050	0.060		150E01		124
23.0	0.008	0.043	0.160	0.140		300E00		42
40.0	0.043	0.040	0.215	0.320		200E00	130E03	26

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.003	0.004	0.001	0.000
5.0							
9.0							
23.0							
40.0	0.000	0.000	0.000	0.002	0.002	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.002	0.215	0.000	0.000
5.0					
9.0					
23.0					
40.0	0.001	0.001	0.190	0.000	0.011

C-REF-NO 015  
 CONS. NO 075  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-12N  
 LON 077-00-00W

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 0310

NO. DEPTHS 04  
 SOUNDING 0160  
 BT SLIDE NO 076

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0			19.07	0.00	0.3	327	10.88	0.065
5.0			19.04	0.01	0.5	327	11.17	0.081
10.0			11.50	0.02	0.3	330	10.27	0.058
14.0			6.66	0.00	0.2	335	11.27	0.069

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.008	0.022	0.020	0.050	5.0	500E00	240E03	153
5.0	0.004	0.013	0.002	0.045				
10.0	0.014	0.062	0.115	0.120		800E00	720E02	98
14.0	0.040	0.054	0.215	0.295		170E01	930E02	65

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.002	0.004	0.001	0.000
5.0							
10.0							
14.0	0.000	0.000	0.000	0.002	0.002	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.000	0.002	0.195	0.000	0.008
5.0					
10.0					
14.0	0.001	0.001	0.190	0.000	0.004

C-REF-NO 015  
 CONS. NO 076  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-21-42N  
 LON 077-00-00W

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 0410

NO. DEPTHS 05  
 SOUNDING 0720  
 BT SLIDE NO 077

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
1.0			18.58	0.01	0.2	326	10.63	0.076
10.0			15.75	0.00	0.2	322	10.59	0.060
25.0			6.99	0.01	0.2	332	13.35	0.037
50.0			3.99	0.00	0.0	336	13.42	0.053
70.0			3.80	0.01	0.3	338	13.42	0.050

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.006	0.045	0.055	0.330	4.4	600E00	140E03	77
10.0	0.010	0.056	0.025	0.135		800E00	110E03	184
25.0	0.012	0.050	0.140	0.160				
50.0	0.037	0.041	0.235	0.390		700E00	440E03	41
70.0	0.045	0.037	0.250	0.725		300E00	750E02	33

C-REF-NO 015  
 CONS. NO 077  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 0456

NO. DEPTHS 01  
 SOUNDING 1890  
 BT SLIDE NO 078

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			16.90					

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					5.4			

C-REF-NO 015  
 CONS. NO 078  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-30-18N  
 LON 077-00-00W

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 0652

NO. DEPTHS 05  
 SOUNDING 2040  
 BT SLIDE NO 079

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0			18.70	0.00	0.3	330	11.30	0.073
10.0			9.57	0.01	0.4	338	11.95	0.065
25.0			5.43	0.00	0.1	336	13.23	0.062
49.0			4.02	0.01	0.0	344	13.42	0.069
199.0			3.66	0.01	0.1	340	10.29	0.055

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.024	0.023	0.045	0.200	4.2	160E01		143
10.0	0.014	0.018	0.090	0.170		800E00		88
25.0	0.024	0.029	0.200	0.255		170E01		44
49.0	0.036		0.240	0.340				
199.0	0.038	0.014	0.240	0.440		600E00		13

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.003	0.006	0.001	0.000
10.0							
25.0							
49.0	0.000	0.000	0.000	0.003	0.003	0.001	0.000
199.0	0.000	0.001	0.000	0.003	0.001	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.001	0.190	0.000	0.012
10.0					
25.0					
49.0	0.001	0.001	0.195	0.000	0.014
199.0	0.001	0.001	0.205	0.000	0.006

C-REF-NO 015  
 CONS. NO 079  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 0753

NO. DEPTHS 01  
 SOUNDING 1950  
 BT SLIDE NO 080

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			18.70					

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					3.4			

C-REF-NO 015  
 CONS. NO 080  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 077-00-00W

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 0844

NO. DEPTHS 05  
 SOUNDING 1500  
 BT SLIDE NO 081

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			18.58	0.00	0.3	326	11.18	0.059
10.0			11.33	0.00	0.4	330	11.33	0.059
15.0			7.47	0.01	0.4	335	11.73	0.061
50.0			3.98	0.02	0.0	343	13.26	0.050
148.0			3.67	0.01	0.2	341	12.58	0.055

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.000	0.021	0.030	0.015	4.3	670E01	250E03	287
10.0	0.000	0.010	0.000	0.040		180E01	100E03	159
15.0	0.000	0.014	0.110	0.105				
50.0	0.003	0.019	0.250	0.225		200E00	580E02	51
148.0	0.006	0.020	0.260	0.650		180E01	700E02	47

DEPTH	CD F	CR F	CU F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.002	0.002	0.001	0.000
10.0							
15.0							
50.0	0.000	0.000	0.000	0.002	0.001	0.001	0.000
148.0	0.001	0.000	0.000	0.001	0.003	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.001	0.180	0.000	0.006
10.0					
15.0					
50.0	0.001	0.001	0.180	0.000	0.000
148.0	0.001	0.001	0.185	0.000	0.000

C-REF-NO 015  
 CONS. NO 081  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 0948

NO. DEPTHS 01  
 SOUNDING 0940  
 BT SLIDE NO 082

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			17.90					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					4.0			

C-REF-NO 015  
 CONS. NO 082  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-47-42N  
 LON 077-00-00W

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 1045

NO. DEPTHS 05  
 SOUNDING 0600  
 BT SLIDE NO 083

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0	2.5	9	19.18	0.00	0.5	332	11.64	0.055
10.0			9.76	0.01	0.2	338	10.76	0.061
30.0			4.68	0.01	0.1	340	12.81	0.052
50.0			3.90	0.02	0.5	339	12.81	0.064
58.0			3.88	0.01	0.9	343	12.57	0.076

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.005	0.016	0.035	0.050	3.9	150E02		208
10.0	0.004	0.015	0.005	0.000		610E01	230E02	77
30.0	0.004	0.031	0.220	0.130				
50.0	0.038	0.023	0.250	0.275		510E01	250E03	35
58.0	0.046	0.024	0.275	0.450		270E01	690E02	73

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.001	0.003	0.001	0.000
10.0							
30.0							
50.0	0.000	0.001	0.000	0.002	0.003	0.001	0.000
58.0	0.000	0.000	0.000	0.000	0.002	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.001	0.185	0.000	0.000
10.0					
30.0					
50.0	0.001	0.001	0.185	0.000	0.000
58.0	0.001	0.001	0.175	0.000	0.000

C-REF-NO 015  
 CONS. NO 083  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 1139

NO. DEPTHS 03  
 SOUNDING 0110  
 BT SLIDE NO 084

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.0	11	17.65	0.01	0.3	323	12.24	0.062
5.0			17.30	0.05	0.3	321	12.34	0.058
10.0			13.96	0.01	0.3	332	9.75	0.053

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.001	0.014	0.015	0.040	5.1	260E01	860E02	296
5.0	0.000	0.014	0.005	0.010		160E01	800E02	281
10.0	0.003	0.017	0.050	0.090		440E01	150E03	152

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.002	0.003	0.001	0.000
5.0							
10.0	0.000	0.001	0.000	0.002	0.001	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.001	0.185	0.000	0.000
5.0					
10.0	0.001	0.000	0.180	0.000	0.000

C-REF-NO 015  
 CONS. NO 084  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-20N  
 LON 076-42-00W

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 1323

NO. DEPTHS 05  
 SOUNDING 0370  
 BT SLIDE NO 085

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.0	10	18.06	0.01	0.4	316	12.37	0.066
10.0			13.91	0.01	0.5	326	12.27	0.073
15.0			12.07	0.01	0.7	337	10.42	0.060
25.0			8.81	0.01	0.2	337	9.51	0.050
35.0			4.87	0.01	0.4	334	10.99	0.080

DEPTH	SR P04	NH3	TFND3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.005	0.024	0.050	0.030	4.6	740E01	600E03	223
10.0	0.005		0.020	0.020		500E01	190E03	158
15.0	0.005	0.032	0.075	0.050				
25.0	0.017	0.070	0.120	0.160		290E01	710E02	76
35.0	0.053	0.055	0.260	0.500		100E02	180E03	70

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.002	0.002	0.001	0.000
10.0							
15.0							
25.0							
35.0	0.000	0.000	0.000	0.002	0.001	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.001	0.190	0.000	0.000
10.0					
15.0					
25.0					
35.0	0.001	0.001	0.190	0.000	0.008

C-REF-NO 015  
 CONS. NO 085  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 1518

NO. DEPTHS 07  
 SOUNDING 1420  
 BT SLIDE NO 086

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	3.0	10	18.18	0.00	0.5	323	11.20	0.055
10.0			14.58	0.02	0.6	329	10.43	0.070
25.0			4.51	0.01	0.1	335	13.04	0.050
50.0			3.94	0.01	1.6	339	13.28	0.066
100.0								
133.0								
140.0			3.77	0.01	0.8	342	12.20	0.066

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.011	0.023	0.030	0.100	4.8	320E01	520E03	215
10.0	0.008	0.019	0.025	0.060		470E01	310E03	158
25.0	0.018	0.033	0.220	0.170				
50.0	0.043	0.028	0.235	0.260		140E01	600E02	69
100.0								
133.0						450E01	750E02	64
140.0	0.044	0.027	0.225	0.500				

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.002	0.001	0.001	0.000
10.0							
25.0							
50.0	0.001	0.000	0.000	0.002	0.001	0.001	0.000
100.0	0.000	0.000	0.000	0.004	0.001	0.001	0.000
133.0							
140.0	0.000	0.000	0.000	0.005	0.001	0.001	0.002

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.002	0.190	0.000	0.006
10.0					
25.0					
50.0	0.001	0.001	0.195	0.000	0.011
100.0	0.001	0.001	0.190	0.000	0.008
133.0					
140.0	0.001	0.001	0.190	0.000	0.006



C-REF-NO 015  
 CONS. NO 086  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 1735

NO. DEPTHS 05  
 SOUNDING 0690  
 BT SLIDE NO 087

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0	2.0	9	18.97	0.00	0.5	321	11.36	0.084
10.0			15.63	0.01	1.5	327	11.33	0.084
25.0			7.22	0.00	1.1	336	12.17	0.052
50.0			3.97	0.00	0.3	339	12.90	0.070
66.0			3.92	0.00	1.8	338	12.96	0.062

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.011	0.012	0.020	0.090	5.6			
10.0	0.009	0.014	0.010	0.045				
25.0	0.010	0.016	0.020	0.045				
50.0	0.047	0.028	0.240	0.310				
66.0	0.048	0.027	0.235	0.345				

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.002	0.001	0.001	0.000
10.0							
25.0							
50.0	0.000	0.000	0.000	0.003	0.001	0.001	0.000
66.0	0.000	0.001	0.000	0.002	0.001	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.001	0.180	0.000	0.004
10.0					
25.0					
50.0	0.002	0.002	0.190	0.000	0.007
66.0	0.001	0.001	0.175	0.000	0.005

C-REF-NO 015  
 CONS. NO 087  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-23-00N  
 LON 076-42-00W

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 1816

NO. DEPTHS 04  
 SOUNDING 0190  
 BT SLIDE NO 088

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0	4.0	11	18.53	0.03				
10.0			14.20	0.01				
15.0			11.36	0.00				
17.0			10.65	0.02				

DEPTH	SR P04	NH3	TFND3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0					4.4	100E02	300E03	194
10.0						120E02	140E03	116
15.0								
17.0						100E02	110E03	70

C-REF-NO 015  
 CONS. NO 088  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-28-36N  
 LON 076-32-06W

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 1940

NO. DEPTHS 04  
 SOUNDING 0180  
 BT SLIDE NO 089

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0	1.8	11	19.74	0.00	0.4	340	10.95	0.100
10.0			18.60	0.01	0.4	369	10.62	0.060
15.0			13.24	0.01	0.3	345	9.45	0.087
17.0			7.94	0.01	0.4	341	11.12	0.068

DEPTH	SR P04	NH3	TFND3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.008	0.020	0.030	0.050	4.5	140E02	160E03	239
10.0	0.007	0.024	0.030	0.030		590E01		167
15.0	0.036	0.065	0.130	0.090				
17.0	0.040	0.060	0.225	0.200		200E02	190E02	59

C-REF-NO 015  
 CONS. NO 089  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 2049

NO. DEPTHS 05  
 SOUNDING 0620  
 BT SLIDE NO 090

DEPTH	SECCMI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0	2.0	11	20.51	0.01	0.3	335	10.76	0.100
10.0			17.32	0.01	0.4	337	10.79	0.070
40.0			4.52	0.02	0.2	341	12.80	0.066
50.0			4.28	0.00	0.3	340	12.88	0.063
60.0			4.02	0.00	0.4	347	12.20	0.044

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.003	0.020	0.050	0.000	4.4	110E02	510E03	421
10.0	0.006	0.047	0.025	0.000		190E02		232
40.0	0.021	0.079	0.055	0.040				
50.0	0.041	0.037	0.275	0.325		650E01	240E03	62
60.0	0.038	0.048	0.275	0.300		130E02		57

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.002	0.002	0.001	0.000
10.0							
40.0							
50.0	0.000	0.001	0.000	0.002	0.003	0.001	0.000
60.0	0.000	0.000	0.000	0.002	0.001	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.002	0.185	0.000	0.000
10.0					
40.0					
50.0	0.001	0.001	0.180	0.000	0.015
60.0	0.001	0.002	0.180	0.000	0.008

C-REF-NO 015  
 CONS. NO 090  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 076-24-00W

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 2138

NO. DEPTHS 01  
 SOUNDING 1000  
 BT SLIDE NO 091

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.0	11	18.90					

DEPTH	SR P04	NH3	TFN03	R SID2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					5.0			

C-REF-NO 015  
 CONS. NO 091  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-12N  
 LON 076-24-00W

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 2218

NO. DEPTHS 05  
 SOUNDING 0620  
 BT SLIDE NO 092

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0	2.0	11	19.53	0.01	0.4	328	11.80	0.069
10.0			12.40	0.01	0.2	333	9.22	0.065
30.0			4.88	0.01	0.0	341	13.11	0.038
50.0			4.08	0.01	0.1	341	12.94	0.076
60.0			3.97	0.02	0.5	343	12.43	0.074

DEPTH	SR P04	NH3	TFN03	R SID2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.002	0.010	0.030	0.000	6.0	710E01		152
10.0	0.002	0.009	0.020	0.000		900E01		136
30.0	0.001	0.032	0.220	0.180				
50.0	0.036	0.021	0.250	0.330		300E01		37
60.0	0.045	0.024	0.280	0.550		130E02	100E03	52

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.003	0.001	0.001	0.000
10.0							
30.0							
50.0	0.000	0.000	0.000	0.002	0.001	0.001	0.000
60.0	0.000	0.000	0.000	0.002	0.001	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.002	0.180	0.000	0.000
10.0					
30.0					
50.0	0.001	0.002	0.175	0.000	0.000
60.0	0.001	0.003	0.185	0.000	0.001

C-REF-NO 015  
 CONS. NO 092  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-47-42N  
 LON 076-24-00W

YEAR 1969  
 MONTH 07  
 DAY 12  
 TIME 2310

NO. DEPTHS 01  
 SOUNDING 0460  
 BT SLIDE NO 093

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.0	11	18.70					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
0.0					5.2			

C-REF-NO 015  
 CONS. NO 093  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 13  
 TIME 0004

NO. DEPTHS 04  
 SOUNDING 0170  
 BT SLIDE NO 094

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0	2.0	11	20.03	0.01	0.3	316	10.41	0.101
5.0			20.00	0.00	0.3	312	10.38	0.081
10.0			16.95	0.00	0.1	331	8.56	0.055
15.0			14.06	0.02	0.1	335	8.73	0.066

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.005	0.014	0.030	0.245	6.1	190E02	170E03	253
5.0	0.002	0.020	0.030	0.240		140E02	270E03	195
10.0	0.018	0.079	0.035	0.070		770E01		85
15.0	0.042	0.090	0.070	0.165		280E02		102

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.001	0.006	0.001	0.000
5.0							
10.0							
15.0	0.000	0.000	0.000	0.004	0.001	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.003	0.175	0.000	0.002
5.0					
10.0					
15.0	0.001	0.002	0.175	0.000	0.008

C-REF-NO 015  
 CONS. NO 094  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 13  
 TIME 0124

NO. DEPTHS 04  
 SOUNDING 0210  
 BT SLIDE NO 095

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0			20.77	0.01				
5.0			20.08	0.01				
10.0			18.13	0.09				
19.0			11.42	0.03				

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0					7.3	150E02	360E03	373
5.0						850E01	540E03	350
10.0						130E02	350E03	206
19.0						230E02	500E03	116

C-REF-NO 015  
 CONS. NO 095  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 13  
 TIME 0304

NO. DEPTHS 05  
 SOUNDING 0260  
 BT SLIDE NO 096

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
1.0			18.73	0.01	0.3	330	10.70	0.094
5.0			18.26	0.02	0.5	331	10.68	0.105
10.0			15.83	0.01	0.2	337	9.43	0.055
20.0			10.08	0.06	0.2	340	8.91	0.065
24.0			8.74	0.00	0.2	338	9.00	0.069

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.005	0.020	0.050	0.005	4.4	530E01		182
5.0	0.006	0.013	0.025	0.000				
10.0	0.010	0.065	0.050	0.010		250E01		100
20.0	0.035	0.081	0.185	0.355		250E01		30
24.0	0.037	0.075	0.200	0.395		500E01	660E02	31

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.000	0.000	0.003	0.003	0.001	0.000
5.0							
10.0							
20.0							
24.0	0.000	0.001	0.000	0.003	0.001	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.002	0.185	0.000	0.005
5.0					
10.0					
20.0					
24.0	0.001	0.002	0.195	0.000	0.012

C-REF-NO 015
CONS. NO 096
COUNTRY 18
INSTITUTE 22

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

YEAR 1969  
MONTH 07  
DAY 13  
TIME 0438

NO. DEPTHS 04  
SOUNDING 0190  
BT SLIDE NO 097

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T PD4
1.0			18.84	0.01	0.4	323	10.56	0.068
10.0			16.97	0.01	0.2	329	9.40	0.088
15.0			13.78	0.00	0.1	336	7.73	0.051
17.0			13.25	0.03	0.1	341	7.77	0.052

DEPTH	SR PD4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.006	0.015	0.040	0.045	4.5	340E01	800E02	342
10.0	0.001	0.019	0.015	0.000		300E01		222
15.0	0.014	0.071	0.080	0.140		390E01	280E02	100
17.0	0.024	0.080	0.100	0.245		320E01	400E02	176

DEPTH	CD F	CR F	CU F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.002	0.002	0.001	0.000
10.0							
15.0							
17.0	0.000	0.000	0.000	0.002	0.002	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.002	0.185	0.000	0.009
10.0					
15.0					
17.0	0.001	0.002	0.190	0.000	0.004

C-REF-NO 015  
 CONS. NO 097  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 07  
 DAY 13  
 TIME 0613

NO. DEPTHS 04  
 SOUNDING 0310  
 BT SLIDE NO 098

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
1.0			19.18	0.00	0.6	323	11.00	0.077
10.0			15.62	0.01	0.3	332	9.45	0.072
20.0			10.93	0.01	0.1	335	9.62	0.040
29.0			7.41	0.02	0.3	340	7.74	0.072

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT	BACBIO
1.0	0.005	0.016	0.045	0.065	5.1	680E01	500E02	334
10.0	0.005	0.045	0.040	0.040		610E01	310E02	182
20.0	0.006	0.055	0.100	0.115		280E01	300E02	56
29.0	0.030	0.065	0.240	0.920		870E01	200E02	74

DEPTH	CD F	CR F	CO F	CU F	FE F	PB F	MN F
1.0	0.000	0.001	0.000	0.002	0.002	0.001	0.000
10.0							
20.0							
29.0	0.000	0.001	0.000	0.002	0.001	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
1.0	0.001	0.002	0.190	0.000	0.005
10.0					
20.0					
29.0	0.001	0.002	0.185	0.000	0.011



**CRUISE 69 - 017, August 5 - 10**

C-REF-NO 017  
 CONS. NO 001  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-19-12N  
 LON 079-42-00W

YEAR 1969  
 MONTH 08  
 DAY 05  
 TIME 1616

NO. DEPTHS 06  
 SOUNDING 0410  
 BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.0	11	21.50					
1.0			22.56	0.01	0.6	317	9.78	0.069
5.0			21.85	0.02	0.3	319	10.29	0.068
10.0			12.91	0.00	0.2	334	9.55	0.100
25.0			5.01	0.01	0.1	337	11.97	0.091
39.0			4.18	0.02	0.5	342	11.34	0.115

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.1			
1.0	0.009	0.021	0.032	0.140		000E00	180E01	800E00
5.0	0.010	0.014	0.016	0.179				
10.0	0.041	0.066	0.030	0.114			120E02	420E01
25.0	0.046	0.037	0.245	0.420				
39.0	0.066	0.012	0.305	0.810		900E00	460E01	240E01

C-REF-NO 017  
 CONS. NO 002  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-18N  
 LON 079-39-06W

YEAR 1969  
 MONTH 08  
 DAY 05  
 TIME 1732

NO. DEPTHS 01  
 SOUNDING 0380  
 BT SLIDE NO 002

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.2	11	23.80					

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.0			

C-REF-NO 017  
 CONS. NO 003  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-14-12N  
 LON 079-34-12W

YEAR 1969  
 MONTH 08  
 DAY 05  
 TIME 1822

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	3.0	10	23.30					
1.0			23.35	0.02	0.7	312	9.52	0.093
5.0			22.98	0.00	0.7	312	9.26	0.100
10.0			13.01	0.00	0.5	338	7.94	0.098

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					6.0			
1.0	0.006	0.009	0.017	0.210			360E01	180E02
5.0	0.013	0.015	0.020	0.195				
10.0	0.049	0.062	0.095	0.310		190E01	300E01	600E01

C-REF-NO 017  
 CONS. NO 004  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-18N  
 LON 079-33-42W

YEAR 1969  
 MONTH 08  
 DAY 05  
 TIME 1909

NO. DEPTHS 01  
 SOUNDING 0640  
 BT SLIDE NO 004

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.6	10	22.30					

DEPTH	SR P04	NH3	TFND3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					2.6			

C-REF-NO 017  
 CONS. NO 005  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-22-00N  
 LON 079-33-00W

YEAR 1969  
 MONTH 08  
 DAY 05  
 TIME 2006

NO. DEPTHS 06  
 SOUNDING 0840  
 BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	4.0	10	24.20					
1.0			23.88	0.00	1.0	307	9.68	0.084
10.0			11.07	0.01	0.2	330	10.09	0.048
20.0			6.00	0.00	0.1	335	11.66	0.050
50.0			4.08	0.00	0.3	335	12.69	0.068
82.0			3.90	0.00	0.3	337	11.72	0.106

DEPTH	SR P04	NH3	TFND3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					2.8			
1.0	0.010	0.010	0.035	0.198			420E01	570E01
10.0	0.012	0.055	0.010	0.088			190E02	560E01
20.0	0.022	0.035	0.185	0.222				
50.0	0.057	0.004	0.280	0.410			890E01	520E01
82.0	0.076	0.004	0.310	1.120			900E01	410E01

C-REF-NO 017  
 CONS. NO 006  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-25-54N  
 LON 079-34-36W

YEAR 1969  
 MONTH 08  
 DAY 05  
 TIME 2116

NO. DEPTHS 01  
 SOUNDING 0660  
 BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	3.0	8	22.80					

DEPTH	SR P04	NH3	TFND3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					5.1			

C-REF-NO 017  
 CONS. NO 007  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-29-00N  
 LON 079-35-48W

YEAR 1969  
 MONTH 08  
 DAY 05  
 TIME 2204

NO. DEPTHS 05  
 SOUNDING 0220  
 BT SLIDE NO 007

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.5	10	23.20					
1.0			22.99	0.01	0.6	315	10.40	0.097
5.0			18.55	0.07	0.7	322	9.26	0.122
10.0			10.81	0.01	0.7	334	9.56	0.076
20.0			5.85	0.02	1.3	338	10.82	0.102

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					5.8			
1.0	0.019	0.009	0.032	0.210		250E01	110E01	130E02
5.0	0.063	0.063	0.062	0.215			140E01	670E01
10.0	0.050	0.060	0.055	0.210			110E01	710E01
20.0	0.070	0.055	0.245	0.475			710E01	850E01

C-REF-NO 017  
 CONS. NO 008  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-31-06N  
 LON 079-31-36W

YEAR 1969  
 MONTH 08  
 DAY 05  
 TIME 2248

NO. DEPTHS 01  
 SOUNDING 0260  
 BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	1.5	11	22.80					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					10.8			

C-REF-NO 017  
 CONS. NO 009  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-37-12N  
 LON 079-27-18W

YEAR 1969  
 MONTH 08  
 DAY 05  
 TIME 2336

NO. DEPTHS 05  
 SOUNDING 0190  
 BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	3.0	8	23.20					
1.0			23.21	0.00	0.9	313	10.27	0.106
5.0			23.20	0.00	0.8	314	10.30	0.067
10.0			14.11	0.00	0.4	334	9.64	0.102
17.0			10.31	0.02	0.2	337	9.64	0.066

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.8			
1.0	0.009	0.005	0.005	0.205		180E01	200E01	150E01
5.0	0.004	0.004	0.003	0.132				
10.0	0.005	0.002	0.002	0.140			120E01	930E01
17.0	0.035	0.053	0.055	0.205		470E01	240E02	780E01



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

LAT 43-25-54N  
 LON 079-24-00W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 0221

NO. DEPTHS 01  
 SOUNDING 1130  
 BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			23.50					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					5.5			

C-REF-NO 017  
 CONS. NO 013  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-21-24N  
 LON 079-24-00W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 0313

NO. DEPTHS 06  
 SOUNDING 0990  
 BT SLIDE NO 013

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			23.40					
1.0			23.40	0.01	0.5	298	9.16	0.062
10.0			13.84	0.01	0.4	315	8.91	0.060
25.0			4.21	0.01	0.1	300	12.35	0.050
50.0			3.98	0.01	0.0	288	13.05	0.069
97.0			3.80	0.02	0.3	308		0.204

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.2			
1.0	0.007	0.007	0.025	0.130			250E02	880E01
10.0	0.007	0.028	0.017	0.110			660E01	340E01
25.0	0.019	0.018	0.265	0.425				
50.0	0.034	0.002	0.292	0.375			450E01	370E01
97.0	0.070	0.002	0.330	1.600			320E01	400E01

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

LAT 43-17-18N  
 LON 079-24-00W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 0416

NO. DEPTHS 01  
 SOUNDING 0770  
 BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			23.50					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.8			

C-REF-NO 017  
 CONS. NO 015  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 0502

NO. DEPTHS 04  
 SOUNDING 0160  
 BT SLIDE NO 015

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			23.50					
1.0			23.40	0.01	0.6	275	10.41	0.065
10.0			14.48	0.01	0.3	302	9.40	0.055
14.0			9.35	0.00	0.2	315	10.87	0.088

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.4			
1.0	0.007	0.006	0.015	0.130			170E01	430E01
10.0	0.000	0.035	0.015	0.062			310E01	620E01
14.0	0.015	0.048	0.165	0.390		900E00	250E01	410E01

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

LAT 43-15-06N  
 LON 079-15-00W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 0610

NO. DEPTHS 04  
 SOUNDING 0220  
 BT SLIDE NO 016

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			23.30					
1.0			23.27	0.04	3.1	313	7.50	
10.0			10.92	0.00	8.3	332	9.09	
20.0			4.94	0.01	0.3	339	10.71	

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.5			
1.0							520E03	170E04
10.0							520E02	870E02
20.0							600E02	400E02

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

LAT 43-17-18N  
 LON 079-15-00W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 0642

NO. DEPTHS 01  
 SOUNDING 0770  
 BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			23.60					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.9			

C-REF-NO 017  
 CONS. NO 018  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-21-24N  
 LON 079-15-00W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 0729

NO. DEPTHS 01  
 SOUNDING 1000  
 BT SLIDE NO 018

DEPTH SECCHI FOREL TEMP T CLAS TURB SP CON 02 W T P04  
 0.0 23.80

DEPTH SR PQ4 NH3 TFNO3 R SIO2 CHLORA MF COL SPC 20 SPC 35  
 0.0 5.5

C-REF-NO 017  
 CONS. NO 019  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-25-54N  
 LON 079-15-00W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 0810

NO. DEPTHS 01  
 SOUNDING 1300  
 BT SLIDE NO 019

DEPTH SECCHI FOREL TEMP T CLAS TURB SP CON 02 W T P04  
 0.0 23.70

DEPTH SR PQ4 NH3 TFNO3 R SIO2 CHLORA MF COL SPC 20 SPC 35  
 0.0 4.7

C-REF-NO 017  
 CONS. NO 020  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-30-18N  
 LON 079-15-00W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 0846

NO. DEPTHS 01  
 SOUNDING 1220  
 BT SLIDE NO 020

DEPTH SECCHI FOREL TEMP T CLAS TURB SP CON 02 W T P04  
 0.0 23.40

DEPTH SR PQ4 NH3 TFNO3 R SIO2 CHLORA MF COL SPC 20 SPC 35  
 0.0 3.6



C-REF-NO 017  
 CONS. NO 021  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-54N  
 LON 079-15-00W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 0945

NO. DEPTHS 01  
 SOUNDING 1040  
 BT SLIDE NO 021

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			22.00					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					5.5			

C-REF-NO 017  
 CONS. NO 022  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-47-24N  
 LON 079-05-42W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 1150

NO. DEPTHS 05  
 SOUNDING 0200  
 BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	3.0	7	21.80					
1.0			21.65	0.04	0.2	284	10.11	0.074
5.0			21.61	0.01	0.2	291	10.61	0.070
10.0			12.10	0.01	0.2	330	8.71	0.068
18.0			8.74	0.02	0.2	335	9.26	0.068

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					5.6			
1.0	0.010	0.004	0.030	0.190		160E01	870E01	600E01
5.0	0.010	0.003	0.075	0.210				
10.0	0.011	0.004	0.095	0.282			880E01	180E02
18.0	0.014	0.006	0.015	0.180		100E02	110E02	660E01

C-REF-NO 017  
 CONS. NO 023  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-42-18N  
 LON 079-12-48W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 1316

NO. DEPTHS 05  
 SOUNDING 0160  
 BT SLIDE NO 023

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.0	11	22.50					
1.0			22.84	0.01	0.2	274	9.57	0.058
5.0			21.00	0.03	0.1	265	9.80	0.074
10.0			12.54	0.02	0.1	324	9.16	0.086
14.0			9.27	0.00	0.8	336	9.13	0.056

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.7			
1.0	0.008	0.003	0.020	0.112		150E01	230E01	280E01
5.0	0.010	0.003	0.018	0.112				
10.0	0.012	0.002	0.070	0.210			820E01	300E01
14.0	0.012	0.001	0.085	0.275		160E01	550E01	230E01

C-REF-NO 017  
 CONS. NO 024  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-30N  
 LON 079-15-00W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 1347

NO. DEPTHS 01  
 SOUNDING 0200  
 BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.0	11	21.70					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					5.6			

C-REF-NO 017  
 CONS. NO 025  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-38-54N  
 LON 079-18-00W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 1420

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO 025

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.0	11	21.30					
1.0			21.42	0.01	0.9	276	10.71	
5.0			19.91	0.00	0.9	295	9.64	
10.0			14.59	0.01				

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					6.0			
1.0						600E00	330E01	180E01
5.0								
10.0						210E02	260E02	170E02

C-REF-NO 017  
 CONS. NO 026  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-36-24N  
 LON 079-21-00W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 1511

NO. DEPTHS 06  
 SOUNDING 0680  
 BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.0	11	20.40					
1.0			20.80	0.00	0.9	289	9.94	0.220
10.0			9.52	0.01	0.4	303	9.63	0.070
25.0			5.11	0.02	0.2	317	11.54	0.063
50.0			4.16	0.03	0.1	297	13.01	0.056
66.0			4.11	0.01	0.1	302	12.35	0.063

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					7.8			
1.0	0.050	0.040	0.030	0.298		110E02	300E03	570E02
10.0	0.013	0.002	0.035	0.272			210E02	890E01
25.0	0.033	0.015	0.235	0.410				
50.0	0.040	0.016	0.260	0.445			270E02	270E01
66.0	0.040	0.012	0.255	0.450		400E00	120E02	220E01

C-REF-NO 017  
 CONS. NO 027  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 079-06-00W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 1836

NO. DEPTHS 06  
 SOUNDING 1070  
 BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.9	11	23.20					
1.0			22.72	0.00	0.6	307	9.77	0.062
10.0			10.24	0.02	0.4	330	9.40	0.083
20.0			5.53	0.02	0.4	334	11.45	0.045
50.0			4.03	0.00	0.1	335	12.66	0.065
105.0			3.81	0.01	0.2	337		0.087

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.6			
1.0	0.010	0.004	0.015	0.170			340E01	580E01
10.0	0.028	0.007	0.085	0.265			470E02	340E02
20.0	0.021	0.028	0.180	0.250				
50.0	0.043	0.003	0.270	0.380			200E01	320E01
105.0	0.052	0.001	0.285	1.000			450E01	160E01

C-REF-NO 017  
 CONS. NO 028  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 2028

NO. DEPTHS 06  
 SOUNDING 1190  
 BT SLIDE NO 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.5	11	24.40					
1.0			24.32	0.00	0.4	316	9.81	0.076
5.0			23.78	0.01	0.4	317	9.40	0.073
10.0			23.20	0.01	0.4	319	8.98	0.069
50.0			4.03	0.01	0.1	332	12.77	0.074
117.0			3.81	0.00	0.5	341	10.26	0.156

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					5.0			
1.0	0.015	0.012	0.035	0.230			420E01	310E02
5.0	0.010	0.005	0.015	0.165				
10.0	0.025	0.040	0.025	0.185			860E01	510E02
50.0	0.052	0.004	0.265	0.350			200E01	340E01
117.0	0.110	0.003	0.310	1.550			130E02	160E02

C-REF-NO 017  
 CONS. NO 029  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-16-12N  
 LON 079-08-48W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 2214

NO. DEPTHS 05  
 SOUNDING 0150  
 BT SLIDE NO 029

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.0	11	24.20					
1.0			24.21	0.01	0.9	305	9.59	0.083
5.0			24.20	0.01	1.1	313	9.60	0.083
10.0			17.76	0.01	0.6	316	7.80	0.082
13.0			7.56	0.01	0.5	330	9.32	0.084

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					6.6			
1.0	0.015	0.008	0.020	0.215			170E02	880E02
5.0	0.010	0.003	0.005	0.162				
10.0	0.020	0.014	0.015	0.155			700E01	230E02
13.0	0.054	0.065	0.150	0.400				

C-REF-NO 017  
 CONS. NO 030  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-42N  
 LON 079-06-30W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 2246

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.0	10	23.30					
1.0			23.49	0.01	1.2	313	9.26	0.085
5.0			23.44	0.01	1.0	312	9.24	0.087
10.0			23.43	0.01	0.9	313	9.21	0.088

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.9			
1.0	0.030	0.028	0.030	0.205		250E02	150E03	200E04
5.0	0.034	0.021	0.029	0.180				
10.0	0.040	0.043	0.035	0.220			150E03	230E04

C-REF-NO 017  
 CONS. NO 031  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-18-12N  
 LON 079-02-24W

YEAR 1969  
 MONTH 08  
 DAY 06  
 TIME 2336

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.1	10	24.30					
1.0			24.03	0.00	0.5	317	9.48	0.076
5.0			24.01	0.00	0.4	318	9.46	0.080
10.0			21.59	0.01	0.8	319	8.09	0.119

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					7.1			
1.0	0.010	0.009	0.015	0.200			110E02	120E04
5.0	0.010	0.008	0.010	0.180				
10.0	0.045	0.098	0.025	0.250		220E01	700E01	800E01

C-REF-NO 017  
 CONS. NO 032  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 0056

NO. DEPTHS 05  
 SOUNDING 0490  
 BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			24.30					
1.0			24.32	0.01	0.8	291	9.54	0.070
10.0			22.38	0.01	0.6	301	7.78	0.090
25.0			6.95	0.01	0.8	327	10.67	0.062
47.0			4.14	0.01	0.9	335	11.41	0.089

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0								
1.0	0.010	0.008	0.010	0.185		400E00	180E01	720E01
10.0	0.045	0.075	0.050	0.190			510E01	420E01
25.0	0.040	0.042	0.190	0.315				
47.0	0.060	0.005	0.275	0.695		400E00	220E01	420E01

C-REF-NO 017  
 CONS. NO 033  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 0156

NO. DEPTHS 06  
 SOUNDING 1230  
 BT SLIDE NO 033

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			23.50					
1.0			23.08	0.02	0.8	286	9.10	0.062
10.0			18.41	0.37	0.6	307	7.72	0.063
25.0			5.34	0.02	0.1	308	12.29	0.050
50.0			3.96	0.01	0.2	325	13.07	0.075
121.0			3.72	0.00	0.2	317	12.29	0.090

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.7			
1.0	0.010	0.014	0.015	0.145			380E01	180E02
10.0	0.020	0.044	0.005	0.140			260E02	980E01
25.0	0.025	0.019	0.190	0.240				
50.0	0.052	0.002	0.240	0.330			450E01	120E01
121.0	0.062	0.003	0.265	1.200			140E01	140E01

C-REF-NO 017  
 CONS. NO 034  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-30-18N  
 LON 078-48-00W

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 0249

NO. DEPTHS 01  
 SOUNDING 1460  
 BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			23.80					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.8			

C-REF-NO 017  
 CONS. NO 035  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-24N  
 LON 078-48-00W

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 0350

NO. DEPTHS 06  
 SOUNDING 1430  
 BT SLIDE NO 035

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0			23.70					
1.0			23.56	0.00	0.9	268	9.32	0.078
10.0			13.89		0.3	284	7.69	0.063
25.0			4.60	0.01	0.2	288	13.67	0.051
50.0			3.99	0.00	0.1	332	13.28	0.075
140.0			3.76	0.03	0.1	328	12.73	0.078

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					5.6			
1.0	0.010	0.020	0.030	0.125			600E01	950E01
10.0	0.020	0.034	0.010	0.070			240E01	300E01
25.0	0.025	0.044	0.235	0.265				
50.0	0.056	0.005	0.280	0.340			500E00	230E01
140.0	0.060	0.005	0.275	0.365			400E00	100E01

C-REF-NO 017  
 CONS. NO 036  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 078-48-00W

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 0435

NO. DEPTHS 01  
 SOUNDING 1250  
 BT SLIDE NO 036

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0			23.80					

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.2			

C-REF-NO 017  
 CONS. NO 037  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 078-48-00W  
 YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 0517

NO. DEPTHS 01  
 SOUNDING 0960  
 BT SLIDE NO 037

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			23.60					

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.6			

C-REF-NO 017  
 CONS. NO 038  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-47-36N  
 LON 078-48-00W  
 YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 0607

NO. DEPTHS 06  
 SOUNDING 0550  
 BT SLIDE NO 038

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			23.00					
1.0			22.97	0.00	0.5	269	9.78	0.051
5.0			22.89	0.00	0.5	266	10.11	0.050
10.0			11.54	0.01	0.7	311	9.86	0.053
50.0			4.58	0.00	0.1	314	11.26	0.055
53.0			4.57	0.02	0.2	306	11.26	0.055

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.4			
1.0	0.010	0.008	0.010	0.125		140E01	300E00	160E01
5.0	0.010	0.005	0.002	0.105				
10.0	0.010	0.005	0.015	0.065			350E01	300E01
50.0	0.035	0.054	0.260	0.365			200E00	700E00
53.0	0.036	0.052	0.260	0.365		000E00	100E00	800E00



C-REF-NO 017  
 CONS. NO 039  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 0710

NO. DEPTHS 05  
 SOUNDING 0210  
 BT SLIDE NO 039

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			19.70					
1.0			19.62	0.01	0.8	321	10.10	0.074
5.0			13.70	0.01	0.7	329	8.20	0.087
10.0			10.10	0.03	0.5	332	7.61	0.060
19.0			8.11	0.02	0.6	338	8.76	0.076

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					6.0			
1.0	0.010	0.010	0.010	0.185		360E01	700E00	190E02
5.0	0.010	0.007	0.012	0.235				
10.0	0.010	0.005	0.060	0.250			400E00	180E01
19.0	0.020	0.014	0.135	0.335		400E00	100E00	180E02

C-REF-NO 017  
 CONS. NO 040  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-53-00N  
 LON 078-30-00W

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 0856

NO. DEPTHS 06  
 SOUNDING 0250  
 BT SLIDE NO 040

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0								
1.0			19.68	0.00	0.6	308	9.46	0.068
5.0			12.01	0.03	0.7	321	8.79	0.085
10.0			8.06	0.00	0.7	327	8.86	0.048
15.0			6.45	0.00	0.3	336	10.07	0.047
23.0			6.21	0.00	0.2	325	9.93	0.046

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.3			
1.0	0.012	0.010	0.025	0.150		110E01	240E01	300E01
5.0	0.010	0.006	0.010	0.105				
10.0	0.010	0.004	0.135	0.245			130E01	420E01
15.0	0.010	0.026	0.180	0.265				
23.0	0.014	0.037	0.205	0.350		000E00	600E00	200E01

C-REF-NO 017  
 CONS. NO 041  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 0917

NO. DEPTHS 01  
 SOUNDING 0400  
 BT SLIDE NO 041

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.90					

DEPTH	SR P04	NH3	TFN03	R SID2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.6			

C-REF-NO 017  
 CONS. NO 042  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-48-36N  
 LON 078-30-00W

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 0959

NO. DEPTHS 06  
 SOUNDING 0700  
 BT SLIDE NO 042

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			22.00					
1.0			21.80	0.01	0.8	289	10.75	0.029
5.0			14.78	0.01	1.0	319	9.82	0.039
25.0			4.31	0.01	0.3	340	12.39	0.024
50.0			4.00	0.01	0.5	336	12.06	0.060
68.0			4.00	0.01	0.1	336	11.96	0.070

DEPTH	SR P04	NH3	TFN03	R SID2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.5			
1.0	0.010	0.010	0.015	0.215			160E01	190E01
5.0	0.010	0.006	0.005	0.190			130E01	160E01
25.0	0.012	0.040	0.225	0.185				
50.0	0.036	0.029	0.280	0.435			900E00	900E00
68.0	0.038	0.029	0.280	0.460			400E00	120E01

C-REF-NO 017  
 CONS. NO 043  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 1135

NO. DEPTHS 06  
 SOUNDING 1390  
 BT SLIDE NO 043

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.0	8	22.70					
1.0			22.52	0.01	0.6	273	9.34	0.037
10.0			21.73	0.07	0.6	286	9.18	0.028
25.0			5.40	0.01	0.3	309	11.09	0.030
50.0			3.97	0.03	0.1	313	13.33	0.060
137.0			3.71	0.02	0.1	305	12.42	0.065

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.0			
1.0	0.010	0.016	0.015	0.185			820E01	100E02
10.0	0.012	0.023	0.015	0.060			600E01	770E01
25.0	0.020	0.027	0.220	0.260				
50.0	0.035	0.005	0.260	0.350			900E00	270E01
137.0	0.037	0.005	0.255	0.350			180E01	120E01

C-REF-NO 017  
 CONS. NO 044  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 1311

NO. DEPTHS 01  
 SOUNDING 1100  
 BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	3.0	10	23.60					

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.6			

C-REF-NO 017  
 CONS. NO 045  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 1345

NO. DEPTHS 06  
 SOUNDING 0590  
 BT SLIDE NO 045

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	10	23.70					
1.0			23.59	0.01	0.5	300	8.71	0.066
5.0			23.56	0.01	0.5	303	8.71	0.065
10.0			23.51	0.00	0.5	294	8.57	0.070
50.0			4.26	0.01	0.2	323	12.01	0.069
57.0			4.07	0.01	0.3	321	11.75	0.069

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.0			
1.0	0.020	0.040	0.020	0.160		000E00	600E00	200E01
5.0	0.018	0.039	0.015	0.150				
10.0	0.028	0.076	0.030	0.155			400E00	130E01
50.0	0.038	0.011	0.280	0.375			500E00	560E01
57.0	0.043	0.007	0.285	0.535		000E00	600E00	280E01

C-REF-NO 017  
 CONS. NO 046  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-24-24N  
 LON 078-12-00W

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 1532

NO. DEPTHS 05  
 SOUNDING 0490  
 BT SLIDE NO 046

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.5	10	23.60					
1.0			23.48	0.00	0.5	284	8.96	0.052
5.0			23.42	0.01	0.9	286	9.13	0.046
10.0			23.15	0.01	0.5	315	8.67	0.060
47.0			4.10	0.01	0.3	324	11.41	0.076

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.1			
1.0	0.010	0.016	0.015	0.155		480E01	530E01	610E01
5.0	0.010	0.011	0.005	0.145				
10.0	0.012	0.047	0.015	0.145			260E01	360E01
47.0	0.041	0.005	0.285	0.540		000E00	400E00	330E01

C-REF-NO 017  
 CONS. NO 047  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 1559

NO. DEPTHS 01  
 SOUNDING 0810  
 BT SLIDE NO 047

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.0	10	23.80					

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.4			

C-REF-NO 017  
 CONS. NO 048  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 078-12-00W

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 1738

NO. DEPTHS 06  
 SOUNDING 1550  
 BT SLIDE NO 048

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.5	11	23.80					
1.0			23.81	0.01	0.6	282	9.06	0.040
10.0			18.72	0.01	0.7	271	8.31	0.039
25.0			4.07	0.01	0.0	329	12.84	0.053
49.0			4.06	0.02	0.1	312	13.00	0.046
151.0			3.69	0.02	0.1	312	13.28	0.102

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					2.9			
1.0	0.010	0.010	0.025	0.115			600E00	600E00
10.0	0.020	0.034	0.002	0.085			100E01	120E01
25.0	0.032	0.008	0.245	0.280				
49.0	0.035	0.008	0.245	0.285			900E00	160E01
151.0	0.059	0.008	0.325	2.650			200E00	400E00

C-REF-NO 017  
 CONS. NO 049  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 1928

NO. DEPTHS 06  
 SOUNDING 0520  
 BT SLIDE NO 049

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.8	11	21.70					
1.0			22.06	0.01	0.8	316	9.79	0.029
5.0			22.02	0.01	0.7	313	9.84	0.036
10.0			17.74	0.02	0.7	319	9.03	0.033
25.0			4.95	0.01	0.2	337	11.96	0.028
49.0			4.15	0.01	0.4	372	12.02	0.065

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					2.9			
1.0	0.006	0.016	0.025	0.225			400E00	560E01
5.0	0.006	0.016	0.001	0.175				
10.0	0.007	0.014	0.002	0.185			350E01	740E01
25.0	0.018	0.034	0.230	0.240				
49.0	0.032	0.024	0.280	0.430			200E00	760E01

C-REF-NO 017  
 CONS. NO 050  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 2014

NO. DEPTHS 05  
 SOUNDING 0200  
 BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	1.9	9	19.80					
1.0			19.36	0.03	0.9	294	9.45	0.036
5.0			19.24	0.01	0.9	290	9.46	0.040
10.0			10.17	0.00	1.3	329	7.89	0.041
18.0			7.63	0.02	1.0	335	9.10	0.030

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.6			
1.0	0.008	0.015	0.020	0.190		600E00	180E01	240E01
5.0	0.009	0.013	0.005	0.185				
10.0	0.008	0.012	0.055	0.225			000E00	800E00
18.0	0.006	0.015	0.120	0.295		000E00	100E01	200E01

C-REF-NO 017  
 CONS. NO 051  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-57-24N  
 LON 077-54-00W

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 2150

NO. DEPTHS 06  
 SOUNDING 0380  
 BT SLIDE NO 051

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	3.0	9	20.30					
1.0			17.91	0.05	1.1	320	8.96	0.028
5.0			16.91	0.04	0.6	326	8.96	0.024
10.0			8.97	0.03	1.1	322	9.67	0.032
25.0			6.16	0.02	0.8	331	11.00	0.037
36.0			5.19	0.00	0.3	320	10.54	0.038

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.6			
1.0	0.007	0.018	0.020	0.200		140E01	100E01	550E01
5.0	0.007	0.015	0.004	0.135				
10.0	0.007	0.015	0.005	0.135			270E01	570E01
25.0	0.018	0.040	0.205	0.300				
36.0	0.021	0.034	0.235	0.320		200E00	200E00	240E01

C-REF-NO 017  
 CONS. NO 052  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 2222

NO. DEPTHS 01  
 SOUNDING 0380  
 BT SLIDE NO 052

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.0	9	19.80					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.6			

C-REF-NO 017  
 CONS. NO 053  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 07  
 TIME 2316

NO. DEPTHS 06  
 SOUNDING 0620  
 BT SLIDE NO 053

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.0	9	23.30					
1.0			22.73	0.01	0.9	286	9.10	0.032
5.0			19.60	0.01	0.9	299	9.13	0.040
10.0			7.85	0.01	1.0	310	9.43	0.029
50.0			4.05	0.03	0.3	316	12.21	0.056
60.0			4.04	0.01	1.5	314	12.26	

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.2			
1.0	0.005	0.020	0.015	0.130			420E01	720E01
5.0	0.007	0.013	0.015	0.065				
10.0	0.008	0.022	0.155	0.140			460E01	450E01
50.0	0.033	0.011	0.265	0.450			200E01	200E01
60.0							180E01	200E01

C-REF-NO 017  
 CONS. NO 054  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-47-00N  
 LON 077-54-00W

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 0009

NO. DEPTHS 01  
 SOUNDING 1020  
 BT SLIDE NO 054

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			23.70					

DEPTH	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					2.1			



C-REF-NO 017  
 CONS. NO 055  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 0041

NO. DEPTHS 01  
 SOUNDING 1260  
 BT SLIDE NO 055

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			23.70					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					2.3			

C-REF-NO 017  
 CONS. NO 056  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 077-54-00W

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 0129

NO. DEPTHS 06  
 SOUNDING 1550  
 BT SLIDE NO 056

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			23.40					
1.0			23.62	0.01	0.9	294	9.02	0.027
5.0			23.62	0.00	0.8	285	9.41	0.024
10.0			12.19	0.02	1.2	319	9.97	0.025
50.0			3.97	0.03	0.3	331	13.05	0.055
153.0			3.70	0.01	0.6	322	11.35	0.085

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					2.9			
1.0	0.008	0.018	0.010	0.105			100E02	
5.0	0.008	0.013	0.001	0.075				
10.0	0.008	0.022	0.020	0.080			600E01	
50.0	0.032	0.012	0.250	0.280			120E01	
153.0	0.038	0.012	0.280	1.800			400E00	

C-REF-NO 017  
 CONS. NO 057  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 0224

NO. DEPTHS 01  
 SOUNDING 1780  
 BT SLIDE NO 057

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			23.70					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.0			

C-REF-NO 017  
 CONS. NO 058  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-30-18N  
 LON 077-54-00W

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 0305

NO. DEPTHS 01  
 SOUNDING 1620  
 BT SLIDE NO 058

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			23.80					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.2			

C-REF-NO 017  
 CONS. NO 059  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 0400

NO. DEPTHS 06  
 SOUNDING 1140  
 BT SLIDE NO 059

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			23.80					
1.0			23.66	0.00	0.9	281	8.96	0.049
5.0			23.66	0.00	0.5	288	10.03	0.036
10.0			23.65	0.01	0.6	283	10.27	0.046
49.0			3.97	0.02	0.1	336	13.03	0.063
110.0			3.77	0.01	0.1	311	13.05	0.060

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.0			
1.0	0.005	0.030	0.030	0.125			720E01	
5.0	0.007	0.024	0.010	0.100				
10.0	0.006	0.023	0.005	0.090			270E01	
49.0	0.033	0.018	0.280	0.325			800E00	
110.0	0.036	0.017	0.280	0.450			100E00	

C-REF-NO 017  
 CONS. NO 060  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-22-00N  
 LON 077-54-00W

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 0456

NO. DEPTHS 04  
 SOUNDING 0190  
 BT SLIDE NO 060

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			23.50					
1.0			23.49	0.01	0.5	303	8.77	0.052
10.0			23.47	0.01	0.5	314	9.10	0.042
18.0			23.31	0.01	1.2	312	8.77	0.047

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.9			
1.0	0.010	0.035	0.015	0.150		310E02	220E01	140E01
10.0	0.009	0.031	0.005	0.125			350E01	230E01
18.0	0.010	0.036	0.005	0.130		120E02	440E01	200E01

C-REF-NO 017  
 CONS. NO 061  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 0634

NO. DEPTHS 05  
 SOUNDING 0160  
 BT SLIDE NO 061

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			23.40					
1.0			23.34	0.00	0.6	290	8.39	0.060
5.0			23.35	0.00	0.4	304	8.70	0.060
10.0			23.34	0.02	0.7	302	8.70	0.060
14.0			23.00	0.01	0.7	302	8.62	0.064

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					5.6			
1.0	0.012	0.043	0.015	0.130		400E02	480E01	290E01
5.0	0.012	0.037	0.015	0.105				
10.0	0.013	0.038	0.015	0.105			630E01	450E01
14.0	0.015	0.042	0.015	0.105		600E02	510E01	700E00

C-REF-NO 017  
 CONS. NO 062  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-16-30N  
 LON 077-27-30W

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 0728

NO. DEPTHS 05  
 SOUNDING 0160  
 BT SLIDE NO 062

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			23.50					
1.0			23.48	0.01	0.5	308	8.36	0.112
5.0			23.50	0.00	0.4	319	8.39	0.108
10.0			23.49	0.01	0.5	317	8.36	0.109
14.0			23.46	0.01	0.5	315	8.34	0.094

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					5.0			
1.0	0.030	0.190	0.015	0.160			250E04	100E04
5.0	0.031	0.150	0.015	0.130				
10.0	0.031	0.110	0.015	0.130			900E03	520E03
14.0	0.032	0.140	0.015	0.135			150E04	200E04

C-REF-NO 017  
 CONS. NO 063  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-20-48N  
 LON 077-30-12W

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 0822

NO. DEPTHS 06  
 SOUNDING 0760  
 BT SLIDE NO 063

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			23.40					
1.0			23.31	0.00	0.4	292	8.84	0.046
5.0			23.36	0.00	0.4	307	8.83	0.046
10.0			22.81	0.05	0.5	308	8.51	0.091
50.0			3.81	0.04	0.1	326	12.80	0.069
74.0			3.71	0.00	0.5	336	11.75	0.085

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.7			
1.0	0.010	0.027	0.005	0.060		000E00	460E01	580E01
5.0	0.010	0.024	0.005	0.060				
10.0	0.011	0.036	0.005	0.065			460E01	800E00
50.0	0.034	0.017	0.245	0.360			600E00	200E00
74.0	0.038	0.021	0.250	0.850		000E00	140E01	200E00

C-REF-NO 017  
 CONS. NO 064  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 0917

NO. DEPTHS 01  
 SOUNDING 1650  
 BT SLIDE NO 064

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			23.40					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.4			

C-REF-NO 017  
 CONS. NO 065  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 077-36-00W

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 1059

NO. DEPTHS 06  
 SOUNDING 1280  
 BT SLIDE NO 065

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	9	22.70					
1.0			22.70	0.01	0.5	290	8.55	0.040
5.0			22.71	0.01	0.6	301	8.54	0.046
25.0			4.49	0.02	0.3	329	12.68	0.038
50.0			4.07	0.00	0.1	311	13.05	0.053
126.0			3.79	0.01	0.6	336	12.25	0.075

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					2.6			
1.0	0.010	0.019	0.025	0.110				
5.0	0.010	0.021	0.030	0.090				
25.0	0.010	0.015	0.007	0.075				
50.0	0.032	0.012	0.275	0.255				
126.0	0.040	0.012	0.275	0.560				

C-REF-NO 017  
 CONS. NO 066  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 1241

NO. DEPTHS 01  
 SOUNDING 0450  
 BT SLIDE NO 066

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	11	20.30					

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.1			

C-REF-NO 017  
 CONS. NO 067  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 1327

NO. DEPTHS 05  
 SOUNDING 0250  
 BT SLIDE NO 067

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	10	17.20					
1.0			17.50	0.01	0.6	303	8.71	0.037
5.0			17.49	0.01	0.6	311	8.76	0.022
10.0			16.85	0.01	0.7	309	8.45	0.034
23.0			7.62	0.02	0.5	326	9.26	0.038

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.8			
1.0	0.004	0.020	0.043	0.160		000E00	370E01	130E01
5.0	0.004	0.025	0.025	0.135				
10.0	0.004	0.020	0.020	0.130			190E01	140E01
23.0	0.022	0.030	0.235	0.415		000E00	310E01	180E01

C-REF-NO 017  
 CONS. NO 068  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-54N  
 LON 077-32-00W

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 1403

NO. DEPTHS 01  
 SOUNDING 0480  
 BT SLIDE NO 068

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	10	20.50					

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.4			

C-REF-NO 017  
 CONS. NO 069  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 1523

NO. DEPTHS 05  
 SOUNDING 0280  
 BT SLIDE NO 069

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	11						
1.0			20.30	0.00	0.2	306	8.81	0.046
5.0			20.36	0.00	0.4	308	8.77	0.040
10.0			19.68	0.00	0.4	315	8.63	0.044
26.0			7.76	0.01	0.2	308	9.57	0.034

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0								
1.0	0.004	0.023	0.020	0.150		000E00	520E01	500E01
5.0	0.005	0.019	0.006	0.130				
10.0	0.005	0.020	0.010	0.130			420E01	250E01
26.0	0.008	0.023	0.237	0.345		000E00	230E01	120E01

C-REF-NO 017  
 CONS. NO 070  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 077-18-00W

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 1710

NO. DEPTHS 06  
 SOUNDING 1260  
 BT SLIDE NO 070

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.6	10	22.50					
1.0			22.42	0.02	0.9	300	8.65	0.054
5.0			22.42	0.01	1.0	317	9.02	0.046
10.0			22.33	0.00	0.7	318	9.04	0.041
49.0			4.07	0.01	0.1	323	13.36	0.053
122.0			3.74	0.02	0.4	335	11.43	0.047

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.1			
1.0	0.004	0.022	0.010	0.095			460E01	420E01
5.0	0.003	0.020	0.007	0.080				
10.0	0.003	0.022	0.008	0.080			620E01	850E01
49.0	0.020	0.022	0.282	0.245			340E01	200E01
122.0	0.019	0.023	0.255	0.245			680E01	200E01





C-REF-NO 017  
 CONS. NO 073  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 2017

NO. DEPTHS 05  
 SOUNDING 0460  
 BT SLIDE NO 073

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0	2.5	10	23.30					
1.0			23.14	0.01	0.6	313	8.67	0.066
10.0			23.10	0.00	0.5	313	8.64	0.055
25.0			22.72	0.01	0.4	315	8.33	0.073
44.0			4.17	0.01	0.7	337	11.72	0.093

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					2.9			
1.0	0.020	0.042	0.030	0.135		400E00	100E02	640E01
10.0	0.020	0.044	0.015	0.100			110E02	140E02
25.0	0.030	0.095	0.015	0.125				
44.0	0.050	0.090	0.298	0.435		440E01	290E02	110E02

C-REF-NO 017  
 CONS. NO 074  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-12N  
 LON 077-00-00W

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 2147

NO. DEPTHS 05  
 SOUNDING 0160  
 BT SLIDE NO 074

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0	2.0	10	23.20					
1.0			23.00	0.01	0.5	314	8.59	0.080
5.0			23.00	0.00	0.4	314	8.61	
10.0			22.99	0.00	0.5	314	8.73	0.075
14.0			23.00	0.01	0.5	313	8.59	0.075

DEPTH	SR PO4	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.4			
1.0	0.030	0.054	0.035	0.155		100E01	160E02	110E02
5.0							640E01	120E02
10.0	0.030	0.052	0.020	0.120			290E02	100E02
14.0	0.030	0.049	0.018	0.120		200E00		

C-REF-NO 017  
 CONS. NO 075  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-21-42N  
 LON 077-00-00W

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 2237

NO. DEPTHS 06  
 SOUNDING 0780  
 BT SLIDE NO 075

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	3.0	10	22.80					
1.0			22.73	0.00	0.4	315	8.95	0.048
5.0			22.75	0.01	0.5	316	8.90	0.060
10.0			22.61	0.01	0.4	318	8.89	0.041
49.0			4.13	0.01	0.1	337	12.74	0.023
75.0			3.78	0.02	2.5	337	11.57	0.084

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					2.8			
1.0	0.002	0.030	0.015	0.095		140E01	160E02	900E01
5.0	0.005	0.025	0.005	0.075				
10.0	0.010	0.029	0.005	0.075			100E02	120E02
49.0	0.018	0.028	0.235	0.210			400E01	160E01
75.0	0.052	0.021	0.275	0.410		000E00	240E02	180E01

C-REF-NO 017  
 CONS. NO 076  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 08  
 TIME 2319

NO. DEPTHS 01  
 SOUNDING 1930  
 BT SLIDE NO 076

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0	2.0	9	22.40					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.3			

C-REF-NO 017  
 CONS. NO 077  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-30-18N  
 LON 077-00-00W

YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 0022

NO. DEPTHS 06  
 SOUNDING 2200  
 BT SLIDE NO 077

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			22.70					
1.0			22.80	0.01	0.5	302	9.09	0.056
5.0			22.78	0.00	0.5	302	9.09	0.065
9.0			22.78	0.01	0.5	305	9.09	0.050
45.0			4.77	0.01	0.8	334	12.94	0.072
198.0			3.70	0.01	0.1	325	13.25	0.075

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.7			
1.0	0.010	0.033	0.012	0.095			900E01	920E01
5.0	0.011	0.030	0.007	0.080				
9.0	0.018	0.040	0.010	0.080			320E01	550E01
45.0	0.052	0.022	0.277	0.265			900E00	400E00
198.0	0.058	0.023	0.275	0.475			340E01	600E00

C-REF-NO 017  
 CONS. NO 078  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 0143

NO. DEPTHS 01  
 SOUNDING 1810  
 BT SLIDE NO 078

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			22.80					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.5			

C-REF-NO 017  
 CONS. NO 079  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 077-00-00W

YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 0246

NO. DEPTHS 06  
 SOUNDING 1460  
 BT SLIDE NO 079

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			22.90					
1.0			22.78	0.01	0.6	301	8.78	0.044
5.0			22.79	0.00	0.6	306	8.93	0.041
10.0			21.85	0.11	0.6	306	8.92	0.039
48.0			4.03	0.00	0.4	339	12.84	0.060
139.0			3.70	0.01	0.3	331	11.14	0.066

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.3			
1.0	0.008	0.025	0.012	0.085			190E01	180E01
5.0	0.008	0.024	0.005	0.085				
10.0	0.002	0.023	0.005	0.080			160E01	230E01
48.0	0.033	0.025	0.275	0.250			330E01	150E01
139.0	0.038	0.022	0.270	0.430			700E01	110E01

C-REF-NO 017  
 CONS. NO 080  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 0343

NO. DEPTHS 01  
 SOUNDING 0930  
 BT SLIDE NO 080

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			22.90					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.0			

C-REF-NO 017  
 CONS. NO 081  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-47-42N  
 LON 077-00-00W

YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 0441

NO. DEPTHS 06  
 SOUNDING 0570  
 BT SLIDE NO 081

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			20.00					
1.0			19.81	0.01	0.7	331	8.31	0.041
5.0			19.79	0.01	0.8	308	8.51	0.037
10.0			18.13	0.03	0.8	331	8.39	0.041
50.0			4.36	0.01	0.6	320	10.84	0.076
55.0			4.35	0.01	0.7	344	10.61	0.086

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.7		120E01	700E00
1.0	0.002	0.020	0.060	0.180				
5.0	0.002	0.020	0.043	0.155				
10.0	0.004	0.020	0.074	0.225			430E01	180E01
50.0	0.035	0.022	0.275	0.560			120E02	140E01
55.0	0.048	0.018	0.305	0.800			740E01	120E01

C-REF-NO 017  
 CONS. NO 082  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 0540

NO. DEPTHS 05  
 SOUNDING 0200  
 BT SLIDE NO 082

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			15.40					
1.0			14.70	0.02	0.6	338	8.18	0.056
5.0			14.45	0.03	0.5	327	8.03	0.060
10.0			11.82	0.01	0.4	319	7.84	0.060
18.0			7.99	0.00	0.3	312	8.57	0.074

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.5			
1.0	0.018	0.021	0.152	0.355		180E02	330E01	180E01
5.0	0.019	0.021	0.145	0.350				
10.0	0.026	0.020	0.182	0.435			430E01	140E01
18.0	0.038	0.021	0.235	0.560		800E00	690E01	160E01

C-REF-NO 017  
 CONS. NO 083  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 076-42-00W  
 YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 0715

NO. DEPTHS 05  
 SOUNDING 0420  
 BT SLIDE NO 083

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			21.20					
1.0			21.45	0.00	0.7	320	8.82	0.064
5.0			21.22	0.01	0.6	323	8.86	0.062
10.0			21.01	0.02	0.6	323	8.96	0.065
40.0			5.98	0.01	0.6	347	9.53	0.092

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.3			
1.0	0.010	0.039	0.025	0.130			480E01	320E01
5.0	0.010	0.041	0.015	0.120				
10.0	0.016	0.054	0.015	0.115			440E01	190E01
40.0	0.043	0.050	0.285	0.850			800E01	150E01

C-REF-NO 017  
 CONS. NO 084  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 076-42-00W  
 YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 0901

NO. DEPTHS 06  
 SOUNDING 1540  
 BT SLIDE NO 084

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T P04
0.0			22.30					
1.0			22.13	0.01	0.6	320	8.75	0.049
5.0			22.20	0.02	0.5	321	8.73	0.044
25.0			4.06	0.02	0.2	338	12.88	0.068
50.0			3.99	0.01	0.2	335	13.10	0.072
151.0			3.74	0.00	0.1	341	12.18	0.092

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.8			
1.0	0.008	0.038	0.022	0.110			400E01	240E01
5.0	0.008	0.021	0.007	0.090			770E01	300E01
25.0	0.039	0.016	0.252	0.300				
50.0	0.040	0.019	0.255	0.300			580E01	220E01
151.0	0.049	0.019	0.265	1.000			230E02	100E01

C-REF-NO 017  
 CONS. NO 085  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 1102

NO. DEPTHS 06  
 SOUNDING 0650  
 BT SLIDE NO 085

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	3.0	8	22.70					
1.0			22.52	0.01	0.5	316	8.88	0.062
10.0			22.52	0.02	0.4	318	8.73	0.051
20.0			22.35	0.01	0.4	317	8.56	0.055
50.0			5.66	0.01	0.4	303	13.23	0.045
63.0			4.01	0.01	0.2	329	13.77	0.043

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.6			
1.0	0.013	0.044	0.022	0.100				
10.0	0.013	0.037	0.005	0.075				
20.0	0.014	0.047	0.005	0.080				
50.0	0.016	0.025	0.193	0.275				
63.0	0.020	0.028	0.235	0.285				

C-REF-NO 017  
 CONS. NO 086  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-23-00N  
 LON 076-42-00W

YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 1145

NO. DEPTHS 04  
 SOUNDING 0180  
 BT SLIDE NO 086

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.5	10	23.20					
1.0			23.08	0.00				
10.0			23.09	0.01				
16.0			23.09	0.01				

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.0			
1.0						600E00	140E02	210E02
10.0							640E02	440E02
16.0						000E00	220E02	120E02

C-REF-NO 017  
 CONS. NO 087  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-28-36N  
 LON 076-32-06W

YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 1255

NO. DEPTHS 04  
 SOUNDING 0180  
 BT SLIDE NO 087

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	OZ W	T P04
0.0	3.0	10	23.00					
1.0			23.07	0.01	0.8	305	8.54	0.073
10.0			23.07	0.01	0.8	308	8.46	0.066
16.0			23.08	0.00	0.8	304	8.48	0.072

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.0			
1.0	0.016	0.048	0.025	0.125		180E01	340E01	100E02
10.0	0.017	0.046	0.017	0.120			120E02	150E02
16.0	0.016	0.045	0.017	0.120		200E00	760E01	660E01

C-REF-NO 017  
 CONS. NO 088  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 1400

NO. DEPTHS 06  
 SOUNDING 0620  
 BT SLIDE NO 088

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	OZ W	T P04
0.0	3.5	10	23.00					
1.0			22.99	0.01	0.9	302	8.81	0.072
5.0			23.00	0.01	0.6	301	8.95	0.064
10.0			22.85	0.02	0.5	302	8.71	0.059
49.0			4.66	0.01	2.0	327	13.38	0.073
58.0			4.33	0.01	1.9	323	10.75	0.096

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.9			
1.0	0.003	0.040	0.007	0.110		000E00	620E01	740E01
5.0	0.006	0.038	0.007	0.100				
10.0	0.010	0.046	0.007	0.105			640E01	460E01
49.0	0.031	0.022	0.267	0.425			560E01	420E01
58.0	0.037	0.024	0.275	0.585		000E00	440E01	620E01



C-REF-NO 017  
 CONS. NO 089  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 076-24-00W

YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 1447

NO. DEPTHS 01  
 SOUNDING 0980  
 BT SLIDE NO 089

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	4.0	6	23.00					

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.6			

C-REF-NO 017  
 CONS. NO 090  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-12N  
 LON 076-24-00W

YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 1530

NO. DEPTHS 05  
 SOUNDING 0520  
 BT SLIDE NO 090

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	3.0	7	23.10					
1.0			23.02	0.01	0.5	315	8.62	0.060
5.0			23.03	0.01	0.5	319	8.68	0.058
10.0			23.03	0.01	0.6	314	8.70	0.064
50.0			4.65	0.02	0.6	340	10.95	0.084

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.8			
1.0	0.003	0.027	0.005	0.095		250E02	540E01	600E01
5.0	0.003	0.028	0.005	0.090				
10.0	0.003	0.028	0.003	0.085			390E01	480E01
50.0	0.031	0.030	0.255	0.525		000E00	460E01	160E01

C-REF-NO 017  
 CONS. NO 091  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-47-42N  
 LON 076-24-00W  
 YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 1617

NO. DEPTHS 01  
 SOUNDING 0450  
 BT SLIDE NO 091

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	3.0	10	23.20					

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.3			

C-REF-NO 017  
 CONS. NO 092  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 076-24-00W  
 YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 1707

NO. DEPTHS 05  
 SOUNDING 0200  
 BT SLIDE NO 092

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	3.0	10	22.80					
1.0			22.55	0.01	0.5	301	8.65	0.070
5.0			22.56	0.00	0.5	312	8.63	0.074
10.0			22.49	0.01	0.4	320	8.63	0.078
18.0			18.92	0.01	0.6	328	8.18	0.075

DEPTH	SR P04	NH3	TFNO3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.6			
1.0	0.016	0.056	0.025	0.130		000E00	240E01	800E00
5.0	0.015	0.054	0.015	0.125				
10.0	0.016	0.053	0.015	0.125			580E01	510E01
18.0	0.023	0.053	0.070	0.210		000E00	420E01	440E01

C-REF-NO 017  
 CONS. NO 093  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 1830

NO. DEPTHS 04  
 SOUNDING 0220  
 BT SLIDE NO 093

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0			23.50					
1.0			23.27	0.01	1.0	317	8.50	
10.0			23.32	0.00	0.4	320	8.51	
19.0			22.35	0.00	0.6	309	8.39	

DEPTH	SR PO4	NH3	TFND3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					6.5			
1.0						000E00	160E01	320E01
10.0							960E01	100E02
19.0						000E00	380E01	210E01

C-REF-NO 017  
 CONS. NO 094  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 2032

NO. DEPTHS 05  
 SOUNDING 0280  
 BT SLIDE NO 094

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	O2 W	T PO4
0.0	2.1	9	22.30					
1.0			22.47	0.01	0.4	324	8.92	0.070
5.0			22.49	0.00	0.5	322	8.93	0.065
10.0			21.57	0.01	0.4	325	8.90	0.062
26.0			15.10	0.02	0.4	342	7.90	0.068

DEPTH	SR PO4	NH3	TFND3	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					3.3			
1.0	0.010	0.041	0.025	0.145		110E02	580E01	250E01
5.0	0.010	0.028	0.010	0.125			130E01	120E01
10.0	0.010	0.028	0.010	0.125				
26.0	0.020	0.064	0.100	0.190		000E00	350E01	200E01

C-REF-NO 017  
 CONS. NO 095  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 09  
 TIME 2203

NO. DEPTHS 05  
 SOUNDING 0170  
 BT SLIDE NO 095

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0	2.1	10	22.90					
1.0			22.96	0.01		320	8.68	0.068
5.0			22.97	0.01		322	8.68	0.064
10.0			22.94	0.02		322	8.68	0.064
15.0			22.88	0.01		323	8.59	0.063

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.7			
1.0	0.010	0.031	0.020	0.170		000E00	340E01	220E01
5.0	0.010	0.027	0.010	0.165				
10.0	0.010	0.026	0.013	0.170			160E01	200E00
15.0	0.010	0.026	0.005	0.160		300E01	420E01	400E01

C-REF-NO 017  
 CONS. NO 096  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 08  
 DAY 10  
 TIME 0031

NO. DEPTHS 05  
 SOUNDING 0300  
 BT SLIDE NO 096

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	02 W	T P04
0.0			22.10					
1.0			22.32	0.01		316	8.79	0.058
5.0			22.32	0.00		317	8.79	0.052
10.0			13.56	0.01		318	7.24	0.050
28.0			8.07	0.00		338	7.78	0.090

DEPTH	SR P04	NH3	TFN03	R SIO2	CHLORA	MF COL	SPC 20	SPC 35
0.0					4.2			
1.0	0.008	0.024	0.022	0.150		000E00	260E01	140E01
5.0	0.004	0.024	0.012	0.140				
10.0	0.011	0.024	0.165	0.275			210E01	660E01
28.0	0.033	0.021	0.260	0.650		200E00	100E02	400E01

**CRUISE 69 - 025, September 4 - 10**

C-REF-NO 025  
 CONS. NO 001  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-19-12N  
 LON 079-42-00W  
 YEAR 1969  
 MONTH 09  
 DAY 04  
 TIME 1702

NO. DEPTHS 06  
 SOUNDING 0410  
 BT SLIDE NO 001

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0	2.0	10	20.10					
1.0			19.49	0.006	1.8	320	90.1	10.92
5.0			19.03	0.009	2.2	325	90.4	11.20
10.0			15.75	0.004	2.0	331	92.6	11.00
20.0			8.69	0.000	1.5	333	95.5	9.92
39.0			6.17	0.011	1.4	343	96.4	9.78

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						7.5		
1.0	0.093	0.007	0.055	0.040	0.125		270E01	560E02
5.0	0.165	0.007	0.036	0.020	0.100			
10.0	0.140	0.008	0.046	0.110	0.120		640E01	520E02
20.0	0.047	0.011	0.038	0.175	0.210			
39.0	0.048	0.027	0.038	0.230	0.380		400E02	470E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	216	0.000	0.000	0.000		0.060	0.008	0.002
5.0								
10.0	219							
20.0								
39.0	94	0.000	0.002	0.000	0.025	0.019	0.003	0.001

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.002	0.001	0.190	0.000	0.050
5.0					
10.0					
20.0					
39.0	0.001	0.001	0.190	0.000	0.031

C-REF-NO 025
CONS. NO 002
COUNTRY 18
INSTITUTE 22

LAT 43-17-18N  
LON 079-39-06W

YEAR 1969  
MONTH 09  
DAY 04  
TIME 1818

NO. DEPTHS 03  
SOUNDING 0360  
BT SLIDE NO 003

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	2.0	10	18.50					
1.0			18.91	0.001				
34.0			5.67	0.007				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						7.1		
1.0								
34.0								

DEPTH	BACBIO
0.0	
1.0	
34.0	

C-REF-NO 025  
 CONS. NO 003  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-14-12N  
 LON 079-34-12W

YEAR 1969  
 MONTH 09  
 DAY 04  
 TIME 1916

NO. DEPTHS 05  
 SOUNDING 0180  
 BT SLIDE NO 005

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	2.0	10	19.50					
1.0			19.42	0.012	1.6	320	89.8	11.18
5.0			19.04	0.015	1.9	326	92.0	11.33
10.0			13.90	0.002	1.6	336	94.6	10.47
16.0			11.79	0.018	1.0	334	95.5	10.22

DEPTH	T P04	SR P04	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT
0.0						11.2		
1.0	0.110	0.011	0.046	0.040	0.080		200E01	
5.0	0.105	0.013	0.035	0.135	0.060			
10.0	0.112	0.008	0.035	0.040	0.030		600E01	900E02
16.0	0.095	0.010	0.041	0.650	0.075		970E01	470E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	172	0.000	0.000	0.000	0.002	0.004	0.001	0.000
5.0								
10.0	354							
16.0	367	0.000	0.001	0.000	0.002	0.005	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.004	0.190	0.000	0.004
5.0					
10.0					
16.0	0.002	0.008	0.190	0.000	0.009



C-REF-NO 025
CONS. NO 004

COUNTRY 18  
INSTITUTE 22

LAT 43-17-18N  
LON 079-33-42W

YEAR 1969  
MONTH 09  
DAY 04  
TIME 2002

NO. DEPTHS 03  
SOUNDING 0640  
BT SLIDE NO 006

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	2.0	10	20.00					
1.0			19.90	0.010				
62.0			4.44	0.004				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						2.9		
1.0								
62.0								

DEPTH	BACBIO
0.0	
1.0	
62.0	

C-REF-NO 025  
 CONS. NO 005  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-22-00N  
 LON 079-33-00W

YEAR 1969  
 MONTH 09  
 DAY 04  
 TIME 2102

NO. DEPTHS 07  
 SOUNDING 0810  
 BT SLIDE NO 008

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0	2.5	10	20.00					
1.0			19.84	0.033	0.8	326	91.2	10.73
5.0			19.82	0.001	0.8	328	91.0	10.73
24.0			5.55	0.010	0.3	339	94.6	10.53
47.0			4.80		0.4	338	95.2	10.88
50.0								
74.0			4.18					

DEPTH	T P04	SR P04	NH3	TFNO3	R SI02	CHLORA	SPC 20	MF20FT
0.0						3.2		
1.0	0.350	0.006	0.044	0.130	0.065		330E01	300E02
5.0	0.300	0.006	0.028	0.030	0.050		230E01	800E01
24.0	0.043	0.018	0.020	0.315	0.330			
47.0	0.040	0.022	0.021	0.330	0.375		380E01	180E02
50.0								
74.0							820E01	190E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	282	0.000	0.002	0.000	0.001	0.003	0.000	0.000
5.0	277							
24.0								
47.0	62							
50.0		0.000	0.002	0.000	0.003	0.002	0.000	0.000
74.0	58							

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.002	0.190	0.000	0.009
5.0					
24.0					
47.0					
50.0	0.001	0.002	0.200	0.000	0.013
74.0					

C-REF-NO 025
CONS. NO 006
COUNTRY 18
INSTITUTE 22

LAT 43-25-54N  
LON 079-34-36W

YEAR 1969  
MONTH 09  
DAY 04  
TIME 2206

NO. DEPTHS 03  
SOUNDING 0610  
BT SLIDE NO 009

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	2.0	10	19.40					
1.0			19.20	0.007				
60.0			4.55	0.020				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						12.3		
1.0								
60.0								

DEPTH	BACBIO
0.0	
1.0	
60.0	

C-REF-NO 025
CONS. NO 007

COUNTRY 18  
INSTITUTE 22

LAT 43-29-00N  
LON 079-35-48W

YEAR 1969  
MONTH 09  
DAY 04  
TIME 2251

NO. DEPTHS 06  
SOUNDING 0190  
BT SLIDE NO 011

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	2.5	10	19.90					
1.0			19.76	0.000	2.5	330	94.6	11.01
5.0			19.77	0.013	1.7	313	92.8	11.11
10.0			19.51	0.000	2.4	334	92.6	10.87
15.0							94.6	
17.0			16.55	0.004	1.8	334		10.18

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						8.8		
1.0	0.145	0.008	0.045	0.170	0.075			400E03
5.0	0.140	0.008	0.025	0.015	0.060			
10.0	0.120	0.010	0.025	0.025	0.065			110E04
15.0	0.110	0.021	0.049	0.070	0.120			
17.0								720E03

DEPTH	BACBIO	CD F	CR F	CU F	CU F	FE F	PB F	MN F
0.0								
1.0	146	0.000	0.001	0.000	0.002	0.004	0.001	0.000
5.0								
10.0	164							
15.0		0.000	0.001	0.000	0.002	0.004	0.000	0.000
17.0	172							

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.003	0.185	0.000	0.004
5.0					
10.0					
15.0	0.001	0.003	0.190	0.000	0.003
17.0					

C-REF-NO 025
CONS. NO 008

COUNTRY 18  
INSTITUTE 22

LAT 43-33-06N  
LON 079-31-36W

YEAR 1969  
MONTH 09  
DAY 04  
TIME 2350

NO. DEPTHS 03  
SOUNDING 0220  
BT SLIDE NO 012

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			20.50					
1.0			20.39	0.005				
21.0			13.02	0.010				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						5.3		
1.0								
21.0								

DEPTH	BACBIO
0.0	
1.0	
21.0	

C-REF-NO 025  
 CONS. NO 009  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-37-12N  
 LON 079-27-18W

YEAR 1969  
 MONTH 09  
 DAY 05  
 TIME 0048

NO. DEPTHS 05  
 SOUNDING 0200  
 BT SLIDE NO 014

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			19.40					
1.0			19.28	0.010	2.3	327	93.4	10.54
5.0			19.28	0.014	2.5	329	94.2	10.54
10.0			19.28	0.002	2.7	331	90.7	10.93
18.0			18.70	0.018	2.5	332	89.6	11.02

DEPTH	T PQ4	SR PD4	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT
0.0						9.5		
1.0	0.200	0.030	0.060	0.025	0.145			110E04
5.0	0.220	0.028	0.056	0.010	0.125			
10.0	0.190	0.030	0.065	0.030	0.125			100E04
18.0	0.150	0.029	0.057	0.010	0.135			240E04

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	141	0.000	0.001	0.000	0.007	0.008	0.001	0.001
5.0								
10.0	176							
18.0	173	0.000	0.002	0.000	0.004	0.005	0.001	0.001

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.004	0.190	0.000	0.022
5.0					
10.0					
18.0	0.002	0.003	0.190	0.000	0.022

C-REF-NO 025
CONS. NO 010
COUNTRY 18
INSTITUTE 22

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

YEAR 1969  
MONTH 09  
DAY 05  
TIME 0158

NO. DEPTHS 06  
SOUNDING 0650  
BT SLIDE NO 016

DEPTH	SECOMI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			21.40					
1.0			21.22	0.019	1.3	321	93.3	9.81
5.0			21.22	0.009	1.3	324	92.8	9.81
25.0			14.00	0.045	1.5	333	91.7	9.17
49.0			4.96	0.110	0.5	335	94.8	11.01
62.0			4.44	0.030	2.8	337		11.29

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						5.1		
1.0	0.080	0.007	0.037	0.010	0.080		420E01	600E02
5.0	0.050	0.007	0.043	0.020	0.080		250E01	280E02
25.0	0.045	0.007	0.053	0.085	0.200			
49.0	0.042	0.014	0.032	0.270	0.410		290E01	380E02
62.0							350E01	350E02

DEPTH	BACBIO
0.0	
1.0	181
5.0	175
25.0	
49.0	101
62.0	88

C-REF-NO 025  
 CONS. NO 011  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-30-00N  
 LON 079-23-54W

YEAR 1969  
 MONTH 09  
 DAY 05  
 TIME 0423

NO. DEPTHS 06  
 SOUNDING 0980  
 BT SLIDE NO 017

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			20.40					
1.0			20.23	0.001	2.0	324	88.2	10.29
5.0			20.22	0.006	2.0	323	88.9	10.31
10.0			16.51	0.007	1.8	332	94.6	11.15
50.0			4.12	0.003	0.2	339	94.0	11.51
96.0			3.96	0.009	1.6	339	96.4	11.81

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						6.4		
1.0	0.070	0.005	0.041	0.030	0.055		810E01	170E02
5.0	0.085	0.005	0.044	0.025	0.050			
10.0	0.080	0.010	0.030	0.010	0.030		600E01	330E02
50.0	0.055	0.036	0.017	0.280	0.490		150E01	140E02
96.0	0.050	0.041	0.020	0.310	0.550			

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	319	0.000	0.001	0.000	0.003	0.009	0.001	0.004
5.0								
10.0	186							
50.0	26	0.000	0.000	0.000	0.004	0.001	0.000	0.000
96.0		0.000	0.001	0.000	0.004	0.005	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.002	0.185	0.000	0.003
5.0					
10.0					
50.0	0.001	0.002	0.190	0.000	0.005
96.0	0.001	0.002	0.190	0.000	0.004



C-REF-NO 025
CONS. NO 012

COUNTRY 18  
INSTITUTE 22

LAT 43-25-54N  
LON 079-24-00W

YEAR 1969  
MONTH 09  
DAY 05  
TIME 0542

NO. DEPTHS 03  
SOUNDING 1100  
BT SLIDE NO 019

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			21.00					
1.0			18.32	0.094				
108.0			5.37	0.116				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						5.3		
1.0								
108.0								

DEPTH	BACBIO
0.0	
1.0	
108.0	

C-REF-NO 025  
 CONS. NO 013  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-21-24N  
 LON 079-24-00W

YEAR 1969  
 MONTH 09  
 DAY 05  
 TIME 0644

NO. DEPTHS 06  
 SOUNDING 0980  
 BT SLIDE NO 021

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			18.60					
1.0			18.50	0.006	0.6	331	92.3	9.49
5.0			16.55	0.131	1.0	333	91.2	9.40
10.0			8.43	0.002	1.1	339	95.5	9.51
50.0			3.98	0.006	0.4	338	95.8	12.59
96.0			3.80	0.003	1.5	338	98.0	10.65

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT
0.0						4.0		
1.0	0.054	0.010	0.050	0.060	0.160		530E01	260E03
5.0	0.047	0.010	0.041	0.035	0.115			
10.0	0.045	0.010	0.041	0.110	0.185		350E01	180E03
50.0	0.070	0.036	0.015	0.275	0.360		100E01	260E02
96.0	0.120	0.056	0.021	0.335	1.400		390E01	440E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	131	0.000	0.001	0.000	0.004	0.002	0.000	0.002
5.0								
10.0	80							
50.0	35	0.000	0.001	0.000	0.006	0.002	0.000	0.000
96.0	79	0.000	0.001	0.000	0.006	0.003	0.000	0.001

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.002	0.185	0.000	0.003
5.0					
10.0					
50.0	0.001	0.002	0.185	0.000	0.011
96.0	0.001	0.003	0.185	0.000	0.012

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

LAT 43-17-18N  
 LON 079-24-00W

YEAR 1969  
 MONTH 09  
 DAY 05  
 TIME 0750

NO. DEPTHS 03  
 SOUNDING 0760  
 BT SLIDE NO 022

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			17.40					
1.0			16.86	0.014				
74.0			4.02	0.003				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						5.5		
1.0								
74.0								

DEPTH	BACBIO
0.0	
1.0	
74.0	

C-REF-NO 025  
 CONS. NO 015  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 05  
 TIME 0840

NO. DEPTHS 04  
 SOUNDING 0130  
 BT SLIDE NO 024

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			18.20					
1.0			17.87	0.009	1.9	330	89.4	11.10
5.0			17.54	0.016	1.7	330	93.7	11.32
11.0			12.98	0.000	1.7	339	91.4	10.53

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						17.3		
1.0	0.100	0.010	0.049	0.060	0.080		420E01	550E02
5.0	0.110	0.010	0.044	0.065	0.075			
11.0	0.110	0.008	0.047	0.100	0.085		100E02	150E03

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	221	0.000	0.002	0.000	0.003	0.003	0.000	0.000
5.0								
11.0	296	0.000	0.000	0.000	0.003	0.002	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.002	0.185	0.000	0.004
5.0					
11.0	0.001	0.002	0.190	0.000	0.003

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

LAT 43-15-06N  
 LON 079-15-00W

YEAR 1969  
 MONTH 09  
 DAY 05  
 TIME 0945

NO. DEPTHS 05  
 SOUNDING 0230  
 BT SLIDE NO 026

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			15.80					
1.0			14.90	0.006				
5.0			10.29	0.033				
10.0			6.43	0.000				
21.0			6.41	0.003				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						11.9		
1.0							940E02	870E03
5.0								
10.0							170E02	120E03
21.0							110E02	800E02

DEPTH	BACBIO
0.0	
1.0	251
5.0	
10.0	127
21.0	126

C-REF-NO 025  
 CONS. NO 017  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-18N  
 LON 079-15-00W

YEAR 1969  
 MONTH 09  
 DAY 05  
 TIME 1030

NO. DEPTHS 03  
 SOUNDING 0770  
 BT SLIDE NO 027

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			14.90					
1.0			14.60	0.007				
76.0			4.22	0.008				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						8.8		
1.0								
76.0								

DEPTH	BACBIO
0.0	
1.0	
76.0	

C-REF-NO 025  
 CONS. NO 018  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-21-24N  
 LON 079-15-00W

YEAR 1969  
 MONTH 09  
 DAY 05  
 TIME 1117

NO. DEPTHS 03  
 SOUNDING 1010  
 BT SLIDE NO 028

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	14.30					
1.0			14.90	0.015				
99.0			3.81	0.004				

DEPTH	T P04	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT
0.0						4.0		
1.0								
99.0								

DEPTH	BACBIO
0.0	
1.0	
99.0	

C-REF-NO 025  
 CONS. NO 019  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-25-54N  
 LON 079-15-00W

YEAR 1969  
 MONTH 09  
 DAY 05  
 TIME 1215

NO. DEPTHS 05  
 SOUNDING 1210  
 BT SLIDE NO 030

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	19.50					
1.0			19.08	0.005				
10.0			6.78	0.007				
50.0			3.95	0.007				
119.0			3.74	0.002				

DEPTH	T P04	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT
0.0						2.5		
1.0							240E02	270E03
10.0							320E01	550E02
50.0							230E01	240E02
119.0							570E01	290E02

DEPTH	BACBIO
0.0	
1.0	88
10.0	71
50.0	88
119.0	62

C-REF-NO 025  
 CONS. NO 020  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-30-18N  
 LON 079-15-00W

YEAR 1969  
 MONTH 09  
 DAY 05  
 TIME 1314

NO. DEPTHS 01  
 SOUNDING 1210  
 BT SLIDE NO 031

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.5	10	20.90					

DEPTH	T P04	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						7.1		

DEPTH	BACBIO
0.0	

C-REF-NO 025  
 CONS. NO 021  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-34-54N  
 LON 079-15-00W

YEAR 1969  
 MONTH 09  
 DAY 05  
 TIME 1405

NO. DEPTHS 01  
 SOUNDING 1050  
 BT SLIDE NO 032

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	21.20					

DEPTH	T P04	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						4.2		

DEPTH	BACBIO
0.0	

C-REF-NO 025
CONS. NO 022
COUNTRY 18
INSTITUTE 22

LAT 43-36-24N  
LON 079-21-00W

YEAR 1969  
MONTH 09  
DAY 05  
TIME 1709

NO. DEPTHS 06  
SOUNDING 0450  
BT SLIDE NO 034

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0	2.0	10	20.80					
1.0			20.52	0.000	2.3	320	87.6	10.10
5.0			20.46	0.000	2.2	321	87.9	10.13
10.0			20.18	0.012	2.5	322	86.7	9.92
25.0			11.93	0.007	0.5	336	91.9	9.01
43.0			7.33	0.006	0.6	339	92.0	9.62

DEPTH	T PG4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						4.7		
1.0	0.080	0.006	0.043	0.050	0.155		470E01	210E02
5.0	0.060	0.010	0.046	0.060	0.150			
10.0	0.063	0.005	0.028	0.010	0.145		170E03	600E03
25.0	0.037	0.010	0.040	0.120	0.290			
43.0	0.037	0.012	0.038	0.225	0.350		900E01	330E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	147	0.000	0.000	0.000	0.001	0.002	0.001	0.000
5.0								
10.0	148							
25.0								
43.0	58	0.000	0.000	0.000	0.003	0.004	0.000	0.001

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.004	0.190	0.000	0.010
5.0					
10.0					
25.0					
43.0	0.001	0.002	0.190	0.000	0.005

C-REF-NO 025  
 CONS. NO 023  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-38-54N  
 LON 079-18-00W

YEAR 1969  
 MONTH 09  
 DAY 05  
 TIME 1806

NO. DEPTHS 03  
 SOUNDING 0130  
 BT SLIDE NO 035

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	2.5	9	21.00					
1.0			20.89	0.003				
11.0			20.48	0.006				

DEPTH	T PQ4	SR PQ4	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT
0.0						5.5		
1.0								
11.0								

DEPTH	BACBIO
0.0	
1.0	
11.0	

C-REF-NO 025  
 CONS. NO 024  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-30N  
 LON 079-15-00W

YEAR 1969  
 MONTH 09  
 DAY 05  
 TIME 1841

NO. DEPTHS 03  
 SOUNDING 0200  
 BT SLIDE NO 036

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	2.0	10	20.70					
1.0			20.97	0.008				
18.0			17.34	0.011				

DEPTH	T PQ4	SR PQ4	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT
0.0						5.3		
1.0								
18.0								

DEPTH	BACBIO
0.0	
1.0	
18.0	



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

LAT 43-42-18N  
 LON 079-12-48W

YEAR 1969  
 MONTH 09  
 DAY 05  
 TIME 1921

NO. DEPTHS 05  
 SOUNDING 0150  
 BT SLIDE NO 038

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0	2.0	10	21.20					
1.0			20.94	0.000	2.1	320	86.0	10.24
5.0			20.80	0.005	1.9	319	87.0	10.23
10.0			20.76	0.002	2.2	320	86.7	10.07
13.0			20.61	0.002	2.2	318	87.9	9.88

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						5.5		
1.0	0.085	0.006	0.035	0.050	0.400		210E01	110E02
5.0		0.130	0.025	0.030	0.190			
10.0	0.047	0.005	0.020	0.015	0.130		170E01	250E02
13.0	0.090	0.005	0.020	0.015	0.135		200E01	230E03

DEPTH	BACBLO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	364	0.000	0.000	0.000	0.004	0.001	0.001	0.000
5.0								
10.0	140							
13.0	116	0.000	0.000	0.000	0.002	0.001	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.000	0.002	0.170	0.000	0.001
5.0					
10.0					
13.0	0.000	0.002	0.175	0.000	0.000

C-REF-NO 025  
 CONS. NO 026  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-47-24N  
 LON 079-05-42W

YEAR 1969  
 MONTH 09  
 DAY 05  
 TIME 2038

NO. DEPTHS 04  
 SOUNDING 0180  
 BT SLIDE NO 040

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	2.0	11	21.00					
1.0			20.90	0.016	1.6	319	86.2	10.12
10.0			20.88	0.009	1.8	319	87.2	10.09
16.0			20.68	0.155	1.9	319	87.9	9.79

DEPTH	T PQ4	SR PQ4	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT
0.0						7.1		
1.0	0.105	0.005	0.020	0.020	0.130		450E01	120E02
10.0	0.072	0.005	0.020	0.010	0.135		900E00	150E02
16.0	0.075	0.010	0.024	0.015	0.140		180E01	120E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	136	0.000	0.000	0.004		0.012	0.002	0.002
10.0	144							
16.0	207	0.001	0.000	0.000	0.015	0.003	0.002	0.001

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.002	0.190	0.000	0.028
10.0					
16.0	0.001	0.002	0.190	0.000	0.010

C-REF-NO 025  
 CONS. NO 027  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 079-06-00W

YEAR 1969  
 MONTH 09  
 DAY 05  
 TIME 2207

NO. DEPTHS 06  
 SOUNDING 1090  
 BT SLIDE NO 042

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0	3.0	10	22.30					
1.0			21.92	0.020	0.7	322	91.7	9.25
5.0			21.62	0.000	0.7	323	91.4	9.41
10.0			19.89	0.002	1.0	325	91.7	9.50
50.0			3.99	0.004	0.1	333	91.7	12.55
107.0			3.78	0.018	1.0	339	94.1	10.71

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SI02	CHLORA	SPC 20	MF20FT
0.0						5.5		
1.0	0.060	0.006	0.020	0.010	0.110		520E01	580E02
5.0	0.060	0.007	0.023	0.010	0.110			
10.0	0.060	0.007	0.020	0.005	0.115		650E01	310E02
50.0	0.045	0.022	0.018	0.260	0.385		150E01	260E02
107.0	0.110	0.058	0.015	0.290	1.400		320E01	300E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	263	0.000	0.000	0.004		0.006	0.000	0.001
5.0								
10.0	260							
50.0	91	0.000	0.001	0.002		0.005	0.000	0.000
107.0	96	0.000	0.000	0.000	0.004	0.006	0.000	0.001

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.000	0.000	0.185	0.000	0.010
5.0					
10.0					
50.0	0.001	0.001	0.185	0.000	0.011
107.0	0.001	0.003	0.190	0.000	0.005

C-REF-NO 025  
 CONS. NO 028  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 06  
 TIME 0022

NO. DEPTHS 06  
 SOUNDING 1210  
 BT SLIDE NO 044

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			22.20					
1.0			22.03	0.009	1.8	322	89.8	9.61
5.0			22.02	0.006	1.1	324	89.6	9.67
10.0			21.39	0.003	0.8	324	90.7	9.04
50.0			3.92	0.000	0.2	337	92.8	13.48
119.0			3.77	0.006	0.4	343	91.3	11.33

DEPTH	T PQ4	SR PO4	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT
0.0						5.3		
1.0	0.048	0.005	0.017	0.010	0.090		800E01	
5.0	0.045	0.006	0.020	0.010	0.090			
10.0	0.048	0.014	0.035	0.030	0.145		120E01	
50.0	0.065	0.039	0.012	0.240	0.410		500E00	
119.0	0.055	0.040	0.013	0.250	0.400		100E01	

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	112	0.000	0.000	0.000	0.001	0.005	0.000	0.001
5.0								
10.0	152							
50.0	36	0.000	0.000	0.000	0.003	0.015	0.000	0.000
119.0	49	0.000	0.002	0.000	0.001	0.004	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.002	0.180	0.000	0.011
5.0					
10.0					
50.0	0.001	0.002	0.185	0.000	0.005
119.0	0.001	0.002	0.180	0.000	0.004

C-REF-NO 025
CONS. NO 029
COUNTRY 18
INSTITUTE 22

LAT 43-16-12N  
LON 079-08-48W

YEAR 1969  
MONTH 09  
DAY 06  
TIME 0221

NO. DEPTHS 04  
SOUNDING 0120  
BT SLIDE NO 046

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			17.20					
1.0			17.55	0.022	1.8	331	91.2	11.44
5.0			17.85	0.026	2.4	321	88.9	11.66
10.0			15.94	0.005	1.2	323	90.7	10.81

DEPTH	T P04	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						16.7		
1.0	0.095	0.006	0.023	0.035	0.100		130E03	530E03
5.0	0.080	0.007	0.032	0.045	0.095		620E02	
10.0	0.078	0.006	0.022	0.060	0.130		300E03	100E04

DEPTH	BACBIO
0.0	
1.0	
5.0	255
10.0	257

C-REF-NO 025  
 CONS. NO 030  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-17-42N  
 LON 079-06-30W

YEAR 1969  
 MONTH 09  
 DAY 06  
 TIME 0300

NO. DEPTHS 04  
 SOUNDING 0100  
 BT SLIDE NO 048

DEPTH	SECCMI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			17.80					
1.0			17.57	0.031	1.0	329	91.2	10.93
5.0			17.34	0.005	1.1	327	91.1	11.01
8.0			14.71	0.008	2.2	331	91.4	10.70

DEPTH	T PO4	SR PO4	NH3	TFN03	R SID2	CHLORA	SPC 20	MF20FT
0.0						18.6		
1.0	0.115	0.005	0.018	0.020	0.095		210E03	
5.0	0.100	0.005	0.026	0.050	0.115		800E01	
8.0	0.095	0.008	0.033	0.020	0.095		140E03	

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	200	0.000	0.001	0.000	0.003	0.004	0.000	0.000
5.0	220							
8.0	260	0.000	0.002		0.001	0.010	0.000	0.001

DEPTH	MO #	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.002	0.180	0.000	0.011
5.0					
8.0	0.001	0.003	0.190	0.000	0.007

C-REF-NO 025  
 CONS. NO 031  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-18-12N  
 LON 079-02-24W

YEAR 1969  
 MONTH 09  
 DAY 06  
 TIME 0351

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO 050

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			21.50					
1.0			21.36	0.008	1.0	325	92.0	10.64
5.0			21.40	0.002	1.1	326	93.1	9.04
9.0			20.05	0.008	1.1	327	93.1	9.13

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						2.3		
1.0	0.062	0.015	0.038	0.050	0.200		750E02	
5.0	0.063	0.016	0.040	0.040	0.205		120E03	
9.0	0.055	0.012	0.030	0.055	0.190		240E03	

DEPTH	BACBIO
0.0	
1.0	119
5.0	119
9.0	132

C-REF-NO 025  
 CONS. NO 032  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 06  
 TIME 0523

NO. DEPTHS 05  
 SOUNDING 0510  
 BT SLIDE NO 052

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0			14.30					
1.0			10.96	0.027	0.3	333	92.3	10.32
5.0			12.28	0.003	0.2	330	93.1	10.10
10.0			6.20	0.023	0.3	335	94.0	11.06
48.0			5.46	0.155	0.2	338	94.3	11.35

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						4.7		
1.0	0.047	0.004	0.021	0.120	0.105		100E01	550E02
5.0	0.050	0.011	0.029	0.200	0.150			
10.0	0.035	0.012	0.015	0.270	0.175		500E00	340E02
48.0	0.094	0.042	0.016	0.320	0.580		100E00	400E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	63	0.000	0.001	0.000	0.011	0.010	0.000	0.000
5.0								
10.0	52							
48.0	41	0.000	0.001	0.000	0.010	0.014	0.000	0.001

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.000	0.002	0.180	0.000	0.005
5.0					
10.0					
48.0	0.001	0.002	0.180	0.000	0.009



C-REF-NO 025  
 CONS. NO 033  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 06  
 TIME 0638

NO. DEPTHS 06  
 SOUNDING 1250  
 BT SLIDE NO 054

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			21.10					
1.0			21.05	0.030	0.4	322	90.7	9.07
5.0			17.74	0.002	1.4	327	93.1	8.99
10.0			8.52		0.4	336	94.3	9.79
50.0			3.93	0.003	0.1	334	94.3	12.72
123.0			3.81	0.001	0.3	344	97.7	9.23

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						3.8		
1.0	0.045	0.004	0.025	0.025	0.060		160E01	500E02
5.0	0.078	0.005	0.023	0.090	0.120			
10.0	0.040	0.005	0.016	0.180	0.120		300E00	110E02
50.0	0.070	0.032	0.016	0.270	0.300		100E00	500E01
123.0	0.114	0.060	0.012	0.330	1.600		600E00	300E02

DEPTH	BACBIO
0.0	
1.0	85
5.0	
10.0	45
50.0	33
123.0	53

C-REF-NO 025  
 CONS. NO 034  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-30-18N  
 LON 078-48-00W

YEAR 1969  
 MONTH 09  
 DAY 06  
 TIME 0740

NO. DEPTHS 03  
 SOUNDING 1400  
 BT SLIDE NO 055

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			22.00					
1.0			21.96	0.003				
138.0			3.69	0.007				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						4.7		
1.0								
138.0								

DEPTH	BACBIO
0.0	
1.0	
138.0	

C-REF-NO 025  
 CONS. NO 035  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 06  
 TIME 0851

NO. DEPTHS 07  
 SOUNDING 1480  
 BT SLIDE NO 057

DEPTH	SECOHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			22.10					
1.0			21.89	0.004	0.5	322	93.4	9.23
5.0			21.80	0.008	0.7	322	92.3	9.26
10.0			21.84	0.007	0.6	323	92.6	9.23
50.0			3.98	0.026	0.3	333	93.4	12.70
100.0			3.85	0.014	0.1	335	95.0	12.86
140.0			3.76	0.007	1.0	338	94.0	12.11

DEPTH	T PQ4	SR PQ4	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT
0.0						6.4		
1.0	0.051	0.005	0.023	0.020	0.050		290E01	180E02
5.0	0.046	0.004	0.035	0.010	0.050			
10.0	0.049	0.003	0.019	0.002	0.040		340E01	220E02
50.0	0.079	0.032	0.014	0.270	0.320		600E00	800E01
100.0	0.069	0.035	0.018	0.260	0.350			
140.0	0.078	0.038	0.018	0.270	0.600		230E01	180E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	71	0.000	0.000	0.000	0.003	0.004	0.000	0.000
5.0								
10.0	88							
50.0	48	0.000	0.002	0.000	0.003	0.003	0.000	0.000
100.0		0.000	0.002	0.000	0.001	0.001	0.000	0.001
140.0	55	0.000	0.001	0.000	0.002	0.006	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.001	0.180	0.000	0.006
5.0					
10.0					
50.0	0.001	0.001	0.180	0.000	0.003
100.0	0.001	0.001	0.185	0.000	0.004
140.0	0.001	0.002	0.180	0.000	0.003

C-REF-NO 025  
 CONS. NO 036  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 078-48-00W

YEAR 1969  
 MONTH 09  
 DAY 06  
 TIME 1006

NO. DEPTHS 03  
 SOUNDING 1190  
 BT SLIDE NO 058

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			22.40					
1.0			22.32	0.016				
117.0			3.81	0.004				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						5.5		
1.0								
117.0								

DEPTH	BACBIO
0.0	
1.0	
117.0	

C-REF-NO 025  
 CONS. NO 037  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 06  
 TIME 1051

NO. DEPTHS 03  
 SOUNDING 0950  
 BT SLIDE NO 059

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	2.5	11	21.10					
1.0			20.87	0.002				
93.0			3.77	0.014				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						6.2		
1.0								
93.0								

DEPTH	BACBIO
0.0	
1.0	
93.0	

C-REF-NO 025
CONS. NO 038

COUNTRY 18  
INSTITUTE 22

LAT 43-47-36N  
LON 078-48-00W

YEAR 1969  
MONTH 09  
DAY 06  
TIME 1143

NO. DEPTHS 05  
SOUNDING 0530  
BT SLIDE NO 061

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	2.0	11	21.00					
1.0			20.96	0.001	2.0	317	89.1	9.67
5.0			20.95	0.033	1.8	320	89.4	9.70
10.0			18.50	0.048	1.2	324	89.8	8.31
50.0			4.82	0.008	0.3	340	95.8	9.83

DEPTH	T PG4	SR PD4	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF2OFT
0.0						4.7		
1.0	0.058	0.006	0.022	0.030	0.120			
5.0	0.057	0.007	0.024	0.020	0.150			
10.0	0.053	0.006	0.023	0.005	0.100			
50.0	0.042	0.014	0.015	0.270	0.400			

DEPTH	BACBIO
0.0	
1.0	
5.0	
10.0	
50.0	

C-REF-NO 025	LAT 43-51-00N	YEAR 1969	NO. DEPTHS 05
CONS. NO 039	LON 078-48-00W	MONTH 09	SOUNDING 0190
COUNTRY 18		DAY 06	BT SLIDE NO 063
INSTITUTE 22		TIME 1239	

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	2.0	10	21.40					
1.0			21.25	0.009	2.0	328	89.1	9.61
5.0			21.23	0.037	2.3	324	88.6	9.61
10.0			21.17	0.001	2.3	324	89.1	9.55
17.0			18.83	0.003	1.8	325	91.2	8.49

DEPTH	T PQ4	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						4.5		
1.0	0.065	0.004	0.018	0.010	0.130		370E01	460E02
5.0	0.800	0.004	0.030	0.015	0.120			
10.0	0.068	0.004	0.029	0.020	0.120		280E01	270E02
17.0	0.049	0.006	0.029	0.035	0.250		290E01	450E02

DEPTH	BACBIO	CO F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	123	0.000	0.000	0.000	0.002	0.007	0.000	0.000
5.0								
10.0	101							
17.0	129	0.001	0.002	0.000	0.002	0.006	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.001	0.185	0.000	0.009
5.0					
10.0					
17.0	0.001	0.001	0.185	0.000	0.013

C-REF-NO 025  
 CONS. NO 040  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-53-00N  
 LON 078-30-00W

YEAR 1969  
 MONTH 09  
 DAY 06  
 TIME 1820

NO. DEPTHS 05  
 SOUNDING 0150  
 BT SLIDE NO 065

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	21.90					
1.0			22.17	0.010	1.8	317	88.6	9.29
5.0			21.35	0.001	1.1	317	88.2	9.31
10.0			21.06	0.002	1.6	317	88.6	8.95
13.0			20.87	0.003	1.5	319	88.6	8.73

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						2.9		
1.0	0.052	0.005	0.025	0.030	0.140		160E01	
5.0	0.055	0.005	0.034	0.025	0.150			
10.0	0.057	0.004	0.021	0.005	0.110		110E01	150E02
13.0	0.050	0.005	0.024	0.005	0.120		800E00	190E03

DEPTH	BACBIO
0.0	
1.0	171
5.0	
10.0	105
13.0	112

C-REF-NO 025  
 CONS. NO 041  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 06  
 TIME 1853

NO. DEPTHS 03  
 SOUNDING 0350  
 BT SLIDE NO 066

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	2.0	10	22.50					
1.0			22.45	0.006				
33.0			8.07	0.011				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						3.4		
1.0								
33.0								

DEPTH	BACBIO
0.0	
1.0	
33.0	

C-REF-NO 025
CONS. NO 042
COUNTRY 18
INSTITUTE 22

LAT 43-48-36N  
LON 078-30-00W

YEAR 1969  
MONTH 09  
DAY 06  
TIME 1937

NO. DEPTHS 06  
SOUNDING 0700  
BT SLIDE NO 068

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	21.90					
1.0			21.65	0.000	2.5	323	91.2	9.88
5.0			21.55	0.021	1.0	322	91.2	9.88
10.0			20.09	0.012	1.0	324	88.6	9.35
50.0			4.29	0.023	0.3	339	96.8	11.26
68.0			4.09	0.028	0.4	341	97.1	11.39

DEPTH	T PQ4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						2.3		
1.0	0.048	0.004	0.025	0.025	0.060		270E01	300E02
5.0	0.063	0.004	0.028	0.020	0.060			
10.0	0.049	0.004	0.021	0.005	0.070		160E01	130E02
50.0	0.035	0.010	0.017	0.300	0.300		400E00	
68.0	0.058	0.028	0.013	0.310	0.480		600E00	

DEPTH	BACBIO
0.0	
1.0	132
5.0	
10.0	101
50.0	55
68.0	44

C-REF-NO 025  
 CONS. NO 043  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 06  
 TIME 2130

NO. DEPTHS 06  
 SOUNDING 1390  
 BT SLIDE NO 070

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0	2.0	11	22.30					
1.0			21.56		0.9	324	92.6	9.93
5.0			20.86	0.056	1.0	326	90.8	9.82
10.0			10.68	0.026	0.7	333	92.0	9.88
50.0			3.94	0.014	0.2	335	95.8	12.75
137.0			3.68	0.032	0.4	343	98.1	10.49

DEPTH	T P04	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT
0.0						5.8		
1.0	0.080	0.005	0.019	0.010	0.075		930E01	500E02
5.0	0.052	0.006	0.021	0.020	0.080			
10.0	0.045	0.006	0.016	0.115	0.130		830E01	280E02
50.0	0.075	0.006	0.015	0.270	0.310		110E01	600E01
137.0	0.073	0.035	0.016	0.320	1.500		350E01	240E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	127	0.000	0.001	0.000	0.002	0.003	0.000	0.000
5.0								
10.0	81							
50.0	42	0.000	0.001	0.000	0.005	0.004	0.000	0.000
137.0	60	0.000	0.000	0.000	0.001	0.008	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.002	0.185	0.000	0.008
5.0					
10.0					
50.0	0.001	0.002	0.180	0.000	0.014
137.0	0.000	0.002	0.185	0.000	0.007



C-REF-NO 025
CONS. NO 044
COUNTRY 18
INSTITUTE 22

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

YEAR 1969  
MONTH 09  
DAY 06  
TIME 2333

NO. DEPTHS 03  
SOUNDING 1110  
BT SLIDE NO 071

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	20.00					
1.0			20.35	0.022				
109.0			3.99	0.016				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						6.2		
1.0								
109.0								

DEPTH	BACBIO
0.0	
1.0	
109.0	

C-REF-NO 025  
 CONS. NO 045  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-24-24N  
 LON 078-30-00W  
 YEAR 1969  
 MONTH 09  
 DAY 07  
 TIME 0019

NO. DEPTHS 06  
 SOUNDING 0620  
 BT SLIDE NO 073

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0			21.80					
1.0			21.45	0.012	0.6	327	88.6	9.30
10.0			6.70	0.001	0.7	341	95.2	11.61
25.0			4.09	0.023	0.3	345	95.5	12.58
50.0			3.94	0.005	0.4	338	95.2	12.54
60.0			4.05	0.008	2.4	341	95.2	11.67

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						5.5		
1.0	0.046	0.006	0.022	0.010	0.100		230E01	180E02
10.0	0.038	0.010	0.017	0.205	0.250		110E01	800E01
25.0	0.055	0.026	0.015	0.250	0.310			
50.0	0.060	0.045	0.015	0.250	0.390		500E00	800E01
60.0	0.043	0.010	0.020	0.210	0.250		110E01	200E02

DEPTH	BACBLO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	49	0.000	0.000	0.000	0.003	0.003	0.000	0.000
10.0	120							
25.0								
50.0	51	0.000	0.001	0.000	0.002	0.005	0.000	0.000
60.0	66	0.000	0.000	0.000	0.003	0.004	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.003	0.185	0.000	0.020
10.0					
25.0					
50.0	0.001	0.002	0.180	0.000	0.015
60.0	0.001	0.003	0.180	0.000	0.019

C-REF-NO 025	LAT 43-24-24N	YEAR 1969	NO. DEPTHS 05
CONS. NO 046	LON 078-12-00W	MONTH 09	SOUNDING 0450
COUNTRY 18		DAY 07	BT. SLIDE NO 075
INSTITUTE 22		TIME 0228	

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0			11.30					
1.0			10.22	0.023	0.4	334	89.8	10.08
10.0			7.30	0.020	0.2	341	95.0	10.62
25.0			4.26	0.020	0.2	335	95.5	12.19
43.0			4.10	0.008	0.3	340	96.4	11.91

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						5.8		
1.0	0.065	0.003	0.015	0.125	0.150		140E01	440E02
10.0	0.055	0.013	0.035	0.210	0.180		260E01	260E02
25.0	0.045	0.036	0.040	0.260	0.270			
43.0	0.064	0.036	0.020	0.260	0.380		220E01	180E02

DEPTH	BACB10	CD F	CR F	CU F	CU F	FE F	PB F	MN F
0.0								
1.0	79	0.000	0.001	0.000	0.002	0.004	0.000	0.000
10.0	51							
25.0								
43.0	51	0.000	0.001	0.000	0.002	0.003	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.002	0.175	0.000	0.009
10.0					
25.0					
43.0	0.001	0.002	0.180	0.000	0.006

C-REF-NO 025  
 CONS. NO 047  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-26-00N  
 LON 078-12-00W  
 YEAR 1969  
 MONTH 09  
 DAY 07  
 TIME 0304

NO. DEPTHS 03  
 SOUNDING 0840  
 BT SLIDE NO 076

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			16.40					
1.0			16.48	0.002				
82.0			3.88	0.011				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT
0.0						5.3		
1.0								
82.0								

DEPTH	BACBIO
0.0	
1.0	
82.0	

C-REF-NO 025  
 CONS. NO 048  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 078-12-00W

YEAR 1969  
 MONTH 09  
 DAY 07  
 TIME 0504

NO. DEPTHS 07  
 SOUNDING 1600  
 BT SLIDE NO 078

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0			21.80					
1.0			21.83	0.005	1.0	324	89.1	9.62
5.0			21.86	0.025	1.0	323	91.4	9.62
10.0			21.40	0.007	1.0	325	89.1	9.56
50.0			4.03	0.014	0.6	336	93.1	12.70
100.0			3.83	0.017	0.1	336	95.8	12.93
158.0			3.67	0.006	0.3	339	97.7	11.29

DEPTH	T PG4	SR PO4	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT
0.0						3.8		
1.0	0.082	0.005	0.028	0.030	0.070		300E01	270E03
5.0	0.042	0.004	0.028	0.028	0.060			
10.0	0.042	0.011	0.032	0.010	0.040		350E01	900E02
50.0	0.055	0.030	0.020	0.280	0.230		600E00	900E01
100.0	0.060	0.028	0.018	0.270	0.200			
158.0	0.072	0.036	0.015	0.285	1.000		180E01	960E01

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	120	0.001	0.000	0.000	0.002	0.005	0.000	0.001
5.0								
10.0	108							
50.0	67	0.000	0.001	0.000	0.006	0.005	0.001	0.002
100.0		0.000	0.000	0.000	0.002	0.007	0.001	0.000
158.0	79	0.000	0.001	0.000	0.006	0.009	0.000	0.020

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.003	0.180	0.000	0.015
5.0					
10.0					
50.0	0.001	0.003	0.180	0.000	0.012
100.0	0.001	0.002	0.191	0.000	0.006
158.0	0.001	0.002	0.185	0.000	0.020

C-REF-NO 025
CONS. NO 049
COUNTRY 18
INSTITUTE 22

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

YEAR 1969  
MONTH 09  
DAY 07  
TIME 0734

NO. DEPTHS 05  
SOUNDING 0480  
BT SLIDE NO 080

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			22.20					
1.0			22.04	0.005	1.0	318	89.1	9.38
5.0			21.76	0.021	1.0	319	88.4	9.34
10.0			21.00	0.007	1.0	320	89.1	8.76
46.0			4.85	0.010	0.3	341	97.4	10.51

DEPTH	T PQ4	SR PD4	NH3	TFND3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						2.7		
1.0	0.049	0.001	0.028	0.025	0.070		110E01	220E03
5.0	0.045	0.001	0.032	0.025	0.090			
10.0	0.047	0.001	0.020	0.002	0.060		280E01	800E01
46.0	0.045	0.018	0.020	0.300	0.440		100E01	600E01

DEPTH	BACBIO
0.0	
1.0	98
5.0	
10.0	81
46.0	55

C-REF-NO 025  
 CONS. NO 050  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 07  
 TIME 0824

NO. DEPTHS 04  
 SOUNDING 0200  
 BT SLIDE NO 082

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			22.10					
1.0			21.96	0.012	1.0	319	88.4	9.10
10.0			20.66	0.006	0.8	320	88.6	8.40
18.0			16.37	0.004	0.7	329	89.8	7.35

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						2.9		
1.0	0.042	0.002	0.020	0.005	0.110		120E02	210E02
10.0	0.043	0.002	0.035	0.010	0.160		150E01	190E02
18.0	0.045	0.011	0.030	0.080	0.350		700E00	500E01

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	119	0.000	0.002	0.000	0.004	0.004	0.000	0.000
10.0	123							
18.0	101	0.000	0.000	0.000	0.006	0.003	0.000	0.000

DEPTH	MG F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.001	0.180	0.000	0.008
10.0					
18.0	0.001	0.002	0.180	0.000	0.008

C-REF-NO 025  
 CONS. NO 051  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-58-00N  
 LON 077-54-00W

YEAR 1969  
 MONTH 09  
 DAY 07  
 TIME 1007

NO. DEPTHS 05  
 SOUNDING 0220  
 BT SLIDE NO 084

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			22.20					
1.0			22.07	0.011	1.2	322	88.2	9.00
5.0			22.07	0.008	1.1	322	88.4	8.98
10.0			21.72	0.011	1.0	323	87.0	8.81
20.0			14.38	0.018	0.9	337	88.2	7.38

DEPTH	T PQ4	SR PO4	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT
0.0						3.2		
1.0	0.049	0.001	0.030	0.010	0.120		140E01	250E03
5.0	0.048	0.002	0.040	0.010	0.120			
10.0	0.047	0.001	0.020		0.110		400E00	500E01
20.0	0.044	0.014	0.035	0.075	0.390		170E01	160E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	186	0.000	0.000	0.000	0.001	0.004	0.000	0.000
5.0								
10.0	163							
20.0	179	0.000	0.000	0.000	0.003	0.003	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.002	0.155	0.000	0.009
5.0					
10.0					
20.0	0.001	0.002	0.190	0.000	0.009



C-REF-NO 025  
 CONS. NO 052  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 07  
 TIME 1059

NO. DEPTHS 03  
 SOUNDING 0370  
 BT SLIDE NO 085

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	2.0	11	22.30					
1.0			22.18	0.005				
35.0			7.83	0.014				

DEPTH	T P04	SR P04	NH3	TFN03	R SID2	CHLORA	SPC 20	MF20FT
0.0						3.2		
1.0								
35.0								

DEPTH	BACBIO
0.0	
1.0	
35.0	

C-REF-NO 025  
 CONS. NO 053  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 07  
 TIME 1150

NO. DEPTHS 06  
 SOUNDING 0600  
 BT SLIDE NO 087

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	11	22.10					
1.0			22.01	0.010	1.0	316	89.1	9.49
5.0			22.00	0.004	0.9	324	88.9	9.56
10.0			18.86	0.025	0.8	334	88.9	8.34
50.0			4.70	0.020	0.4	344	95.5	10.85
58.0			4.48	0.012	0.4	341	93.4	10.82

DEPTH	T P04	SR P04	NH3	TFN03	R SID2	CHLORA	SPC 20	MF20FT
0.0						3.2		
1.0	0.041	0.001	0.030	0.010	0.060		100E02	240E02
5.0	0.044	0.001	0.032	0.020	0.080			
10.0	0.043	0.004	0.025	0.010	0.070		460E01	900E01
50.0	0.050	0.029	0.020	0.280	0.500		190E01	900E01
58.0	0.035	0.034	0.020	0.310	0.550		210E01	120E02

DEPTH	BACBIO
0.0	
1.0	120
5.0	
10.0	96
50.0	53
58.0	57

C-REF-NO 025  
 CONS. NO 054  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-47-00N  
 LON 077-54-00W

YEAR 1969  
 MONTH 09  
 DAY 07  
 TIME 1302

NO. DEPTHS 03  
 SOUNDING 1010  
 BT SLIDE NO 088

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	22.10					
1.0			21.98	0.001				
96.0			3.80	0.015				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						0.9		
1.0								
96.0								

DEPTH	BACBIO
0.0	
1.0	
96.0	

C-REF-NO 025  
 CONS. NO 055  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-18N  
 LON 079-54-00W

YEAR 1969  
 MONTH 09  
 DAY 07  
 TIME 1345

NO. DEPTHS 03  
 SOUNDING 1320  
 BT SLIDE NO 089

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	22.50					
1.0			22.41	0.005				
122.0			3.79	0.006				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						1.1		
1.0								
122.0								

DEPTH	BACBIO
0.0	
1.0	
122.0	

C-REF-NO 025  
 CONS. NO 056  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 077-54-00W

YEAR 1969  
 MONTH 09  
 DAY 07  
 TIME 1449

NO. DEPTHS 08  
 SOUNDING 1580  
 BT SLIDE NO 091

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	22.50					
1.0			22.42	0.001	1.0	324	86.5	8.84
10.0			22.41	0.005	1.0	328	86.2	8.93
25.0			5.21	0.009	0.5	339	95.0	12.11
47.0							92.0	
50.0			3.94	0.013	0.2	339		12.76
147.0							92.8	
156.0			3.78	0.086	0.2	342		12.34

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						1.0		
1.0	0.560	0.001	0.035	0.025	0.100		350E01	500E02
10.0	0.046	0.001	0.030	0.025	0.090		630E01	520E02
25.0	0.035	0.012	0.024	0.190	0.150			
47.0	0.059	0.030	0.020	0.225	0.200			
50.0							500E00	400E01
147.0	0.040	0.032	0.016	0.230	0.500			
156.0		0.032	0.016	0.230	0.500		330E01	140E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	54	0.000	0.000	0.000	0.005	0.015	0.000	0.000
10.0	62							
25.0								
47.0								
50.0	31	0.000	0.000	0.000	0.007	0.003	0.000	0.000
147.0								
156.0	33	0.000	0.002	0.000	0.009	0.003	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.002	0.185	0.000	0.011
10.0					
25.0					
47.0					
50.0	0.001	0.002	0.190	0.000	0.014
147.0					
156.0	0.001	0.002	0.180	0.000	0.027

C-REF-NO 025
CONS. NO 057
COUNTRY 18
INSTITUTE 22

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

YEAR 1969  
MONTH 09  
DAY 07  
TIME 1601

NO. DEPTHS 03  
SOUNDING 1810  
BT SLIDE NO 092

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	22.70					
1.0			22.53	0.031				
179.0			3.71	0.003				

DEPTH	T PQ4	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						0.4		
1.0								
179.0								

DEPTH	BACBIO
0.0	
1.0	
179.0	

C-REF-NO 025
CONS. NO 058
COUNTRY 18
INSTITUTE 22

LAT 43-30-18N  
LON 077-54-00W

YEAR 1969  
MONTH 09  
DAY 07  
TIME 1700

NO. DEPTHS 03  
SOUNDING 1600  
BT SLIDE NO 093

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	22.90					
1.0			22.79	0.004				
158.0			3.71	0.016				

DEPTH	T PQ4	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						1.1		
1.0								
158.0								

DEPTH	BACBIO
0.0	
1.0	
158.0	

C-REF-NO 025  
 CONS. NO 059  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 07  
 TIME 1801

NO. DEPTHS 06  
 SOUNDING 1200  
 BT. SLIDE NO 095

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0	2.0	10	22.20					
1.0			22.21	0.011	0.5	325	85.4	9.01
5.0			21.59	0.049	0.4	327	85.6	9.24
10.0			10.67	0.007	0.2	336	90.4	9.32
50.0			3.97	0.006	0.2	338	92.3	12.57
117.0			3.97	0.004	0.6	342	94.0	11.15

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						2.6		
1.0	0.043	0.010	0.022	0.015	0.130		260E01	160E02
5.0	0.040	0.010	0.022	0.015	0.130			
10.0	0.035	0.006	0.016	0.150	0.140		480E01	230E02
50.0	0.063	0.032	0.018	0.290	0.260		170E01	
117.0	0.084	0.038	0.018	0.320	0.650		640E01	250E02

DEPTH BACBIO

0.0  
 1.0  
 5.0  
 10.0  
 50.0  
 117.0

C-REF-NO 025
CONS. NO 060
COUNTRY 18
INSTITUTE 22

LAT 43-22-00N  
LON 077-54-00W

YEAR 1969  
MONTH 09  
DAY 07  
TIME 1857

NO. DEPTHS 05  
SOUNDING 0170  
BT SLIDE NO 097

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0	3.0	10	20.00					
1.0			20.01	0.028	0.4	329	86.3	9.23
5.0			20.16	0.006	0.4	327	86.2	9.24
10.0			14.08	0.002	0.5	328	90.4	9.24
15.0			7.98	0.005	0.4	338	92.0	10.84

DEPTH	T P04	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT
0.0						0.3		
1.0	0.036	0.001	0.025	0.070	0.170		220E01	270E02
5.0	0.048	0.001	0.025	0.060	0.170			
10.0	0.073	0.018	0.020	0.190	0.320		180E01	340E02
15.0	0.068	0.027	0.020	0.230	0.380		240E01	400E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	154	0.000	0.001	0.000	0.006	0.005	0.000	0.000
5.0								
10.0	111							
15.0	100	0.000	0.002	0.000	0.002	0.004	0.002	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.002	0.190	0.000	0.011
5.0					
10.0					
15.0	0.001	0.005	0.180	0.000	0.002

C-REF-NO 025
CONS. NO 061

COUNTRY 18  
INSTITUTE 22

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

YEAR 1969  
MONTH 09  
DAY 07  
TIME 2041

NO. DEPTHS 05  
SOUNDING 0180  
BT SLIDE NO 099

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	22.80					
1.0			22.59	0.014	0.8	320	84.9	9.07
5.0			19.80	0.012	0.6	328	88.4	9.31
10.0			13.58	0.022	0.4	334	91.4	9.46
16.0			6.73	0.017	0.3	337	93.6	10.18

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						1.2		
1.0	0.049	0.002	0.028	0.030	0.100		150E01	360E02
5.0	0.054	0.001	0.024	0.090	0.180			
10.0		0.004	0.030	0.190	0.320		150E03	410E03
16.0	0.060	0.027	0.024	0.140	0.420		700E02	130E03

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	208	0.000	0.001	0.000	0.003	0.005	0.000	0.000
5.0								
10.0	153							
16.0	84	0.000	0.001	0.000	0.001	0.008	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.000	0.175	0.000	0.000
5.0					
10.0					
16.0	0.001	0.000	0.180	0.000	0.000

C-REF-NO 025
CONS. NO 062
COUNTRY 18
INSTITUTE 22

LAT 43-16-30N  
LON 077-27-30W

YEAR 1969  
MONTH 09  
DAY 07  
TIME 2156

NO. DEPTHS 04  
SOUNDING 0120  
BT SLIDE NO 100

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	11	20.10					
1.0			20.16	0.013	0.5	331	88.6	9.28
5.0			20.17	0.015	0.7	330	87.6	9.33
10.0			7.24	0.038	0.8	343	95.8	9.62

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT
0.0						10.8		
1.0	0.055	0.002	0.025	0.040	0.170		520E03	250E04
5.0	0.081	0.003	0.027	0.040	0.170			
10.0		0.055	0.060	0.280	0.470			510E04

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	169	0.000	0.000	0.000	0.001	0.005	0.001	0.000
5.0								
10.0	113	0.000	0.002	0.000	0.003	0.005	0.000	0.001

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.001	0.180	0.000	0.000
5.0					
10.0	0.001	0.001	0.180	0.000	0.000



C-REF-NO 025  
 CONS. NO 063  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-20-48N  
 LON 077-30-12W

YEAR 1969  
 MONTH 09  
 DAY 07  
 TIME 2259

NO. DEPTHS 06  
 SOUNDING 0790  
 BT SLIDE NO 102

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	23.00					
1.0			22.95	0.006	0.6	322	85.2	8.87
5.0			22.96	0.001	0.6	316	86.2	8.82
10.0			22.82	0.036	1.0	319	86.3	8.98
50.0			4.08	0.015	0.1	335	93.1	11.62
77.0			3.88	0.003	1.5	344	86.5	10.37

DEPTH	T P04	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT
0.0						1.9		
1.0	0.046	0.001	0.027	0.010	0.050		130E02	800E02
5.0		0.001	0.030	0.020	0.050			
10.0		0.001	0.023	0.010	0.050		180E01	500E02
50.0	0.035	0.001	0.020	0.010	0.040		300E00	100E02
77.0		0.040	0.024	0.280	0.480		330E01	340E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	98	0.000	0.001	0.000	0.002	0.003	0.000	0.000
5.0								
10.0	93							
50.0	63	0.000	0.002	0.000	0.003	0.004	0.000	0.000
77.0	65	0.000	0.001	0.000	0.002	0.004	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.001	0.175	0.000	0.000
5.0					
10.0					
50.0	0.001	0.000	0.175	0.000	0.000
77.0	0.001	0.000	0.180	0.000	0.000

C-REF-NO 025
CONS. NO 064
COUNTRY 18
INSTITUTE 22

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

YEAR 1969  
MONTH 09  
DAY 08  
TIME 0016

NO. DEPTHS 03  
SOUNDING 1580  
BT SLIDE NO 103

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			23.00					
1.0			22.90	0.018				
150.0			3.72	0.022				

DEPTH	T PQ4	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0								
1.0						1.7		
150.0								

DEPTH	BACBIO
0.0	
1.0	
150.0	

C-REF-NO 025  
 CONS. NO 065  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 077-36-00W  
 YEAR 1969  
 MONTH 09  
 DAY 08  
 TIME 0206

NO. DEPTHS 06  
 SOUNDING 1310  
 BT SLIDE NO 105

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0			22.50					
1.0			22.48	0.043	0.9	324	87.0	8.84
10.0			22.51	0.010	0.8	324	87.4	8.85
25.0			4.81	0.012	0.5	326	93.8	12.37
50.0			4.03	0.012	0.5	342	87.0	12.37
129.0			3.93	0.002	0.3	334	93.4	12.57

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						2.1		
1.0		0.002	0.030	0.030	0.040		690E01	100E03
10.0		0.003	0.043	0.030	0.040		520E01	350E02
25.0		0.002	0.033	0.020	0.030			
50.0		0.018	0.040	0.280	0.200		370E01	150E02
129.0		0.037	0.043	0.320	0.280		950E01	160E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	75	0.000	0.001	0.000	0.001	0.005	0.000	0.000
10.0	110							
25.0								
50.0	56	0.000	0.002	0.000	0.003	0.004	0.000	0.000
129.0	62	0.000	0.001	0.000	0.002	0.003	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.002	0.001	0.175	0.000	0.007
10.0					
25.0					
50.0	0.002	0.001	0.165	0.000	0.005
129.0	0.001	0.001	0.185	0.000	0.005

C-REF-NO 025
CONS. NO 066

COUNTRY 18  
INSTITUTE 22

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

YEAR 1969  
MONTH 09  
DAY 08  
TIME 0409

NO. DEPTHS 03  
SOUNDING 0470  
BT SLIDE NO 106

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			22.30					
1.0			22.18	0.000				
45.0			5.18	0.008				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SI02	CHLORA	SPC 20	MF20FT
0.0						1.4		
1.0								
45.0								

DEPTH BACBIO

0.0  
1.0  
45.0

C-REF-NO 025  
 CONS. NO 067  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 08  
 TIME 0500

NO. DEPTHS 05  
 SOUNDING 0240  
 BT SLIDE NO 108

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0			22.20					
1.0			22.06	0.009	1.2	321	86.2	8.62
5.0			22.07	0.003	0.9	320	86.7	8.60
10.0			21.73	0.012	1.0	320	86.7	8.41
22.0			9.41	0.018	0.7	339	86.7	8.62

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						1.5		
1.0	0.055	0.005	0.040	0.020	0.125		200E00	160E02
5.0	0.050	0.005	0.041	0.020	0.125			
10.0	0.050	0.006	0.030	0.005	0.120		180E01	460E02
22.0	0.042	0.010	0.038	0.025	0.150		170E01	110E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	62	0.000	0.001	0.000	0.002	0.003	0.001	0.000
5.0								
10.0	66							
22.0	64	0.000	0.002	0.000	0.002	0.004	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.001	0.180	0.000	0.003
5.0					
10.0					
22.0	0.001	0.001	0.180	0.000	0.004

C-REF-NO 025
CONS. NO 068
COUNTRY 18
INSTITUTE 22

LAT 43-52-54N  
LON 077-32-00W

YEAR 1969  
MONTH 09  
DAY 08  
TIME 0545

NO. DEPTHS 03  
SOUNDING 0440  
BT SLIDE NO 109

DEPTH	SECCHI	FOREL	TEMP.	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			22.10					
1.0			22.04	0.014				
42.0			5.24	0.015				

DEPTH	T P04	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						0.3		
1.0								
42.0								

DEPTH	BACBIO
0.0	
1.0	
42.0	

C-REF-NO 025  
 CONS. NO 069  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 08  
 TIME 0703

NO. DEPTHS 05  
 SOUNDING 0270  
 BT SLIDE NO 111

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0			22.20					
1.0			22.08	0.000	1.0	320	87.0	8.34
5.0			22.09	0.000	1.1	320	87.0	8.52
10.0			21.83	0.006	1.0	321	87.4	8.26
25.0			5.37	0.012	0.9	347	96.1	10.03

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						1.5		
1.0	0.055	0.010	0.041	0.025	0.100		210E01	180E02
5.0	0.044	0.005	0.024	0.008	0.100			
10.0	0.045	0.004	0.023	0.005	0.095		230E01	620E02
25.0	0.090	0.039	0.020	0.320	0.520		390E01	200E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	68	0.000	0.001	0.000	0.002	0.004	0.000	0.000
5.0								
10.0	65							
25.0	65	0.000	0.002	0.000	0.004	0.003	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.001	0.180	0.000	0.003
5.0					
10.0					
25.0	0.001	0.000	0.185	0.000	0.006

C-REF-NO 025  
 CONS. NO 070  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 077-18-00W

YEAR 1969  
 MONTH 09  
 DAY 08  
 TIME 0852

NO. DEPTHS 07  
 SOUNDING 1250  
 BT SLIDE NO 113

DEPTH	SECCMI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			22.50					
1.0			22.41	0.014	1.3	320	87.0	8.77
5.0			22.44	0.001	1.3	319	87.5	8.73
10.0			22.43	0.020	1.0	325	87.2	8.73
50.0			4.03	0.018	0.3	337	93.1	12.67
100.0			3.85	0.003	0.3	339	95.0	12.21
123.0			3.82	0.012	1.0	341	95.1	11.43

DEPTH	T P04	SR P04	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT
0.0						2.0		
1.0	0.043	0.005	0.034	0.020	0.100		960E01	390E02
5.0	0.041	0.010	0.030	0.010	0.100			
10.0	0.042	0.010	0.028	0.005	0.080		680E01	150E03
50.0	0.070	0.030	0.020	0.280	0.200		190E01	120E02
100.0	0.082	0.041	0.020	0.280	0.510			
123.0	0.100	0.044	0.020	0.285	0.700		560E01	800E01

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	76	0.000	0.000	0.000	0.003	0.003	0.001	0.000
5.0								
10.0	62							
50.0	34	0.000	0.002	0.000	0.002	0.003	0.000	0.000
100.0		0.000	0.002	0.000	0.002	0.008	0.001	0.000
123.0	41	0.000	0.001	0.000	0.009	0.006	0.001	0.001

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.001	0.170	0.000	0.013
5.0					
10.0					
50.0	0.001	0.001	0.175	0.000	0.000
100.0	0.001	0.001	0.175	0.000	0.002
123.0	0.001	0.012	0.170	0.000	0.012



C-REF-NO 025  
 CONS. NO 071  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 08  
 TIME 1103

NO. DEPTHS 03  
 SOUNDING 2060  
 BT SLIDE NO 114

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	2.0	10	22.70					
1.0			22.57	0.004				
201.0			3.67	0.017				

DEPTH	T PQ4	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						1.7		
1.0								
201.0								

DEPTH	BACBIO
0.0	
1.0	
201.0	

C-REF-NO 025  
 CONS. NO 072  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-21-36N  
 LON 077-18-00W

YEAR 1969  
 MONTH 09  
 DAY 08  
 TIME 1204

NO. DEPTHS 07  
 SOUNDING 1260  
 BT SLIDE NO 116

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	22.80					
1.0			22.75	0.002	2.3	329		8.67
10.0			22.76	0.016	1.5	323		8.70
25.0			6.37	0.012	0.4	339		11.14
49.0			3.95	0.010	1.7	346		12.39
103.0					1.5	355		11.25
123.0			3.74	0.025				

DEPTH	T PQ4	SR PQ4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						1.6		
1.0								
10.0								
25.0								
49.0								
103.0								
123.0								

DEPTH	BACBIO
0.0	
1.0	
10.0	
25.0	
49.0	
103.0	
123.0	

C-REF-NO 025  
 CONS. NO 073  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 08  
 TIME 1315

NO. DEPTHS 06  
 SOUNDING 0340  
 BT SLIDE NO 118

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	22.70					
1.0			22.64	0.022	0.8	323	86.5	8.58
5.0			22.64	0.006	1.0	321	86.2	8.58
10.0			17.93	0.095	0.7	332	86.7	8.45
25.0			4.33	0.071	2.6	342	86.5	11.24
32.0			4.15	0.020	2.5	335	86.7	11.24

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						0.7		
1.0	0.044	0.010	0.038	0.015	0.100		830E01	200E02
5.0	0.044	0.010	0.030	0.030	0.150			
10.0	0.044	0.010	0.040	0.030	0.125		510E01	280E02
25.0	0.042	0.010	0.038	0.030	0.275			
32.0	0.040	0.010	0.046	0.040	0.150		560E01	220E02

DEPTH	BACBLO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	113	0.000	0.002	0.001	0.004	0.006	0.000	0.000
5.0								
10.0	86							
25.0								
32.0	68	0.000	0.001	0.000	0.005	0.005	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.001	0.180	0.000	0.014
5.0					
10.0					
25.0					
32.0	0.001	0.001	0.165	0.000	0.012

C-REF-NO 025
CONS. NO 074
COUNTRY 18
INSTITUTE 22

LAT 43-17-12N  
LON 077-00-00W

YEAR 1969  
MONTH 09  
DAY 08  
TIME 1522

NO. DEPTHS 05  
SOUNDING 0160  
BT SLIDE NO 120

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0	3.0	10	22.80					
1.0					1.1	326	86.7	8.70
5.0			22.73	0.004	1.2	323	86.3	8.71
10.0			22.68	0.004	1.1	324	85.6	8.68
14.0			22.62	0.011	1.2	319	86.6	8.60

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT
0.0						1.0		
1.0	0.047	0.001	0.040	0.020	0.150		200E01	470E04
5.0	0.046	0.001	0.038	0.020	0.160			
10.0	0.040	0.001	0.028	0.002	0.100		600E00	300E04
14.0	0.040	0.001	0.020	0.002	0.100		270E01	220E04

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	93	0.000	0.001	0.000	0.002	0.005	0.001	0.000
5.0								
10.0	99							
14.0	87	0.000	0.001	0.000	0.004	0.003	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.002	0.002	0.150	0.000	0.007
5.0					
10.0					
14.0	0.002	0.004	0.165	0.000	0.010

C-REF-NO 025  
 CONS. NO 075  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-21-42N  
 LON 077-00-00W

YEAR 1969  
 MONTH 09  
 DAY 08  
 TIME 1618

NO. DEPTHS 06  
 SOUNDING 0720  
 BT SLIDE NO 122

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	4.0	10	22.90					
1.0			22.85	0.009	1.0	317	86.1	8.66
5.0			22.76	0.002	1.0	318	86.5	8.68
10.0			22.65	0.018	0.9	318	86.0	8.60
50.0			3.95	0.004	0.8	342	94.3	11.50
70.0			3.97	0.045	0.5	342	96.1	11.03

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT
0.0						0.7		
1.0	0.035	0.001	0.020	0.002	0.080		140E01	
5.0	0.040	0.001	0.020	0.002	0.080			
10.0	0.068	0.012	0.032	0.010	0.080		110E01	170E04
50.0	0.038	0.032	0.027	0.300	0.400		270E01	720E03
70.0	0.060	0.040	0.028	0.310	0.640		200E01	100E03

DEPTH	BACBIO
0.0	
1.0	86
5.0	
10.0	110
50.0	39
70.0	42

C-REF-NO 025  
 CONS. NO 076  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 08  
 TIME 1727

NO. DEPTHS 03  
 SOUNDING 1800  
 BT SLIDE NO 123

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	4.0	10	23.00					
1.0			22.93	0.012				
178.0			3.71	0.021				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT
0.0						1.5		
1.0								
178.0								

DEPTH	BACBIO
0.0	
1.0	
178.0	

C-REF-NO 025  
 CONS. NO 077  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-30-18N  
 LON 077-00-00W

YEAR 1969  
 MONTH 09  
 DAY 08  
 TIME 1838

NO. DEPTHS 06  
 SOUNDING 2150  
 BT SLIDE NO 124

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0	4.0	10	23.10					
1.0			22.97	0.002	0.7	316	85.5	8.77
5.0			22.96	0.002	0.7	316	86.7	8.76
10.0			22.57	0.001	1.0	317	86.7	8.65
50.0			3.97	0.014	0.1	337	95.2	12.78
213.0			3.68	0.011	0.1	339	96.4	12.20

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						0.4		
1.0	0.035	0.001	0.023	0.030	0.080		350E01	260E03
5.0	0.038	0.001	0.025	0.020	0.070			
10.0	0.044	0.001	0.020	0.005	0.060		480E01	500E02
50.0	0.070	0.033	0.016	0.270	0.200		150E01	670E01
213.0	0.070	0.035	0.016	0.270	0.650		190E01	500E01

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	90	0.000	0.001	0.000	0.002	0.003	0.001	0.000
5.0								
10.0	84							
50.0	31	0.000	0.001	0.000	0.005	0.002	0.000	0.000
213.0	39	0.000	0.001	0.000	0.012	0.005	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.005	0.175	0.000	0.008
5.0					
10.0					
50.0	0.001	0.004	0.170	0.000	0.010
213.0	0.001	0.001	0.180	0.000	0.006

C-REF-NO 025
CONS. NO 078

COUNTRY 18  
INSTITUTE 22

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

YEAR 1969  
MONTH 09  
DAY 08  
TIME 2006

NO. DEPTHS 03  
SOUNDING 1800  
BT SLIDE NO 126

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	4.0	10	23.10					
1.0			23.07	0.013				
178.0			3.73	0.002				

DEPTH	T PQ4	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						0.0		
1.0								
178.0								

DEPTH	BACBIO
0.0	
1.0	
178.0	

C-REF-NO 025  
 CONS. NO 079  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-39-00N  
 LON 077-00-00W

YEAR 1969  
 MONTH 09  
 DAY 08  
 TIME 2113

NO. DEPTHS 06  
 SOUNDING 1470  
 BT SLIDE NO 127

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	22.90					
1.0			23.02	0.013	0.7	316	85.8	8.68
5.0			23.01	0.000	0.4	314	86.5	8.62
10.0			22.96	0.008	0.5	316	86.2	8.65
50.0			4.02	0.007	0.1	335	95.0	12.45
145.0			3.71	0.007	0.2	343	96.8	10.50

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						0.3		
1.0	0.042	0.005	0.022	0.020	0.090		180E01	990E02
5.0	0.043	0.001	0.022	0.020	0.100			
10.0	0.040	0.005	0.020	0.005	0.070		900E00	500E02
50.0	0.068	0.010	0.016	0.260	0.190		900E00	420E02
145.0	0.094	0.010	0.018	0.290	1.200		250E01	240E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	177	0.000	0.002	0.000	0.003	0.002	0.000	0.000
5.0								
10.0	131							
50.0	46	0.000	0.002	0.000	0.005	0.005	0.000	0.001
145.0	56	0.000	0.006	0.000	0.004	0.004	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.001	0.175	0.000	0.002
5.0					
10.0					
50.0	0.001	0.001	0.175	0.000	0.000
145.0	0.001	0.001	0.185	0.000	0.003

C-REF-NO 025
CONS. NO 080
COUNTRY 18
INSTITUTE 22

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

YEAR 1969  
MONTH 09  
DAY 08  
TIME 2227

NO. DEPTHS 03  
SOUNDING 1010  
BT SLIDE NO 129

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.5	10	23.00					
1.0			22.89	0.038				
98.0			3.76	0.015				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						1.2		
1.0								
98.0								

DEPTH	BACBIO
0.0	
1.0	
98.0	



C-REF-NO 025  
 CONS. NO 081  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-47-42N  
 LON 077-00-00W

YEAR 1969  
 MONTH 09  
 DAY 08  
 TIME 2327

NO. DEPTHS 06  
 SOUNDING 0650  
 BT SLIDE NO 131

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0	3.0	10	22.30					
1.0			22.15	0.009	0.6	324	86.6	8.48
5.0			22.17	0.015	0.8	320	87.4	8.47
10.0			22.16	0.003	1.3	323	86.6	8.45
50.0			4.01	0.026	0.5	343	96.4	11.42
61.0			3.96	0.002	1.8	329	96.1	11.37

DEPTH	T PG4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						1.2		
1.0	0.042	0.010	0.025	0.010	0.100		160E01	
5.0	0.040	0.011	0.035	0.010	0.100			
10.0	0.040	0.015	0.040	0.020	0.100		120E02	380E02
50.0	0.084	0.040	0.025	0.280	0.600		460E01	
61.0	0.090	0.040	0.025	0.280	0.600		410E01	

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	36	0.001	0.002	0.001	0.001	0.002	0.000	0.000
5.0								
10.0	70							
50.0	40	0.000	0.002	0.000	0.002	0.003	0.000	0.000
61.0	50	0.000	0.001	0.000	0.002	0.006	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.002	0.001	0.175	0.000	0.000
5.0					
10.0					
50.0	0.001	0.001	0.185	0.000	0.004
61.0	0.001	0.000	0.185	0.000	0.000

C-REF-NO 025  
 CONS. NO 082  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 09  
 TIME 0037

NO. DEPTHS 05  
 SOUNDING 0190  
 BT SLIDE NO 133

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	O2 W
0.0			22.00					
1.0			22.02	0.007	1.3	321	88.2	8.65
5.0			22.03	0.003	0.8	323	87.4	8.61
10.0			21.94	0.006	1.2	324	87.9	8.59
17.0			13.93	0.013	1.0	328	90.1	7.07

DEPTH	T P04	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT
0.0						0.8		
1.0	0.045	0.010	0.025	0.020	0.130		780E01	260E02
5.0	0.040	0.012	0.030	0.020	0.130			
10.0	0.040	0.010	0.030	0.020	0.130		470E01	310E02
17.0	0.034	0.015	0.045	0.090	0.150		120E02	

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	146	0.000	0.002	0.000	0.003	0.002	0.000	0.000
5.0								
10.0	103							
17.0	64	0.000	0.001	0.000	0.001	0.003	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.002	0.000	0.180	0.000	0.000
5.0					
10.0					
17.0	0.002	0.001	0.180	0.000	0.000

C-REF-NO 025  
 CONS. NO 083  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-52-00N  
 LON 076-42-00W  
 YEAR 1969  
 MONTH 09  
 DAY 09  
 TIME 0216

NO. DEPTHS 05  
 SOUNDING 0380  
 BT SLIDE NO 135

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			22.60					
1.0			22.50	0.036	0.4	316	86.7	8.45
5.0			22.53	0.006	0.4	315	85.8	8.47
10.0			22.54	0.010	0.4	324	87.4	8.27
36.0			4.83	0.005	0.3	342	96.1	10.68

DEPTH	T P04	SR P04	NH3	TFN03	R SIO2	CHLORA	SPC 20	MF20FT
0.0						1.7		
1.0	0.045	0.007	0.025	0.005	0.090		160E02	130E03
5.0	0.051	0.005	0.032	0.010	0.090			
10.0	0.040	0.005	0.036	0.020	0.090		120E02	200E02
36.0	0.065	0.027	0.024	0.300	0.500		520E01	160E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	96	0.000	0.001	0.000	0.003	0.004	0.001	0.000
5.0								
10.0	127							
36.0	98	0.000	0.000	0.000	0.004	0.003	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.003	0.001	0.185	0.000	0.002
5.0					
10.0					
36.0	0.001	0.001	0.180	0.000	0.007

C-REF-NO 025  
 CONS. NO 084  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 09  
 TIME 0415

NO. DEPTHS 07  
 SOUNDING 1300  
 BT SLIDE NO 136

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			22.80					
1.0			22.69	0.016	0.8	321	86.4	8.54
5.0			22.74	0.004	0.6	318	85.8	8.54
10.0			22.70	0.003	0.7	323	85.8	8.54
50.0			4.07	0.018	0.2	335	94.3	12.53
100.0			3.88	0.007	0.5	337	95.4	12.84
128.0			3.78	0.005	0.4	337	97.4	12.51

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT
0.0						1.1		
1.0	0.042	0.005	0.038	0.040	0.080		310E02	640E02
5.0	0.038	0.005	0.030	0.030	0.090			
10.0	0.039	0.005	0.029	0.005	0.070		320E02	380E02
50.0	0.058	0.030	0.015	0.280	0.270		820E01	400E02
100.0	0.065	0.032	0.020	0.270	0.270			
128.0	0.071	0.035	0.020	0.280	0.600		280E01	600E01

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	79	0.000	0.000	0.000	0.001	0.003	0.000	0.000
5.0								
10.0	77							
50.0	42	0.000	0.002	0.000	0.010	0.004	0.000	0.000
100.0		0.000	0.000	0.000	0.003	0.004	0.001	0.000
128.0	33	0.002	0.002	0.002	0.005	0.003	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.001	0.180	0.000	0.000
5.0					
10.0					
50.0	0.001	0.001	0.180	0.000	0.000
100.0	0.001	0.001	0.180	0.000	0.004
128.0	0.001	0.001	0.180	0.000	0.018

C-REF-NO 025  
 CONS. NO 085  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 09  
 TIME 0632

NO. DEPTHS 06  
 SOUNDING 0850  
 BT SLIDE NO 139

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			22.50					
1.0			22.40	0.011	0.7	325	86.0	8.88
5.0			22.43	0.002	0.7	324	85.8	8.87
10.0			22.39	0.007	0.5	324	86.3	8.88
49.0			3.97	0.021	0.3	339	93.4	12.40
82.0			3.85	0.006	2.1	344	95.0	11.18

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SID2	CHLORA	SPC 20	MF20FT
0.0						5.2		
1.0	0.049	0.005	0.023	0.030	0.100			
5.0	0.048	0.005	0.022	0.020	0.110			
10.0	0.048	0.005	0.020	0.005	0.090			
49.0	0.065	0.030	0.020	0.270	0.310			
82.0	0.070	0.032	0.020	0.270	0.500			

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0		0.000	0.000	0.000	0.002	0.003	0.000	0.000
5.0								
10.0								
49.0		0.000	0.000	0.000	0.004	0.003	0.001	0.000
82.0		0.000	0.000	0.000	0.003	0.003	0.001	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.002	0.175	0.000	0.004
5.0					
10.0					
49.0	0.001	0.001	0.175	0.000	0.010
82.0	0.001	0.004	0.175	0.000	0.014

C-REF-NO 025	LAT 43-23-00N	YEAR 1969	NO. DEPTHS 04
CONS. NO 086	LON 076-42-00W	MONTH 09	SOUNDING 0220
COUNTRY 18		DAY 09	BT SLIDE NO 140
INSTITUTE 22		TIME 0716	

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			22.50					
1.0			22.52	0.015				
10.0			22.53	0.020				
20.0			11.58	0.001				

DEPTH	T P04	SR P04	NH3	TFN03	R SI02	CHLORA	SPC 20	MF20FT
0.0						4.7		
1.0							210E02	260E02
10.0							220E02	360E02
20.0							280E01	100E02

DEPTH	BACBIO
0.0	
1.0	166
10.0	155
20.0	80

C-REF-NO 025	LAT 43-28-36N	YEAR 1969	NO. DEPTHS 04
CONS. NO 087	LON 076-32-06W	MONTH 09	SOUNDING 0180
COUNTRY 18		DAY 09	BT SLIDE NO 142
INSTITUTE 22		TIME 0833	

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			22.60					
1.0			22.63	0.012	0.7	325	85.8	8.68
10.0			22.65	0.006	0.6	323	86.0	8.68
16.0			22.32	0.032	0.8	326	86.2	8.66

DEPTH	T P04	SR P04	NH3	TFN03	R SI02	CHLORA	SPC 20	MF20FT
0.0						4.0		
1.0	0.052	0.005	0.037	0.030	0.120		210E02	400E02
10.0	0.048	0.002	0.040	0.030	0.120		170E02	220E02
16.0	0.058	0.005	0.020	0.010	0.120		150E02	440E02

DEPTH	BACBIO
0.0	
1.0	161
10.0	146
16.0	135

C-REF-NO 025  
 CONS. NO 088  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 09  
 TIME 0953

NO. DEPTHS 06  
 SOUNDING 0600  
 BT SLIDE NO 144

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0			22.60					
1.0			22.56	0.004	1.0	320	85.8	8.35
5.0			22.56	0.005	0.7	319	85.6	8.38
10.0			22.56	0.007	0.8	317	86.0	8.36
50.0			4.18	0.006	0.2	340	95.1	11.45
56.0			4.16	0.003	2.5	341	97.1	10.21

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						1.8		
1.0	0.043	0.002	0.028	0.005	0.090		860E01	380E02
5.0	0.043	0.002	0.030	0.005	0.100			
10.0	0.039	0.002	0.025	0.005	0.070		810E01	360E02
50.0	0.079	0.040	0.020	0.290	0.600		610E01	210E02
56.0	0.090	0.040	0.023	0.290	0.800		250E02	440E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	144	0.000	0.001	0.000	0.003	0.002	0.001	0.000
5.0								
10.0	123							
50.0	46	0.000	0.002	0.000	0.009	0.008	0.000	0.006
56.0	50	0.000	0.002	0.000	0.003	0.006	0.000	0.013

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.002	0.175	0.000	0.008
5.0					
10.0					
50.0	0.001	0.002	0.175	0.000	0.013
56.0	0.001	0.001	0.180	0.000	0.008

C-REF-NO 025
CONS. NO 089
COUNTRY 18
INSTITUTE 22

LAT 43-39-00N  
LON 076-24-00W

YEAR 1969  
MONTH 09  
DAY 09  
TIME 1104

NO. DEPTHS 03  
SOUNDING 0980  
BT SLIDE NO 145

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.5	10	22.50					
1.0			22.46	0.001				
96.0			3.91	0.021				

DEPTH	T P04	SR P04	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						1.8		
1.0								
96.0								

DEPTH	BACBIO
0.0	
1.0	
96.0	



C-REF-NO 025  
 CONS. NO 090  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-43-12N  
 LON 076-24-00W

YEAR 1969  
 MONTH 09  
 DAY 09  
 TIME 1203

NO. DEPTHS 05  
 SOUNDING 0520  
 BT SLIDE NO 147

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	4.0	10	22.40					
1.0			22.31	0.006	0.6	319	85.8	8.41
5.0			22.33	0.002	0.6	323	86.2	8.39
10.0			22.34	0.009	0.5	321	85.8	11.59
50.0			3.95	0.016	0.4	338	95.5	8.39

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						2.9		
1.0	0.050	0.005	0.030	0.010	0.110		770E01	360E02
5.0	0.052	0.005	0.037	0.010	0.110			
10.0	0.054	0.010	0.043	0.015	0.110		320E02	400E02
50.0	0.080	0.038	0.024	0.270	0.500			250E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	106	0.000	0.000	0.000	0.004	0.005	0.000	0.000
5.0								
10.0	89							
50.0	46	0.000	0.002	0.000	0.002	0.004	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.001	0.175	0.000	0.012
5.0					
10.0					
50.0	0.001	0.002	0.175	0.000	0.009

C-REF-NO 025  
 CONS. NO 091  
 COUNTRY 18  
 INSTITUTE 22

LAT 43-47-42N  
 LON 076-24-00W

YEAR 1969  
 MONTH 09  
 DAY 09  
 TIME 1313

NO. DEPTHS 03  
 SOUNDING 0430  
 BT SLIDE NO 148

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	22.30					
1.0			22.25	0.005				
41.0			4.21	0.001				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						1.7		
1.0								
41.0								

DEPTH	BACBIO
0.0	
1.0	
41.0	

C-REF-NO 025  
 CONS. NO 092  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 09  
 TIME 1410

NO. DEPTHS 04  
 SOUNDING 0120  
 BT SLIDE NO 150

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.5	10	22.30					
1.0			22.22	0.005	0.5	318	86.1	8.22
5.0			22.26	0.002	0.5	318	85.2	8.25
10.0			22.10	0.022	0.5	320	85.2	8.22

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						1.1		
1.0	0.057	0.005	0.030	0.015	0.120		290E02	660E02
5.0	0.044	0.008	0.044	0.010	0.120			
10.0	0.038	0.010	0.040	0.010	0.120		210E02	310E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	73	0.000	0.002	0.000	0.002	0.003	0.000	0.000
5.0								
10.0	58	0.000	0.001	0.000	0.002	0.003	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.002	0.170	0.000	0.005
5.0					
10.0	0.002	0.001	0.170	0.000	0.006

C-REF-NO 025
CONS. NO 093
COUNTRY 18
INSTITUTE 22

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

YEAR 1969  
MONTH 09  
DAY 09  
TIME 1536

NO. DEPTHS 04  
SOUNDING 0210  
BT SLIDE NO 151

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	11	22.60					
1.0			22.52	0.042				
10.0			22.49	0.003				
19.0			8.13	0.009				

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						8.2		
1.0							310E02	640E02
10.0							310E01	160E02
19.0							910E01	190E02

DEPTH	BACBIO
0.0	
1.0	104
10.0	86
19.0	58

C-REF-NO 025  
 CONS. NO 094  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 09  
 TIME 1722

NO. DEPTHS 05  
 SOUNDING 0250  
 BT SLIDE NO 153

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	4.0	10	22.50					
1.0			22.41	0.031	0.4	318	86.3	8.52
5.0			22.41	0.005	0.4	317	86.6	8.52
10.0			22.35	0.019	0.4	321	86.0	8.51
23.0			5.35	0.007	0.9	350	97.4	8.60

DEPTH	T P04	SR P04	NH3	TFN03	R SI02	CHLORA	SPC 20	MF20FT
0.0						1.0		
1.0	0.055	0.015	0.030	0.020	0.080		970E01	740E02
5.0	0.044	0.000	0.025	0.015	0.080			
10.0	0.045	0.005	0.026	0.010	0.060		910E01	210E02
23.0	0.107	0.046	0.024	0.360	0.770		120E02	190E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	70	0.000	0.001	0.000	0.003	0.003	0.001	0.000
5.0								
10.0	69							
23.0	102	0.000	0.002	0.000	0.003	0.002	0.000	0.000

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.003	0.175	0.000	0.012
5.0					
10.0					
23.0	0.001	0.001	0.180	0.000	0.008

C-REF-NO 025  
 CONS. NO 095  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 09  
 TIME 1907

NO. DEPTHS 05  
 SOUNDING 0280  
 BT SLIDE NO 155

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	22.30					
1.0			22.19	0.026	0.6	324	87.4	8.79
5.0			22.21	0.003	0.6	322	87.2	8.79
10.0			22.16	0.008	0.6	321	87.9	8.70
26.0			9.09	0.015	0.7	352	99.0	5.27

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						3.4		
1.0	0.050	0.005	0.028	0.010	0.148		350E01	420E02
5.0	0.043	0.000	0.025	0.022	0.150			
10.0	0.040	0.000	0.025	0.010	0.130		190E02	740E02
26.0	0.107	0.015	0.025	0.294	1.480		660E01	260E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	171	0.000	0.002	0.000	0.003	0.003	0.000	0.000
5.0								
10.0	172							
26.0	64	0.000	0.000	0.000	0.002	0.001	0.000	0.001

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.002	0.180	0.000	0.008
5.0					
10.0					
26.0	0.001	0.001	0.175	0.000	0.008

C-REF-NO 025  
 CONS. NO 096  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1969  
 MONTH 09  
 DAY 09  
 TIME 2057

NO. DEPTHS 05  
 SOUNDING 0200  
 BT SLIDE NO 157

DEPTH	SECCHI	FOREL	TEMP	T CLAS	TURB	SP CON	TC ALK	02 W
0.0	3.0	10	22.40					
1.0			22.22	0.023	0.9	325	86.7	8.60
5.0			22.21	0.003	0.6	323	86.2	8.63
10.0			22.13	0.005	0.7	321	86.7	8.59
18.0			13.62	0.018	0.6	347	95.5	5.05

DEPTH	T PO4	SR PO4	NH3	TFNO3	R SIO2	CHLORA	SPC 20	MF20FT
0.0						1.8		
1.0	0.046	0.005	0.026	0.020	0.120		200E01	200E02
5.0	0.034	0.000	0.024	0.005	0.098			
10.0	0.032	0.010	0.045	0.020	0.090		190E01	900E01
18.0	0.050	0.026	0.032	0.210	0.672		600E01	240E02

DEPTH	BACBIO	CD F	CR F	CO F	CU F	FE F	PB F	MN F
0.0								
1.0	74	0.000	0.002	0.001	0.003	0.002	0.000	0.000
5.0								
10.0	53							
18.0	47	0.000	0.002	0.000	0.005	0.005	0.000	0.001

DEPTH	MO F	NI F	SR FS	V F	ZN F
0.0					
1.0	0.001	0.002	0.175	0.000	0.008
5.0					
10.0					
18.0					