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LIMNOLOGICAL DATA REPORT NO. 1

## LAKE ERIE

CRUISE 67 - 101, May 30 - June 7

CRUISE 67 - 102, June 12 - 18

CRUISE 67 - 103, June 19 - 29

PUBLISHED BY  
CANADIAN OCEANOGRAPHIC DATA CENTRE

CANADA CENTRE FOR INLAND WATERS

BURLINGTON • ONTARIO

Programmed by

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INLAND WATERS BRANCH

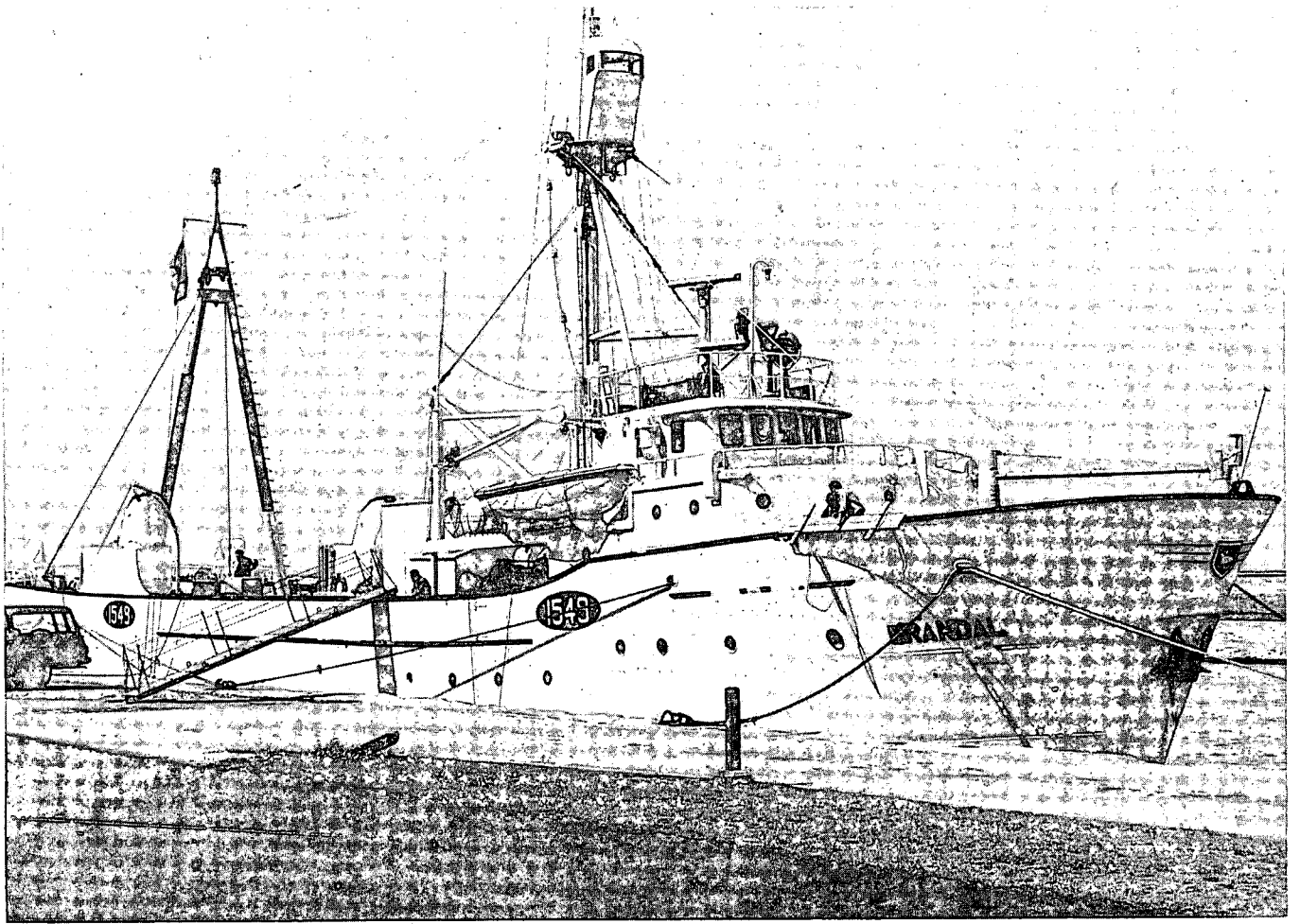
DEPARTMENT of ENERGY, MINES & RESOURCES

and

PUBLIC HEALTH ENGINEERING DIVISION

DEPARTMENT of NATIONAL HEALTH & WELFARE

CANADA



M. V. "Brandal"



**LIMNOLOGICAL DATA REPORT NO.1**

# **LAKE ERIE**

**CRUISE 67 - 101, May 30 - June 7**

**CRUISE 67 - 102, June 12 - 18**

**CRUISE 67 - 103, June 19 - 29**

**1967**

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



## FOREWORD

This report contains limnological data gathered for research and monitoring purposes, primarily to provide data required in connection with the IJC reference on pollution of Lakes Erie and Ontario.

The agencies involved were:

Department of Energy, Mines and Resources  
Department of National Health and Welfare

The joint reference of the Governments of Canada and the United States to the International Joint Commission was for information on the following questions:

- (1) Are the waters of Lake Erie, Lake Ontario and the International Section of the St. Lawrence River being polluted on either side of the boundary to an extent which is causing or is likely to cause injury to health or property on the other side of the boundary?
- (2) If the foregoing question is answered in the affirmative, to what extent, by what causes, and in what localities is such pollution taking place?
- (3) If the Commission should find that pollution of the character just referred to is taking place, what remedial measures would, in its judgement, be most practicable from the economic, sanitary and other points of view and what would be the probable cost thereof?

These data have been made available to International Joint Commission agencies, federal and provincial, operating under the respective Boards: The International Lake Erie Water Pollution Board and the International Lake Ontario - St. Lawrence River Water Pollution Board.

In view of their interest to limnological research workers who are not formally charged with studies on behalf of the International Joint Commission, these data are distributed widely in this report. Because of difficulties in interpretation, anyone using these data in the preparation of a paper or report which draws conclusions pertaining to the three questions posed above, is requested by the IJC Pollution Reference Boards to discuss the data interpretation with the agencies concerned before publishing the report or paper. Such discussion can be arranged through the Canada Centre for Inland Waters, P.O. Box 5050, Burlington, Ontario.

In all other respects, the data are free to be used for scientific research and studies and should be acknowledged in accordance with the usual scientific practice.

## INTRODUCTION

This report is one of a series listing chemical, bacteriological and physical data for waters of Lake Erie, observed by Government of Canada agencies. Ten cruises of Lake Erie were carried out between May 30 and October 30, 1967.

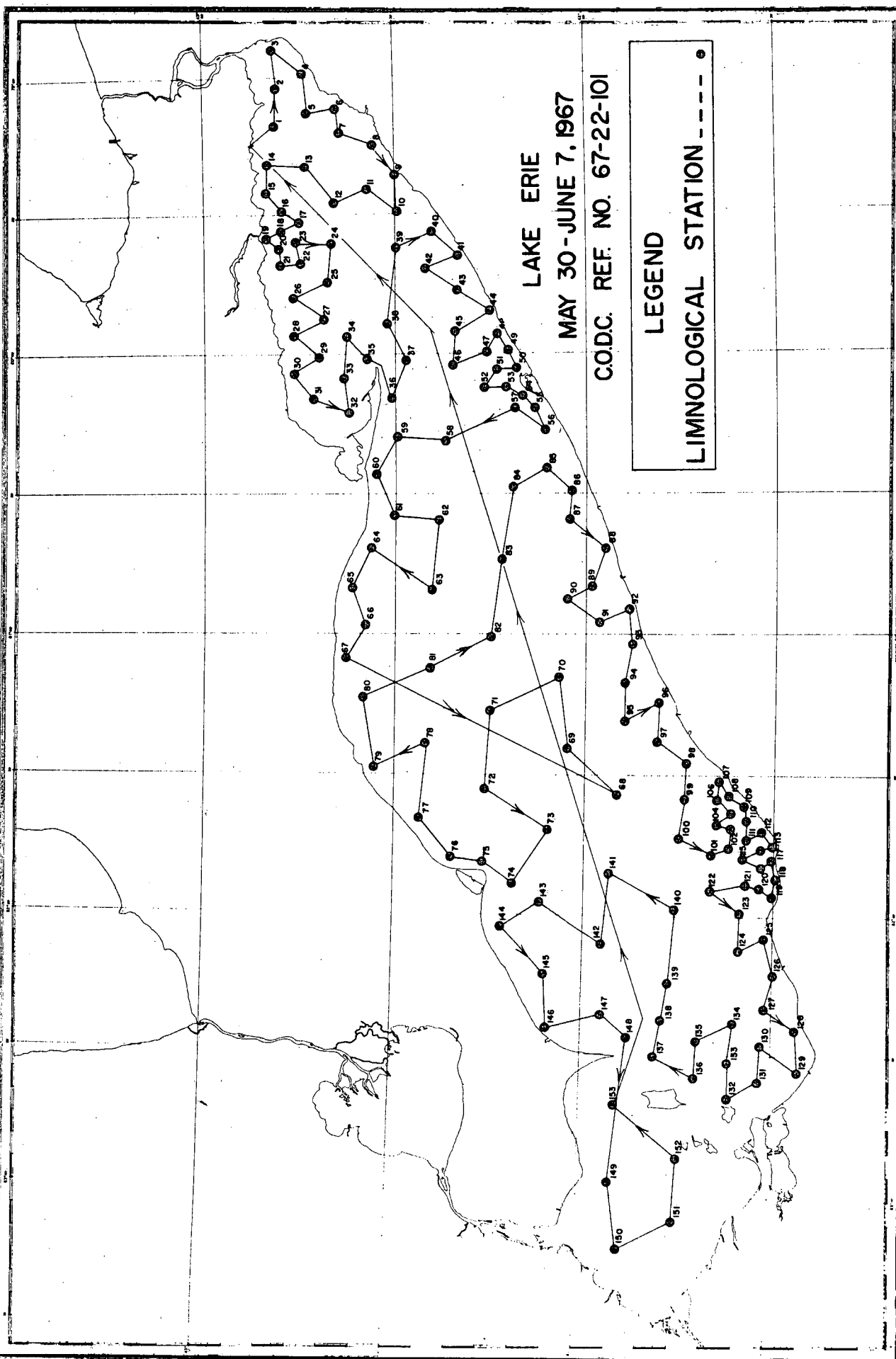
The 1967 surveys were carried out by the Great Lakes Division (Inland Waters Branch) and the Canadian Hydrographic Service (Marine Sciences Branch), both of which are Branches of the Department of Energy, Mines and Resources, and by the Public Health Engineering Division of the Department of National Health and Welfare. Staff from the three agencies carried out the work aboard the 140-foot stern trawler "Brandal", chartered by the Department of Energy, Mines and Resources.

Water-quality data gathered during ten monitor cruises in 1967 are contained in the present series. Not reported on are several cruises related to Physical, Geological and Seismic Surveys. Supplementary bathythermograph data and weather data are available on request from the Canada Centre for Inland Waters, P.O. Box 5050, Burlington, Ontario.

The Canadian Government's program developed in response to a request directed to the International Joint Commission by the Governments of Canada and the United States, that information relating to pollution of Lake Ontario, Lake Erie, and the international section of the St. Lawrence River be gathered. Preliminary listings of the data have already been made available to agencies preparing a report for the International Joint Commission.

The bacteriological data have already been published in Manuscript Report No. 67-19 of the Public Health Engineering Division, Department of National Health and Welfare. These data are again published in the present series of reports to facilitate comparison with the chemical and physical data.

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

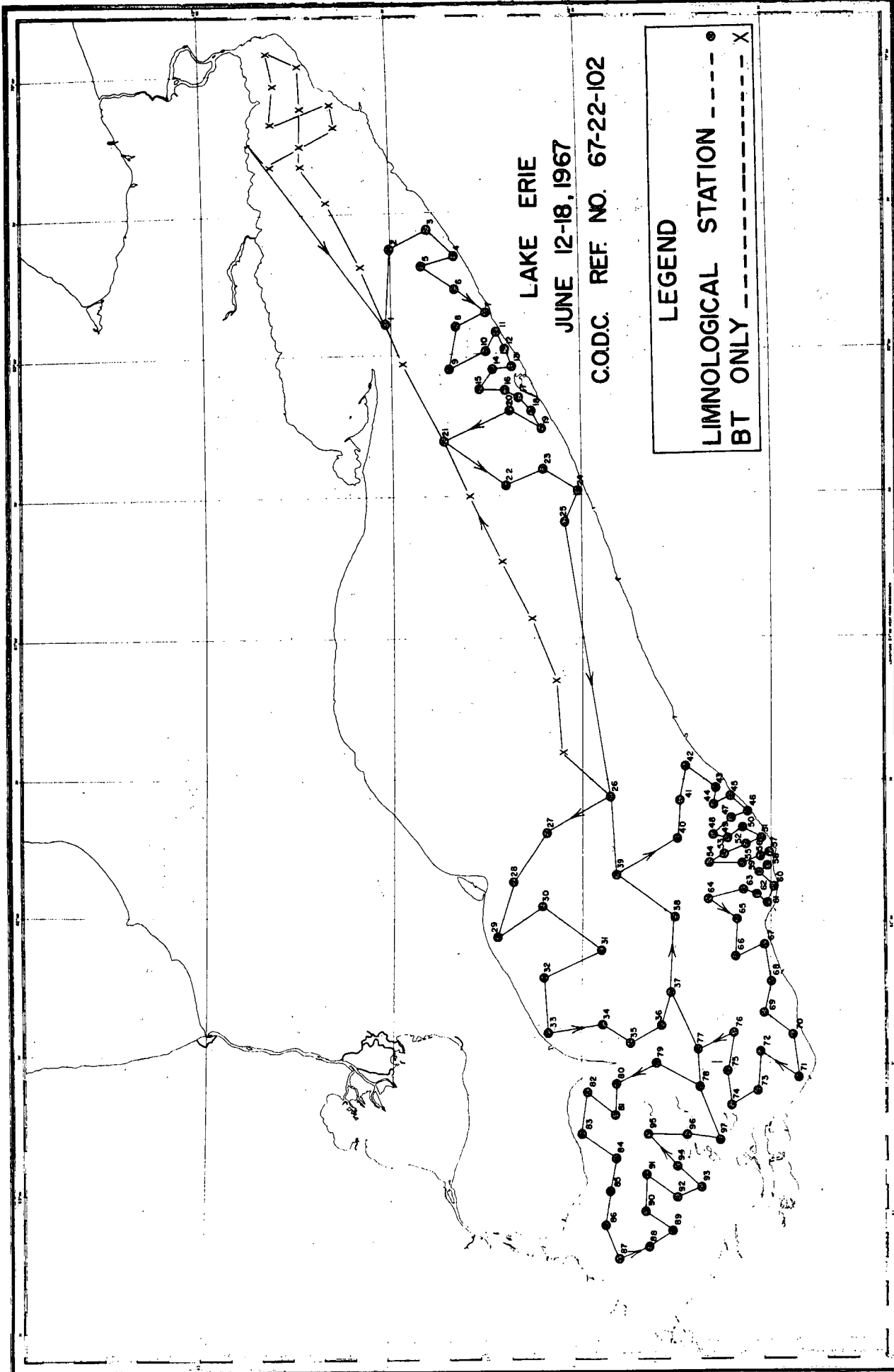


LAKE ERIE  
MAY 30 - JUNE 7, 1967

C.O.D.C. REF. NO. 67-22-101

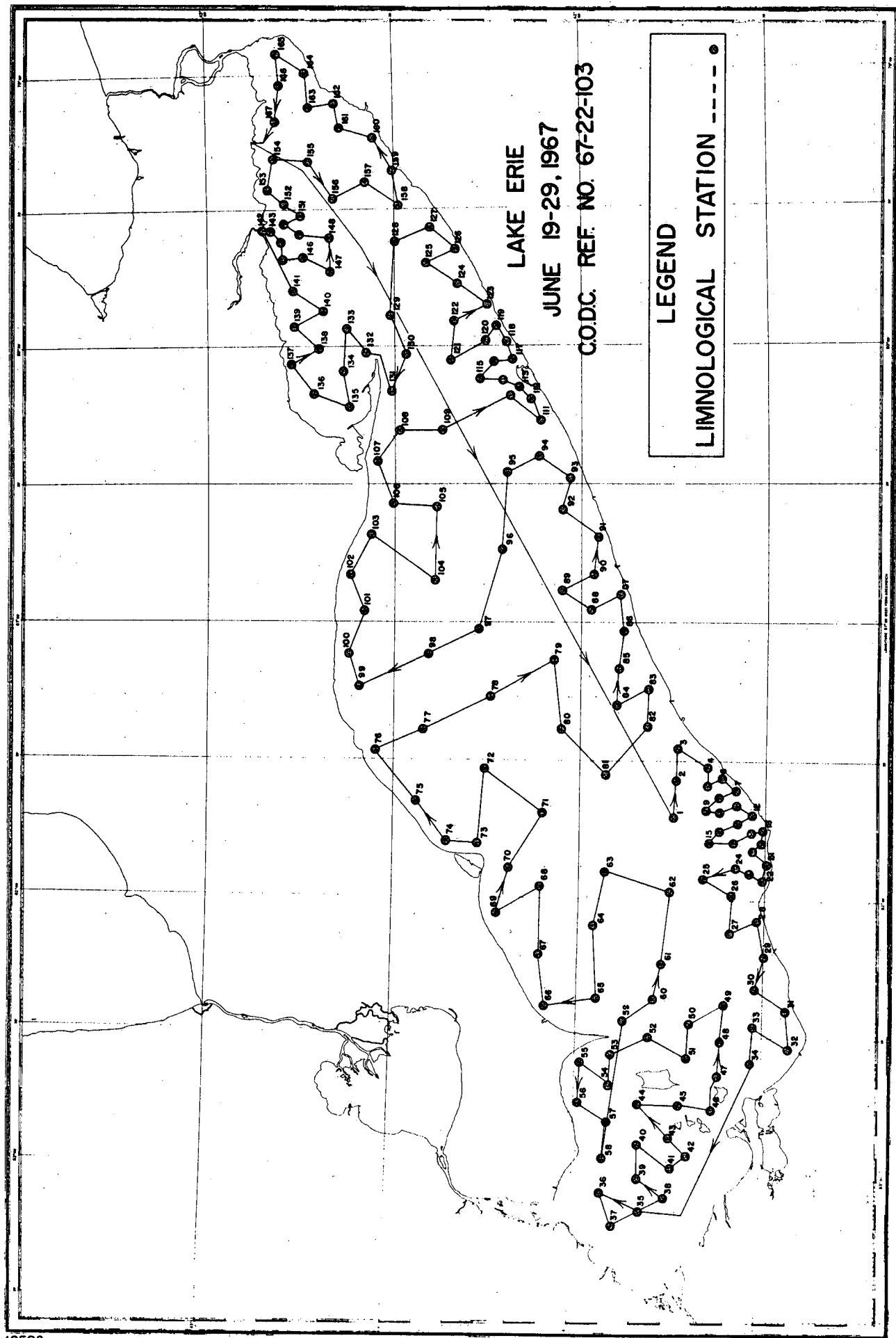
LEGEND  
LIMNOLOGICAL STATION - - - - - ●





LAKE ERIE  
 JUNE 12-18, 1967  
 C.O.D.C. REF. NO. 67-22-102

LEGEND  
 LIMNOLOGICAL STATION ---●---  
 BT ONLY ---X---



Summary of the Cruises and Data listed in Data Reports Nos. 1, 2 and 3.

Data Report No.	1		
	67-101	67-102	67-103
Cruise No.	67-101	67-102	67-103
Dates (1967)	May 30 June 7	June 12 June 18	June 19 June 29
Cruise Type	Monitor	Monitor	Monitor
Lake	Erie	Erie	Erie
Vessel	Brandal	Brandal	Brandal
No. of Stations	153	123	167
No. of BT Slides	8	36	10
Station Data:			
Date/Time	X	X	X
Sounding	X	X	X
BT Slide No.	X	X	X
Sample Depth	X	X	X
Secchi Depth	X	X	X
Colour - Hazen Scale	X		X
Temperature	X	X	X
Turbidity	X	X	X
Specific Conductance	X	X	X
Residue, filtrable	X		X
pH 25°C	X	X	X
Alkalinity, total (titrimetric)	X		X
Alkalinity, total (colorimetric)	X		X
Biochemical Oxygen Demand (Winkler)	X	X	
Oxygen, dissolved (Winkler)	X	X	X
Phosphate, reactive			
Nitrate nitrogen, NF			X
Nitrite nitrogen, NF			X
Nitrate nitrite nitrogen, NF		X	
Sulphate, NF	X		X
Chloride, NF	X		X
Silica, reactive	X	X	X
Hardness, total	X		X
Cadmium, NF	X		X
Calcium, NF atomic absorption	X		X
Chromium, NF	X		X
Cobalt, NF	X		X
Copper, NF	X		X
Iron, NF	X		X
Lead, NF	X		X
Lithium, NF	X		X
Magnesium, NF	X		X
Manganese, NF	X		X
Nickel, NF	X		X
Potassium, NF photometric	X		X
Sodium, NF photometric	X		X
Strontium, NF atomic absorption	X		X
Zinc, NF	X		X
MF Coliforms	X		X
MF fecal coliform			X
MF fecal streptococci	X		X
Standard plate count at 20°C	X		X
Standard plate count at 35°C	X		X

NF - Non filtered.

(An "X" indicates that the parameter is reported for one or more stations in that cruise).

2			3			
67-104	67-105	67-107	67-109	67-111	67-113	67-115
July 4 July 9	July 10 July 19	July 31 Aug. 9	Aug. 21 Aug. 31	Sept. 11 Sept. 21	Oct. 2 Oct. 9	Oct. 23 Oct. 29
Monitor Erie Brandal 82 5	Monitor Erie Brandal 192 19	Monitor Erie Brandal 99 9	Monitor Erie Brandal 100 12	Monitor Erie Brandal 123 120	Monitor Erie Brandal 98 94	Monitor Erie Brandal 77 75
X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X	X X X X X
X X X	X X X X	X X X X	X X X X	X X X X	X X X X	X X X X
X  X	X X X X X	X X  X X	X X  X X	X X  X X	X X X X X	X X X X X
	X  X X	X  X	X  X	X  X	X  X	X  X
	X X X X	X X  X	X X X X	X X X X	X X X X	X  X X
	X X X X X		X X X X	X X X X	X X X X	X  X X
	X X X X	X  X	X X X X	X X X X	X X X X	X  X X
	X X X X	X  X	X X X X	X X X X	X X X X	X  X X
	X X X	X  X	X X X	X X X	X X X	X  X X

## Description of the Data Record

Information in the headings for each station:

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

## Explanations:

- (1) Cruise number: the 1967 cruises are numbered in the series from 101 to 115, the first digit (1) having been assigned to all Lake Erie cruises.
- (2) Consecutive station number: the stations within each cruise are numbered in chronological order.
- (4) Institute: For filing purposes, the institute code was 22 (Inland Waters Branch, Department of Energy, Mines and Resources).
- (5) and (6) indicate the latitude and longitude of the vessel, in degrees, minutes and seconds, at the time of the observations.
- (7), (8) and (9) indicate the date of the observations according to Greenwich Mean Time.
- (10) Indicates the messenger time in hours and minutes (Greenwich Mean Time) for the first bottle cast at the station. The hours of each day are numbered from 00 to 23.
- (11) The number of depths at which observations were made. This should correspond to the number of depths actually listed. The count is listed to reveal omissions due to the loss of punch-cards.
- (12) The sounding is listed in meters, to the nearest tenth of a meter.
- (13) Indicates the bathythermograph slide number corresponding to the particular station. The slides are numbered consecutively within each cruise.

EXPLANATION OF THE DATA LISTING FOR EACH STATION

Parameter Name	Abbreviation (column heading)	Units used in the Data Reports	No. of Decimals printed	Star System Code
Sample Depth	DEPTH	METERS	1	001
Secchi Depth	SECCHI	METERS	1	030
Hazen	HAZEN	Hazen-Seale	0	032
Temperature	TEMP.	°C	2	100
Turbidity	TURB.	Turb. Units	1	123
Specific Conductance at 25°C	SP. COND	Micromhos	0	160
Residue, filtrable	F. RES	mg/L	1	201
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
Biochemical Oxygen Demand (Winkler)	BOD-W	mg O <sub>2</sub> /L	1	239
Oxygen, dissolved (Winkler)	O2 W	mg O <sub>2</sub> /L	2	245
Phosphate, reactive	R PO4	mg PO <sub>4</sub> /L	3	262
Nitrate nitrogen, NF	NO3NF	mg N/L	3	271
Nitrite nitrogen, NF	NO2NF	mg N/L	3	273
Nitrate nitrite nitrogen, NF	T NO3	mg N/L	3	275
Sulphate, NF	S SO4	mg SO <sub>4</sub> /L	1	280
Chloride, NF	CL	mg Cl/L	1	290
Silica, reactive	R SIO2	mg SIO <sub>2</sub> /L	3	295
Hardness, total	HARD	mg CaCO <sub>3</sub> /L	1	300
Cadmium, NF	CD NF	mg metal/L	3	320
Calcium, NF atomic absorption	CA NFA	mg metal/L	3	324
Chromium, NF	CR NF	mg metal/L	3	328
Cobalt, NF	CO NF	mg metal/L	3	332
Copper, NF	CU NF	mg metal/L	3	336
Iron, NF	FE NF	mg metal/L	3	340
Lead, NF	PB NF	mg metal/L	3	346
Lithium, NF	LI NF	mg metal/L	3	350
Magnesium, NF	MG NF	mg metal/L	3	354
Manganese, NF	MN NF	mg metal/L	3	358
Nickel, NF	NI NF	mg metal/L	3	366
Potassium, NF photometric	K NFS	mg metal/L	3	372
Sodium, NF photometric	NA NFS	mg metal/L	3	388
Strontium, NF atomic absorption	SR NFA	mg metal/L	3	390
Zinc, NF	ZN NF	mg metal/L	3	398
MF Coliforms	MF COL	col/100 ml	*	700
MF fecal coliform	MF FCO	col/100 ml	*	703
MF fecal streptococci	MF STR	col/100 ml	*	706
Standard plate count at 20°C	SPC 20	col/ml	*	720
Standard plate count at 35°C	SPC 35	col/ml	*	721

\* Exponential notation. NF - Non filtered.

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

$$130E02 = 1.30 \times 10^2 = 130.$$

$$100E00 = 1.00 \times 10^0 = 1.$$

$$000E00 = 0.00 \times 10^0 = 0.$$

Note: For some parameters, the analytical methods listed in the Star System Manual (REF 12, pp.23-33) are not the methods used for Data Reports.

## Methods of Sampling and Measurement

Water sampling was carried out on the port side of the vessel, amidships, where a davit and a "chains" platform were installed. A small wooden deckhouse provided shelter for reading the thermometers and for transferring water from the primary sampling devices to small bottles which were taken to the shipboard laboratory. The sampling procedure together with photographs of the equipment are published in Manuscript Report No. 67-1 of the Public Health Division, Department of National Health and Welfare.

Samples were collected at standard depths of 1, 4, 7, 10, 13, 16, 19, 22, 28, 31, 37, 43, 49, 55 and 61 meters, where the depth of water permitted. The water sampling devices were metal Knudsen bottles with a capacity of 1.2 liters, and polyvinylchloride Van Dorn bottles with capacities of 2 and 3 liters. 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 14, pp. 88-90).

Position (Latitude and longitude) was determined using radar ranges and bearings on identifiable shoreline features. Occasionally, dead-reckoning had to be used when the vessel was far from shore.

Sounding The depth of water at each station was measured with the ship's echo sounder. Corrections for the transducer depth have been applied.

Secchi depth is the depth of disappearance of a white disc, 30 centimeters in diameter, when it is lowered slowly into the water.

Sample depth The length of wire was measured with a meter wheel using the water surface as the reference level. Wire-angle corrections were applied whenever depths were one meter or more.

Temperature Oceanographic reversing thermometers manufactured by Yoshino Keiko Co. of Japan were lowered in series to all the required depths, and were turned over after five minutes. Later, each thermometer was read twice in the vessel's deckhouse. Scale corrections and thermal-expansion corrections were applied to the readings. There were usually two thermometers on each Knudsen bottle. A single mean temperature value is reported in this final data record, but the individual readings are kept on file at the Canada Centre for Inland Waters. The difference between readings of paired thermometers was usually less than 0.05°C. (U.S. Hydrographic Office 1955).

Additional temperature measurements were made with bathythermographs, and with a thermistor thermometer towed at a depth of one meter while the ship was underway. The BT and thermistor data are available on request from the Canada Centre for Inland Waters.

Turbidity Hach Turbidimeter, Model 1860 (REF 13).

Specific conductance 25°C Radiometer Conductivity Meter Type CDM2 (REFS 2, 23).

pH, 25°C Corning pH meter, Model 10 (REFS 2, 9).

Titrimetric alkalinity Potentiometric Titration (REF 29).

Colorimetric alkalinity was measured using an AutoAnalyzer colorimetric instrument system. Samples were mixed with a buffered acidic methyl orange indicator solution. The final color was measured at 550 millimicrons. Standard solutions contained sodium bicarbonate. (REF 15, pp. 34-36). The unit for alkalinity in this report is mg CaCO<sub>3</sub>/liter. The constituents reacting with the hydrogen ion during the alkalinity measurement were assumed to be CO<sub>3</sub><sup>-2</sup>, and an equivalent amount of Ca<sup>++</sup> was arbitrarily assumed to be present. Actually most of the alkalinity in Great Lakes waters is HCO<sub>3</sub>. Conversion factor for alkalinity: 1 mg CaCO<sub>3</sub>/liter = 1.219 mg HCO<sub>3</sub>/liter.

B.O.D. (Biochemical oxygen demand) One-liter samples were stored for a few hours so that they attained laboratory temperature. Then air was bubbled through each sample to produce oxygen concentrations near the equilibrium value for that temperature. Two 300-ml B.O.D. bottles were filled from each sample by means of a siphon. Dissolved oxygen in the sample of one of the B.O.D. bottles was measured immediately by the Winkler method. The sample in the other bottle was stored in the dark at 20°C, and after 5 days, its final oxygen concentration was measured. The "B.O.D." was the difference between the initial and final oxygen concentrations. A water seal was maintained around the top of each bottle during incubation. The dilution and seeding procedures of the American Public Health Association (REF 2, p. 415), were not included.

Dissolved oxygen was measured using the Winkler iodometric method. Azide was not used. (REF 15, pp. 67-78).

Reactive phosphate Manual extraction, Beckman Model B spectrophotometer (REFS 4, 19, 22, 25).

Nitrate + nitrite NF AutoAnalyzer, colorimetric cadmium reduction (REFS 5, 6).

Nitrite NF AutoAnalyzer, colorimetric (REFS 5, 6).

Sulphate, NF Titrimetric, barium chloride, Thorin indicator (REFS 3, 10).

Chloride NF AutoAnalyzer, colorimetric, mercury thiocyanate (REF 16).

Reactive silica AutoAnalyzer, colorimetric heteropoly blue (REFS 2, 28).

Total hardness Computed from calcium and magnesium determinations (REF 2).

Cadmium NF Atomic absorption spectrophotometry (REFS 1, 7, 18, 21, 24, 30).

Calcium NF Atomic absorption spectrophotometry (REF 21).

Chromium NF Atomic absorption spectrophotometry (REFS 1, 7, 18, 21, 24, 30).

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NF - Non filtered.



Cobalt NF Atomic absorption spectrophotometry (REFS 1, 7, 18, 21, 24, 30).

Copper NF Atomic absorption spectrophotometry (REFS 1, 7, 18, 21, 24, 30).

Iron NF AutoAnalyzer colorimetric (REFS 8, 26) Titration method.

Lead NF Atomic absorption spectrophotometry (REFS 1, 7, 18, 21, 24, 30).

Lithium NF Atomic absorption spectrophotometry (REFS 1, 7, 18, 21, 24, 30).

Magnesium NF Atomic absorption spectrophotometry (REF 21).

Manganese NF Atomic absorption spectrophotometry (REFS 1, 7, 18, 21, 24, 30).

Nickel NF Atomic absorption spectrophotometry (REFS 1, 7, 18, 21, 24, 30).

Potassium NF AutoAnalyzer, flame emission photometry (REF 27).

Sodium NF AutoAnalyzer, flame emission photometry (REF 27).

Strontium NF Atomic absorption spectrophotometry (REFS 1, 7, 18, 21, 24, 30).

Zinc NF Atomic absorption spectrophotometry (REFS 1, 7, 18, 21, 24, 30).

#### 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).

Fecal coliform density determinations were obtained by membrane filtration techniques using Bacto-m FC Broth. Membranes were incubated in a 44.5°C waterbath for 24 ± 2 hours. Fecal coliform densities were recorded in terms of fecal coliform per 100 ml of water sample (REF 11).

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NF - Non filtered.

Fecal streptococcus density determinations were obtained by membrane filtration techniques using Bacto-m Enterococcus Agar. Membranes were incubated at 35°C for 48 hours in an atmosphere of saturated humidity. Counts were calculated and recorded in terms of fecal streptococci (maroon and pink colonies) per 100 ml of water (REF 2, p. 619).

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.

Personnel Great Lakes Division (GLD), Water Quality Division (WQD), Canadian Hydrographic Survey (CHS) and Geological Survey of Canada (GSC), Department of Energy, Mines and Resources; Public Health Engineering Division (PHED), Department of National Health and Welfare.

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D. Robertson (G.L.D.)

### Other Participating Agencies

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

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

Captain R. Caldwell and the crew of the "Brandal" operated the vessel in support of the limnological program.

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**CRUISE 67 - 101**

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

LAT 42-49-06N  
 LON 079-10-24W  
 YEAR 1967  
 MONTH 05  
 DAY 30  
 TIME 1530

NO. DEPTHS 06  
 SOUNDING 0174  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0	4.0	9.67	1.7	324	8.370	92.0	13.43	0.120
4.0		9.35	1.7	324	8.510	92.0	13.50	0.295
7.0		9.11	1.7	324	8.460	93.0	13.57	0.175
10.0		7.96	1.6	331	8.340	85.0	12.54	0.290
13.0		7.21	1.7	328	8.280	92.0	12.55	0.100
16.0		6.31	1.7	332	8.190	92.0	12.24	0.210

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0				
4.0				
7.0	000E00			
10.0				
13.0				
16.0				

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

LAT 42-48-33N  
 LON 079-02-30W  
 YEAR 1967  
 MONTH 05  
 DAY 30  
 TIME 1655

NO. DEPTHS 06  
 SOUNDING 0174  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0	3.5	10.76	2.0	333	8.510	97.0	12.04	0.090
4.0		10.43	2.0	333	8.510	96.0	12.13	0.365
7.0		9.18	1.6	327	8.490	93.0	12.61	0.115
10.0		8.24	1.3	330	8.400		12.08	
13.0		6.80	1.5	332	8.140		11.31	
15.0		6.77	1.5	331	8.150		11.40	

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	900E00	800E00	110E01
4.0				
7.0	000E00			
10.0				
13.0				
15.0	000E00	000E00	310E01	600E00

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

LAT 42-49-00N  
LON 078-54-48W

YEAR 1967  
MONTH 05  
DAY 30  
TIME 2008

NO. DEPTHS 03  
SCUNDING 0091  
BT SLIDE NO 001

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0	4.0	10.86	1.7	328	8.420	87.0	12.51	0.270
4.0		10.84	1.5	328	8.400	87.0	13.34	0.090
7.0		10.53	0.8	332	8.400	87.0	12.55	0.080

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	100E00	240E01	100E01
4.0				
7.0	000E00	000E00	450E01	800E00

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0		90.6	25.4	37.000	7.900	1.300	12.800
4.0							
7.0							

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.018	0.042	0.005	0.001	0.012
4.0								
7.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.003	0.150		5	27.0	125.0	1.4
4.0							1.1
7.0							1.1



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

LAT 42-44-24N  
 LON 078-59-06W

YEAR 1967  
 MONTH 05  
 DAY 30  
 TIME 2202

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	3.0	11.36	0.9	326	8.490	87.0	12.69		0.095
4.0		11.24	0.6	325	8.480	87.0	12.63		0.105
7.0		9.61	0.9	326	8.450	88.0	12.19		0.090
10.0		8.25	1.0	330	8.350	89.0	12.54		0.150

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	240E01	100E00
4.0				
7.0	000E00			
10.0	000E00	000E00	610E01	300E00

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

LAT 42-43-39N  
 LON 079-07-21W

YEAR 1967  
 MONTH 05  
 DAY 30  
 TIME 2324

NO. DEPTHS 06  
 SOUNDING 0174  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	3.5	10.62	1.6	326	8.510	90.0	12.64		0.080
4.0		10.58	0.9	324	8.520	89.0	13.17		0.370
7.0		10.53	0.7	324	8.510	89.0	13.08		0.090
10.0		8.13	0.7	324	8.490	94.0	12.76		0.115
13.0		7.42	0.9	329	8.340	91.0	12.36		0.095
16.0		6.99	0.8	329	8.260	92.0	11.76		0.115

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00		100E01	000E00
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	250E01	400E00

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

LAT 42-39-48N  
 LON 079-06-36W

YEAR 1967  
 MONTH 05  
 DAY 31  
 TIME 0044

NO. DEPTHS 05  
 SOUNDING 0142  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0	3.5	9.79	0.8	329	8.410	92.0	12.71	0.250
4.0		9.81	0.9	329	8.410	93.0	12.83	0.360
7.0		9.46	0.9	330	8.440	93.0	12.88	
10.0		7.69	0.8	333	8.310	93.0	12.21	
13.0		7.55	1.1	332	8.210	93.0	11.86	

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	900E00	600E00
4.0				
7.0	200E00			
10.0				
13.0	000E00	000E00	100E01	400E00

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

LAT 42-38-48N  
 LON 079-11-54W

YEAR 1967  
 MONTH 05  
 DAY 31  
 TIME 0213

NO. DEPTHS 07  
 SOUNDING 0219  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0		10.95	1.1	327	8.500	75.0		0.040
4.0		10.94	1.2	328	8.470	92.0	12.75	0.050
7.0		10.58	1.1	328	8.490	91.0	12.91	0.055
10.0		7.84	1.2	325	8.350	92.0	12.98	0.060
13.0		7.23	1.1	321	8.210	92.0	12.44	0.100
16.0		6.94	1.1	320	8.160	90.0	12.21	0.145
19.0		6.77	1.0	320	8.150	96.0	12.05	0.020

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	800E00	400E00
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	000E00	230E01	210E01

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

LAT 42-33-33N  
 LON 079-14-27W

YEAR 1967  
 MONTH 05  
 DAY 31  
 TIME 0329

NO. DEPTHS 06  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		10.45	1.1	331	8.410	87.0	12.29		0.030
4.0		10.34	1.1	331	8.450	87.0	12.61		0.030
7.0		8.46	1.1	329	8.330	87.0	12.55		0.030
10.0		7.91	1.1	330	8.270	87.0	12.34		0.030
13.0		6.98	1.2	324	8.170	86.0	11.78		0.050
16.0		6.95	1.2	324	8.140	86.0	11.92		0.060

DEPTH	MF CUL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	200E01	330E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	450E01	500E00

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

LAT 42-30-48N  
 LON 079-21-57W

YEAR 1967  
 MONTH 05  
 DAY 31  
 TIME 0456

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		9.89	1.4	328	8.360	89.0	12.58		0.030
4.0		9.85	1.2	329	8.380	89.0	12.58		0.065
7.0		7.90	1.0	326	8.270	89.0	12.49		0.050
10.0		7.57	1.0	327	8.260	88.0	12.40		0.050
13.0		6.71	0.7	328	8.240	88.0	12.22		0.060

DEPTH	MF CUL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	490E01	280E01
4.0				
7.0				
10.0				
13.0	000E00		180E01	910E01

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

LAT 42-29-33N  
 LON 079-29-36W

YEAR 1967  
 MONTH 05  
 DAY 31  
 TIME 0648

NO. DEPTHS 11  
 SOUNDING 0320  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0		9.99	1.3	327	8.420	86.0	12.43	0.030
4.0		9.82	1.2	327	8.420	86.0	12.64	0.105
7.0		8.79	1.4	327	8.420	86.0	12.81	0.065
10.0		7.40	1.5	326	8.310	86.0	12.69	0.050
13.0		6.52	1.9	326	8.210	86.0	12.80	0.052
16.0		6.21	1.7	328	8.210	87.0	12.37	
19.0		6.08	2.2	325	8.150	87.0	12.34	0.050
22.0		6.23	1.5	325	8.160	87.0	12.39	0.055
25.0		6.01	1.7	326	8.150	87.0	12.36	0.110
28.0		5.86	1.4	325	8.110	87.0	12.51	0.065
31.0		5.34	1.8	325	8.070	87.0	12.40	0.105

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	190E01	700E00
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00			
25.0				
28.0				
31.0	000E00	000E00	120E01	130E01

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

LAT 42-34-36N  
 LON 079-24-33W

YEAR 1967  
 MONTH 05  
 DAY 31  
 TIME 0924

NO. DEPTHS 08  
 SOUNDING 0311  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0	3.5	10.49	1.5	323	8.490	87.0	12.52	0.075
4.0		10.41	1.6	326	8.490	87.0	12.92	0.050
7.0		10.11	1.8	326	8.450	87.0	12.93	0.065
10.0		7.78	1.7	326	8.410	87.5	12.92	0.060
19.0		6.70	1.6	328	8.320	87.5	12.26	0.090
22.0		6.65	1.7	325	8.180	87.5	12.39	0.070
25.0		6.33	2.1	328	8.190	87.5	11.87	0.130
28.0		5.05	5.2	324	7.960	87.5	11.89	0.295
1.0								
4.0								
7.0	000E00							
10.0								
19.0								
22.0	000E00							
25.0								
28.0	000E00	000E00	220E01	110E01				

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

LAT 42-39-45N  
 LON 079-27-30W

YEAR 1967  
 MONTH 05  
 DAY 31  
 TIME 1249

NO. DEPTHS 09  
 SOUNDING 0274  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0	4.0	8.88	2.1	324	8.540	88.0	13.52	0.040
4.0		8.85	2.1	328	8.550	88.0	13.40	0.075
7.0		8.80	1.6	326	8.550	89.0	13.55	0.050
10.0		8.52	2.1	324	8.500	89.0	13.31	0.035
13.0		6.43	2.1	330	8.270	90.0	12.36	0.050
16.0		6.38	2.1	329	8.250	92.0	12.26	0.075
19.0		6.40	1.5	331	8.250	92.0	12.48	0.100
22.0		6.09	8.0	337	8.200	92.0	12.13	0.150
25.0		5.99	8.0	336	8.190	87.0	12.01	0.155

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	100E00	700E00	400E00
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00			
25.0	000E00	000E00	110E01	210E01

C-REF-NO 101  
 CONS. NO 013  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-43-57N  
 LON 079-19-45W

YEAR 1967  
 MONTH 05  
 DAY 31  
 TIME 1436

NO. DEPTHS 08  
 SOUNDING 0246  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0	4.5	9.57	1.4	309	8.620	90.0	13.34	0.054
4.0		9.46	1.7	328	8.590	90.0	13.22	0.050
7.0		9.36	1.6	325	8.550	89.0	13.34	0.040
10.0		9.20	2.1	329	8.610	91.0	13.63	0.048
13.0		6.71	1.8	325	8.390	91.0	12.96	0.048
16.0		6.37	1.4	326	8.310	91.0	12.60	0.045
19.0		5.77	1.7	335	8.230	91.0	12.60	0.080
22.0		5.62	1.8	329	8.180	88.0	12.84	0.060

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	400E00	110E01
4.0				
7.0	100E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00	000E00	250E01	110E01

C-REF-NO 101  
 CONS. NO 014  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-49-51N  
 LON 079-18-51W

YEAR 1967  
 MONTH 05  
 DAY 31  
 TIME 1550

NO. DEPTHS 05  
 SOUNDING 0146  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	4.0	9.60	1.7	328	8.460	91.0	13.04		0.042
4.0		9.51	1.4	332	8.510	90.0	12.99		0.043
7.0		9.30	1.4	312	8.510	91.0	13.13		0.045
10.0		8.72	2.1	328	8.460	90.0	12.73		0.050
13.0		6.65	3.5	329	8.150	89.0	11.61		0.077

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	750E01	
4.0				
7.0				
10.0				
13.0	000E00	000E00	170E01	

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

LAT 42-50-30N  
 LON 079-25-21W

YEAR 1967  
 MONTH 05  
 DAY 31  
 TIME 1734

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	4.0	9.97	1.3	324	8.280	88.0	12.31		0.067
4.0		10.12	1.3	323	8.400	88.0	12.92		0.055
7.0		9.76	1.2	323	8.390	90.0	12.37		0.060
10.0		9.75	1.5	325	8.430	90.0	12.76		0.058

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	600E00	
4.0				
7.0	000E00			
10.0	100E00	000E00	400E00	

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

LAT 42-47-54N  
 LON 079-29-12W

YEAR 1967  
 MONTH 05  
 DAY 31  
 TIME 1835

NO. DEPTHS 07  
 SOUNDING 0210  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0	4.5	9.62	1.8	322	8.430	91.0	13.27		0.015
4.0		9.32	1.3	323	8.430	89.0	13.34		0.015
7.0		8.95	1.4	323	8.440	89.0	13.58		0.016
10.0		8.85	1.7	323	8.450	89.0	13.57		0.012
13.0		5.52	1.6	327	8.100	90.0	12.31		0.034
16.0		5.50	2.5	326	8.010	90.0	12.23		0.041
19.0		5.43	9.4	327	7.980	90.0	12.20		0.064

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	600E00	
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	000E00	180E02	

C-REF-NO 101  
 CONS. NO 017  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-45-12N  
 LON 079-31-39W

YEAR 1967  
 MONTH 05  
 DAY 31  
 TIME 1934

NO. DEPTHS 06  
 SOUNDING 0192  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0	5.0	11.03	1.3	321	8.420	91.0	13.46		0.030
4.0		9.31	1.7	322	8.440	90.0	13.78		0.040
7.0		8.86	1.3	321	8.520	92.0	14.13		0.054
10.0		8.70	1.5	326	8.440	92.0	14.02		0.035
13.0		5.52	2.3	328	8.100	91.0	12.60		0.048
16.0		5.50	2.7	326	8.050	92.0	12.60		0.044

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	400E00	
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	100E01	

C-REF-NO 101  
 CONS. NO 018  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-48-00N  
 LON 079-33-21W

YEAR 1967  
 MONTH 05  
 DAY 31  
 TIME 2019

NO. DEPTHS 06  
 SOUNDING 0192  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R S102
1.0	4.5	10.86	1.4	325	8.500	91.0	13.07	0.038
4.0		10.44	1.6	325	8.510	90.0	13.20	0.038
7.0		9.56	1.4	325	8.520	91.0	13.30	0.050
10.0		9.43	1.8	325	8.550	91.0	13.34	0.080
13.0		8.71	1.7	309	8.480	92.0	13.27	0.038
16.0		5.76	2.5	327	8.150	92.0	12.13	0.050

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	800E00	
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	300E01	

C-REF-NO 101  
 CONS. NO 019  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-50-33N  
 LON 079-35-00W

YEAR 1967  
 MONTH 05  
 DAY 31  
 TIME 2110

NO. DEPTHS 03  
 SOUNDING 0091  
 BT SLIDE NO 002

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R S102
1.0	2.5	11.46	2.6	348	8.430	97.0	12.66	0.080
4.0		11.29	3.0	347	8.500	97.0	12.73	0.075
7.0		10.77	2.5	344	8.510	92.0	12.52	0.095

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0				
4.0				
7.0				

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0		101.0	33.0	40.200	9.100	1.400	12.400
4.0							
7.0							



DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.014	0.062	0.002	0.002	0.016
4.0								
7.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.006	0.230	0.050	5	25.0	137.8	
4.0							
7.0							

C-REF-NO 101
CONS. NO 020
COUNTRY 18
INSTITUTE 22

LAT	42-48-12N
LON	079-37-24W

YEAR	1967
MONTH	05
DAY	31
TIME	2231

NO. DEPTHS	06
SOUNDING	0183
BT SLIDE NO	

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SI02
1.0	3.7	10.18	1.5	325	8.520	91.0	13.34	0.045
4.0		10.15	1.4	326	8.510	91.0	13.28	0.035
7.0		9.91	1.7	324	8.530	91.0	13.51	0.038
10.0		9.37	1.2	325	8.510	92.0	13.25	0.043
13.0		8.03	1.2	325	8.410	92.0	12.81	0.043
16.0		5.72	2.1	328	8.060	91.0	11.96	0.045

DEPTH	MF CUL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	600E00	
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	400E01	

C-REF-NO 101  
 CONS. NO 021  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-48-15N  
 LON 079-41-15W

YEAR 1967  
 MONTH 05  
 DAY 31  
 TIME 2324

NO. DEPTHS 06  
 SOUNDING 0183  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0	3.5	10.29	1.1	322	8.610	92.0	13.69		0.060
4.0		10.20	1.2	323	8.610	93.0	13.78		0.080
7.0		9.37	1.4	324	8.590	93.0	13.81		0.054
10.0		9.26	1.2	323	8.550	93.0	13.80		0.057
13.0		8.60	1.2	325	8.460	93.0	13.14		0.060
16.0		6.11	1.6	327	8.070	92.0	11.72		0.090

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	300E00	
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	370E01	

C-REF-NO 101  
 CONS. NO 022  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-44-54N  
 LON 079-40-36W

YEAR 1967  
 MONTH 06  
 DAY 01  
 TIME 0025

NO. DEPTHS 06  
 SOUNDING 0183  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0	4.0	9.43	0.9	322	8.480	91.0	13.52		0.042
4.0		7.95	1.2	322	8.570	92.0	14.55		0.042
7.0		7.83	1.7	322	8.520	91.5	14.40		0.047
10.0		7.59	1.5	323	8.500	90.5	13.60		0.060
13.0		6.14	1.2	324	8.270	95.0	13.19		0.042
16.0		5.02	2.8	326	8.090	92.0	12.36		0.116

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	100E00	000E00	300E00	
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	900E00	

C-REF-NO 101  
 CONS. NO 023  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-45-39N  
 LON 079-35-51W

YEAR 1967  
 MONTH 06  
 DAY 01  
 TIME 0145

NO. DEPTHS 08  
 SOUNDING 0247  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		10.83	1.6	323	8.590	92.0	13.64		0.030
4.0		8.91	1.7	321	8.610	92.0	14.48		0.030
7.0		8.21	2.2	321	8.570	92.0	14.34		0.030
10.0		8.24	1.9	324	8.580	88.0	13.83		0.032
13.0		6.69	2.1	324	8.340	91.0	13.34		0.040
16.0		5.09	2.0	325	8.110	90.0	12.39		0.065
19.0		5.06	2.6	327	8.060	91.0	12.46		0.075
22.0		5.02	2.6	325	8.070	91.0	12.43		0.082

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	400E00	
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00	000E00	240E01	

C-REF-NO 101  
 CONS. NO 024  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-40-15N  
 LON 079-36-09W

YEAR 1967  
 MONTH 06  
 DAY 01  
 TIME 0333

NO. DEPTHS 09  
 SOUNDING 0293  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		9.43	2.0	320	8.570	89.0	13.42		0.030
4.0		9.02	1.5	319	8.600	88.0	13.42		0.034
7.0		8.68	2.2	318	8.540	88.0	13.26		0.035
10.0		7.95	1.8	320	8.460	88.0	13.42		0.040
13.0		6.20	1.8	324	8.260	88.0	13.34		0.040
16.0		5.84	1.7	325	8.180	90.0	13.36		0.043
19.0		5.69	2.0	328	8.170	91.0	12.28		0.057
22.0		5.58	2.5	328	8.070	92.0	11.90		0.100
25.0		5.62	3.0	327	8.080	92.0	12.10		0.100

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	900E00	240E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00			
25.0	000E00	000E00	130E01	103E02

C-REF-NO 101  
 CONS. NO 025  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-40-30N  
 LON 079-44-36W

YEAR 1967  
 MONTH 06  
 DAY 01  
 TIME 0443

NO. DEPTHS 11  
 SOUNDING 0336  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0		9.53	1.6	318	8.450	87.5	13.52		0.025
4.0		8.10	1.8	320	8.470	88.0	13.43		0.025
7.0		7.80	1.5	319	8.470	86.0	13.34		0.025
10.0		7.53	1.5	320	8.420	89.0	13.14		0.027
13.0		6.77	1.6	322	8.370	89.0	12.92		0.027
16.0		5.51	1.7	325	8.140	90.0	13.43		0.035
19.0		5.34	1.6	324	8.130	92.0	13.19		0.040
22.0		5.23	1.6	326	8.140	91.0	13.05		0.037
25.0		5.26	1.7	327	8.140	92.0	12.13		0.035
28.0		5.24	1.9	327	8.140	92.0	12.22		0.050
31.0		5.15	2.1	328	8.120	92.0	12.43		0.065

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	200E01	100E01
4.0				
7.0				
10.0				
13.0				
16.0				
19.0				
22.0				
25.0	000E00			
28.0				
31.0	000E00	000E00	700E00	110E01

C-REF-NO 101  
 CONS. NO 026  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-46-09N  
 LON 079-47-48W

YEAR 1967  
 MONTH 06  
 DAY 01  
 TIME 0631

NO. DEPTHS 07  
 SOUNDING 0201  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0		9.22	2.1	322	8.570	91.0	14.93		0.067
4.0		8.42	2.1	320	8.570	91.0	14.55		0.043
7.0		7.91	1.7	321	8.460	91.0	14.17		0.032
10.0		7.80	2.4	323	8.450	92.0	14.02		0.035
13.0		7.36	2.3	324	8.460	92.0	13.72		0.032
16.0		5.03	2.8	325	8.170	92.0	12.45		0.053
19.0		4.98	2.6	324	8.100	92.0	12.51		0.062

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	170E01	800E00
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	000E00	800E00	190E01

C-REF-NO 101  
 CONS. NO 027  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-41-27N  
 LON 079-52-24W

YEAR 1967  
 MONTH 06  
 DAY 01  
 TIME 0738

NO. DEPTHS 11  
 SOUNDING 0329  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0		8.68	2.4	318	8.410	97.0	13.89	0.010
4.0		7.29	2.3	318	8.430	98.0	14.02	0.035
7.0		7.16	2.6	323	8.400	97.0	13.83	0.035
10.0		7.05	2.3	323	8.380	98.0	13.67	0.043
13.0		6.68	2.3	324	8.230	97.0	13.42	0.036
16.0		6.15	2.3	326	8.220	98.0	12.58	0.047
19.0		6.07	2.8	326	8.160	99.0	12.83	0.050
22.0		5.94	2.2	327	8.150	95.0	12.66	0.055
25.0		5.77	2.3	324	8.140	99.0	12.45	0.073
28.0		5.17	3.7	326	8.080	98.0	11.98	0.142
31.0		5.07	5.0	332	7.970	98.0	11.61	0.258

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00		250E01	120E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00			
25.0				
28.0				
31.0	000E00	000E00	150E01	100E01

C-REF-NO 101  
 CONS. NO 028  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-46-09N  
 LON 079-56-09W

YEAR 1967  
 MONTH 06  
 DAY 01  
 TIME 0904

NO. DEPTHS 04  
 SOUNDING 0137  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0		9.98	1.2	326	8.480	99.0	13.36	0.043
4.0		9.24	1.7	324	8.500	100.0	13.43	0.054
7.0		9.13	1.7	324	8.550	99.0	13.61	0.055
10.0		8.83	1.2	324	8.640	99.0	14.40	0.053

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00		180E01	110E01
4.0				
7.0	000E00			
10.0	000E00	000E00	300E00	300E00

C-REF-NO 101  
 CONS. NO 029  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-42-09N  
 LON 080-00-30W

YEAR 1967  
 MONTH 06  
 DAY 01  
 TIME 1008

NO. DEPTHS 08  
 SOUNDING 0247  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0		9.03	2.4	329	8.420	99.0	13.42	0.050
4.0		7.93	2.2	328	8.420	98.0	13.58	0.050
7.0		7.50	2.4	327	8.450	99.0	14.02	0.060
10.0		7.43	2.2	315	8.380	98.0	13.34	0.058
13.0		7.24	2.3	326	8.340	98.0	13.34	0.068
16.0		6.34	2.5	331	8.240	98.0	13.04	0.082
19.0		5.52	3.6	329	8.150	98.0	12.43	0.123
22.0		5.00	4.6	330	8.030	98.0	12.20	0.148

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	500E00	150E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00	000E00	250E01	150E01

C-REF-NO 101  
 CONS. NO 030  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-46-09N  
 LON 080-03-57W

YEAR 1967  
 MONTH 06  
 DAY 01  
 TIME 1138

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0	2.8		2.6	327	8.470	92.0	11.98	0.070
4.0			3.0	328	8.500	92.0	11.90	0.088
7.0			2.0	325	8.440	92.0	12.16	0.075
10.0			2.5	324	8.440	92.0	12.13	0.065

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0				
4.0				
7.0				
10.0				

C-REF-NO 101  
 CONS. NO 031  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-42-57N  
 LON 080-09-57W

YEAR 1967  
 MONTH 06  
 DAY 01  
 TIME 1303

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	3.5	10.58	1.2	323	8.560	92.5	12.31		0.040
4.0		10.14	1.4	324	8.590	92.0	13.34		0.030
7.0		8.91	1.4	321	8.660	92.0	14.33		0.033
10.0		8.65	1.6	323	8.680	92.0	13.34		0.025

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	300E00	100E01
4.0				
7.0	000E00			
10.0	000E00	000E00	110E01	600E00

C-REF-NO 101  
 CONS. NO 032  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-37-21N  
 LON 080-12-57W

YEAR 1967  
 MONTH 06  
 DAY 01  
 TIME 1322

NO. DEPTHS 03  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	3.5	11.57	1.2	324	8.680	92.0	12.66		0.037
4.0		11.27	1.3	324	8.540	92.5	12.28		
7.0		10.54	1.5	323	8.540	92.5	12.51		0.065

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	200E00	700E00
4.0				
7.0	000E00	000E00	100E01	800E00

C-REF-NO 101
CONS. NO 033
COUNTRY 18
INSTITUTE 22

LAT 42-38-09N  
 LON 080-05-21W

YEAR 1967  
 MONTH 06  
 DAY 01  
 TIME 1528

NO. DEPTHS 10  
 SOUNDING 0320  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	3.0	11.62	1.3	322	8.590	95.0	13.20		0.040
4.0		9.84	1.3	320	8.640	94.0	14.39		0.047
7.0		9.05	1.2	322	8.640	94.0	14.58		0.040
10.0		9.02	1.6	321	8.590	94.0	13.89		
13.0		8.19	1.6	325	8.440	93.0	13.17		0.055
16.0		6.78	1.3	325	8.310	93.0	13.02		0.035
19.0		6.41	2.4	327	8.190	93.0	13.04		0.042
22.0		6.06	2.6	329	8.190	93.0	13.04		0.045
25.0		5.55	2.4	327	8.120	92.0	12.64		0.055
28.0		4.60	3.4	327	8.030		12.34		

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00		
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00	100E00	200E01	800E00
25.0				
28.0				



C-REF-NO 101
CONS. NO 034
COUNTRY 18
INSTITUTE 22

LAT 42-37-48N  
LON 079-56-06W

YEAR 1967  
MONTH 06  
DAY 01  
TIME 1706

NO. DEPTHS 12  
SOUNDING 0439  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R S102
1.0	3.5	8.12	2.2	327	8.430	89.0	14.71	0.040
4.0		7.39	2.4	325	8.410	88.0	14.34	0.045
7.0		6.10	2.7	327	8.360	90.0	13.89	0.045
10.0		6.01	1.9	323	8.300	89.0	13.55	0.053
13.0		5.84	2.2	327	8.260	90.0	13.40	0.056
16.0		5.53	1.8	327	8.180	91.0	13.11	0.050
19.0		5.19	2.1	329	8.160	91.0	12.92	0.060
22.0		5.17	1.8	325	8.150	90.0	12.97	0.060
25.0		4.97	1.7	322	8.160	89.0	12.89	0.063
28.0		5.19	2.1	330	8.130	93.5	12.86	0.065
31.0		5.00	2.0	330	8.130	93.0	12.87	0.070
37.0		4.56	3.0	328	8.010	93.0	12.58	0.125

DEPTH	MF CUL	MF STR	SPC 20	SPC 35
1.0	000E00	880E01	400E01	660E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00			
25.0				
28.0				
31.0				
37.0	000E00	100E00	200E01	240E01

C-REF-NO 101
CONS. NO 035
COUNTRY 18
INSTITUTE 22

LAT 42-34-42N  
 LGN 080-01-18W

YEAR 1967  
 MONTH 06  
 DAY 01  
 TIME 1933

NO. DEPTHS 13  
 SOUNDING 0466  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SI02
1.0	3.5	9.11	2.4	328	8.400	81.0	13.58	0.025
4.0		8.33	2.3	323	8.420	81.0	13.80	0.025
7.0		7.02	2.2	326	8.420	81.0	13.66	0.035
10.0		6.76	2.4	325	8.320	82.0	13.28	0.037
13.0		6.72	2.3	324	8.270	82.0	13.14	0.025
16.0		6.21	2.6	327	8.200	82.5	12.70	0.025
19.0		5.28	2.3	328	8.150	82.5	12.42	0.030
22.0		5.38	2.4	328	8.140	81.0	12.39	
25.0		5.06	2.3	327	8.120	83.0	12.37	0.045
28.0		4.87	2.4	327	8.090	83.0	11.92	
31.0		4.87	2.4	327	8.080	83.0	11.90	0.045
37.0		4.70	2.4	329	8.110	83.0	12.43	
43.0		4.37	4.5	329	8.070	83.0	11.75	0.120

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	100E00	500E01	160E01
4.0				
7.0				
10.0				
13.0				
16.0				
19.0				
22.0	100E00			
25.0				
28.0				
31.0				
37.0				
43.0	000E00	000E00	100E01	420E01

C-REF-NO 101
CONS. NO 036
COUNTRY 18
INSTITUTE 22

LAT 42-30-36N  
LON 080-10-06W

YEAR 1967  
MONTH 06  
DAY 01  
TIME 2121

NO. DEPTHS 11  
SOUNDING 0366  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	3.5	11.72	2.1	325	8.460	85.0	12.89		0.065
4.0		9.60	2.5	326	8.440	86.0	12.98		0.050
7.0		8.73	2.2	327	8.460	84.0	12.86		0.090
10.0		7.97	1.9	326	8.410	82.0	12.89		0.060
13.0		7.29	1.8	327	8.320	86.0	12.89		0.037
16.0		6.97	1.6	326	8.290	85.0	12.60		0.020
19.0		6.24	1.6	327	8.250	86.0	12.52		0.025
22.0		6.23	2.0	325	8.210	87.0	12.61		0.040
25.0		5.82	3.0	327	8.220	86.0	12.05		0.190
28.0		5.16	3.8	329	8.080	87.0	11.67		0.145
31.0		5.13	5.5	329	8.000	87.5	11.31		0.220

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	100E01	320E02
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00			
25.0				
28.0				
31.0	000E00	000E00	500E01	198E02

C-REF-NO	101
CONS. NO	037
COUNTRY	18
INSTITUTE	22

LAT 42-28-18N  
LON 080-01-27W

YEAR 1967  
MONTH 06  
DAY 01  
TIME 2326

NO. DEPTHS 15  
SOUNDING 0622  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0	3.0	12.34	1.8	321	8.480	79.0	13.96		0.075
4.0		9.24	2.8	324	8.540	80.0	14.84		0.090
7.0		7.14	2.1	324	8.440	82.0	14.01		0.120
10.0		6.80	2.0	327	8.360	82.0	13.23		0.060
13.0		6.54	2.1	324	8.300	82.5	12.80		0.045
16.0		6.01	1.4	327	8.180	83.0	12.31		
19.0		5.65	1.7	311	8.140	83.0	11.75		
22.0		5.26	1.8	307	8.110	86.0	12.26		
25.0		5.43	1.8	307	8.120	83.0	12.29		0.045
28.0		5.02	1.7	310	8.090	84.0	12.17		
31.0		4.95		312	8.060	84.0	11.49		
37.0		4.86		313	8.050	85.0	12.29		0.050
43.0		4.69		312	8.080	84.0	11.79		0.095
49.0		4.59		325	8.030	85.0	11.26		
55.0		4.45		327	7.990	85.5	11.72		0.065

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	100E00	100E00	100E01	300E02
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00			
25.0				
28.0				
31.0				
37.0				
43.0				
49.0				
55.0	000E00	000E00	600E01	900E01

C-REF-NO 101
CONS. NO 038
COUNTRY 18
INSTITUTE 22

LAT 42-31-24N  
 LON 079-53-18W

YEAR 1967  
 MONTH 06  
 DAY 02  
 TIME 0112

NO. DEPTHS 15  
 SOUNDING 0640  
 BT SLIDE NO 003

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0		13.41	1.6	319	8.580	84.0	13.54		0.135
4.0		9.01	2.2	322	8.750	84.0	15.05		0.030
7.0		8.17	2.6	324	8.510	86.0	13.25		0.037
10.0		7.38	2.2	325	8.330	86.0	12.58		0.050
13.0		6.82	1.5	325	8.290	86.0	12.46		0.030
16.0		6.30	1.3	328	8.230	87.0	12.34		0.045
19.0		6.22	1.0	329	8.250	87.5	12.73		0.040
22.0		4.97	1.6	327	8.140	89.0	12.63		0.055
25.0		4.88	2.0	326	8.280	90.0	12.60		
28.0									
37.0		4.74	1.7	325	8.110	88.0	12.48		0.065
43.0		4.63	1.8	329	8.100	90.0	12.54		0.075
49.0		4.54	1.5	327	8.090	91.0	12.40		0.085
55.0		4.38	2.4	327	8.040	89.0	11.90		0.080
61.0		4.32	2.8	327	8.020	90.0	12.13		0.150

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	400E01	720E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0				
25.0	000E00			
28.0				
37.0				
43.0				
49.0				
55.0				
61.0	000E00	000E00	200E01	800E00

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0		93.1	25.2	36.500	8.000	1.300	12.400
4.0							
7.0							
10.0		93.1	24.2	36.500	8.000	1.300	11.800
13.0							
16.0							
19.0		93.6	27.4	36.800	8.000	1.300	12.000
22.0							
25.0							
28.0		93.6	27.2	36.700	8.000	1.300	12.000
37.0		94.3	24.0	37.000	8.000	1.300	11.900
43.0							
49.0							
55.0		93.9	24.8	37.200	8.000	1.300	11.800
61.0							

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.001	0.000	0.000	0.010	0.027	0.001	0.001	0.010
4.0								
7.0								
10.0	0.000	0.000	0.000	0.014	0.029	0.003	0.002	0.014
13.0								
16.0								
19.0	0.001	0.000	0.000	0.003	0.031	0.005	0.002	0.010
22.0								
25.0								
28.0	0.000	0.000	0.000	0.005	0.032	0.000	0.001	0.016
37.0	0.000	0.000	0.000	0.008	0.040	0.006	0.001	0.014
43.0								
49.0								
55.0	0.000	0.000	0.000	0.010	0.065	0.001	0.001	0.008
61.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.002	0.155	0.080	5	26.0	124.0	1.7
4.0							2.3
7.0							2.9
10.0	0.002	0.160	0.012	5	25.5	124.0	1.9
13.0							0.9
16.0							0.6
19.0	0.002	0.170	0.016	5	25.0	124.8	0.4
22.0							0.4
25.0							0.4
28.0	0.002	0.165	0.017	5	25.0	124.5	
37.0	0.003	0.150	0.012	5	25.0	125.3	0.2
43.0							0.3
49.0							0.2
55.0	0.002	0.175	0.012	5	25.0	125.8	0.3
61.0							0.3

C-REF-NO 101
CONS. NO 039
COUNTRY 18
INSTITUTE 22

LAT 42-30-15N  
LON 079-37-21W

YEAR 1967  
MONTH 06  
DAY 02  
TIME 0539

NO. DEPTHS 13  
SOUNDING 0457  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		11.68	1.2	323	8.520	102.0	12.99		0.065
4.0		10.31	1.3	330	8.500	102.0	12.58		0.080
7.0		9.22	1.1	323	8.520	101.0	13.14		0.055
10.0		8.16	1.3	325	8.440	101.0	12.46		0.060
13.0		5.41	1.3	326	8.230	100.0	12.73		0.065
16.0		5.05	1.4	328	8.200	101.0	12.58		0.075
19.0		4.76	1.7	323	8.180	101.0	12.54		0.080
22.0		4.55	1.4	326	8.120	101.0	12.86		0.085
25.0		4.36	1.4	324	8.150	100.0	12.76		0.070
28.0		4.30	1.9	324	8.120	100.0	12.69		0.085
31.0		4.30	2.2	324	8.110	100.0	12.78		0.130
37.0		4.26	2.0	324	8.110	100.0	12.54		0.140
43.0		4.24	3.3	327	8.090	95.0	12.20		0.265

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	180E01	600E00
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00			
25.0				
28.0				
31.0				
37.0				
43.0	000E00	000E00	180E01	160E01

C-REF-NO 101  
 CONS. NO 040  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-24-15N  
 LON 079-33-51W

YEAR 1967  
 MONTH 06  
 DAY 02  
 TIME 0726

NO. DEPTHS 08  
 SOUNDING 0256  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0		7.47	2.2	325	8.270	100.0	12.87		0.035
4.0		7.23	2.2	329	8.310	100.0	12.39		0.042
7.0		6.60	1.9	329	8.290	99.0	13.20		0.045
10.0		6.32	1.9	325	8.260	99.0	13.11		0.050
13.0		5.71	2.2	326	8.240	98.0	13.02		0.063
16.0		4.69	1.8	328	8.150	99.0	12.72		0.087
19.0		4.71	2.8	324	8.100	100.0	12.69		0.095
22.0		4.67	2.5	328	8.100	100.0	12.70		0.097

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	120E01	600E00
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00	000E00	680E01	160E01

C-REF-NO 101  
 CONS. NO 041  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-20-21N  
 LON 079-39-00W

YEAR 1967  
 MONTH 06  
 DAY 02  
 TIME 0833

NO. DEPTHS 05  
 SOUNDING 0174  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0		11.00	2.1	327	8.330	104.0	12.73		0.053
4.0		8.21	1.5	324	8.360	104.0	13.33		0.070
7.0		7.72	2.4	328	8.340	103.0	13.37		0.050
10.0		6.32	2.3	327	8.280	104.0	12.98		0.065
13.0		5.81	2.7	327	8.170	104.0	12.52		0.080

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	400E01	800E00
4.0				
7.0	000E00			
10.0				
13.0	000E00	340E01	500E01	600E00



C-REF-NO 101
CONS. NO 042
COUNTRY 18
INSTITUTE 22

LAT 42-24-54N  
LON 079-41-42W

YEAR 1967  
MONTH 06  
DAY 02  
TIME 0935

NO. DEPTHS 12  
SOUNDING 0384  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0		9.85	2.0	324	8.430	104.0	13.25		0.035
4.0		8.46	1.8	325	8.460	103.0	13.86		0.080
7.0		8.20	2.2	325	8.460	93.0	13.72		0.265
10.0		7.20	2.2	327	8.410	94.0	13.36		0.050
13.0		5.47	2.2	329	8.230	96.0	13.04		0.050
16.0		4.56	2.4	324	8.150	102.0	13.05		0.050
19.0		4.40	2.2	327	8.150	103.0	13.04		0.037
22.0		4.28	2.3	323	8.140	104.0	13.01		0.055
25.0		4.32	2.5	327	8.070	106.0	13.04		
28.0		4.27	3.2	325	8.090	103.0	13.02		0.087
31.0		4.25	2.8	324	8.090	105.0	12.89		
37.0		4.11	2.2	327	8.070	103.0	12.78		0.153

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	200E01	120E01	260E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00			
25.0				
28.0				
31.0				
37.0	000E00	500E00	800E00	120E01

C-REF-NO 101
CONS. NO 043
COUNTRY 18
INSTITUTE 22

LAT 42-20-06N  
LON 079-46-24W

YEAR 1967  
MONTH 06  
DAY 02  
TIME 1103

NO. DEPTHS 11  
SOUNDING 0366  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SI02
1.0	3.3	9.38	2.0	326	8.460	93.0	13.40	0.030
4.0		9.29	2.2	324	8.410	93.0	13.43	0.030
7.0		8.78	2.4	324	8.430	94.0	13.48	0.025
10.0		8.11	1.7	325	8.370	95.0	13.14	0.040
13.0		7.49	2.0	328	8.310	94.0	13.04	0.025
16.0		7.11	1.8	327	8.280	94.0	12.73	0.055
19.0		6.62	1.8	328	8.220	95.0	12.58	0.038
22.0		6.46	3.1	327	8.170	93.0	12.46	0.045
25.0		6.27	1.7	326	8.170	95.0	12.51	0.055
28.0		5.78	2.1	327	8.180	96.0	12.51	0.052
31.0		5.51	3.4	328	8.140	97.0	12.81	0.090

DEPTH	MF CUL	MF STR	SPC 20	SPC 35
1.0	000E00	260E01	400E01	160E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00			
25.0				
28.0				
31.0	000E00	200E01	200E01	200E01

C-REF-NO 101  
 CONS. NO 044  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-15-09N  
 LON 079-51-18W

YEAR 1967  
 MONTH 06  
 DAY 02  
 TIME 1234

NO. DEPTHS 04  
 SOUNDING 0140  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	4.0	10.35	1.0	326	8.390	92.0	12.66		0.050
4.0		8.82	1.1	326	8.380	95.0	12.96		0.060
7.0		8.46	0.9	324	8.380	93.0	13.11		0.060
10.0		8.68	1.0	327	8.380	93.0	13.05		0.072

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	680E01	140E01
4.0				
7.0	000E00			
10.0	000E00	000E00	380E01	200E01

C-REF-NO 101  
 CONS. NO 045  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-20-33N  
 LON 079-55-06W

YEAR 1967  
 MONTH 06  
 DAY 02  
 TIME 1350

NO. DEPTHS 11  
 SOUNDING 0356  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	4.0	12.07	0.8	323	8.510	95.0	12.64		0.028
4.0		10.41	0.8	323	8.600	93.0	13.72		0.030
7.0		9.68	0.8	325	8.570	95.0	13.64		0.030
10.0		9.05	1.0	323	8.540	95.0	13.49		0.030
13.0		7.60	1.0	325	8.440	95.0	12.87		0.030
16.0		5.78	0.8	325	8.320	94.0	13.19		0.030
19.0		4.69	0.8	329	8.200	96.0	13.05		0.030
22.0		4.51	1.1	327	8.150	96.0	13.17		0.042
25.0		4.51	1.1	325	8.160	97.0	13.13		0.040
28.0		4.44	1.2	328	8.120	96.0	13.13		0.055
31.0		4.47	1.5	327	8.120	92.0	12.99		0.072

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	220E01	200E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00			
25.0				
28.0				
31.0	000E00	000E00	260E01	600E00

C-REF-NO 101  
 CONS. NO 046  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-20-45N  
 LON 080-02-30W

YEAR 1967  
 MONTH 06  
 DAY 02  
 TIME 1530

NO. DEPTHS 10  
 SOUNDING 0320  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0	4.5	11.71	0.7	325	8.500	95.0	12.72	0.032
4.0		10.44	1.1	323	8.580	93.0	12.89	0.030
7.0		9.92	1.1	324	8.560	94.0	13.42	0.030
10.0		9.51	1.3	326	8.470	94.0	12.45	0.025
13.0		8.85	0.7	325	8.420	93.0	12.73	0.022
16.0		5.49	1.4	325	8.170	95.0	12.75	0.020
19.0		4.83	1.2	327	8.080	95.0	12.69	0.045
22.0		4.70	1.7	330	8.060	96.0	12.54	0.045
25.0		4.90	2.0	331	8.060	96.0	12.73	0.040
28.0		4.68	1.5	309	8.060	94.0	12.54	0.050

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	100E00	600E01	
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00			
25.0				
28.0	000E00	000E00	140E01	

C-REF-NO 101  
 CONS. NO 047  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-15-36N  
 LON 079-59-39W

YEAR 1967  
 MONTH 06  
 DAY 02  
 TIME 1500

NO. DEPTHS 06  
 SOUNDING 0183  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0	4.5	12.46	1.1	307	8.460	92.0	12.20	0.150
4.0		10.33	1.3	308	8.510	93.0	12.92	0.056
7.0		9.84	1.4	325	8.480	92.0	12.22	0.035
10.0		9.60	1.4	330	8.450	93.0	12.80	0.040
13.0		8.94	1.2	326	8.390	95.0	12.52	0.105
16.0		7.23	1.5	322	8.380	95.0	12.37	0.050

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	600E00	
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	100E00	640E01	

C-REF-NO 101  
 CONS. NO 048  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-13-45N  
 LON 079-55-33W

YEAR 1967  
 MONTH 06  
 DAY 02  
 TIME 1551

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	5.0	11.29	1.4	325	8.470	92.0	12.89		
4.0		9.55	1.4	323	8.510	93.0	13.42		0.042
7.0		8.70	1.7	327	8.470	93.0	13.01		0.042
10.0		7.84	2.0	325	8.360	88.0	12.73		0.042

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	100E02	
4.0				
7.0	000E00			
10.0	000E00	100E00	500E01	

C-REF-NO 101  
 CONS. NO 049  
 COUNTRY 18  
 INSTITUTE 22

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

YEAR 1967  
 MONTH 06  
 DAY 02  
 TIME 1846

NO. DEPTHS 04  
 SOUNDING 0130  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	4.0	11.84	1.6	330	8.330	95.0	12.25		0.062
4.0		9.81	1.9	331	8.360	93.0	12.75		
7.0		8.54	1.8	328	8.310	95.0	12.58		0.050
10.0		8.45	1.8	326	8.310	93.0	12.45		0.055

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	400E00	300E01	
4.0				
7.0	600E00			
10.0	700E00	500E00	140E02	

C-REF-NO 101
CONS. NO 050
COUNTRY 18
INSTITUTE 22

LAT 42-10-57N  
LON 080-02-48W

YEAR 1967  
MONTH 06  
DAY 02  
TIME 2011

NO. DEPTHS 04  
SOUNDING 0128  
BT SLIDE NO 004

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	2.5	10.53	1.8	335	8.420	92.0	12.92		0.050
4.0		9.34	2.0	335	8.370	93.0	12.64		0.050
7.0		8.79	2.2	338	8.340	94.0	12.36		0.030
10.0		8.35	2.2	338	8.360	95.0	12.23		0.050

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	100E01	000E00	110E02	
4.0				
7.0	170E01			
10.0	150E01	608E02	250E02	

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0		91.6	25.2	37.700	8.000	1.400	13.000
4.0							
7.0							
10.0							

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.004	0.041	0.000	0.001	0.014
4.0								
7.0								
10.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.002	0.155	0.012	5	26.5	127.0	1.1
4.0							1.4
7.0							0.5
10.0							0.8

C-REF-NO 101  
 CONS. NO 051  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-14-03N  
 LON 080-03-30W

YEAR 1967  
 MONTH 06  
 DAY 02  
 TIME 2118

NO. DEPTHS 06  
 SOUNDING 0192  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	4.5	10.75	2.0	323	8.500	96.0	12.67		0.035
4.0		10.48	2.0	316	8.520	94.0	12.75		0.040
7.0		9.75	1.8	337	8.500	95.0	12.67		0.095
10.0		9.35	1.7	335	8.450	94.0	12.45		0.055
13.0		8.63	1.6	337	8.330	94.0	11.82		0.050
16.0		8.25	1.6	335	8.200	96.0	11.25		0.060

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	100E00	400E01	
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	800E01	

C-REF-NO 101  
 CONS. NO 052  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-15-30N  
 LON 080-07-12W

YEAR 1967  
 MONTH 06  
 DAY 02  
 TIME 2212

NO. DEPTHS 09  
 SOUNDING 0283  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	5.0	11.18	1.6	325	8.460	93.0	12.57		0.035
4.0		10.94	1.5	320	8.460	94.0	12.70		0.060
7.0		10.56	1.9	320	8.450	93.0	12.69		0.060
10.0		9.78	1.5	323	8.500	92.0	12.93		0.010
13.0		9.41	1.5	321	8.460	94.0	12.63		0.010
16.0		8.74	1.6	322	8.420	93.0	12.20		0.005
19.0		8.17	2.0	327	8.290	93.0	11.69		0.010
22.0		8.08	2.2	320	8.270	94.0	11.64		0.025
25.0		8.09	6.0	323	8.260	94.0	11.66		0.100

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	100E00	000E00	400E01	
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00			
25.0	000E00	000E00	800E00	

C-REF-NO 101  
 CONS. NO 053  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-12-39N  
 LON 080-07-33W

YEAR 1967  
 MONTH 06  
 DAY 02  
 TIME 2301

NO. DEPTHS 06  
 SOUNDING 0192  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	4.5	13.47	2.0	323	8.460	93.0	12.19		0.015
4.0		10.81	2.1	320	8.460	94.0	12.67		0.007
7.0		10.06	2.7	321	8.500	93.0	12.20		0.035
10.0		9.64	2.1	322	8.460	96.0	12.78		0.035
13.0		9.22	1.8	322	8.440	94.0	12.16		0.015
16.0		8.13	1.8	321	8.210	94.0	11.37		0.035

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	100E01	
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	420E01	

C-REF-NO 101  
 CONS. NO 054  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-10-06N  
 LON 080-09-09W

YEAR 1967  
 MONTH 06  
 DAY 02  
 TIME 2350

NO. DEPTHS 03  
 SOUNDING 0091  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		11.22	1.2	308	8.440	94.0	12.07		0.020
4.0		10.84	1.1	323	8.440	93.0	11.90		0.015
7.0		10.39	1.2	321	8.450	93.0	12.02		0.010

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	100E00	000E00	200E01	
4.0				
7.0	100E00		180E01	



C-REF-NO 101  
 CONS. NO 055  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-07-54N  
 LON 080-12-06W

YEAR 1967  
 MONTH 06  
 DAY 03  
 TIME 0026

NO. DEPTHS 03  
 SOUNDING 0082  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	4.0	12.41	1.0	326	8.420	93.0	12.20		0.030
4.0		10.74	1.0	323	8.430	93.0	12.20		0.070
7.0		9.97	1.2	328	8.450	94.0	12.66		0.030

DEPTH	MF CUL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	100E01	
4.0				
7.0	200E00	000E00	180E01	

C-REF-NO 101  
 CONS. NO 056  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-06-27N  
 LON 080-16-24W

YEAR 1967  
 MONTH 06  
 DAY 03  
 TIME 0103

NO. DEPTHS 03  
 SOUNDING 0100  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		11.27	1.4	327	8.440	93.0	11.98		0.045
4.0		11.09	1.2	326	8.400	94.0	12.67		0.045
7.0		9.44	1.4	328	8.450	94.0	12.51		0.050

DEPTH	MF CUL	MF STR	SPC 20	SPC 35
1.0	450E01	400E00	840E01	
4.0				
7.0	000E00	000E00	400E01	

C-REF-NO 101  
 CONS. NO 057  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-11-15N  
 LON 080-11-45W

YEAR 1967  
 MONTH 06  
 DAY 03  
 TIME 0158

NO. DEPTHS 07  
 SOUNDING 0201  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0		14.57	1.3	324	8.380	93.0	11.70	0.035
4.0		10.94	1.2	325	8.440	94.0	12.45	0.025
7.0		10.11	1.3	325	8.450	94.0	12.40	0.030
10.0		9.86	1.2	327	8.430	93.0	12.52	0.035
13.0		9.38	1.4	323	8.330	95.0	11.92	0.045
16.0		8.16	1.4	325	8.210	95.0		0.065
19.0		7.96	1.2	323	8.100	95.0	11.20	0.075

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	100E00	200E01	
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	120E01	500E01	

C-REF-NO 101  
 CONS. NO 058  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-22-15N  
 LON 080-19-03W

YEAR 1967  
 MONTH 06  
 DAY 03  
 TIME 0348

NO. DEPTHS 09  
 SOUNDING 0274  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0		12.17	1.4	322	8.580	92.0	13.28	0.030
4.0		11.20	1.1	318	8.590	92.0	13.80	0.035
7.0		9.70	1.3	323	8.580	92.0	13.99	0.035
10.0		8.96	2.1	328	8.470	88.0	13.17	0.040
13.0		7.93	2.2	329	8.410	92.5	13.19	0.045
16.0		7.23	1.5	326	8.390	83.0	13.19	0.035
19.0		6.94	1.6	330	8.330	89.0	13.10	0.025
22.0		6.48	2.1	328	8.290	93.0	13.02	0.060
25.0		6.11	2.2	329	8.180	93.0	12.73	0.075

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	200E01	600E00
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00			
25.0	000E00	000E00	300E01	600E00

C-REF-NO 101  
 CONS. NO 059  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-29-36N  
 LON 080-18-00W

YEAR 1967  
 MONTH 06  
 DAY 03  
 TIME 0512

NO. DEPTHS 07  
 SOUNDING 0238  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0		11.56	2.5	332	8.480	94.0	12.45		0.018
4.0		8.82	2.2	329	8.630	94.0	15.69		0.022
7.0		7.22	1.8	329	8.410	94.0	13.66		0.045
10.0		7.16	2.3	313	8.300	93.0	12.73		0.040
13.0		7.10	2.3	333	8.250	94.0	12.76		0.035
16.0		6.97	2.0	324	8.290	94.0	12.73		0.055
19.0		6.76	2.7	326	8.290	93.0	12.63		0.065

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	160E01	400E00
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	000E00	180E01	

C-REF-NO 101  
 CONS. NO 060  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-33-03N  
 LON 080-25-27W

YEAR 1967  
 MONTH 06  
 DAY 03  
 TIME 0623

NO. DEPTHS 03  
 SOUNDING 0119  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0		12.24	2.7	324	8.600	90.0	13.40		0.045
4.0		12.12	2.8	324	8.650	92.0	13.39		0.050
7.0		9.14	2.8	326	8.610	90.0	13.99		0.050

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0				
4.0				
7.0				

C-REF-NO 101  
 CONS. NO 061  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-30-12N  
 LON 080-34-00W

YEAR 1967  
 MONTH 06  
 DAY 03  
 TIME 0738

NO. DEPTHS 05  
 SOUNDING 0155  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0		12.90	2.4	321	8.470	88.0	11.70	0.040
4.0		12.06	2.8	324	8.440	88.0	11.63	0.050
7.0		10.98	2.4	325	8.430	88.0	11.76	0.050
10.0		10.77	3.0	320	8.400	89.0	11.51	0.055
13.0		10.65	3.0	320	8.370	88.0	11.17	0.050

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	200E00	140E01
4.0				
7.0	000E00			
10.0				
13.0	000E00	000E00	240E01	200E01

C-REF-NO 101  
 CONS. NO 062  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-23-09N  
 LON 080-35-27W

YEAR 1967  
 MONTH 06  
 DAY 03  
 TIME 0858

NO. DEPTHS 07  
 SOUNDING 0210  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0		12.85	1.8	319	8.390	94.0	11.64	0.020
4.0		11.99	1.7	318	8.390	94.0	11.69	0.035
7.0		10.19	1.7	317	8.420	93.0	12.07	0.047
10.0		9.90	2.0	318	8.420	94.0	12.05	0.047
13.0		9.70	2.1	318	8.380	93.0	11.92	0.050
16.0		8.34	1.5	318	8.160	93.0	11.22	0.097
19.0		8.20	1.7	318	8.140	94.0	10.79	0.140

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	480E01	140E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	000E00	320E01	180E01

C-REF-NO 101  
 CONS. NO 063  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-24-00N  
 LON 080-50-54W

YEAR 1967  
 MONTH 06  
 DAY 03  
 TIME 1044

NO. DEPTHS 06  
 SOUNDING 0201  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0	5.5	12.71	1.7	316	8.330	96.0	11.82		0.035
4.0		11.09	1.7	315	8.370	96.0	12.14		0.045
7.0		10.16	1.7	315	8.410	96.0	12.29		0.040
10.0		9.96	1.8	314	8.380	96.0	12.26		0.040
13.0		9.60	1.8	317	8.310	96.0	12.11		0.042
16.0		8.18	1.7	314	8.360	95.0	11.28		0.078

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	100E00	260E01	800E00
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	200E01	300E01

C-REF-NO 101  
 CONS. NO 064  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-33-51N  
 LON 080-41-27W

YEAR 1967  
 MONTH 06  
 DAY 03  
 TIME 1222

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0	3.0	13.52	2.6	320	8.470	97.0	11.79		0.037
4.0		13.14	3.0	323	8.460	97.0	11.81		0.045
7.0		10.78	3.0	321	8.500	99.0	12.19		0.052
10.0		10.64	2.9	323	8.490	99.0	12.01		0.050
13.0		10.28	3.0	323	8.500	98.0	12.13		0.055

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	700E00	280E01	100E01
4.0				
7.0	000E00			
10.0				
13.0	000E00	000E00	240E01	600E00

C-REF-NO 101  
 CONS. NO 065  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-36-51N  
 LON 080-50-00W

YEAR 1967  
 MONTH 06  
 DAY 03  
 TIME 1321

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0	3.5	14.31	2.6	319	8.420	92.0	11.11	0.045
4.0		11.49	2.2	318	8.410	92.0	11.39	0.035
7.0		10.86	3.0	319	8.400	92.0	11.29	0.042
10.0		10.74	2.8	318	8.370	92.5	11.45	0.048

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	120E01	100E01
4.0				
7.0	000E00			
10.0	000E00	000E00	120E01	140E01

C-REF-NO 101  
 CONS. NO 066  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-34-45N  
 LON 080-58-06W

YEAR 1967  
 MONTH 06  
 DAY 03  
 TIME 1429

NO. DEPTHS 05  
 SOUNDING 0155  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0	6.0	13.03	2.5	316	8.420	92.0	11.61	0.015
4.0		12.93	2.4	316	8.450	92.0	11.58	0.015
7.0		11.00	2.5	316	8.490	92.0	12.13	0.020
10.0		10.78	1.9	316	8.480	92.5	12.05	0.023
13.0		10.27	2.3	318	8.420	92.0	11.63	0.025

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	300E00	160E01	000E00
4.0				
7.0	000E00			
10.0				
13.0	000E00	350E01	200E01	180E01

C-REF-NO 101  
 CONS. NO 067  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-37-48N  
 LON 081-05-18W

YEAR 1967  
 MONTH 06  
 DAY 03  
 TIME 1536

NO. DEPTHS 04  
 SOUNDING 0119  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0	2.0	14.98	4.5	323	8.420	93.0	11.07		0.060
4.0		14.98	4.6	322	8.440	93.0	10.99		0.060
7.0		12.07	4.4	322	8.440	93.0	11.16		0.055
10.0		11.71	3.7	322	8.420	93.0	11.17		0.087

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0				
4.0				
7.0				
10.0				

C-REF-NO 101  
 CONS. NO 068  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-54-54N  
 LON 081-33-48W

YEAR 1967  
 MONTH 06  
 DAY 04  
 TIME 0053

NO. DEPTHS 07  
 SCUNDING 0228  
 BT SLIDE NO 005

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0	2.5	13.70	2.1	324	8.560	88.0	13.04		0.075
4.0		11.80	2.1	325	8.700	89.0	13.27		0.065
7.0		10.58	2.3	325	8.650	88.0	13.19		0.080
10.0		10.17	2.3	323	8.450	88.0	11.76		0.060
13.0		10.14	1.9	325	8.360	89.0	11.48		0.062
16.0		9.68	2.0	323	8.330	88.0	11.60		0.055
19.0		9.57	2.0	325	8.310	88.0	11.55		0.070

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	400E01	600E00
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	000E00	200E00	300E01

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0		90.6	26.7	37.900	8.200	1.300	12.700
4.0							
7.0							
10.0		92.1	25.0	37.800	8.200	1.300	12.700
13.0							
16.0							
19.0		91.6	24.4	37.000	8.100	1.300	12.000

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.006	0.019	0.001	0.001	0.014
4.0								
7.0								
10.0	0.000	0.000	0.000	0.032	0.024	0.004	0.001	0.008
13.0								
16.0								
19.0	0.000	0.000	0.000	0.016	0.023	0.009	0.002	0.016

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.002	0.155	0.012	5	26.0	128.4	0.7
4.0							1.4
7.0							1.3
10.0	0.002	0.170	0.010	5	26.0	128.1	1.4
13.0							1.2
16.0							0.7
19.0	0.002	0.155	0.014	5	25.0	125.7	0.4

C-REF-NO 101
CONS. NO 069
COUNTRY 18
INSTITUTE 22

LAT 42-02-39N  
LON 081-23-57W

YEAR 1967  
MONTH 06  
DAY 04  
TIME 0327

NO. DEPTHS 07  
SOUNDING 0228  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0		12.39	0.7	323	8.360	88.0	11.92	0.055
4.0		10.60	0.6	320	8.420	88.0	12.39	0.060
7.0		9.58	0.7	321	8.430	90.0	12.64	0.050
10.0		9.46	0.9	321	8.400	91.0	12.36	0.057
13.0		9.24	0.8	320	8.350	97.0	12.13	0.070
16.0		9.09	0.7	322	8.330	89.0	11.87	0.048
19.0		9.01	0.6	321	8.290	91.0	11.70	0.070

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	200E00	200E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	100E00	000E00	200E01	120E01



C-REF-NO 101  
 CONS. NO 070  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-04-06N  
 LON 081-09-12W

YEAR 1967  
 MONTH 06  
 DAY 04  
 TIME 0350

NO. DEPTHS 08  
 SOUNDING 0238  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0		12.77	0.4	324	8.340	93.0	12.05	0.055
4.0		12.63	0.6	324	8.360	94.0	11.76	0.050
7.0		9.83	0.5	325	8.360	98.0	12.52	0.045
10.0		9.56	0.7	323	8.400	91.0	12.51	0.030
13.0		9.39	0.5	322	8.380	95.0	12.42	0.040
16.0		9.13	0.6	321	8.330	95.0	12.07	0.035
19.0		9.06	0.8	323	8.260	96.0	11.69	0.045
22.0		8.48	1.1	325	7.960	97.0	10.28	0.260

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	120E01	400E00
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00	000E00	540E01	600E00

C-REF-NO 101  
 CONS. NO 071  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-15-12N  
 LON 081-16-09W

YEAR 1967  
 MONTH 06  
 DAY 04  
 TIME 0606

NO. DEPTHS 08  
 SOUNDING 0238  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0		12.96	1.5	318	8.400	99.0	11.61	0.040
4.0		12.54	1.9	319	8.330	99.0	11.67	0.045
7.0		9.82	2.0	318	8.370	100.0	12.51	0.047
10.0		9.16	2.2	320	8.370	100.0	12.36	0.050
13.0		8.98	1.7	318	8.340	99.0	12.23	0.045
16.0		8.89	2.7	316	8.330	99.0	12.14	0.047
19.0		8.85	2.3	319	8.330	99.0	11.86	0.055
22.0		8.45	1.9	319	8.180	103.0	11.32	0.060

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	180E01	200E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00	000E00	400E01	140E02

C-REF-NO 101  
 CONS. NO 072  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-15-33N  
 LON 081-33-30W

YEAR 1967  
 MONTH 06  
 DAY 04  
 TIME 0754

NO. DEPTHS 07  
 SOUNDING 0219  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0		13.10	1.5	314	8.560	86.0	13.04	0.085
4.0		12.27	1.5	313	8.620	86.0	13.22	0.065
7.0		10.13	1.7	311	8.350	88.0	12.43	0.075
10.0		10.12	1.9	313	8.280	88.0	11.52	0.090
13.0		10.01	1.5	313	8.250	88.0	11.43	0.068
16.0		9.81	1.6	314	8.240	88.0	11.42	0.095
19.0		9.04	1.7	313	8.120	87.0	10.84	0.120

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	800E00	620E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	000E00	200E01	180E01

C-REF-NO 101  
 CONS. NO 073  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-05-51N  
 LON 081-41-21W

YEAR 1967  
 MONTH 06  
 DAY 04  
 TIME 0936

NO. DEPTHS 08  
 SOUNDING 0238  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0		13.13	1.8	312	8.040	89.0	13.28	0.110
4.0		13.24	1.7	312	8.690	90.0	12.96	0.080
7.0		12.84	1.9	312	8.630	89.0	12.98	0.075
10.0		10.67	2.1	314	8.260	90.0	11.22	0.075
13.0		10.65	3.5	299	8.200	91.0	11.16	0.085
16.0		10.59	1.7	313	8.230	90.0	11.07	0.085
19.0		10.54	1.8	299	8.220	89.0	11.07	0.085
22.0		9.97	2.0	296	8.090	88.0	10.49	0.190

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	180E01	300E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0				
22.0	000E00	000E00	106E02	

C-REF-NO 101  
 CONS. NO 074  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-10-57N  
 LON 081-52-15W

YEAR 1967  
 MONTH 06  
 DAY 04  
 TIME 1102

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SID2
1.0	4.5	13.23	0.7	313	8.430	88.0	11.70	0.040
4.0		13.03	0.8	313	8.430	88.0	11.37	0.038
7.0		11.05	0.8	315	8.420	90.0	11.86	0.035
10.0		10.63	0.8	317	8.290	90.0	11.23	0.030
13.0		10.54	0.8	317	8.240	90.0	10.87	0.060

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00		600E01	
4.0				
7.0	000E00			
10.0				
13.0	000E00	000E00	100E02	

C-REF-NO 101  
 CONS. NO 075  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-16-03N  
 LON 081-47-54W

YEAR 1967  
 MONTH 06  
 DAY 04  
 TIME 1200

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SID2
1.0	3.5	13.97	1.0	315	8.460	92.5	11.57	0.070
4.0		13.86	0.9	315	8.450	93.0	11.54	0.070
7.0		11.64	1.0	317	8.440	93.0	11.55	0.085
10.0		11.30	1.1	320	8.300	93.0	10.66	0.150

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0				
4.0				
7.0				
10.0				

C-REF-NO 101  
 CONS. NO 076  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-21-36N  
 LON 081-47-39W

YEAR 1967  
 MONTH 06  
 DAY 04  
 TIME 1305

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0	4.0	14.18	0.9	317	8.430	93.0	11.17		0.060
4.0		14.06	0.9	318	8.430	94.0	11.22		0.060
7.0		13.17	1.0	318	8.420	94.0	11.34		0.065
10.0		12.01	1.3	319	8.380	94.0	11.07		0.067

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0				
4.0				
7.0				
10.0				

C-REF-NO 101  
 CONS. NO 077  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-26-18N  
 LON 081-39-09W

YEAR 1967  
 MONTH 06  
 DAY 04  
 TIME 1405

NO. DEPTHS 04  
 SOUNDING 0119  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0	4.0	14.39	1.0	317	8.450	93.0	10.61		0.052
4.0		14.15	1.1	317	8.400	93.0	11.05		0.060
7.0		11.96	2.6	319	8.410	94.0	11.37		0.065
10.0		11.44	2.5	319	8.370	93.0	10.95		0.075

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	100E00	000E00	200E01	
4.0				
7.0				
10.0	000E00	000E00	420E01	

C-REF-NO 101  
 CONS. NO 078  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-25-15N  
 LON 081-23-18W

YEAR 1967  
 MONTH 06  
 DAY 04  
 TIME 1544

NO. DEPTHS 07  
 SOUNDING 0201  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0	5.0	13.05	1.7	309	8.560	93.0	12.83		0.030
4.0		12.68	1.7	312	8.550	95.0	12.75		0.040
7.0		10.62	2.0	312	8.510	95.0	12.66		0.027
10.0		10.09	1.8	310	8.440	94.0	11.98		0.030
13.0		9.85	1.7	313	8.300	94.0	11.52		0.035
16.0		9.66	1.8	313	8.290	93.0	11.23		0.035
19.0		8.71	1.7	312	8.010	93.0	10.04		0.160

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	000E00	900E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	000E00	600E00	260E01

C-REF-NO 101  
 CONS. NO 079  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-33-24N  
 LON 081-28-15W

YEAR 1967  
 MONTH 06  
 DAY 04  
 TIME 1649

NO. DEPTHS 04  
 SOUNDING 0137  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0	3.5	14.69	3.0	320	8.450	97.0	11.31		0.045
4.0		13.83	3.3	321	8.480	97.0	11.17		0.060
7.0		12.18	3.2	321	8.440	97.0	11.45		0.045
10.0		11.95	2.5	321	8.440	97.0	11.48		0.045

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0				
4.0				
7.0				
10.0				

C-REF-NO 101  
 CONS. NO 080  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-35-12N  
 LON 081-14-24W

YEAR 1967  
 MONTH 06  
 DAY 04  
 TIME 2104

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0	5.5	14.39	2.0	318	8.470	97.5	11.52	0.050
4.0		13.30	2.0	318	8.460	98.0	11.78	0.042
7.0		11.36	2.1	314	8.460	99.0	12.07	0.050
10.0		10.87	2.3	318	8.450	97.0	11.86	0.055

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	500E00	300E00	120E01	800E00
4.0				
7.0	000E00			
10.0	100E00	000E00	000E00	100E01

C-REF-NO 101  
 CONS. NO 081  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-25-00N  
 LON 081-06-30W

YEAR 1967  
 MONTH 06  
 DAY 04  
 TIME 2235

NO. DEPTHS 06  
 SOUNDING 0192  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0	4.0	14.17	2.1	314	8.550	96.0	12.73	0.050
4.0		13.05	2.2	312	8.570	95.0	13.04	0.042
7.0		10.88	2.4	310	8.610	96.0	13.57	0.053
10.0		9.77	2.5	311	8.550	96.0	13.34	0.055
13.0		9.50	2.4	313	8.420	97.0	11.63	0.050
16.0		9.31	2.8	314	8.350	97.0	11.98	0.032

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	360E01	000E00	260E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	100E01	360E01

C-REF-NO 101  
 CONS. NO 082  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-15-42N  
 LON 081-00-09W

YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 0015

NO. DEPTHS 07  
 SOUNDING 0219  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	6.0	13.15	2.0	318	8.380	95.0	11.61		0.050
4.0		12.28	2.0	319	8.390	95.0	11.78		0.040
7.0		9.95	2.0	318	8.460	96.0	12.25		0.045
10.0		9.59	2.1	318	8.470	95.0	12.76		0.040
13.0		9.32	3.5	318	8.430	95.0	12.17		0.044
16.0		9.03	2.7	317	8.390	96.0	11.92		0.042
19.0		7.90	2.7	319	8.070	95.0	10.66		0.040

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	100E00	600E00	260E02
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	000E00	140E01	340E01

C-REF-NO 101  
 CONS. NO 083  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-13-00N  
 LON 080-43-57W

YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 0200

NO. DEPTHS 07  
 SOUNDING 0210  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		14.36	0.4	329	8.340	96.0	11.25		0.030
4.0		12.31	0.4	326	8.370	95.0	11.60		0.023
7.0		10.08	0.6	319	8.410	96.0	12.14		0.020
10.0		9.74	0.5	325	8.420	96.0	12.13		0.020
13.0		9.48	0.6	327	8.410	96.0	12.07		0.020
16.0		9.21	0.5	317	8.330	96.0	11.90		0.025
19.0		8.13	0.6	322	8.120	96.0	11.14		0.095

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	180E01	320E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	100E00	440E01	400E01

C-REF-NO 101  
 CONS. NO 084  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-11-57N  
 LON 080-28-00W

YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 0321

NO. DEPTHS 07  
 SOUNDING 0201  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SI02
1.0		13.79	0.3	326	8.380	90.0	11.60	0.025
4.0		12.52	0.5	322	8.400	90.0	11.78	0.027
7.0		10.34	0.5	329	8.440	89.0	12.45	0.032
10.0		9.71	0.6	325	8.450	91.0	12.61	0.035
13.0		9.40	0.5	330	8.420	91.0	12.08	0.028
16.0		9.21	0.6	322	8.340	89.0	11.82	0.012
19.0		8.37	0.5	328	8.160	90.0	11.13	0.012

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	300E01	600E00
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	000E00	140E01	800E00

C-REF-NO 101  
 CONS. NO 085  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-06-48N  
 LON 080-24-12W

YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 0433

NO. DEPTHS 06  
 SOUNDING 0183  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SI02
1.0		15.11	0.6	303	8.440	91.0	11.76	0.010
4.0		12.72	0.3	321	8.510	91.0	12.22	0.015
7.0		10.34	0.6	320	8.500	91.0	11.87	0.018
10.0		10.06	0.4	320	8.470	91.0	12.52	0.022
13.0		9.79	0.5	321	8.420	91.0	11.78	0.032
16.0		9.37	0.6	319	8.350	91.0	11.58	0.030

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	400E00	100E00	240E01	130E02
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	240E01	800E00



C-REF-NO 101  
 CONS. NO 086  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-01-51N  
 LON 080-29-00W  
 YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 0526

NO. DEPTHS 04  
 SOUNDING 0119  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		12.26	0.7	323	8.590	92.5	12.54		0.030
4.0		10.42	0.5	325	8.590	92.5	13.23		0.032
7.0		9.40	0.6	325	8.460	93.0	12.20		0.050
10.0		8.71	1.0	325	8.230	92.5	11.43		0.070

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	300E00	240E01	600E00
4.0				
7.0	000E00			
10.0	000E00	000E00	680E01	600E00

C-REF-NO 101  
 CONS. NO 087  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-02-51N  
 LON 080-35-42W  
 YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 0617

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		14.23	0.6	324	8.510	93.0	11.87		0.020
4.0		11.20	0.6	323	8.600	92.5	12.64		0.020
7.0		10.21	0.6	322	8.540	92.0	12.51		0.022
10.0		9.79	0.5	321	8.400	94.0	11.92		0.025
13.0		9.39	0.5	320	8.330	93.0	11.22		0.020

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	300E01	130E02
4.0				
7.0	000E00			
10.0				
13.0	000E00	000E00	280E01	600E00

C-REF-NO 101  
 CONS. NO 088  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-57-18N  
 LON 080-41-33W

YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 0726

NO. DEPTHS 04  
 SOUNDING 0130  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		11.22	0.6	324	8.570	93.0	12.39		0.035
4.0		11.19	2.1	323	8.530	93.0	12.61		0.040
7.0		11.16	1.2	324	8.540	93.0	12.64		0.040
10.0		10.01	1.1	321	8.530	93.0	12.64		0.038

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	400E00	620E01	260E01
4.0				
7.0	000E00			
10.0	000E00	210E01	200E01	720E02

C-REF-NO 101  
 CONS. NO 089  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-57-39N  
 LON 080-49-57W

YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 0823

NO. DEPTHS 06  
 SOUNDING 0183  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		12.25	1.1	327	8.540	93.0	12.28		0.041
4.0		12.20	1.1	328	8.550	93.0	12.45		0.044
7.0		11.69	1.3	323	8.550	93.0	12.66		0.048
10.0		10.04	0.9	324	8.490	93.0	12.37		0.044
13.0		9.78	0.7	327	8.470	93.0	12.17		0.045
16.0		8.57	1.2	323	8.130	93.0	10.67		0.170

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	200E00	520E01	200E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	240E01	960E01

C-REF-NO 101  
 CONS. NO 090  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-02-57N  
 LON 080-52-45W

YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 0927

NO. DEPTHS 07  
 SOUNDING 0219  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0		13.27	0.9	319	8.420	93.0	11.17	0.048
4.0		13.16	0.8	322	8.440	93.0	11.84	0.055
7.0		11.27	0.7	317	8.430	94.0	11.78	0.048
10.0		9.75	0.7	320	8.430	93.0	12.14	0.050
13.0		9.40	0.8	320	8.430	93.0	12.26	0.050
16.0		9.21	1.0	318	8.410	93.0	11.82	0.050
19.0		8.85	1.1	321	8.250	92.0	11.40	0.082

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	280E01	360E02
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	100E00	240E01	210E02

C-REF-NO 101  
 CONS. NO 091  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-58-15N  
 LON 080-57-12W

YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 1038

NO. DEPTHS 07  
 SOUNDING 0210  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0	4.5	13.48	1.1	326	8.470	95.0	11.89	0.050
4.0		13.45	0.9	326	8.490	94.0	11.86	0.040
7.0		11.44	1.1	324	8.480	96.0	12.26	0.035
10.0		10.00	1.1	323	8.450	96.0	11.98	0.040
13.0		9.75	1.2	322	8.410	95.0	12.02	0.040
16.0		9.46	0.8	321	8.360	96.0	11.86	0.030
19.0		8.84	1.2	321	8.230	95.0	10.88	0.032

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	000E00	660E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	000E00	800E00	800E01

C-REF-NO 101  
 CONS. NO 092  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-53-27N  
 LON 080-54-12W  
 YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 1130

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R S102
1.0	4.0	10.77	1.6	329	8.500	94.0	12.52	0.120
4.0		10.75	1.7	326	8.540	95.0	12.25	0.042
7.0		10.72	1.6	325	8.540	95.0	12.25	0.052
10.0		9.55	1.6	325	8.440	95.0	11.02	0.048

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	200E01	700E02
4.0				
7.0	000E00			
10.0	000E00	000E00	340E01	360E01

C-REF-NO 101  
 CONS. NO 093  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-52-06N  
 LON 081-02-00W  
 YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 1226

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R S102
1.0	4.0	12.35	1.6	328	8.560	91.0	11.48	0.035
4.0		12.30	1.5	327	8.580	92.0	12.07	0.040
7.0		9.97	1.4	325	8.570	92.0	12.40	0.045
10.0		9.69	0.5	321	8.460	92.0	11.79	0.050
13.0		8.99	0.7	320	8.230	92.0	10.69	0.110

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	240E01	600E01
4.0				
7.0	000E00			
10.0				
13.0	000E00	200E00	000E00	110E02

C-REF-NO 101  
 CONS. NO 094  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-53-48N  
 LON 081-10-12W  
 YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 1323

NO. DEPTHS 07  
 SOUNDING 0201  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	5.0	13.17	0.6	322	8.570	93.0	11.86		0.040
4.0		12.23	0.6	322	8.550	94.0	11.99		0.032
7.0		10.69	0.6	324	8.540	92.5	12.13		0.037
10.0		10.05	0.4	322	8.530	93.0	11.93		0.035
13.0		9.84	0.6	324	8.440	94.0	11.92		0.025
16.0		8.99	0.6	325	8.290	94.0	10.93		0.135
19.0		8.93	0.6	324	8.190	94.0	10.54		

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00		300E01	960E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	000E00	440E01	150E02

C-REF-NO 101  
 CONS. NO 095  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-53-54N  
 LON 081-18-00W  
 YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 1422

NO. DEPTHS 07  
 SOUNDING 0210  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	4.5	13.65	0.4	324	8.550	94.0	12.08		0.048
4.0		12.19	0.7	326	8.570	94.0	12.52		0.035
7.0		10.82	0.5	322	8.570	94.0	12.51		0.037
10.0		10.08	0.4	321	8.520	94.0	12.40		0.042
13.0		9.94	0.4	323	8.450	95.0	11.82		0.048
16.0		9.68	0.3	321	8.390	95.0	11.58		0.037
19.0		9.19	0.6	321	8.210	95.0	11.25		0.115

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	100E00	000E00	140E01	280E01
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	000E00	400E01	400E01

C-REF-NO 101  
 CONS. NO 096  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-48-33N  
 LON 081-14-33W

YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 1530

NO. DEPTHS 05  
 SOUNDING 0155  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	4.0	12.18	0.7	322	8.610	92.0	12.84		0.045
4.0		11.66	0.8	323	8.610	92.0	13.25		0.045
7.0		9.94	0.9	323	8.600	92.0	13.34		0.045
10.0		9.02	0.8	324	8.220	92.0	11.14		0.125
13.0		8.93	0.9	324	8.080	92.0	10.26		

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	150E02	
4.0				
7.0	000E00			
10.0				
13.0	000E00	110E01	130E02	

C-REF-NO 101  
 CONS. NO 097  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-49-06N  
 LON 081-22-30W

YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 1626

NO. DEPTHS 06  
 SOUNDING 0183  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	3.0	12.35	1.0	324	8.660	90.0	13.07		0.055
4.0		10.96	1.0	324	8.640	90.0	12.39		0.055
7.0		9.81	0.7	322	8.550	89.0	12.48		0.053
10.0		9.63	0.7	326	8.380	91.0	12.02		0.055
13.0		9.31	0.7	325	8.200	91.0	11.08		0.115
16.0		9.03	0.9	324	8.090	91.0	10.61		0.190

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	500E01	
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	170E02	

C-REF-NO 101  
 CONS. NO 098  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-44-03N  
 LON 081-27-03W

YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 1728

NO. DEPTHS 04  
 SOUNDING 0137  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	3.0	12.70	0.8	339	8.610	91.0	12.93		0.050
4.0		12.65	1.0	338	8.660	91.0	13.01		0.055
7.0		10.47	1.0	339	8.580	91.0	13.14		0.052
10.0		9.56	1.2	324	8.290	91.0	11.64		0.085

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	160E02	
4.0				
7.0	000E00	000E00	100E02	
10.0				

C-REF-NO 101  
 CONS. NO 099  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-44-30N  
 LON 081-35-03W

YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 1821

NO. DEPTHS 06  
 SOUNDING 0183  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	3.5	13.82	0.9	323	8.670	89.0	12.89		0.060
4.0		12.81	0.8	323	8.710	89.0	13.20		0.065
7.0		10.29	0.9	324	8.550	88.0	12.99		0.075
10.0		10.10	0.8	324	8.390	88.0	11.72		0.073
13.0		9.90	0.6	326	8.310	88.0	11.26		0.065
16.0		9.53	0.7	326	8.210	87.0	11.01		0.115

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	200E00	220E01	
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	340E01	

C-REF-NO 101  
 CONS. NO 100  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-45-06N  
 LON 081-43-36W

YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 1923

NO. DEPTHS 07  
 SOUNDING 0210  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0	3.5	17.23	0.7	327	8.650	93.0	12.57	0.035
4.0		13.09	1.0	326	8.710	93.0	13.40	0.047
7.0		10.77	1.0	327	8.620	92.0	13.20	0.040
10.0		10.40	0.7	330	8.350	93.0	11.58	0.030
13.0		10.29	0.7	328	8.330	93.0	11.49	0.040
16.0		10.09	0.6	329	8.290	94.0	11.31	0.042
19.0		9.30	0.7	328	8.160	94.0	10.70	0.175

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	900E00	170E02	
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	000E00	170E02	

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

LAT 41-39-51N  
 LON 081-47-03W

YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 2030

NO. DEPTHS 06  
 SOUNDING 0190  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0	3.0	13.96	1.3	332	8.860	96.0	13.69	0.040
4.0		14.21	1.7	331	8.880	96.0	13.95	0.045
7.0		11.00	1.7	336	8.580	96.0	12.05	0.035
10.0		10.83	1.7	336	8.370	96.0	11.22	0.025
13.0		10.34	1.7	336	8.310	94.0	10.84	0.035
16.0		10.22	1.7	336	8.270	95.0	11.04	0.050

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	600E00	000E00	100E02	
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	120E02	



C-REF-NO 101  
 CONS. NO 102  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-37-12N  
 LON 081-45-21W  
 YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 2111

NO. DEPTHS 06  
 SOUNDING 0183  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	3.0	15.37	1.4	334	8.570	97.0	12.81		0.035
4.0		12.97	1.4	336	8.660	97.5	13.27		0.042
7.0		11.57	1.6	336	8.550	97.0	12.01		0.035
10.0		11.31	1.7	336	8.300	97.0	11.08		0.045
13.0		11.05	1.7	335	8.340	97.0	10.70		0.050
16.0		9.97	2.4	341	8.150	97.0	10.19		0.195

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	500E01	
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	900E01	

C-REF-NO 101  
 CONS. NO 103  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-37-03N  
 LON 081-41-42W  
 YEAR 1967  
 MONTH 06  
 DAY 05  
 TIME 2203

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	3.0	14.09	2.2	341	8.610	91.0	12.90		0.040
4.0		13.05	1.7	348	8.610	90.0	12.96		0.040
7.0		11.37	1.7	343	8.530	91.0	12.40		0.030
10.0		10.26		332	8.410	91.0	11.52		0.030
13.0		9.64	1.0	334	8.090	92.0	10.92		0.072

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	750E01	000E00	140E02	
4.0				
7.0	100E01			
10.0				
13.0	000E00	000E00	160E02	

C-REF-NO 101
CONS. NO 104
COUNTRY 18
INSTITUTE 22

LAT 41-39-33N  
LON 081-40-51W

YEAR 1967  
MONTH 06  
DAY 05  
TIME 2243

NO. DEPTHS 06  
SOUNDING 0183  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0	3.0	15.56	1.1	336	8.610	89.0	13.04	0.040
4.0		13.34	1.1	333	8.650	88.0	13.52	0.055
7.0		11.52	0.9	331	8.580	89.0	13.11	0.042
10.0		10.21	0.6	333	8.300	89.0	11.89	0.047
13.0		10.04	0.5	332	8.240	88.0	11.58	0.055
16.0		9.54	0.7	332	8.180	88.0	11.23	0.060

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	180E02	
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00	150E02	

C-REF-NO 101
CONS. NO 105
COUNTRY 18
INSTITUTE 22

LAT 41-37-09N  
LON 081-37-57W

YEAR 1967  
MONTH 06  
DAY 05  
TIME 2323

NO. DEPTHS 05  
SOUNDING 0165  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0	3.0	14.51	1.0	342	8.580	92.0	11.98	0.145
4.0		13.20	1.1	341	8.620	92.0	12.05	0.065
7.0		10.90	0.6	328	8.260	92.0	11.84	0.055
10.0		9.70	0.6	315	8.240	92.0	11.02	0.055
13.0		9.50	0.9	329	8.120	92.5	10.61	0.107

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	140E02	
4.0				
7.0	000E00			
10.0				
13.0	100E00	000E00	160E02	

C-REF-NO 101  
 CONS. NO 106  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-39-18N  
 LON 081-35-12W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 0006

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	3.0	14.47	0.9	347	8.530	91.0	12.67		0.035
4.0		13.95	1.0	328	8.360	91.0	12.58		0.035
7.0		11.39	1.0	336	8.500	91.0	12.43		0.035
10.0		9.93	0.7	313	8.290	90.0	11.40		0.055
13.0		9.53	0.7	330	8.140	90.0	10.69		0.125

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	800E01	
4.0				
7.0	000E00			
10.0				
13.0	000E00	000E00	100E02	

C-REF-NO 101  
 CONS. NO 107  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-39-09N  
 LON 081-31-15W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 0041

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		12.74	1.1	338	8.500	90.0	12.34		0.030
4.0		11.24	0.8	318	8.450	90.0	12.07		0.032
7.0		9.99	0.8	315	8.360	91.0	11.58		0.052
10.0		9.87	1.2	332	8.250	91.0	11.11		0.070

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	150E01	000E00	700E01	
4.0				
7.0	000E00			
10.0	000E00	000E00	700E01	

C-REF-NO 101  
 CONS. NO 108  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-36-57N  
 LON 081-34-03W  
 YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 0113

NO. DEPTHS 04  
 SOUNDING 0119  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0		14.62	1.2	368	8.500	90.0	12.04		0.098
4.0		11.96	1.0	349	8.580	91.0	12.81		0.035
7.0		9.98	0.9	340	8.390	91.0	11.04		0.045
10.0		9.97	1.0	332	8.170	91.0	10.61		0.070

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	100E03	100E01	500E02	
4.0				
7.0	800E01			
10.0	900E01	000E00	230E02	

C-REF-NO 101  
 CONS. NO 109  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-34-48N  
 LON 081-36-27W  
 YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 0145

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0		15.46	1.5	376	8.580	88.0	12.89		0.075
4.0		12.50	1.1	364	8.520	90.0	12.36		0.047
7.0		11.22	1.0	356	8.410	90.0	11.70		0.045
10.0		10.15	1.0	337	8.120	91.0	10.37		0.075

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	610E02	100E00	270E02	
4.0				
7.0	300E02			
10.0	850E01	000E00	170E02	

C-REF-NO 101  
 CONS. NO 110  
 COUNTRY 18  
 INSTITUTÉ 22

LAT 41-34-36N  
 LON 081-39-42W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 0213

NO. DEPTHS 04  
 SOUNDING 0137  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0		14.52	1.0	363	8.620	88.0	12.83		0.035
4.0		14.38	1.0	364	8.600	89.0	12.89		0.030
7.0		12.08	0.8	359	8.510	89.0	12.40		0.030
10.0		10.75	0.7	349	8.330	89.0	11.55		0.025

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	100E02	000E00	160E02	200E02
4.0				
7.0	420E01			
10.0	300E00	000E00	150E02	800E01

C-REF-NO 101  
 CONS. NO 111  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-34-42N  
 LON 081-43-48W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 0256

NO. DEPTHS 05  
 SOUNDING 0155  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0		14.17	0.9	355	8.710	87.5	13.37		0.032
4.0		13.92	0.9	353	8.680	88.0	13.37		0.037
7.0		11.43	0.7	346	8.480	89.0	12.28		0.022
10.0		10.70	0.6	342	8.340	90.0	11.55		0.025
13.0		10.54	0.5	339	8.300	91.0	11.58		0.025

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	100E00	000E00	240E02	800E01
4.0				
7.0	000E00			
10.0				
13.0	000E00	000E00	190E02	700E01

C-REF-NO 101
CONS. NO 112
COUNTRY 18
INSTITUTE 22

LAT 41-32-00N  
LON 081-41-54W

YEAR 1967  
MONTH 06  
DAY 06  
TIME 1538

NO. DEPTHS 04  
SOUNDING 0110  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0		14.75	1.2	381	8.510	90.0	12.45	0.070
4.0		12.95	1.0	378	8.410	89.0	11.64	0.055
7.0		11.47	0.7	366	8.330	88.0	11.26	0.035
10.0		11.31	1.0	367	8.100	88.0	10.08	0.057

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	230E02	000E00	890E02	320E03
4.0				
7.0	350E01			
10.0	100E02	000E00	450E02	400E02

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0		88.4	30.7	42.000	8.700	1.600	17.700
4.0							
7.0							
10.0							

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.020	0.133	0.003	0.003	0.027
4.0								
7.0								
10.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.006	0.170	0.017	5	39.4	140.7	0.0
4.0							1.1
7.0							0.6
10.0							0.4

C-REF-NO 101  
 CONS. NO 113  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-30-24N  
 LON 081-45-00W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 0438

NO. DEPTHS 03  
 SOUNDING 0107  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		16.09	1.0	371	8.750	92.0	13.66		0.025
4.0		12.07	1.0	372	8.340	92.0	11.04		0.010
7.0		11.86	0.8	371	8.300	92.0	10.79		0.010

DEPTH	MF CUL	MF STR	SPC 20	SPC 35
1.0	255E02	300E00	290E02	600E02
4.0				
7.0	700E01	000E00	900E01	320E02

C-REF-NO 101  
 CONS. NO 114  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-32-06N  
 LON 081-45-39W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 0522

NO. DEPTHS 05  
 SOUNDING 0137  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		16.82	2.1	366	8.970	92.0	14.92		0.018
4.0		14.60	2.2	365	8.750	92.0	13.39		0.012
7.0		11.38	2.0	355	8.400	92.0	11.37		0.015
10.0		11.15	2.0	358	8.330	92.0	10.93		0.015
13.0		10.79	2.3	353	8.070	93.0	9.78		0.085

DEPTH	MF CUL	MF STR	SPC 20	SPC 35
1.0	150E01	000E00	800E01	160E02
4.0				
7.0	100E01			
10.0				
13.0	300E01	000E00	150E02	100E02

C-REF-NO 101  
 CONS. NO 115  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-35-03N  
 LON 081-47-30W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 0612

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0		14.99	1.2	348	8.720	91.0	12.73	0.015
4.0		14.31	1.4	342	8.720	91.0	12.66	0.020
7.0		11.73	1.5	341	8.480	91.0	11.60	0.015
10.0		11.08	1.6	346	8.380	90.0	11.52	0.015
13.0		10.99	1.3	347	8.360	91.0	11.07	0.015

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00	120E02	130E02
4.0				
7.0	000E00			
10.0				
13.0	000E00	000E00	170E02	110E02

C-REF-NO 101  
 CONS. NO 116  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-32-09N  
 LON 081-49-30W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 0659

NO. DEPTHS 05  
 SOUNDING 0150  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0		17.51	2.5	355	9.010	95.0	15.02	0.105
4.0		16.07	2.1	345	9.020	97.0	14.81	0.065
7.0		12.09	2.1	351	8.170	97.0	9.81	0.045
10.0		11.73	2.3	354	8.200	98.0	9.93	0.078
13.0		11.23	1.9	353	8.370	97.5	10.79	0.040

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	400E00	000E00	130E02	150E02
4.0				
7.0	100E01			
10.0				
13.0	500E00	000E00	120E02	100E02



C-REF-NO 101
CONS. NO 117
COUNTRY 18
INSTITUTE 22

LAT 41-30-51N  
LON 081-47-45W

YEAR 1967  
MONTH 06  
DAY 06  
TIME 0740

NO. DEPTHS 04  
SOUNDING 0119  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0		17.04	2.3	363	8.750	97.0	15.02	0.065
4.0		16.95	2.0	362	8.880	98.0	14.42	0.095
7.0		12.04	2.0	355	8.460	97.5	10.78	0.040
10.0		11.80	2.0	354	8.350	97.0	10.70	0.045

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	350E01	000E00	380E02	100E02
4.0				
7.0	900E00			
10.0	300E00	000E00		120E02

C-REF-NO 101
CONS. NO 118
COUNTRY 18
INSTITUTE 22

LAT 41-29-39N  
LON 081-51-57W

YEAR 1967  
MONTH 06  
DAY 06  
TIME 0851

NO. DEPTHS 03  
SOUNDING 0119  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0		15.08	2.3	350	8.510	97.0	11.64	0.070
4.0		14.89	2.4	371	8.500	96.0	11.69	0.060
7.0		12.72	2.3	365	8.320	96.0	10.41	0.050

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	520E02	900E00		
4.0				
7.0	880E02	500E00		

C-REF-NO 101  
 CONS. NO 119  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-30-27N  
 LON 081-55-33W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 0926

NO. DEPTHS 03  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0		15.05	2.2	349	8.580	97.0	12.46	0.075
4.0		14.37	2.6	352	8.510	98.0	10.51	0.040
7.0		12.85	2.3	345	8.300	101.0	9.70	0.125

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	100E01	000E00		
4.0				
7.0	320E01	000E00		

C-REF-NO 101  
 CONS. NO 120  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-32-27N  
 LON 081-53-48W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 0958

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0		17.83	2.5	340	8.870	91.0	14.92	0.065
4.0		16.46	2.5	328	8.880	96.0	14.42	0.070
7.0		12.81	2.8	330	8.400	98.0	9.96	0.055
10.0		12.67	2.4	331	8.290	100.0	10.23	0.075
13.0		12.41	2.1	336	8.270	102.0	10.08	0.125

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	100E00	000E00		
4.0				
7.0	000E00			
10.0				
13.0	000E00	000E00		

C-REF-NO 101  
 CONS. NO 121  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-34-39N  
 LON 081-53-24W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 1034

NO. DEPTHS 06  
 SOUNDING 0174  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0	2.5	15.12	2.4	327	8.730	88.0	12.51	0.074
4.0		14.21	2.3	334	8.670	89.0	11.81	0.060
7.0		12.81	2.0	340	8.510	88.0	11.23	0.060
10.0		12.36	1.4	338	8.320	89.0	10.07	0.075
13.0		12.19	1.9	344	8.310	88.0	10.38	0.070
16.0		12.09	2.5	348	8.160	87.0	9.52	

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	100E00	000E00		
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00		

C-REF-NO 101  
 CONS. NO 122  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-40-06N  
 LON 081-54-09W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 1151

NO. DEPTHS 07  
 SOUNDING 0201  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0	3.0	15.92	2.1	322	8.910	85.0	14.63	0.070
4.0		14.52	2.0	320	8.960	86.0	14.49	0.069
7.0		11.38	1.8	325	8.660	87.0	11.82	0.055
10.0		11.04	1.6	335	8.430	87.0	11.28	0.050
13.0		10.86	1.6	335	8.360	88.0	10.99	0.065
16.0		10.68	1.6	338	8.320	87.0	11.05	0.069
19.0		10.25	1.9	335	8.250	88.0	10.46	0.177

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00		
4.0				
7.0	600E00			
10.0				
13.0				
16.0				
19.0	000E00	000E00		

C-REF-NO 101  
 CONS. NO 123  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-35-27N  
 LON 081-59-18W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 1252

NO. DEPTHS 05  
 SOUNDING 0155  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0	2.0	17.42	2.7	317	8.930	82.0	14.78	0.057
4.0		16.66	2.5	317	8.960	80.0	14.13	0.060
7.0		13.31	2.5	314	8.220	93.0	9.44	0.055
10.0		13.11	2.7	316	8.300	92.5	9.93	0.055
13.0		12.89	2.4	317	8.240	91.0	9.52	0.113

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00		
4.0				
7.0	000E00	000E00		
10.0				
13.0	000E00	000E00		

C-REF-NO 101  
 CONS. NO 124  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-35-30N  
 LON 082-07-18W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 1356

NO. DEPTHS 05  
 SOUNDING 0155  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0	2.0	17.39	2.7	309	8.940	87.5	13.77	0.055
4.0		15.65	2.1	309	8.830	90.0	12.42	0.072
7.0		13.28	2.7	305	8.250	91.0	9.46	0.070
10.0		13.28	2.7	304	8.280	90.0	9.78	0.057
13.0		13.23	2.5	303	8.370	91.0	9.94	0.070

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00		
4.0				
7.0	000E00			
10.0				
13.0	000E00	000E00		

C-REF-NO 101  
 CONS. NO 125  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-31-24N  
 LON 082-04-39W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 1438

NO. DEPTHS 04  
 SOUNDING 0119  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0	2.5	15.95	2.4	333	8.660	91.0	11.22		0.050
4.0		15.73	2.2	334	8.650	91.0	11.43		0.048
7.0		13.41	2.3	308	8.360	91.0	9.85		0.051
10.0		13.29	2.2	312	8.370	91.0	9.73		0.040

DEPTH	MF CCL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00		
4.0				
7.0	400E00			
10.0	400E00	000E00		

C-REF-NO 101  
 CONS. NO 126  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-30-00N  
 LON 082-12-51W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 1530

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0	2.0	17.55	2.7	313	8.950	91.0	11.75		0.066
4.0		16.72	3.2	311	8.910	91.0	12.05		0.066
7.0		13.92	2.9	306	8.400	89.0	9.75		0.104
10.0		13.25	2.4	303	8.260	88.0	9.55		0.088

DEPTH	MF CCL	MF STR	SPC 20	SPC 35
1.0	000E00	100E00		
4.0				
7.0	000E00			
10.0	000E00	400E00		

C-REF-NO 101  
 CONS. NO 127  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-31-12N  
 LON 082-19-48W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 1621

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0	2.5	18.07	3.0	310	8.920	92.0	12.93	0.050
4.0		16.89	3.5	311	8.940	91.0	12.02	0.065
7.0		14.43	3.4	323	8.580	91.0	9.43	0.065
10.0		13.98	2.8	320	8.360	91.0	9.22	0.067

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00		
4.0				
7.0	000E00			
10.0	000E00	000E00		

C-REF-NO 101  
 CONS. NO 128  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-26-30N  
 LON 082-24-12W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 1714

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0	1.5	17.02	3.8	320	8.760	91.0	11.95	0.055
4.0		16.15	4.4	322	8.730	91.0	11.11	0.070
7.0		14.90	4.7	311	8.530	91.0	9.63	0.127
10.0		13.97	5.5	324	8.330	91.0	8.50	

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00		
4.0				
7.0	000E00			
10.0	000E00	000E00		

C-REF-NO 101  
 CONS. NO 129  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-25-54N  
 LON 082-33-09W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 1811

NO. DEPTHS 03  
 SOUNDING 0100  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	2.0	17.77	4.3	315	8.890	91.0	13.40		0.060
4.0		17.79	4.0	317	8.990	91.0	13.64		0.065
7.0		16.22	4.0	323	8.790	91.0	11.13		0.075

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	100E00	000E00		
4.0				
7.0	200E00	000E00		

C-REF-NO 101  
 CONS. NO 130  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-31-15N  
 LON 082-27-21W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 1905

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	1.5	18.14	4.4	325	8.930	92.0	12.25		0.090
4.0		17.44	4.5	318	8.880	92.0	11.61		0.077
7.0		14.95	4.3	304	8.640	91.0	9.46		0.075
10.0		13.83	3.0	296	8.430	91.0	8.47		0.086

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	700E00		
4.0				
7.0	000E00			
10.0	000E00	000E00		

C-REF-NO 101  
 CONS. NO 131  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-31-57N  
 LON 082-35-48W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 1959

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SID2
1.0	1.5	17.83	5.1	305	8.870	92.0	12.36	0.096
4.0		17.32	4.6	311	8.840	92.5	11.07	0.105
7.0		14.45	4.3	301	8.580	91.0	9.05	0.099
10.0		13.75	4.1	294	8.560	90.0	8.82	0.109

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00		
4.0				
7.0	000E00			
10.0	000E00	000E00		

C-REF-NO 101  
 CONS. NO 132  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-36-45N  
 LON 082-38-57W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 2053

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SID2
1.0	1.5	18.96	4.1	296	8.920	91.0	10.96	0.105
4.0		18.20	4.1	299	8.970	91.0	11.81	0.099
7.0		14.46	4.1	297	8.590	90.0	8.94	0.121
10.0		14.17	4.0	296	8.400	89.0	7.96	

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00		
4.0				
7.0	000E00			
10.0	000E00	000E00		



C-REF-NO 101  
 CONS. NO 133  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-36-24N  
 LON 082-31-42W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 2147

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	2.5	17.06	3.5	299	8.730	92.0	10.54		0.104
4.0		16.21	3.1	299	8.690	91.0	10.46		0.085
7.0		13.20	2.9	304	8.510	92.0	9.40		0.095
10.0		12.96	3.0	310	8.270	92.0	8.64		

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	200E00	500E00		
4.0				
7.0	000E00			
10.0	000E00	100E00		

C-REF-NO 101  
 CONS. NO 134  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-36-09N  
 LON 082-23-21W

YEAR 1967  
 MONTH 06  
 DAY 06  
 TIME 2246

NO. DEPTHS 04  
 SOUNDING 0137  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	2.0	17.65	3.5	301	8.780	92.0	11.23		0.130
4.0		16.75	3.7	302	8.800	92.0	11.04		0.140
7.0		13.75	1.8	298	8.280	90.0	8.97		0.080
10.0		13.73	1.6	296	8.340	90.0	9.02		0.090

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	100E00	000E00		
4.0				
7.0	000E00			
10.0	000E00	000E00		

C-REF-NO 101  
 CONS. NO 135  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-41-42N  
 LON 082-26-45W  
 YEAR 1967  
 MONTH 06  
 DAY 07  
 TIME 0009

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0	3.0	18.11	1.7	304	8.680	92.5	10.76	0.098
4.0		16.52	1.9	300	8.690	92.0	10.85	0.098
7.0		13.18	1.4	309	8.220	92.0	9.52	0.098
10.0		12.83	1.6	314	8.120	93.0	9.25	0.106

DEPTH	MF CUL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00		
4.0				
7.0	000E00			
10.0	100E00	000E00		

C-REF-NO 101  
 CONS. NO 136  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-42-00N  
 LON 082-34-54W  
 YEAR 1967  
 MONTH 06  
 DAY 07  
 TIME 0103

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0		18.33	1.9	301	8.680	92.0	10.57	0.071
4.0		17.34	2.0	297	8.730	92.0	10.95	0.065
7.0		14.91	1.7	287	8.630	91.0	10.19	0.067
10.0		13.68	1.4	273	8.510	87.0	8.88	0.053

DEPTH	MF CUL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00		
4.0				
7.0	000E00			
10.0	000E00	000E00		

C-REF-NO 101  
 CONS. NO 137  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-48-30N  
 LON 082-30-12W

YEAR 1967  
 MONTH 06  
 DAY 07  
 TIME 0201

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		17.53	1.4	273	8.920	90.0	11.40		0.065
4.0		17.55	1.2	273	8.930	88.0	11.35		0.055
7.0		16.53	1.4	275	8.850	89.0	11.19		0.065
10.0		14.15	1.1	286	8.450	90.0	8.69		0.075

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	400E00	100E00		
4.0				
7.0	000E00			
10.0	000E00	000E00		

C-REF-NO 101  
 CONS. NO 138  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-47-15N  
 LON 082-22-00W

YEAR 1967  
 MONTH 06  
 DAY 07  
 TIME 0256

NO. DEPTHS 04  
 SOUNDING 0138  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		17.24	1.4	310	8.460	92.5	10.48		0.075
4.0		16.03	1.4	306	8.460	92.5	10.61		0.098
7.0		12.92	1.4	307	8.360	92.5	10.45		0.102
10.0		12.46	1.5	305	8.190	92.5	9.48		0.098

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00		
4.0				
7.0	000E00			
10.0	000E00	000E00		

C-REF-NO 101  
 CONS. NO 139  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-46-15N  
 LON 082-14-33W

YEAR 1967  
 MONTH 06  
 DAY 07  
 TIME 0346

NO. DEPTHS 06  
 SOUNDING 0179  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0		17.19	1.3	305	8.590	92.0	11.46	0.100
4.0		16.83	1.3	304	8.630	92.0	11.67	0.100
7.0		13.37	1.9	317	8.150	92.0	9.58	0.050
10.0		13.29	1.6	319	8.160	92.0	9.38	0.050
13.0		12.95	1.4	315	8.200	92.0	9.63	0.052
16.0		12.76	1.7	314	8.230	92.0	9.63	0.102

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	100E00		
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	930E01		

C-REF-NO 101  
 CONS. NO 140  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-45-36N  
 LON 081-58-24W

YEAR 1967  
 MONTH 06  
 DAY 07  
 TIME 0518

NO. DEPTHS 07  
 SOUNDING 0210  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SIO2
1.0		16.25	1.5	316	8.730	89.0	13.64	0.075
4.0		16.15	1.4	317	8.830	89.0		0.070
7.0		13.32	1.6	320	8.570	90.0	12.28	0.078
10.0		11.83	1.3	319	8.180	90.0	10.22	0.088
13.0		11.64	1.4	317	8.160	92.0	10.32	0.094
15.0		11.56	1.3	314	8.110	92.0	10.51	0.105
18.0		11.48	1.4	318	8.170	92.0	10.37	0.147

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00		
4.0				
7.0	000E00			
10.0				
13.0				
15.0				
18.0	000E00	000E00		

C-REF-NO 101  
 CONS. NO 141  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-56-06N  
 LON 081-50-33W

YEAR 1967  
 MONTH 06  
 DAY 07  
 TIME 0649

NO. DEPTHS 07  
 SOUNDING 0228  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0		16.05	1.8	307	8.730	90.0	13.64		0.090
4.0		15.85	1.8	308	8.830	90.0	14.11		0.090
7.0		12.06	1.6	312	8.410	88.0	11.25		0.073
10.0		10.95	1.4	312	8.160	88.0	9.40		0.075
13.0		10.87	1.5	312	8.140	88.0	10.41		0.083
16.0		10.75	1.4	314	8.190	88.0	10.61		0.078
19.0		10.70	1.4	313	8.210	90.0	10.92		0.085

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	400E00		
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	100E00		

C-REF-NO 101  
 CONS. NO 142  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-57-27N  
 LON 082-06-00W

YEAR 1967  
 MONTH 06  
 DAY 07  
 TIME 0835

NO. DEPTHS 07  
 SOUNDING 0210  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0		16.80	1.2	306	8.450	94.0	10.61		0.090
4.0		16.85	1.1	307	8.500	91.0	10.69		0.120
7.0		12.73	1.3	306	8.520	90.0	12.01		0.085
10.0		11.84	1.3	310	8.300	90.0	10.34		0.080
13.0		11.63	1.1	312	8.220	90.0	10.10		0.075
16.0		11.42	1.3	312	8.200	90.0	10.11		0.080
19.0		11.26	0.6	311	8.000	90.0	9.34		0.240

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00		
4.0				
7.0	000E00			
10.0				
13.0				
16.0				
19.0	000E00	000E00		

C-REF-NO 101  
 CONS. NO 143  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-06-30N  
 LON 081-57-39W

YEAR 1967  
 MONTH 06  
 DAY 07  
 TIME 1006

NO. DEPTHS 06  
 SOUNDING 0192  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0		16.10	0.3	311	8.420	90.0	11.14	0.115
4.0		16.05	0.4	311	8.500	91.0	11.16	0.095
7.0		11.69	0.5	310	8.480	89.0	12.02	0.055
10.0		10.77	0.4	312	8.330	89.0	11.40	0.050
13.0		10.65	0.3	311	8.270	88.0	11.05	0.055
16.0		10.39	0.4	309	8.230	88.0	10.69	0.060

DEPTH	MF CUL	MF STR	SPC 20	SPC 35
1.0	000E00	100E00		
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	700E00		

C-REF-NO 101  
 CONS. NO 144  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-12-33N  
 LON 082-03-27W

YEAR 1967  
 MONTH 06  
 DAY 07  
 TIME 1111

NO. DEPTHS 04  
 SOUNDING 0142  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SIO2
1.0	4.5	16.22	0.4	309	8.490	87.5	11.22	0.110
4.0		15.38	0.4	309	8.540	88.0	11.28	0.085
7.0		12.71	0.5	312	8.470	91.0	11.66	0.065
10.0		11.25	0.5	317	8.410	92.0	10.75	0.065

DEPTH	MF CUL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00		
4.0				
7.0	000E00			
10.0	000E00	100E00		

C-REF-NO 101  
 CONS. NO 145  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-06-06N  
 LON 082-12-42W

YEAR 1967  
 MONTH 06  
 DAY 07  
 TIME 1233

NO. DEPTHS 06  
 SOUNDING 0192  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SI02
1.0	5.0	16.53	0.4	308	8.570	90.0	10.54	0.075
4.0		16.54	0.3	308	8.510	92.0	10.31	0.060
7.0		15.64	0.3	308	8.490	91.0	10.72	0.060
10.0		10.94	0.4	309	8.480	90.0	11.28	0.055
13.0		10.73	0.4	309	8.350	91.0	10.87	0.065
16.0		10.62	0.3	310	8.280	92.0	10.35	0.055

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	100E00		
4.0				
7.0	000E00			
10.0				
13.0				
16.0	000E00	000E00		

C-REF-NO 101  
 CONS. NO 146  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-05-15N  
 LON 082-23-57W

YEAR 1967  
 MONTH 06  
 DAY 07  
 TIME 1340

NO. DEPTHS 03  
 SOUNDING 0100  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R SI02
1.0	2.5	17.15	1.2	318	8.380	93.0	10.17	0.080
4.0		17.02	1.3	317	8.390	93.0	10.16	0.068
7.0		13.07	1.0	317	8.350	95.0	10.17	0.075

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0				
4.0				
7.0				

C-REF-NO 101  
 CONS. NO 147  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-56-45N  
 LGN 082-21-30W

YEAR 1967  
 MONTH 06  
 DAY 07  
 TIME 1452

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SID2
1.0	3.0	16.49	1.2	308	8.530	92.5	10.19	0.070
4.0		16.54	1.2	308	8.520	93.0	10.05	0.068
7.0		14.08	0.9	310	8.470	93.0	10.43	0.070
10.0		11.61	0.5	309	8.390	93.0	10.45	0.057
13.0		11.48	0.4	309	8.300	92.5	10.46	0.060

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	900E00		
4.0				
7.0	000E00			
10.0				
13.0	000E00	100E00		

C-REF-NO 101  
 CONS. NO 148  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-52-24N  
 LGN 082-26-18W

YEAR 1967  
 MONTH 06  
 DAY 07  
 TIME 1545

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SID2
1.0	3.0	17.13	0.7	279	8.830	89.0	10.85	0.090
4.0		17.16	0.7	279	8.880	88.0	10.85	0.070
7.0		13.07	1.0	303	8.600	92.0	10.38	0.080
10.0		12.36	0.8	315	8.170	95.0	8.75	0.168

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00		
4.0				
7.0	000E00			
10.0	100E00	000E00		



C-REF-NO 101  
 CONS. NO 149  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-55-09N  
 LON 082-57-00W

YEAR 1967  
 MONTH 06  
 DAY 07  
 TIME 1853

NO. DEPTHS 03  
 SOUNDING 0091  
 BT SLIDE NO 006

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0	3.5	18.16	1.0	287	8.540	89.0	9.99		0.120
4.0		17.84	1.0	302	8.620	90.0	9.90		0.085
7.0		17.26	1.3	313	8.570	92.0	9.37		0.115

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	100E00		
4.0				
7.0	000E00	000E00		

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0		89.6	21.6	35.300	7.900	1.200	10.900
4.0							
7.0							

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.003	0.065	0.002	0.001	0.016
4.0								
7.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.003	0.125	0.010	5	23.0	120.6	0.5
4.0							0.6
7.0							0.4

C-REF-NO 101  
 CONS. NO 150  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-53-30N  
 LON 083-11-33W

YEAR 1967  
 MONTH 06  
 DAY 07  
 TIME 2043

NO. DEPTHS 02  
 SOUNDING 0073  
 BT SLIDE NO 007

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R	SI02
1.0	2.0	19.39	1.2	257	8.840	82.0	12.52		0.099
4.0		18.53	0.9	236	8.760	82.0	10.81		0.140

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	100E00	000E00		
4.0	000E00	000E00		

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0		83.2	16.8	29.900	7.400	1.000	7.400
4.0							

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.006	0.101	0.010	0.001	0.020
4.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.002	0.120	0.010	5	16.0	105.1	1.6
4.0							0.8

C-REF-NO 101
CONS. NO 151
COUNTRY 18
INSTITUTE 22

LAT 41-44-57N
LON 083-05-03W

YEAR 1967
MONTH 06
DAY 07
TIME 2228

NO. DEPTHS 03
SOUNDING 0091
BT SLIDE NO 008

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R SI02
1.0	2.0	19.22	2.8	314	8.720	93.0	11.43	0.078
4.0		18.56	3.3	314	8.720	96.0	10.75	0.092
7.0		14.97	3.7	307	8.420	92.0	7.70	

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	200E00		
4.0				
7.0	000E00	200E00		

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0		97.6	31.9	39.700	7.400	1.600	9.800
4.0							
7.0							

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.023	0.140	0.006	0.001	0.020
4.0								
7.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.003	0.215	0.012	5	18.0	129.6	1.3
4.0							1.2
7.0							0.6

C-REF-NO 101  
 CONS. NO 152  
 COUNTRY 19  
 INSTITUTE 22

LAT 41-44-24N  
 LON 082-52-12W

YEAR 1967  
 MONTH 06  
 DAY 08  
 TIME 0004

NO. DEPTHS 03  
 SOUNDING 0100  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0	2.0	18.53	2.3	305	8.820	90.0	12.04		0.120
4.0		18.02	2.1	305	8.880	89.0	11.75		0.115
7.0		16.41	1.7	297	8.800	88.0	10.28		0.112

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	640E01		
4.0				
7.0	000E00	100E01		

C-REF-NO 101  
 CONS. NO 153  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-54-24N  
 LON 082-40-48W

YEAR 1967  
 MONTH 06  
 DAY 08  
 TIME 0144

NO. DEPTHS 03  
 SOUNDING 0100  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R	SI02
1.0		17.37	1.0	308	8.910	81.0	11.93		0.050
4.0		17.62	1.0	309	8.950	82.0	11.50		0.055
7.0		16.02	1.0	310	8.780	81.0	10.58		0.060

DEPTH	MF COL	MF STR	SPC 20	SPC 35
1.0	000E00	000E00		
4.0				
7.0	000E00	100E00		

**CRUISE 67 - 102**

C-REF-NO 102
CONS. NO 001
COUNTRY 18
INSTITUTE 22

LAT 42-31-00N  
LON 079-53-24W

YEAR 1967  
MONTH 06  
DAY 12  
TIME 1838

NO. DEPTHS 16  
SOUNDING 0640  
BT SLIDE NO 001

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T N03
1.0	3.5	16.86		324		1.0	11.85	0.001
4.0		13.75		323		1.4	12.77	0.000
7.0		12.41		323		1.5	13.09	0.000
10.0		10.01		323		1.8	13.34	0.000
13.0		7.25		327		1.4	12.17	0.003
16.0		6.69		327		0.9	12.42	0.026
19.0		5.99		327		1.0	12.60	0.040
22.0		5.26		327		0.6	12.46	0.054
25.0		4.97		327		0.6	12.39	0.061
28.0		4.77		327		0.6	12.55	0.058
31.0		4.65		327		1.1	12.51	0.065
37.0		4.51		327		1.2	12.46	0.064
43.0		4.36		327		0.3	12.46	0.068
49.0		4.29		325		0.3	12.52	0.074
55.0		4.10		324		0.6	12.20	0.067
61.0		4.06		327		1.4	11.79	0.067

DEPTH	R SIO2
1.0	0.015
4.0	0.025
7.0	0.045
10.0	0.025
13.0	0.015
16.0	0.030
19.0	0.070
22.0	0.010
25.0	0.025
28.0	0.025
31.0	0.005
37.0	0.015
43.0	0.050
49.0	0.065
55.0	0.050
61.0	0.180

C-REF-NO 102
CONS. NO 002
COUNTRY 18
INSTITUTE 22

LAT 42-30-21N  
LON 079-37-06W

YEAR 1967  
MONTH 06  
DAY 12  
TIME 2156

NO. DEPTHS 13  
SOUNDING 0448  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.5	18.54		317		0.8	11.96	0.002
4.0		15.05		317		0.9	13.29	0.001
7.0		13.71		318		1.1	13.82	0.001
10.0		8.35		326		1.7	13.38	0.001
13.0		6.07		326		1.6	12.16	0.017
16.0		5.12		325		0.6	12.46	0.039
19.0		4.94		326		0.6	12.42	0.041
22.0		4.67		327		0.5	12.45	0.054
25.0		4.54		326		1.2	12.69	0.057
28.0		4.47		326		0.0	12.74	0.059
31.0		4.42		326		2.9	12.71	0.060
37.0		4.26		326		0.3	12.63	0.059
43.0		4.22		325		0.3	12.17	0.066

DEPTH	R SI02
1.0	0.095
4.0	0.115
7.0	0.100
10.0	0.110
13.0	0.075
16.0	0.080
19.0	0.115
22.0	0.080
25.0	0.130
28.0	0.135
31.0	0.110
37.0	0.115
43.0	0.225

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

LAT 42-24-18N  
 LON 079-33-51W

YEAR 1967  
 MONTH 06  
 DAY 12  
 TIME 2333

NO. DEPTHS 08  
 SOUNDING 0247  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	6.0	19.86		322		0.9	11.15	0.000
4.0		17.11		321		0.7	11.47	0.000
7.0		15.50		321		1.5	12.13	0.001
10.0		12.79		326		1.0	12.92	0.002
13.0		9.68		324		1.0	12.94	0.003
16.0		7.56		326		0.8	12.45	0.017
19.0		6.82		327		1.2	11.91	0.018
22.0		6.26		326		0.7	11.33	0.034

DEPTH	R SIU2
1.0	0.110
4.0	0.115
7.0	0.110
10.0	0.075
13.0	0.090
16.0	0.090
19.0	0.090
22.0	0.050

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

LAT 42-20-12N  
 LON 079-39-03W

YEAR 1967  
 MONTH 06  
 DAY 13  
 TIME 0053

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	6.0	18.27		319		0.7	11.48	0.003
4.0		17.73		318		0.7	11.25	0.001
7.0		16.72		322		0.7	11.65	0.000
10.0		15.46		321		0.8	12.17	0.000
13.0		11.54		320		0.9	12.80	0.001

DEPTH	R SIU2
1.0	0.035
4.0	0.075
7.0	0.035
10.0	0.030
13.0	0.035

C-REF-NO 102
CONS. NO 005
COUNTRY 18
INSTITUTE 22

LAT 42-25-06N  
LON 079-41-51W

YEAR 1967  
MONTH 06  
DAY 13  
TIME 0229

NO. DEPTHS 12  
SOUNDING 0413  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		19.48		318		0.5	11.71	0.002
4.0		17.28		319		0.4	11.91	0.003
7.0		14.80		316		0.7	12.78	0.003
10.0		9.73		320		1.8	15.08	0.002
13.0		7.38		305		1.2	12.68	0.002
16.0		5.88		312		1.3	13.47	0.034
19.0		5.33		320		1.5	12.95	0.054
22.0		5.00		322		1.3	12.66	0.059
25.0		4.80		322		0.5	12.63	0.062
28.0		4.66		321		0.2	12.57	0.066
31.0		4.51		322		0.2	12.49	0.067
37.0		4.29		323		0.5	12.40	0.073

DEPTH	R SI02
1.0	0.010
4.0	0.020
7.0	0.020
10.0	0.025
13.0	0.020
16.0	0.025
19.0	0.100
22.0	0.075
25.0	0.040
28.0	0.045
31.0	0.070
37.0	0.175



C-REF-NO 102
CONS. NO 006

COUNTRY 18  
INSTITUTE 22

LAT 42-20-03N  
LON 079-46-27W

YEAR 1967  
MONTH 06  
DAY 13  
TIME 0444

NO. DEPTHS 11  
SOUNDING 0347  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		19.65		321		0.8	11.27	0.001
4.0		16.49		321		0.8	11.80	0.001
7.0		15.28		321		0.9	12.49	0.001
10.0		11.70		320		1.0	13.44	0.002
13.0		9.28		321		1.3	13.63	0.001
16.0		6.89		321		1.0	12.51	0.012
19.0		6.16		322		0.9	12.02	0.040
22.0		5.78		328		0.6	12.03	0.051
25.0		5.41		327		0.7	11.82	0.056
28.0		4.29		326		0.6	12.17	0.070
31.0		4.26		326		0.8	12.19	0.070

DEPTH	R SIC2
1.0	0.000
4.0	0.000
7.0	0.000
10.0	0.000
13.0	0.000
16.0	0.000
19.0	0.000
22.0	0.035
25.0	0.105
28.0	0.215
31.0	0.190

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

LAT 42-14-57N  
 LON 079-51-09W

YEAR 1967  
 MONTH 06  
 DAY 13  
 TIME 0549

NO. DEPTHS 04  
 SOUNDING 0137  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		20.29		319		0.6	10.40	0.000
4.0		17.80		319		1.0	10.72	0.000
7.0		17.11		320		0.9	11.07	0.000
10.0		15.07		322		0.8	10.03	0.002

DEPTH	R SIO2
1.0	0.020
4.0	0.045
7.0	0.035
10.0	0.055

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

LAT 42-20-27N  
 LON 079-54-45W

YEAR 1967  
 MONTH 06  
 DAY 13  
 TIME 0718

NO. DEPTHS 11  
 SOUNDING 0356  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		18.33		315		0.7	11.60	0.001
4.0		16.89		315		0.8	12.09	0.000
7.0		14.65		315		2.5	12.85	0.000
10.0		9.65		321		1.2	13.79	0.000
13.0		7.15		321		0.9	12.78	0.009
16.0		5.96		323		2.8	11.74	0.046
19.0		5.34		323		0.6	12.26	0.054
22.0		4.97		324		0.8	12.14	0.060
25.0		4.72		324		0.5	12.52	0.063
28.0		4.42		324		0.7	12.65	0.064
31.0		4.20		326		1.3	12.72	0.076

DEPTH	R SIO2
1.0	0.015
4.0	0.020
7.0	0.020
10.0	0.015
13.0	0.000
16.0	0.040
19.0	0.045
22.0	0.035
25.0	0.065
28.0	0.065
31.0	0.065

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

LAT 42-21-03N  
 LON 080-02-45W

YEAR 1967  
 MONTH 06  
 DAY 13  
 TIME 0845

NO. DEPTHS 11  
 SOUNDING 0329  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		18.40		317		0.9	11.39	0.002
4.0		16.90		317		0.9	11.45	0.001
7.0		14.20		317		0.9	12.49	0.001
10.0		9.76		318		2.1	14.10	0.001
13.0		8.94		322		1.1	12.26	0.001
16.0		6.63		325		0.8	11.74	0.044
19.0		5.71		325		0.5	11.94	0.055
22.0		5.18		325		0.8	12.32	0.057
25.0		4.85		325		0.5	12.45	0.068
28.0		4.75		325		0.6	12.68	0.069
31.0		4.63		328		1.3	12.22	0.070

DEPTH	R SI02
1.0	0.000
4.0	0.025
7.0	0.025
10.0	0.025
13.0	0.015
16.0	0.015
19.0	0.015
22.0	0.030
25.0	0.050
28.0	0.055
31.0	0.090

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

LAT 42-15-45N  
 LON 079-59-09W

YEAR 1967  
 MONTH 06  
 DAY 13  
 TIME 1018

NO. DEPTHS 06  
 SOUNDING 0174  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	6.5	19.28		320		2.3	10.79	0.002
4.0		18.20		317		0.8	10.99	0.002
7.0		15.78		319		0.7	11.83	0.001
10.0		12.75		320		0.9	12.00	0.002
13.0		9.42		331		1.3	11.53	0.020
16.0		8.10		327		1.4	10.58	0.026

DEPTH	R SI02
1.0	0.015
4.0	0.020
7.0	0.020
10.0	0.020
13.0	0.060
16.0	0.045

C-REF-NO 102  
 CONS. NO 011  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-13-51N  
 LON 079-55-24W

YEAR 1967  
 MONTH 06  
 DAY 13  
 TIME 1107

NO. DEPTHS 04  
 SOUNDING 0119  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	5.5	17.45		319		0.9	10.67	0.004
4.0		16.93		321		0.5	10.78	0.003
7.0		15.83		322		0.9	10.32	0.001
10.0		12.67		326		1.0	10.14	0.006

DEPTH	R SI02
1.0	0.035
4.0	0.065
7.0	0.040
10.0	0.120

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

LAT 42-12-00N  
 LON 079-59-21W

YEAR 1967  
 MONTH 06  
 DAY 13  
 TIME 1212

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	3.5	18.26		326		0.8	10.14	0.002
4.0		18.13		323		0.6	10.10	0.000
7.0		14.41		322		0.9	12.08	0.000
10.0		12.34		322		0.8	12.37	0.000

DEPTH	R SI02
1.0	0.040
4.0	0.050
7.0	0.050
10.0	0.050

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

LAT 42-11-00N  
 LON 080-03-00W  
 YEAR 1967  
 MONTH 06  
 DAY 13  
 TIME 1314

NO. DEPTHS 04  
 SOUNDING 0119  
 BT SLIDE NO 002

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	3.5	20.42		320		0.6	10.32	0.003
4.0		17.52		319		0.7	10.47	0.004
7.0		17.00		320		0.7	10.66	0.004
10.0		11.44		327		0.5	9.58	0.016

DEPTH	R SIO2
1.0	0.030
4.0	0.070
7.0	0.030
10.0	0.270

C-REF-NO 102  
 CONS. NO 014  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-14-03N  
 LON 080-03-15W  
 YEAR 1967  
 MONTH 06  
 DAY 13  
 TIME 1412

NO. DEPTHS 06  
 SOUNDING 0183  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	5.5	18.73		318		0.7	10.87	0.003
4.0		18.00		319		0.0	11.10	0.000
7.0		15.93		319		0.7	11.94	0.001
10.0		12.99		322		0.9	12.83	0.001
13.0		9.41		322		0.8	12.22	0.010
16.0		7.64		324		1.1	10.29	0.041

DEPTH	R SIO2
1.0	0.040
4.0	0.015
7.0	0.045
10.0	0.060
13.0	0.040
16.0	0.085

C-REF-NO 102  
 CONS. NO 015  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-16-12N  
 LON 080-07-12W

YEAR 1967  
 MONTH 06  
 DAY 13  
 TIME 1540

NO. DEPTHS 08  
 SOUNDING 0238  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	5.5	18.29		318		0.5	11.13	0.000
4.0		17.18		318		0.4	11.39	0.000
7.0		15.53		319		0.7	11.90	0.000
10.0		11.23		319		1.1	12.74	0.002
13.0		8.56		319		0.8	11.91	0.010
16.0		7.48		313		0.9	11.01	0.040
19.0		5.11		326		1.0	12.02	0.064
22.0		5.06		326		1.0	11.96	0.064

DEPTH	R SIO2
1.0	0.035
4.0	0.040
7.0	0.065
10.0	0.040
13.0	0.020
16.0	0.060
19.0	0.120
22.0	0.185

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

LAT 42-12-39N  
 LON 080-07-36W

YEAR 1967  
 MONTH 06  
 DAY 13  
 TIME 1637

NO. DEPTHS 06  
 SOUNDING 0183  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	6.5	18.96		316		0.7	10.78	0.003
4.0		18.13		318		0.5	10.92	0.002
7.0		13.60		316		0.8	12.65	0.000
10.0		10.85		321		0.9	12.34	0.002
13.0		8.49		326		0.0	9.89	0.027
16.0		8.40		325		0.0	9.72	0.028

DEPTH	R SIO2
1.0	0.025
4.0	0.040
7.0	0.100
10.0	0.035
13.0	0.125
16.0	0.130

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

LAT 42-09-57N  
 LON 080-09-06W

YEAR 1967  
 MONTH 06  
 DAY 13  
 TIME 1731

NO. DEPTHS 03  
 SOUNDING 0091  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	5.0	19.29		321		0.4	10.56	0.003
4.0		16.99		321		0.5	11.02	0.003
7.0		16.09		321		0.5	10.95	0.002

DEPTH	R SIU2
1.0	0.045
4.0	0.050
7.0	0.040

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

LAT 42-08-03N  
 LON 080-12-06W

YEAR 1967  
 MONTH 06  
 DAY 13  
 TIME 1817

NO. DEPTHS 03  
 SOUNDING 0082  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	5.5	19.08		323		1.8	10.56	0.006
4.0		17.81		322		1.2	10.89	0.005
7.0		14.46		320		0.6	10.43	0.002

DEPTH	R SIU2
1.0	0.080
4.0	0.020
7.0	0.015

C-REF-NO 102  
 CONS. NO 019  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-06-27N  
 LON 080-16-30W

YEAR 1967  
 MONTH 06  
 DAY 13  
 TIME 1902

NO. DEPTHS 03  
 SOUNDING 0100  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	7.0	19.76		321		0.3	10.36	
4.0		18.30		324		0.5	10.41	0.005
7.0		14.79		323		0.5	11.94	0.003

DEPTH	R SI02
1.0	0.020
4.0	0.030
7.0	0.040

C-REF-NO 102  
 CONS. NO 020  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-11-12N  
 LON 080-11-45W

YEAR 1967  
 MONTH 06  
 DAY 13  
 TIME 2014

NO. DEPTHS 06  
 SOUNDING 0192  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	6.0	19.78		323		0.5	10.40	0.003
4.0		18.31		319		0.5	10.70	0.001
7.0		15.39		320		1.1	11.88	0.001
10.0		11.59		320		0.0	13.01	0.001
13.0		8.74		324		0.3	10.69	0.016
16.0		7.02		326		0.1	10.33	0.040

DEPTH	R SI02
1.0	0.015
4.0	0.030
7.0	0.035
10.0	0.045
13.0	0.090
16.0	0.125



C-REF-NO 102  
 CONS. NO 021  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-21-57N  
 LON 080-18-18W

YEAR 1967  
 MONTH 06  
 DAY 13  
 TIME 2206

NO. DEPTHS 07  
 SOUNDING 0201  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	7.0	16.90		315		0.3	11.30	0.001
4.0		16.67		316		0.6	11.36	0.003
7.0		15.12		317		0.6	11.77	0.003
10.0		13.71		317		1.1	12.91	0.002
13.0		10.06		317		1.2	13.50	0.002
16.0		8.60		324		0.8	12.49	0.001
19.0		7.28		324		0.5	11.71	0.016

DEPTH	R SI02
1.0	0.075
4.0	0.045
7.0	0.030
10.0	0.035
13.0	0.035
16.0	0.030
19.0	0.015

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

LAT 42-12-12N  
 LON 080-27-24W

YEAR 1967  
 MONTH 06  
 DAY 13  
 TIME 2352

NO. DEPTHS 07  
 SOUNDING 0238  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	7.3	19.17		316			10.50	0.002
4.0		17.09		316			10.87	0.001
7.0		14.25		316			11.99	0.000
10.0		10.45		317			13.12	0.000
13.0		9.73		317			12.29	0.000
16.0		8.85		319			10.79	0.000
19.0		8.72		320			10.41	0.001

DEPTH	R SI02
1.0	0.045
4.0	0.035
7.0	0.040
10.0	0.040
13.0	0.030
16.0	0.040
19.0	0.040

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

LAT 42-06-39N  
 LON 080-24-24W

YEAR 1967  
 MONTH 06  
 DAY 14  
 TIME 0058

NO. DEPTHS 06  
 SOUNDING 0174  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		20.18		321			10.20	0.001
4.0		18.83		319			10.33	0.000
7.0		16.31		320			11.34	0.000
10.0		10.57		319			13.47	0.000
13.0		9.56		318			12.71	0.000
16.0		7.73		321			9.19	0.016

DEPTH	R SIO2
1.0	0.030
4.0	0.045
7.0	0.040
10.0	0.045
13.0	0.035
16.0	0.180

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

LAT 42-01-48N  
 LON 080-28-48W

YEAR 1967  
 MONTH 06  
 DAY 14  
 TIME 0154

NO. DEPTHS 03  
 SOUNDING 0114  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		19.88		329			10.79	0.013
4.0		17.31		323			11.16	0.001
7.0		15.03		322			11.60	0.000

DEPTH	R SIO2
1.0	0.015
4.0	0.030
7.0	0.030

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

LAT 42-02-54N  
 LON 080-35-45W

YEAR 1967  
 MONTH 06  
 DAY 14  
 TIME 0313

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		20.19		319			10.40	0.000
4.0		18.81		319			10.50	0.000
7.0		16.06		318			11.19	0.000
10.0		9.66		317			12.51	0.001
13.0		9.45		317			11.65	0.006

DEPTH	R SIO2
1.0	0.065
4.0	0.025
7.0	0.065
10.0	0.060
13.0	0.070

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

LAT 41-55-48N  
 LON 081-33-21W

YEAR 1967  
 MONTH 06  
 DAY 14  
 TIME 0819

NO. DEPTHS 07  
 SOUNDING 0228  
 BT SLIDE NO 003

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		20.56	1.0	316	8.680		11.19	0.028
4.0		18.08	0.9	316	8.830		11.71	0.020
7.0		11.19	1.1	316	8.650		12.49	0.002
10.0		9.96	1.1	316	8.530		12.71	0.000
13.0		9.54	0.9	319	8.370		12.19	0.000
16.0		9.28	1.2	319	8.300		11.73	0.000
19.0		9.00	1.1	319	8.190		11.13	0.005

DEPTH	R SIO2
1.0	0.075
4.0	0.090
7.0	0.070
10.0	0.060
13.0	0.040
16.0	0.040
19.0	0.090

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

LAT 42-05-57N  
 LON 081-41-06W

YEAR 1967  
 MONTH 06  
 DAY 14  
 TIME 1002

NO. DEPTHS 08  
 SOUNDING 0238  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	6.0	20.16	0.8	310	8.720		10.90	0.021
4.0		19.56	0.9	309	8.780		11.10	0.026
7.0		16.25	1.0	309	8.770		11.70	0.055
10.0		12.30	1.2	314	8.570		12.03	0.036
13.0		10.00	1.2	317	8.420		12.03	0.008
16.0		9.71	0.9	317	8.340		11.65	0.006
19.0		9.29	1.2	319	8.130		10.14	0.049
22.0		9.14	0.9	321	8.060		10.01	0.037

DEPTH R SIO2

1.0	0.110
4.0	0.130
7.0	0.100
10.0	0.065
13.0	0.050
16.0	0.050
19.0	0.225
22.0	0.335

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

LAT 42-11-21N  
 LON 081-52-09W

YEAR 1967  
 MONTH 06  
 DAY 14  
 TIME 1145

NO. DEPTHS 06  
 SOUNDING 0174  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	8.0	20.34	1.1	313	8.430		9.98	0.035
4.0		19.54	0.9	311	8.460		9.49	0.033
7.0		16.15	0.8	311	8.540		11.16	0.047
10.0		12.47	1.1	312	8.440		10.81	0.058
13.0		10.47	1.4	312	8.170		9.65	0.109
16.0		10.40	1.5	312	8.040		9.32	0.116

DEPTH R SIO2

1.0	0.050
4.0	0.055
7.0	0.075
10.0	0.100
13.0	0.180
16.0	0.275

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

LAT 42-13-18N  
 LON 082-03-06W

YEAR 1967  
 MONTH 06  
 DAY 14  
 TIME 1309

NO. DEPTHS 05  
 SOUNDING 0146  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	02 W	T NO3
1.0	5.0	18.22	1.4	317	8.380		10.04	0.015
4.0		15.27	1.5	314	8.430		10.38	0.017
7.0		10.88	1.4	310	8.350		11.02	0.059
10.0		10.66	1.5	309	8.210		10.38	0.075
13.0		10.24	1.8	309	8.030		9.14	0.108

DEPTH R SI02

1.0 0.080  
 4.0 0.095  
 7.0 0.060  
 10.0 0.055  
 13.0 0.270

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

LAT 42-06-27N  
 LON 081-57-03W

YEAR 1967  
 MONTH 06  
 DAY 14  
 TIME 1430

NO. DEPTHS 06  
 SOUNDING 0183  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	02 W	T NO3
1.0	5.5	20.65	1.0	314	8.490		10.18	0.001
4.0		19.02	1.0	314	8.580		10.75	0.003
7.0		15.93	1.1	310	8.570		9.68	0.007
10.0		12.83	1.0	310	8.380		10.52	0.017
13.0		10.96	1.8	323	7.920		9.37	0.032
16.0		10.82	0.7	322	7.870		9.34	0.040

DEPTH R SI02

1.0 0.090  
 4.0 0.080  
 7.0 0.070  
 10.0 0.060  
 13.0 0.130  
 16.0 0.190

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

LAT 41-57-06N  
 LON 082-06-09W

YEAR 1967  
 MONTH 06  
 DAY 14  
 TIME 1600

NO. DEPTHS 06  
 SOUNDING 0201  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.3	20.97	0.8	302	8.750		10.52	0.015
4.0		19.37	0.8	303	8.750		10.81	0.050
7.0		16.33	0.7	307	8.590		10.50	0.047
10.0		14.50	0.7	314	8.290		9.25	0.066
13.0		11.80	1.1	314	7.950		8.59	0.067
16.0		11.76	0.9	313	7.900		8.37	0.074

DEPTH	R SIO2
1.0	0.095
4.0	0.120
7.0	0.125
10.0	0.120
13.0	0.290
16.0	0.370

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

LAT 42-06-18N  
 LON 082-12-39W

YEAR 1967  
 MONTH 06  
 DAY 14  
 TIME 1720

NO. DEPTHS 06  
 SOUNDING 0183  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	6.0	21.79	0.8	313	8.550		10.04	0.015
4.0		18.13	1.0	317	8.470		10.38	0.010
7.0		15.02	1.3	318	8.430		10.32	0.016
10.0		12.22	0.8	315	8.410		10.63	0.043
13.0		11.14	1.0	324	8.180		10.04	0.063
16.0		10.85	0.9	315	8.040		9.26	0.086

DEPTH	R SIO2
1.0	0.060
4.0	0.060
7.0	0.060
10.0	0.050
13.0	0.060
16.0	0.240

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

LAT 42-05-12N  
 LON 082-23-57W

YEAR 1967  
 MONTH 06  
 DAY 14  
 TIME 1834

NO. DEPTHS 03  
 SOUNDING 0100  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	6.0	21.28	0.9	295	8.630		9.74	0.030
4.0		18.19	1.7	294	8.090		10.04	0.031
7.0		13.94	1.4	311	8.310		9.87	0.016

DEPTH	R SI02
1.0	0.175
4.0	0.200
7.0	0.140

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

LAT 41-56-57N  
 LON 082-22-06W

YEAR 1967  
 MONTH 06  
 DAY 14  
 TIME 1943

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	5.0	22.24	1.0	281	8.690		9.89	0.036
4.0		19.56	1.2	285	8.690		10.20	0.036
7.0		15.46	1.4	303	8.470		9.29	0.075
10.0		12.75	1.7	311	8.150		8.33	0.144
13.0		12.37	1.9	316	8.030		7.78	0.125

DEPTH	R SI02
1.0	0.125
4.0	0.125
7.0	0.120
10.0	0.250
13.0	0.430

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

LAT 41-52-15N  
 LON 082-26-15W

YEAR 1967  
 MONTH 06  
 DAY 14  
 TIME 2051

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.0	21.61	1.6	274	8.700		9.87	0.039
4.0		14.40	2.0	306	8.450		9.23	0.035
7.0		12.15	2.2	314	8.130		8.27	0.039
10.0		11.79	2.5	315	7.970		7.39	0.032

DEPTH R SI02

1.0	0.130
4.0	0.300
7.0	0.370
10.0	0.450

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

LAT 41-47-24N  
 LON 082-22-03W

YEAR 1967  
 MONTH 06  
 DAY 14  
 TIME 2154

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	5.5	23.51	1.2	280	8.690		10.15	0.068
4.0		21.60	1.3	287	8.790		9.66	0.049
7.0		15.68	1.7	306	8.480		8.97	0.044
10.0		12.71	1.6	316	7.950		8.02	0.026

DEPTH R SI02

1.0	0.080
4.0	0.080
7.0	0.110
10.0	0.340



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

LAT 41-46-30N  
 LON 082-15-00W

YEAR 1967  
 MONTH 06  
 DAY 14  
 TIME 2247

NO. DEPTHS 06  
 SOUNDING 0174  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.0	24.54	1.5	300	8.720		11.21	0.045
4.0		20.80	1.5	300	8.890		11.60	0.042
7.0		17.12	1.5	309	8.650		10.26	0.062
10.0		12.85	1.3	313	8.160		8.50	0.114
13.0		12.11	1.5	321	8.010		8.30	0.129
16.0		11.73	1.7	325	7.970		8.56	0.153

DEPTH	R SI02
1.0	0.135
4.0	0.140
7.0	0.125
10.0	0.125
13.0	0.350
16.0	0.370

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

LAT 41-45-33N  
 LON 081-58-54W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 0021

NO. DEPTHS 07  
 SOUNDING 0210  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.5	24.12	1.2	305	8.850		10.99	0.051
4.0		20.52	1.3	305	8.910		11.93	0.028
7.0		14.05	1.3	319	8.640		11.12	0.099
10.0		11.61	1.2	319	7.990		9.03	0.144
13.0		11.27	1.3	323	8.030		9.55	0.148
16.0		10.65	2.1	334	8.010		9.35	0.154
19.0		10.61	1.7	337	7.990		9.28	0.149

DEPTH	R SI02
1.0	0.200
4.0	0.180
7.0	0.135
10.0	0.100
13.0	0.105
16.0	0.285
19.0	0.400

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

LAT 41-55-42N  
 LON 081-49-54W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 0211

NO. DEPTHS 07  
 SOUNDING 0227  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		22.42	0.9	307	8.770		11.53	0.005
4.0		19.84	1.0	330	8.870		11.93	0.017
7.0		16.18	0.8	311	8.890		12.13	0.062
10.0		12.27	0.8	322	8.360		10.29	0.058
13.0		10.43	0.9	324	8.130		9.80	0.114
16.0		10.03	1.1	324	8.040		9.52	0.131
19.0		9.91	1.4	324	8.000		9.49	0.116

DEPTH	R SI02
1.0	0.160
4.0	0.150
7.0	0.120
10.0	0.110
13.0	0.070
16.0	0.230
19.0	0.230

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

LAT 41-45-03N  
 LON 081-42-45W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 0404

NO. DEPTHS 07  
 SOUNDING 0210  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		21.96	0.5	314	8.880		11.05	0.038
4.0		19.82	0.5	313	8.900		11.73	0.031
7.0		15.29	0.8	313	8.880		12.94	0.020
10.0		10.45	1.0	320	8.810		14.16	0.018
13.0		9.77	1.4	327	8.260		10.67	0.049
16.0		9.28	1.3	327	7.890		8.62	0.053
19.0		9.25	1.8	327	7.850		8.50	0.051

DEPTH	R SI02
1.0	0.140
4.0	0.145
7.0	0.080
10.0	0.105
13.0	0.070
16.0	0.480
19.0	0.500

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

LAT 41-44-45N  
LON 081-34-51W

YEAR 1967  
MONTH 06  
DAY 15  
TIME 0511

NO. DEPTHS 06  
SOUNDING 0192  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		22.83	0.5	324	8.760		10.72	0.020
4.0		19.11	0.5	322	8.800		11.65	0.014
7.0		14.93	0.6	324	8.630		12.86	0.014
10.0		10.47	0.6	322	8.510		13.09	0.027
13.0		9.34	0.6	325	8.200		9.95	0.037
16.0		9.17	1.0	325	7.940		8.74	0.042

DEPTH	R SIO2
1.0	0.090
4.0	0.080
7.0	0.090
10.0	0.120
13.0	0.305
16.0	0.425

C-REF-NO 102
CONS. NO 042
COUNTRY 18
INSTITUTE 22

LAT 41-44-03N  
LON 081-26-57W

YEAR 1967  
MONTH 06  
DAY 15  
TIME 0612

NO. DEPTHS 05  
SOUNDING 0146  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		23.20	0.6	313	8.770		11.39	0.084
4.0		23.54	0.6	315	8.860		11.33	0.076
7.0		16.51	1.4	340	8.570		10.03	0.138
10.0		10.22	1.3	333	8.350		11.12	0.065
13.0		9.51	1.5	329	8.090		9.46	0.053

DEPTH	R SIO2
1.0	0.090
4.0	0.115
7.0	0.110
10.0	0.080
13.0	0.300

C-REF-NO 102  
 CONS. NO 043  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-39-09N  
 LON 081-30-33W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 0709

NO. DEPTHS 04  
 SOUNDING 0119  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		23.66	1.3	321	8.850		11.04	0.088
4.0		22.25	1.3	321	8.920		10.90	0.082
7.0		17.93	1.6	344	8.550		8.01	0.122
10.0		12.23	1.8	354	8.280		9.58	0.157

DEPTH	R SI02
1.0	0.230
4.0	0.250
7.0	0.300
10.0	0.105

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

LAT 41-39-15N  
 LON 081-35-09W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 0746

NO. DEPTHS 05  
 SOUNDING 0146  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		23.37	0.5	314	8.710		10.93	0.120
4.0		23.23	0.7	313	8.790		10.84	0.100
7.0		15.45	0.7	336	8.770		13.04	0.107
10.0		10.61	1.1	335	7.950		11.38	0.088
13.0		9.78	1.6	331	8.000		9.34	0.091

DEPTH	R SI02
1.0	0.060
4.0	0.100
7.0	0.060
10.0	0.030
13.0	0.200

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

LAT 41-37-00N  
LON 081-33-42W

YEAR 1967  
MONTH 06  
DAY 15  
TIME 0824

NO. DEPTHS 04  
SOUNDING 0110  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W.	O2 W	T NO3
1.0		23.16	1.1	315	8.860		11.31	0.062
4.0		20.98	1.1	316	8.950		10.95	0.060
7.0		17.87	1.4	329	8.660		8.65	0.100
10.0		11.21	2.3	369	7.950		7.10	0.147

DEPTH R SI02

1.0	0.170
4.0	0.250
7.0	0.190
10.0	0.350

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

LAT 41-34-54N  
LON 081-36-12W

YEAR 1967  
MONTH 06  
DAY 15  
TIME 0911

NO. DEPTHS 04  
SOUNDING 0110  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		20.10	1.5	329	8.560		9.20	0.102
4.0		20.18	1.3	328	8.630		9.35	0.095
7.0		17.98	1.7	329	8.550		8.80	0.108
10.0		11.32	2.2	363	7.980		7.44	0.148

DEPTH R SI02

1.0	0.250
4.0	0.250
7.0	0.210
10.0	0.250

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

LAT 41-37-06N  
 LON 081-37-51W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 0948

NO. DEPTHS 05  
 SOUNDING 0155  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		23.31	0.8	304	8.950		11.31	0.057
4.0		23.26	0.9	304	8.990		11.34	0.055
7.0		17.32	1.2	316	8.550		11.99	0.088
10.0		11.47	1.3	354	8.400		10.82	0.132
13.0		10.15	1.2	338	8.180		9.35	0.138

DEPTH	R SIO2
1.0	0.110
4.0	0.100
7.0	0.090
10.0	0.040
13.0	0.050

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

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

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 1035

NO. DEPTHS 06  
 SOUNDING 0183  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	6.0	21.72	0.8	322	8.670		11.05	0.071
4.0		21.71	0.8	322	8.730		11.02	0.068
7.0		18.69	0.7	325	8.760		12.32	0.073
10.0		10.54	1.6	323	8.640		13.04	0.042
13.0		9.74	1.5	328	8.080		10.20	0.072
16.0		9.53	1.8	328	7.980		9.06	0.071

DEPTH	R SIO2
1.0	0.040
4.0	0.040
7.0	0.040
10.0	0.040
13.0	0.170
16.0	0.310

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

LAT 41-37-06N  
 LON 081-41-36W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 1114

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	5.5	22.10	0.9	312	8.680		11.04	0.075
4.0		22.08	1.1	312	8.780		11.02	0.069
7.0		14.93	1.1	311	8.780		13.73	0.090
10.0		10.54	1.3	331	8.510		12.13	0.084
13.0		9.59	1.6	330	8.090		9.51	0.116

DEPTH	R SI02
1.0	0.090
4.0	0.090
7.0	0.080
10.0	0.060
13.0	0.110

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

LAT 41-34-27N  
 LON 081-39-39W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 1157

NO. DEPTHS 04  
 SOUNDING 0137  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	5.3	23.07	1.0	303	8.820		10.09	0.110
4.0		23.05	1.1	304	8.900		10.89	0.087
7.0		15.78	1.6	327	8.330		8.54	0.153
10.0		12.20	1.6	362	8.060		8.67	0.163

DEPTH	R SI02
1.0	0.140
4.0	0.160
7.0	0.100
10.0	0.060

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

LAT 41-31-57N  
 LON 081-41-51W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 1248

NO. DEPTHS 03  
 SOUNDING 0100  
 BT SLIDE NO 004

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.3	22.64	1.1	308	8.880		10.70	0.085
4.0		22.01	1.7	317	8.830		9.69	0.092
7.0		19.39	3.5	345	8.470		7.90	0.118

DEPTH	R SIO2
1.0	0.120
4.0	0.160
7.0	0.240

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

LAT 41-34-36N  
 LON 081-43-42W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 1336

NO. DEPTHS 05  
 SOUNDING 0154  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.8	22.16	1.2	307	8.760		11.07	0.072
4.0		14.37	1.5	326	8.680		12.22	0.125
7.0		11.72	1.5	357	8.270		9.35	0.154
10.0		11.45	1.5	359	7.970		8.94	0.153
13.0		10.83	2.0	360	8.000		8.91	0.150

DEPTH	R SIO2
1.0	0.120
4.0	0.090
7.0	0.060
10.0	0.060
13.0	0.090



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

LAT 41-37-18N  
LON 081-45-15W

YEAR 1967  
MONTH 06  
DAY 15  
TIME 1417

NO. DEPTHS 06  
SOUNDING 0174  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	5.0	21.83	0.9	319	8.770		10.93	0.091
4.0		19.53	1.1	319	8.770		12.25	0.071
7.0		10.82	2.0	336	8.570		12.55	0.117
10.0		10.10	1.5	337	8.220		10.81	0.128
13.0		9.76	2.0	333	8.040		9.94	0.129
16.0		9.34	2.2	333	7.850		11.54	0.117

DEPTH	R SIO2
1.0	0.060
4.0	0.050
7.0	0.020
10.0	0.020
13.0	0.070
16.0	0.320

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

LAT 41-39-57N  
LON 081-47-15W

YEAR 1967  
MONTH 06  
DAY 15  
TIME 1511

NO. DEPTHS 07  
SOUNDING 0192  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	6.5	21.33	0.6	323	8.790		11.41	0.042
4.0		13.18	0.9	320	8.860		15.00	0.021
7.0		10.58	1.8	324	8.810		13.60	0.044
10.0		9.96	1.3	329	8.250		10.61	0.073
13.0		9.54	1.4	339	8.180		9.80	0.067
16.0		9.34	1.6	329	7.890		8.94	0.068
19.0		9.18	1.8	328	7.760		7.73	0.081

DEPTH	R SIO2
1.0	0.060
4.0	0.050
7.0	0.040
10.0	0.040
13.0	0.150
16.0	0.220
19.0	0.750

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

LAT 41-35-00N  
 LON 081-47-39W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 1603

NO. DEPTHS 06  
 SOUNDING 0174  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	6.0	22.79	0.7	316	8.790		10.66	0.104
4.0		21.86	0.9	316	8.810		10.92	0.098
7.0		12.08	1.4	338	8.620		12.49	0.134
10.0		11.04	1.1	334	8.240		10.64	0.156
13.0		9.90	1.2	339	7.980		9.39	0.132
16.0		9.54	1.7	340	7.810		7.88	0.128

DEPTH	R SI02
1.0	0.050
4.0	0.050
7.0	0.040
10.0	0.040
13.0	0.100
16.0	0.450

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

LAT 41-32-03N  
 LON 081-45-36W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 1642

NO. DEPTHS 05  
 SOUNDING 0137  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	6.0	22.85	0.6	314	8.770		10.63	0.097
4.0		22.03	0.6	310	8.850		11.05	0.084
7.0		17.30	1.1	320	8.420		9.37	0.124
10.0		12.15	1.3	344	8.120		9.03	0.158
13.0		10.60	1.7	360	7.840		6.89	0.150

DEPTH	R SI02
1.0	0.110
4.0	0.110
7.0	0.120
10.0	0.120
13.0	0.550

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

LAT 41-30-21N  
 LON 081-45-03W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 1711

NO. DEPTHS 03  
 SOUNDING 0100  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	02 W	T NO3
1.0	4.5	23.16	1.1	307	8.740		10.93	0.088
4.0		22.14	1.4	307	8.950		10.95	0.090
7.0		20.68	1.7	321	8.760		9.11	0.115

DEPTH R SI02

1.0 0.115  
 4.0 0.130  
 7.0 0.160

C-REF-NO 102  
 CONS. NO 058  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-30-51N  
 LON 081-47-51W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 1749

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	02 W	T NO3
1.0	4.5	23.46	1.0	305	8.890		11.05	0.074
4.0		22.36	1.0	305	8.920		11.16	0.075
7.0		20.85	1.2	314	8.880		10.00	0.102
10.0		13.38	1.2	353	8.070		6.19	0.160

DEPTH R SI02

1.0 0.120  
 4.0 0.120  
 7.0 0.150  
 10.0 0.500

C-REF-NO 102  
 CONS. NO 059  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-32-09N  
 LON 081-49-36W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 1827

NO. DEPTHS 05  
 SOUNDING 0146  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	6.5	23.27	0.6	315	8.790		10.69	0.133
4.0		22.15	0.7	315	8.820		10.87	0.121
7.0		18.09	0.9	313	8.860		12.36	0.130
10.0		12.70	1.1	340	8.340		9.92	0.224
13.0		11.67	1.5	340	8.100		9.12	0.231

DEPTH R SIO2

1.0	0.130
4.0	0.130
7.0	0.160
10.0	0.075
13.0	0.085

C-REF-NO 102  
 CONS. NO 060  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-29-45N  
 LON 081-52-09W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 1907

NO. DEPTHS 03  
 SOUNDING 0091  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	3.5	24.11	1.1	310	8.770		10.61	0.114
4.0		21.76	1.5	315	8.830		9.80	0.130
7.0		20.94	1.4	303	8.700		8.91	0.128

DEPTH R SIO2

1.0	0.160
4.0	0.160
7.0	0.170

C-REF-NO 102  
 CONS. NO 061  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-30-27N  
 LON 081-55-45W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 1939

NO. DEPTHS 03  
 SOUNDING 0091  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.0	22.63	1.1	314	8.840		9.86	0.116
4.0		19.82	1.8	323	8.620		8.19	0.143
7.0		19.24	1.7	325	8.500		8.05	0.148

DEPTH	R SI02
1.0	0.150
4.0	0.180
7.0	0.190

C-REF-NO 102  
 CONS. NO 062  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-32-18N  
 LON 081-54-06W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 2032

NO. DEPTHS 05  
 SOUNDING 0155  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.5	23.47	0.7	306	8.830		11.07	0.088
4.0		21.13	1.0	303	8.930		11.54	0.085
7.0		14.10	1.4	327	8.450		9.20	0.165
10.0		12.10	1.2	338	7.900		9.00	0.193
13.0		10.95	1.8	354	7.790		7.38	0.192

DEPTH	R SI02
1.0	0.110
4.0	0.170
7.0	0.065
10.0	0.050
13.0	0.475

C-REF-NO 102  
 CONS. NO 063  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-34-42N  
 LON 081-53-09W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 2116

NO. DEPTHS 06  
 SOUNDING 0173  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	6.0	24.94	0.7	323	8.580		10.59	0.089
4.0		18.08	1.1	323	8.680		12.28	0.094
7.0		11.60	1.0	338	8.490		12.45	0.168
10.0		10.69	1.0	336	8.220		11.33	0.141
13.0		10.08	1.4	340	8.040		7.79	0.153
16.0		9.55	1.8	339	7.920		7.88	0.134

DEPTH	R SI02
1.0	0.035
4.0	0.035
7.0	0.035
10.0	0.030
13.0	0.300
16.0	0.550

C-REF-NO 102  
 CONS. NO 064  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-40-03N  
 LON 081-55-03W

YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 2216

NO. DEPTHS 07  
 SOUNDING 0201  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	6.0	22.33	0.8	320	8.750		11.48	0.062
4.0		21.23	0.9	320	8.830		11.67	0.063
7.0		11.28	1.2	323	8.790		14.59	0.064
10.0		10.62	1.4	327	8.510		11.99	0.247
13.0		10.11	1.3	330	8.250		10.53	0.300
16.0		9.79	1.2	330	8.120		9.91	0.300
19.0		9.45	1.7	333	7.880		8.13	0.300

DEPTH	R SI02
1.0	0.050
4.0	0.050
7.0	0.050
10.0	0.050
13.0	0.050
16.0	0.125
19.0	0.500

C-REF-NO 102  
 CONS. NO 065  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-35-33N  
 LON 081-59-27W  
 YEAR 1967  
 MONTH 06  
 DAY 15  
 TIME 2308

NO. DEPTHS 06  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	5.0	22.41	0.9	310	8.780		11.12	0.288
4.0		21.93	0.9	309	8.800		11.44	0.282
7.0		13.10	1.0	328	8.490		10.81	0.300
10.0		12.13	1.2	346	7.990		8.59	0.300
13.0		11.40	1.5	340	7.830		10.07	0.300
16.0		10.21	1.0	347	7.910		8.93	0.300

DEPTH	R SI02
1.0	0.050
4.0	0.050
7.0	0.040
10.0	0.110
13.0	0.030
16.0	0.160

C-REF-NO 102  
 CONS. NO 066  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-35-33N  
 LON 082-07-24W  
 YEAR 1965  
 MONTH 06  
 DAY 16  
 TIME 0006

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	5.5	24.59	0.9	311	9.030		10.82	0.069
4.0		22.62	0.8	309	9.030		11.45	0.059
7.0		14.04	1.2	318	8.460		9.71	0.102
10.0		13.03	1.4	320	8.050		9.80	0.097
13.0		12.73	1.0	327	8.020		9.80	0.116

DEPTH	R SI02
1.0	0.175
4.0	0.175
7.0	0.110
10.0	0.070
13.0	0.100

C-REF-NO 102  
 CONS. NO 067  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-31-21N  
 LON 082-04-45W  
 YEAR 1965  
 MONTH 06  
 DAY 16  
 TIME 0103

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP. CON	PH 25	BOD W	O2 W	T NO3
1.0		25.01	1.3	312	9.020		10.87	0.075
4.0		22.17	1.5	312	9.010		11.08	0.076
7.0		16.05	1.5	320	8.490		8.70	0.106
10.0		12.27	1.8	349	7.910		6.90	0.158

DEPTH	R SIO2
1.0	0.200
4.0	0.210
7.0	0.120
10.0	0.600

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

LAT 41-30-06N  
 LON 082-12-57W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 0204

NO. DEPTHS 04  
 SOUNDING 0120  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		23.90	1.6	321	8.890		10.47	0.111
4.0		21.64	1.7	321	8.820		9.72	0.116
7.0		13.56	1.6	343	8.090		7.93	0.124
10.0		12.91	2.0	327	7.870		6.11	0.113

DEPTH	R SIO2
1.0	0.175
4.0	0.210
7.0	0.120
10.0	0.600



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

LAT 41-31-15N  
 LON 082-19-51W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 0309

NO. DEPTHS 04  
 SOUNDING 0137  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		23.60	1.3	303	8.850		9.83	0.074
4.0		23.57	1.4	305	8.820		9.98	0.070
7.0		14.61	1.5	310	8.310		8.96	0.068
10.0		13.29	1.3	325	8.930		8.24	0.113

DEPTH	R SI02
1.0	0.170
4.0	0.150
7.0	0.120
10.0	0.100

C-REF-NO 102  
 CONS. NO 070  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-26-18N  
 LON 082-24-09W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 0409

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		22.88	1.5	316	8.860		9.74	0.104
4.0		22.86	1.6	317	8.880		9.68	0.098
7.0		15.63	1.3	324	8.170		7.39	0.148
10.0		13.81	2.0	325	7.860		5.17	0.165

DEPTH	R SI02
1.0	0.160
4.0	0.160
7.0	0.170
10.0	1.000

C-REF-NO 102  
 CONS. NO 071  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-25-54N  
 LON 082-32-54W

YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 0508

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		22.13	1.7	317	8.760		9.58	0.100
4.0		21.78	1.7	318	8.730		9.37	0.098
7.0		14.10	2.7	337	7.840		5.16	0.130
10.0		13.87	4.0	321	7.820		4.58	0.118

DEPTH	R SIO2
1.0	0.220
4.0	0.200
7.0	0.800
10.0	1.500

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

LAT 41-31-27N  
 LON 082-27-39W

YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 0618

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		23.14	1.8	310	8.860		9.72	0.082
4.0		22.94	1.5	308	8.850		9.68	0.076
7.0		14.45	1.5	313	8.110		7.15	0.119
10.0		13.62	1.8	320	7.950		6.75	0.154

DEPTH	R SIO2
1.0	0.170
4.0	0.180
7.0	0.230
10.0	0.800

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

LAT 41-31-48N  
 LON 082-35-39W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 0716

NO. DEPTHS 04  
 SOUNDING 0119  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		23.45	1.8	323	8.610		8.96	0.140
4.0		23.45	1.9	318	8.700		8.97	0.110
7.0		21.23	1.7	304	8.670		8.94	0.074
10.0		13.03	2.3	315	8.090		6.49	0.052

DEPTH	R SIO2
1.0	0.330
4.0	0.420
7.0	0.310
10.0	0.630

C-REF-NO 102  
 CONS. NO 074  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-35-51N  
 LON 082-38-45W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 0810

NO. DEPTHS 04  
 SOUNDING 0119  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		23.26	1.3	304	8.620		8.94	0.078
4.0		21.42	1.6	303	8.690		8.63	0.068
7.0		14.92	1.6	303	8.170		5.11	0.064
10.0		13.36	2.9	315	7.960		5.17	0.042

DEPTH	R SIO2
1.0	0.240
4.0	0.270
7.0	0.430
10.0	0.700

C-REF-NO 102  
 CONS. NO 075  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-36-45N  
 LON 082-31-09W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 0908

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		22.62	1.5	298	8.690		9.48	0.064
4.0		22.64	1.3	297	8.800		9.46	0.056
7.0		22.51	1.2	300	8.810		9.46	0.058
10.0		13.96	1.5	305	8.360		7.95	0.074

DEPTH	R SI02
1.0	0.280
4.0	0.330
7.0	0.260
10.0	0.100

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

LAT 41-36-00N  
 LON 082-23-15W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 1003

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.8	22.76	1.4	301	8.680		9.77	0.076
4.0		22.74	1.3	300	8.840		9.74	0.070
7.0		22.21	1.3	301	8.820		9.75	0.064
10.0		13.57	1.4	306	7.950		7.92	0.072
13.0		13.02	2.2	307	7.960		7.03	0.094

DEPTH	R SI02
1.0	0.150
4.0	0.140
7.0	0.150
10.0	0.090
13.0	0.460

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

LAT 41-41-45N  
 LON 082-27-03W

YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 1105

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.0	22.49	1.4	295	8.730		9.69	0.056
4.0		22.48	1.3	311	8.820		9.68	0.054
7.0		22.16	1.4	296	8.790		9.66	0.054
10.0		13.34	2.0	305	8.010		6.86	0.062

DEPTH	R SI02
1.0	0.160
4.0	0.160
7.0	0.150
10.0	0.470

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

LAT 41-41-45N  
 LON 082-34-54W

YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 1204

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	3.8	22.14	1.8	295	8.590		8.97	0.074
4.0		22.13	1.6	295	8.680		8.99	0.068
7.0		21.94	1.6	294	8.700		9.06	0.064
10.0		12.75	2.1	316	8.030		6.15	0.038

DEPTH	R SI02
1.0	0.220
4.0	0.180
7.0	0.200
10.0	0.800

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

LAT 41-48-27N  
 LON 082-30-12W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 1311

NO. DEPTHS 04  
 SOUNDING 0100  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.5	22.09	1.9	288	8.540		8.60	0.072
4.0		21.90	1.7	290	8.620		8.63	0.070
7.0		17.81	2.2	291	8.510		7.90	0.060
10.0		13.90	2.8	308	7.990		6.12	0.054

DEPTH R SIG2

1.0	0.180
4.0	0.210
7.0	0.260
10.0	0.470

C-REF-NO 102  
 CONS. NO 080  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-54-36N  
 LON 082-34-45W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 1436

NO. DEPTHS 04  
 SOUNDING 0100  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	5.0	22.73	1.5	272	8.920		9.25	0.030
4.0		22.64	1.1	279	8.920		10.03	0.024
7.0		15.61	2.6	292	8.170		6.20	0.068
10.0		14.70	4.4	298	7.960		5.37	0.059

DEPTH R SIG2

1.0	0.090
4.0	0.150
7.0	0.580
10.0	0.750

C-REF-NO 102  
 CONS. NO 081  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-54-24N  
 LON 082-41-00W

YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 1533

NO. DEPTHS 04  
 SOUNDING 0100  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	3.3	22.69	2.1	300	8.920		10.32	0.196
4.0		21.80	1.7	294	8.820		9.48	0.118
7.0		17.42	2.0	285	8.390		6.66	0.088
10.0		14.30	3.6	279	7.750		3.71	0.060

DEPTH R SI02

1.0	0.240
4.0	0.240
7.0	0.570
10.0	1.500

C-REF-NO 102  
 CONS. NO 082  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-59-09N  
 LON 082-36-15W

YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 1632

NO. DEPTHS 03  
 SOUNDING 0082  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.0	25.20	1.5	284	8.990		9.60	0.038
4.0		25.13	1.3	283	9.040		9.60	0.034
7.0		17.41	1.4	302	8.540		7.00	0.044

DEPTH R SI02

1.0	0.240
4.0	0.290
7.0	0.600

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

LAT 41-59-30N  
 LON 082-44-57W

YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 1732

NO. DEPTHS 03  
 SOUNDING 0082  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	3.5	23.70	1.4	312	8.840		9.52	0.110
4.0		22.61	1.5	302	8.840		9.66	0.094
7.0		16.47	1.6	304	8.260		5.80	0.076

DEPTH R SI02

1.0	0.190
4.0	0.200
7.0	0.650

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

LAT 41-54-24N  
 LON 082-48-51W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 1828

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	3.5	23.89	1.7	303	8.820		9.14	0.136
4.0		22.54	1.8	312	8.840		9.51	0.154
7.0		19.41	1.6	300	8.360		8.02	0.120
10.0		15.23	6.7	282	8.940		4.49	0.084

DEPTH	R SIO2
1.0	0.200
4.0	0.220
7.0	0.400
10.0	1.500

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

LAT 41-55-09N  
 LON 082-57-03W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 1945

NO. DEPTHS 03  
 SOUNDING 0091  
 BT SLIDE NO 005

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.5	24.56	1.2	267	8.790		9.35	0.050
4.0		23.10	1.1	269	8.870		10.09	0.042
7.0		17.91	1.5	280	8.390		7.46	0.088

DEPTH	R SIO2
1.0	0.180
4.0	0.200
7.0	0.290

C-REF-NO 102  
 CONS. NO 086  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-55-33N  
 LON 083-04-36W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 2038

NO. DEPTHS 03  
 SOUNDING 0082  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.0	23.35	1.4	278	8.630		9.48	0.060
4.0		23.14	1.6	278	8.720		9.35	0.046
7.0		19.71	2.0	295	8.480		7.30	0.064

DEPTH	R SIO2
1.0	0.280
4.0	0.300
7.0	0.390



C-REF-NO 102  
 CONS. NO 081  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-54-24N  
 LON 082-41-00W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 1533

NO. DEPTHS 04  
 SOUNDING 0100  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	3.3	22.69	2.1	300	8.920		10.32	0.196
4.0		21.80	1.7	294	8.820		9.48	0.118
7.0		17.42	2.0	285	8.390		6.66	0.088
10.0		14.30	3.6	279	7.750		3.71	0.060

DEPTH	R SI02
1.0	0.240
4.0	0.240
7.0	0.570
10.0	1.500

C-REF-NO 102  
 CONS. NO 082  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-59-09N  
 LON 082-36-15W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 1632

NO. DEPTHS 03  
 SOUNDING 0082  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.0	25.20	1.5	284	8.990		9.60	0.038
4.0		25.13	1.3	283	9.040		9.60	0.034
7.0		17.41	1.4	302	8.540		7.00	0.044

DEPTH	R SI02
1.0	0.240
4.0	0.290
7.0	0.600

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

LAT 41-59-30N  
 LON 082-44-57W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 1732

NO. DEPTHS 03  
 SOUNDING 0082  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	3.5	23.70	1.4	312	8.840		9.52	0.110
4.0		22.61	1.5	302	8.840		9.66	0.094
7.0		16.47	1.6	304	8.260		5.80	0.076

DEPTH	R SI02
1.0	0.190
4.0	0.200
7.0	0.650

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

LAT 41-54-24N  
 LON 082-48-51W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 1828

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	3.5	23.89	1.7	303	8.820		9.14	0.136
4.0		22.54	1.8	312	8.840		9.51	0.154
7.0		19.41	1.6	300	8.360		8.02	0.120
10.0		15.23	6.7	282	8.940		4.49	0.084

DEPTH	R SIO2
1.0	0.200
4.0	0.220
7.0	0.400
10.0	1.500

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

LAT 41-55-09N  
 LON 082-57-03W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 1945

NO. DEPTHS 03  
 SOUNDING 0091  
 BT SLIDE NO 005

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.5	24.56	1.2	267	8.790		9.35	0.050
4.0		23.10	1.1	269	8.870		10.09	0.042
7.0		17.91	1.5	280	8.390		7.46	0.088

DEPTH	R SIO2
1.0	0.180
4.0	0.200
7.0	0.290

C-REF-NO 102  
 CONS. NO 086  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-55-33N  
 LON 083-04-36W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 2038

NO. DEPTHS 03  
 SOUNDING 0082  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	4.0	23.35	1.4	278	8.630		9.48	0.060
4.0		23.14	1.6	278	8.720		9.35	0.046
7.0		19.71	2.0	295	8.480		7.30	0.064

DEPTH	R SIO2
1.0	0.280
4.0	0.300
7.0	0.390

C-REF-NO 102  
 CONS. NO 087  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-53-24N  
 LON 083-11-51W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 2152

NO. DEPTHS 02  
 SOUNDING 0073  
 BT SLIDE NO 006

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	02 W	T NO3
1.0		25.12	4.9	295	8.970		12.46	0.090
4.0		25.03	4.2	292	9.120		12.31	0.086

DEPTH	R SI02
1.0	0.500
4.0	0.450

C-REF-NO 102  
 CONS. NO 088  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-49-12N  
 LON 083-08-27W  
 YEAR 1967  
 MONTH 06  
 DAY 16  
 TIME 2318

NO. DEPTHS 02  
 SOUNDING 0082  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	02 W	T NO3
1.0		23.99	3.0	270	9.010		11.08	0.032
4.0		23.95	2.6	274	9.020		11.10	0.030

DEPTH	R SI02
1.0	0.250
4.0	0.250

C-REF-NO 102  
 CONS. NO 089  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-44-57N  
 LON 083-04-51W  
 YEAR 1967  
 MONTH 06  
 DAY 17  
 TIME 0051

NO. DEPTHS 03  
 SOUNDING 0082  
 BT SLIDE NO 007

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	02 W	T NO3
1.0		23.20	1.8	279	8.640		9.19	0.044
4.0		23.25	1.7	274	8.740		9.20	0.040
7.0		16.01	5.8	271	8.800		4.03	0.084

DEPTH	R SI02
1.0	0.240
4.0	0.220
7.0	1.100

C-REF-NO 102  
 CONS. NO 090  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-49-57N  
 LON 083-00-57W

YEAR 1967  
 MONTH 06  
 DAY 17  
 TIME 0144

NO. DEPTHS 03  
 SOUNDING 0091  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		22.84	2.0	265	8.810		9.77	0.038
4.0		22.82	1.9	261	8.830		9.58	0.036
7.0		19.01	2.5	267	8.090		6.78	0.068

DEPTH	R SI02
1.0	0.330
4.0	0.350
7.0	0.700

C-REF-NO 102  
 CONS. NO 091  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-49-45N  
 LON 082-53-27W

YEAR 1967  
 MONTH 06  
 DAY 17  
 TIME 0511

NO. DEPTHS 03  
 SOUNDING 0091  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		22.43	1.9	285	8.810		9.29	0.142
4.0		22.44	1.8	285	8.820		9.22	0.114
7.0		22.07	2.0	286	8.780		9.22	0.110

DEPTH	R SI02
1.0	0.240
4.0	0.260
7.0	0.320

C-REF-NO 102  
 CONS. NO 092  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-44-48N  
 LON 082-58-21W

YEAR 1967  
 MONTH 06  
 DAY 17  
 TIME 0607

NO. DEPTHS 03  
 SOUNDING 0082  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		23.00	1.7	274	8.880		9.46	0.040
4.0		23.00	1.6	274	8.880		9.35	0.036
7.0		22.29	1.8	277	8.830		9.34	0.042

DEPTH	R SI02
1.0	0.200
4.0	0.240
7.0	0.240

C-REF-NO 102  
 CONS. NO 093  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-41-09N  
 LON 082-55-51W

YEAR 1967  
 MONTH 06  
 DAY 17  
 TIME 0657

NO. DEPTHS 03  
 SOUNDING 0082  
 BT SLIDE NO 008

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		22.23	1.7	279	8.770		9.49	0.076
4.0		22.23	1.6	280	8.790		9.49	0.072
7.0		15.27	3.5	325	8.110		5.92	0.220

DEPTH	R SI02
1.0	0.160
4.0	0.240
7.0	0.830

C-REF-NO 102  
 CONS. NO 094  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-44-21N  
 LON 082-51-54W

YEAR 1967  
 MONTH 06  
 DAY 17  
 TIME 0747

NO. DEPTHS 03  
 SOUNDING 0091  
 BT SLIDE NO 009

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		22.23	1.4	296	8.620		9.25	0.168
4.0		22.21	1.4	299	8.750		9.17	0.154
7.0		20.86	1.4	300	8.610		8.68	0.158

DEPTH	R SI02
1.0	0.310
4.0	0.300
7.0	0.420

C-REF-NO 102  
 CONS. NO 095  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-49-33N  
 LON 082-45-00W

YEAR 1967  
 MONTH 06  
 DAY 17  
 TIME 0850

NO. DEPTHS 03  
 SOUNDING 0100  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		22.02	2.1	299	8.660		8.90	0.162
4.0		22.03	1.6	301	8.780		8.99	0.146
7.0		22.01	1.8	301	8.780		8.97	0.144

DEPTH	R SI02
1.0	0.330
4.0	0.330
7.0	0.320

C-REF-NO 102  
 CONS. NO 096  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-43-27N  
 LON 082-44-51W  
 YEAR 1967  
 MONTH 06  
 DAY 17  
 TIME 0946

NO. DEPTHS 03  
 SOUNDING 0082  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0		22.24	1.7	305	8.790		8.76	0.174
4.0		22.23	1.8	306	8.770		8.74	0.156
7.0		15.04	2.3	302	8.240		5.65	0.114

DEPTH	R SIO2
1.0	0.190
4.0	0.240
7.0	0.640

C-REF-NO 102  
 CONS. NO 097  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-38-06N  
 LON 082-45-57W  
 YEAR 1967  
 MONTH 06  
 DAY 17  
 TIME 1047

NO. DEPTHS 03  
 SOUNDING 0082  
 BT SLIDE NO 010

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	T NO3
1.0	3.0	22.08	2.1	301	8.720		8.36	0.084
4.0		21.06	2.7	302	8.600		7.36	0.082
7.0		14.48	5.8	303	7.890		3.09	0.094

DEPTH	R SIO2
1.0	0.430
4.0	0.650
7.0	1.500

**CRUISE 67 - 103**

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

LAT 41-44-51N  
 LGN 081-42-51W

YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 0328

NO. DEPTHS 07  
 SOUNDING 0201  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		16.72	1.0	326	8.570		10.72	0.037
4.0		16.73	0.9	324	8.650		10.65	0.035
7.0		16.73	1.0	323	8.660		10.65	0.033
10.0		16.73	1.1	323	8.660		10.64	0.034
13.0		10.42	0.9	325	8.230		9.78	0.042
16.0		9.36	1.3	325	7.940		8.74	0.026
19.0		9.03	2.7	326	7.820		8.04	0.034

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.004	0.080	500E00	000E00	000E00	200E01	600E00
4.0	0.004	0.075					
7.0	0.004	0.070					
10.0	0.004	0.075					
13.0	0.003	0.055					
16.0	0.003	0.290					
19.0	0.003	0.470	000E00	000E00	000E00	500E01	120E01

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

LAT 41-44-24N  
 LGN 081-34-36W

YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 0439

NO. DEPTHS 06  
 SOUNDING 0192  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		14.19	2.7	355	8.140		9.47	0.047
4.0		14.20	2.2	352	8.180		9.50	0.044
7.0		14.17	2.2	345	8.180		9.49	0.047
10.0		14.16	2.5	346	8.170		9.47	0.046
13.0		10.05	1.5	325	8.240		10.89	0.010
16.0		9.03	2.3	323	7.840		8.87	0.012

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.006	0.250	270E01	000E00	000E00	260E01	560E01
4.0	0.006	0.235					
7.0	0.006	0.260	130E01	000E00	000E00	240E01	900E01
10.0	0.006	0.235					
13.0	0.002	0.060					
16.0	0.003	0.390					



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

LAT 41-44-06N  
 LON 081-27-03W

YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 0552

NO. DEPTHS 05  
 SOUNDING 0137  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		11.92	4.5	346	7.970		9.24	0.030
4.0		11.85	4.5	346	7.940		9.18	0.028
7.0		11.73	3.2	344	7.940		9.21	0.027
10.0		10.80	3.0	338	7.940		9.41	0.020
13.0		9.40	3.8	324	7.930		9.58	0.011

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.004	0.330	000E00	000E00	000E00	400E01	780E01
4.0	0.004	0.340					
7.0	0.004	0.320	140E01	200E00	000E00	200E01	440E01
10.0	0.004	0.300					
13.0	0.003	0.320					

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

LAT 41-39-15N  
 LON 081-31-15W

YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 0707

NO. DEPTHS 05  
 SOUNDING 0137  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		10.74	6.2	336	7.800		9.13	0.042
4.0		10.74	6.8	334	7.810		9.07	0.043
7.0		10.66	5.6	335	7.830		8.31	0.046
10.0		9.79	5.8	331	7.800		8.39	0.033
13.0		9.53	7.5	327	7.710		8.36	0.029

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.004	0.380	280E01	200E00	000E00	150E02	100E02
4.0	0.005	0.370					
7.0	0.005	0.370	600E01	400E00	000E00	200E02	360E02
10.0	0.004	0.410					
13.0	0.004	0.500					

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

LAT 41-39-18N  
 LON 081-35-09W

YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 0756

NO. DEPTHS 05  
 SOUNDING 0146  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0		12.29	3.5	366	7.880		8.74	0.057
4.0		12.06	4.4	369	7.900		8.70	0.049
7.0		11.69	4.5	364	7.860		8.65	0.046
10.0		11.18	5.4	354	7.860		8.65	0.042
13.0		9.39	3.9	326	7.860		8.85	0.030

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.006	0.310	400E01	600E00	000E00	400E01	250E02
4.0	0.006	0.330					
7.0	0.006	0.350	130E02				
10.0	0.005	0.360					
13.0	0.004	0.380	300E00	000E00	000E00	500E01	100E02

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

LAT 41-37-03N  
 LON 081-33-57W

YEAR 1967  
 MONTH 6  
 DAY 20  
 TIME 0834

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0		10.76	7.0	334	7.830		8.31	0.062
4.0		10.77	6.4	333	7.840		8.29	0.062
7.0		10.37	5.0	328	7.740		8.17	0.054
10.0		9.88	4.2	329	7.750		8.12	0.047

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.007	0.330	260E01	000E00	000E00	140E02	900E01
4.0	0.007	0.330					
7.0	0.006	0.360	240E01				
10.0	0.005	0.385	400E01	000E00	000E00	200E02	100E02

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

LAT 41-34-54N  
 LON 081-36-27W

YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 0919

NO. DEPTHS 04  
 SOUNDING 0119  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0		11.01	7.2	334	7.780		8.37	0.095
4.0		10.98	7.7	334	7.790		8.36	0.095
7.0		10.62	6.6	334	7.800		8.20	0.081
10.0		9.86	4.5	334	7.790		7.80	0.063

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.013	0.365	830E03	400E02	130E02	100E03	130E03
4.0	0.012	0.355					
7.0	0.008	0.355	520E02				
10.0	0.007	0.425	600E03	220E02	120E02	100E03	100E03

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

LAT 41-37-12N  
 LON 081-38-09W

YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 1011

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	2.0	10.69	3.0	333	7.820		8.49	0.072
4.0		10.70	3.3	333	7.840		8.48	0.062
7.0		10.67	3.1	333	7.830		8.51	0.057
10.0		10.70	3.1	330	7.820		8.59	0.053
13.0		9.64	2.8	327	7.840		8.73	0.034

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.004	0.330	360E01	200E00	000E00	150E02	130E02
4.0	0.004	0.325					
7.0	0.005	0.335	510E01				
10.0	0.004	0.360					
13.0	0.003	0.360	680E01	480E01	000E00	100E02	160E02

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

LAT 41-39-24N  
 LON 081-41-06W

YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 1106

NO. DEPTHS 06  
 SOUNDING 0183  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	3.0	14.34	1.2	329	8.240		9.97	0.058
4.0		14.31	1.1	330	8.270		9.97	0.055
7.0		13.58	1.6	332	8.210		9.60	0.057
10.0		12.98	2.6	333	8.110		9.27	0.056
13.0		9.56	1.2	324	7.960		10.25	0.027
16.0		9.25	2.4	325	7.860		7.97	0.030

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.007	0.145	800E00	000E00	000E00	700E01	100E02
4.0	0.007	0.165					
7.0	0.007	0.200	500E00				
10.0	0.007	0.235					
13.0	0.003	0.150					
16.0	0.004	0.430	000E00	000E00	000E00	100E02	500E01

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

LAT 41-37-27N  
 LON 081-40-57W

YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 1207

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	2.0	12.09	2.3	332	7.950		9.09	0.067
4.0		12.09	2.2	332	7.970		8.98	0.063
7.0		11.93	2.4	332	7.950		9.01	0.062
10.0		11.89	2.8	332	7.940		8.95	0.061
13.0		9.31	1.6	326	7.870		8.17	0.036

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.006	0.260	100E01	000E00	000E00	800E01	240E02
4.0	0.006	0.270					
7.0	0.007	0.290	300E00				
10.0	0.007	0.280					
13.0	0.008	0.420	100E01	000E00	000E00	130E02	500E01

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

LAT 41-34-48N  
 LON 081-39-30W

YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 1254

NO. DEPTHS 04  
 SOUNDING 0119  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	1.5	10.75	5.5	334	7.840		8.08	0.071
4.0		10.76	5.6	333	7.850		8.08	0.069
7.0		10.69	5.6	337	7.840		8.14	0.072
10.0		10.52	5.5	332	7.810		8.00	0.065

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.015	0.350	500E01	100E00	000E00	100E02	700E02
4.0	0.008	0.350					
7.0	0.011	0.340	300E00				
10.0	0.008	0.380	100E01	000E00	000E00	250E02	600E02

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

LAT 41-32-00N  
 LON 081-41-54W

YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 1349

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO 001

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	1.5	11.71	8.6	342	7.810		7.95	0.123
4.0		11.61	8.5	344	7.820		7.92	0.120
7.0		11.54	6.8	345	7.830		7.89	0.112
10.0		10.06	7.6	340	7.790		7.70	0.086

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.013	0.340	270E02	680E01	200E00	200E02	
4.0	0.013	0.335					
7.0	0.013	0.335	140E02				
10.0	0.011	0.410	220E01	400E00	000E00	140E02	

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	203.0	92.6	26.6	39.300	8.200	1.400	13.600
4.0							
7.0							
10.0							

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.015	0.500	0.004	0.003	0.035
4.0								
7.0								
10.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.007	0.180	0.026	5	29.1	131.8	
4.0							
7.0							
10.0							

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

LAT	41-34-42N
LON	081-43-48W

YEAR	1967
MONTH	06
DAY	20
TIME	1503

NO. DEPTHS	05
SOUNDING	0155
BT SLIDE NO	

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	1.5	12.26	4.5	340	7.790		8.37	0.120
4.0		11.93	4.2	340	7.800		8.08	0.105
7.0		11.87	3.9	341	7.830		8.04	0.108
10.0		11.75	3.6	329	7.820		8.14	0.107
13.0		9.48	3.6	329	7.770		7.95	0.055

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.008	0.310	360E01	400E00	000E00	250E02	
4.0	0.008	0.310					
7.0	0.008	0.310	600E01				
10.0	0.008	0.340					
13.0	0.004	0.380	110E01	400E00	000E00	100E02	

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

LAT 41-37-21N  
 LON 081-45-09W

YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 1608

NO. DEPTHS 06  
 SOUNDING 0184  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		14.67	1.4	329	8.230		9.94	0.066
4.0		14.37	1.5	330	8.270		9.81	0.063
7.0		13.34	1.7	330	8.090		9.26	0.065
10.0		13.03	2.0	332	8.050		9.19	0.068
13.0		9.45	2.8	327	7.910		8.54	0.043
16.0		9.38	2.4	328	7.810		8.00	0.043

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.006	0.190	300E01	000E00	000E00	500E01	
4.0	0.007	0.190					
7.0	0.007	0.240	600E00				
10.0	0.007	0.240					
13.0	0.005	0.370					
16.0	0.005	0.370	120E01	000E00	000E00	100E02	

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

LAT 41-39-51N  
 LON 081-47-27W

YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 1659

NO. DEPTHS 07  
 SOUNDING 0192  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	4.3	16.18	1.0	324	8.500		10.34	0.087
4.0		16.16	0.9	324	8.510		10.25	0.078
7.0		16.13	0.9	324	8.530		10.27	0.077
10.0		15.90	0.8	323	8.480		10.16	0.077
13.0		13.74	0.7	309	7.970		9.18	0.048
16.0		9.36	1.5	328	7.830		7.76	0.053
19.0		9.31	1.7	329	7.820		7.69	0.052

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.007	0.110	000E00	000E00	000E00	400E01	
4.0	0.008	0.110					
7.0	0.007	0.110	100E00				
10.0	0.008	0.110					
13.0	0.004	0.160					
16.0	0.005	0.415					
19.0	0.005	0.520	000E00	000E00	000E00	800E01	

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

LAT 41-35-03N  
 LON 081-47-27W  
 YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 1810

NO. DEPTHS 05  
 SOUNDING 0155  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	1.5	13.15	3.0	342	7.920		8.63	0.123
4.0		12.60	2.7	343	7.910		8.56	0.112
7.0		12.47	3.0	343	7.900		8.06	0.112
10.0		12.27	3.6	343	7.880		8.12	0.116
13.0		9.46	3.2	328	7.810		7.56	0.057

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.008	0.315	720E01	000E00	000E00	100E02	
4.0	0.008	0.330					
7.0	0.009	0.325	120E02				
10.0	0.011	0.330					
13.0	0.005	0.430	250E01	000E00	000E00	100E02	

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

LAT 41-32-09N  
 LON 081-45-36W  
 YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 1924

NO. DEPTHS 05  
 SOUNDING 0140  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	1.1	14.61	4.5	354	7.910		8.51	0.135
4.0		12.79	4.5	346	7.950		8.71	0.143
7.0		11.99	4.6	345	7.850		7.95	0.122
10.0		11.55	4.5	343	7.800		7.59	0.126
13.0		9.58	4.2	334	7.720		6.97	0.076

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.011	0.400	400E01	000E00	000E00	200E02	
4.0	0.011	0.390					
7.0	0.012	0.390	110E02				
10.0	0.012	0.390					
13.0	0.007	0.545	170E01	400E00	000E00	110E02	



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

LAT 41-30-24N  
 LON 081-45-00W  
 YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 2001

NO. DEPTHS 04  
 SOUNDING 0120  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	1.3	13.60	4.5	354	7.910		8.71	0.137
4.0		12.89	4.5	359	7.890		8.29	0.127
7.0		12.36	5.2	358	7.840		7.92	0.129
10.0		9.90	4.5	334	7.780		7.39	0.110

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.012	0.440	330E02	120E02	000E00	100E03	
4.0	0.013	0.420					
7.0	0.013	0.435	340E02				
10.0	0.009	0.485	100E02	640E01	000E00	200E03	

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

LAT 41-30-42N  
 LON 081-47-48W  
 YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 2058

NO. DEPTHS 04  
 SOUNDING 0131  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	1.1	13.51	5.1	355	7.910		8.29	0.149
4.0		12.98	5.9	355	7.890		8.14	0.157
7.0		12.54	4.4	353	7.860		7.86	0.145
10.0		9.89	4.9	336	7.810		7.69	0.112

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.012	0.450	160E02	340E01	000E00	190E03	100E03
4.0	0.012	0.445					
7.0	0.012	0.440	120E02				
10.0	0.009	0.430	860E01		000E00	400E03	300E02

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

LAT 41-32-06N  
 LON 081-49-33W

YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 2136

NO. DEPTHS 05  
 SOUNDING 0146  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	2.0	13.07	3.5	341	8.010		9.10	0.122
4.0		12.62	3.2	341	7.970		8.56	0.105
7.0		12.40	5.0	341	7.950		8.46	0.117
10.0		11.57	5.2	338	7.900		8.03	0.111
13.0		9.42	4.0	331	7.820		6.97	0.107

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.011	0.285	800E00	000E00	000E00	440E02	500E02
4.0	0.012	0.340					
7.0	0.012	0.345	160E01				
10.0	0.011	0.340					
13.0	0.008	0.540	300E00	000E00	000E00	900E01	800E01

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

LAT 41-29-42N  
 LON 081-52-06W

YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 2118

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	0.7	15.52	9.8	359	7.870		7.70	0.161
4.0		13.22	12.0	361	7.870		7.10	0.167
7.0		12.74	6.4	354	7.840		7.59	0.155
10.0		11.95	5.5	350	7.810		7.33	0.148

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.018	0.785	530E02		400E00	260E03	130E03
4.0	0.018	0.750					
7.0	0.016	0.565	600E00				
10.0	0.015	0.520	700E00	460E01	000E00	190E03	130E03

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

LAT 41-30-21N  
 LON 081-55-45W

YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 2300

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	1.0	13.26	8.9	348	7.850		7.84	0.167
4.0		13.05	9.5	349	7.850		7.53	0.155
7.0		12.80	12.0	349	7.830		7.47	0.154
10.0		11.37	12.0	345	7.790		7.24	0.167

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.010	0.520	800E01	280E01	400E00	140E03	100E03
4.0	0.011	0.610					
7.0	0.012	0.600	120E02				
10.0	0.009	0.580	120E01	600E00	200E00	220E03	100E03

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

LAT 41-32-24N  
 LON 081-54-06W

YEAR 1967  
 MONTH 06  
 DAY 20  
 TIME 2338

NO. DEPTHS 05  
 SOUNDING 0155  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	2.5	15.56	2.6	334	8.250		10.00	0.113
4.0		14.06	2.6	335	8.200		9.21	0.097
7.0		13.43	3.6	337	8.120		8.98	0.120
10.0		9.41	4.3	334	7.810		7.27	0.180
13.0		9.41	5.0	332	7.770		7.10	0.092

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.008	0.260	000E00	000E00	000E00	210E02	400E02
4.0	0.008	0.275					
7.0	0.007	0.295	100E00				
10.0	0.006	0.530					
13.0	0.006	0.595	000E00	000E00	000E00	320E02	600E02

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

LAT 41-34-36N  
 LON 081-52-54W

YEAR 1967  
 MONTH 06  
 DAY 21  
 TIME 0027

NO. DEPTHS 06  
 SOUNDING 0177  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	2.5	14.93	2.6	336	8.140		9.91	0.119
4.0		14.39	2.2	338	8.180		9.95	0.099
7.0		13.43	2.1	335	8.140		9.57	0.099
10.0		13.16	2.3	337	8.050		8.77	0.107
13.0		9.45	3.1	330	7.840		7.07	0.063
16.0		9.46	3.5	329	7.770		7.19	0.057

DEPTH	NO2NF	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.006	0.255	120E01	800E00	000E00	610E02	300E02
4.0	0.006	0.220					
7.0	0.006	0.255	440E01				
10.0	0.006	0.235					
13.0	0.005	0.465					
16.0	0.005	0.490	800E00	000E00	000E00	570E02	100E02

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

LAT 41-40-12N  
 LON 081-55-18W

YEAR 1967  
 MONTH 06  
 DAY 21  
 TIME 0125

NO. DEPTHS 07  
 SOUNDING 0204  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	6.0	18.77	0.7	320	8.490		9.75	0.107
4.0		18.45	0.7	318	8.550		9.86	0.097
7.0		17.87	0.8	319	8.540		9.71	0.105
10.0		17.66	0.8	324	8.500		9.72	0.097
13.0		17.04	0.8	324	8.540		9.92	0.090
16.0		10.21	1.7	337	8.080		9.01	0.119
19.0		9.94	3.3	334	7.870		8.28	0.127

DEPTH	NO2NF	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.007	0.070	300E00	000E00	000E00	400E02	100E02
4.0	0.007	0.100					
7.0	0.007	0.085	000E00				
10.0	0.007	0.070					
13.0	0.007	0.060					
16.0	0.006	0.225					
19.0	0.006	0.370	000E00	000E00	000E00	540E02	100E02

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

LAT 41-35-24N  
 LON 081-59-27W

YEAR 1967  
 MONTH 06  
 DAY 21  
 TIME 0215

NO. DEPTHS 06  
 SOUNDING 0174  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		16.57	1.5	326	8.470		10.72	0.093
4.0		15.56	1.4	326	8.440		10.56	0.087
7.0		15.07	1.3	329	8.190		9.36	0.097
10.0		15.02	1.0	329	8.260		9.43	0.105
13.0		10.81	1.5	328	8.130		9.01	0.106
16.0		9.91	3.3	334	7.810		8.00	0.135

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.007	0.180	000E00		000E00	700E01	600E00
4.0	0.008	0.160					
7.0	0.008	0.175	300E00				
10.0	0.008	0.170					
13.0	0.008	0.200					
16.0	0.006	0.425	000E00		100E00	100E02	300E01

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

LAT 41-35-27N  
 LON 082-07-27W

YEAR 1967  
 MONTH 06  
 DAY 21  
 TIME 0310

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.17	1.5	327	8.460		9.92	0.143
4.0		15.98	1.5	327	8.360		9.07	0.148
7.0		14.85	2.0	331	8.150		9.12	0.185
10.0		14.51	3.0	338	8.140		8.22	0.172
13.0		13.80	6.5	336	8.040		7.64	0.196

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.007	0.205	300E00		000E00	600E01	140E01
4.0	0.008	0.210					
7.0	0.008	0.320	000E00				
10.0	0.009	0.350					
13.0	0.011	0.490	100E00		000E00	120E02	300E01

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

LAT 41-31-18N  
 LON 082-04-42W

YEAR 1967  
 MONTH 06  
 DAY 21  
 TIME 0353

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0		18.90	4.3	324	8.090		7.98	0.200
4.0		16.34	7.9	327	8.020		7.02	0.193
7.0		15.22	11.0	336	7.970		6.65	0.198
10.0		14.38	10.0	339	7.970		7.19	0.195

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.015	0.650	400E00		000E00	250E02	110E02
4.0	0.022	0.695					
7.0	0.021	0.650	730E01				
10.0	0.017	0.590	360E01		100E00	300E02	900E01

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

LAT 41-30-03N  
 LON 082-12-51W

YEAR 1967  
 MONTH 06  
 DAY 21  
 TIME 0450

NO. DEPTHS 04  
 SOUNDING 0119  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0		18.26	2.3	311	8.320		9.02	0.150
4.0		17.33	3.0	310	8.230		8.17	0.153
7.0		16.73	5.0	314	8.080		7.44	0.177
10.0		16.40	10.5	316	8.010		6.62	0.193

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.008	0.540	000E00		000E00	700E01	600E01
4.0	0.009	0.550					
7.0	0.013	0.700	400E00				
10.0	0.017	0.940	100E00		000E00	300E02	100E02

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

LAT 41-31-12N  
 LON 082-19-51W

YEAR 1967  
 MONTH 06  
 DAY 21  
 TIME 0548

NO. DEPTHS 04  
 SOUNDING 0137  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		18.63	2.4	307	8.380		8.93	0.162
4.0		18.55	2.4	309	8.370		8.81	0.150
7.0		17.66	2.7	309	8.260		8.11	0.150
10.0		17.43	3.7	311	8.160		7.89	0.157

DEPTH	NO2NF	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.008	0.430	100E00		000E00	120E02	400E01
4.0	0.009	0.445					
7.0	0.009	0.430	000E00		000E00	340E02	240E02
10.0	0.011	0.470					

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

LAT 41-26-30N  
 LON 082-24-24W

YEAR 1967  
 MONTH 06  
 DAY 21  
 TIME 0652

NO. DEPTHS 04  
 SOUNDING 0119  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		21.29	10.0	312	8.390		7.86	0.150
4.0		20.45	11.0	314	8.250		6.91	0.163
7.0		19.70	8.6	312	8.330		7.47	0.165
10.0		18.09	13.0	323	8.090		6.90	0.207

DEPTH	NO2NF	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.019	0.600	200E00		000E00	200E02	500E01
4.0	0.023	0.650					
7.0	0.021	0.625	100E00				
10.0	0.023	0.860	300E00		000E00	200E02	300E02

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

LAT 41-25-33N  
 LON 082-32-48W

YEAR 1967  
 MONTH 06  
 DAY 21  
 TIME 0759

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0		20.53	13.0	305	8.200		7.05	0.148
4.0		20.49	14.0	306	8.210		7.00	0.142
7.0		20.48	14.0	306	8.190		6.96	0.143
10.0		20.18	22.0	315	8.010		6.54	0.187

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.022	0.740	000E00		000E00	450E02	350E02
4.0	0.022	0.750					
7.0	0.022	0.770	400E00				
10.0	0.028	0.760	800E00		000E00	120E03	630E02

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

LAT 41-31-27N  
 LON 082-27-45W

YEAR 1967  
 MONTH 06  
 DAY 21  
 TIME 0904

NO. DEPTHS 05  
 SOUNDING 0137  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0		21.17	3.6	305	8.540		8.28	0.122
4.0		20.82	3.6	306	8.540		7.92	0.117
7.0		18.91	3.8	302	8.410		7.94	0.113
10.0		18.67	3.7	302	8.360		7.92	0.112
13.0		18.57	3.3	305	8.360		7.91	0.118

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.013	0.530	000E00		000E00	500E02	500E02
4.0	0.013	0.520					
7.0	0.012	0.480	100E00				
10.0	0.012	0.485					
13.0	0.012	0.480	100E00		000E00	700E02	600E02



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

LAT 41-31-54N  
 LON 082-35-36W  
 YEAR 1967  
 MONTH 06  
 DAY 21  
 TIME 1000

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	2.5	20.65	3.0	303	8.440		8.36	0.125
4.0		19.92	3.7	299	8.430		7.70	0.087
7.0		20.78	3.2	301	8.450		8.40	0.115
10.0		20.38	3.9	298	8.450		8.17	0.105

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.013	0.430	000E00		000E00	500E02	400E02
4.0	0.012	0.390					
7.0	0.013	0.440	000E00				
10.0	0.013	0.425	000E00		000E00	200E02	140E02

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

LAT 41-49-18N  
 LON 083-08-18W  
 YEAR 1967  
 MONTH 06  
 DAY 22  
 TIME 1706

NO. DEPTHS 03  
 SOUNDING 0091  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	1.0	22.25	12.0	305	8.570		10.02	0.198
4.0		21.77	13.0	303	8.380		7.38	0.194
7.0		21.56	13.0	299	8.290		7.38	0.177

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.024	0.925	600E00	400E00	000E00	400E02	250E02
4.0	0.025	0.885					
7.0	0.025	0.880	140E01	000E00	300E00	100E02	200E02

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

LAT 41-55-36N  
 LON 083-04-21W  
 YEAR 1967  
 MONTH 06  
 DAY 22  
 TIME 1823

NO. DEPTHS 03  
 SOUNDING 0093  
 BT SLIDE NO 002

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	2.0	21.44	4.5	281	8.560		9.71	0.115
4.0		19.87	5.3	290	8.490		8.85	0.120
7.0		19.79	4.2	290	8.430		8.54	0.115

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.007	0.260	160E01	000E00	000E00	200E02	200E02
4.0	0.007	0.250					
7.0	0.007	0.290	360E01	400E00	000E00	210E02	200E02

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

LAT 41-53-36N  
 LON 083-11-48W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 0154

NO. DEPTHS 03  
 SOUNDING 0082  
 BT SLIDE NO 003

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		22.18	3.0	244	8.740	80.5	11.14	0.090
4.0		20.52	4.1	245	8.450	79.0	8.73	0.090
7.0		20.06	4.1	242	8.240	79.5	7.73	0.093

DEPTH	NO2NF	R SI02	MF CDL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.008	0.335	000E00	000E00	000E00	120E03	800E02
4.0	0.006	0.350					
7.0	0.007	0.490	000E00	200E00	000E00	230E02	170E02

DEPTH	F RES	TT ALK	S SD4	CA NFA	MG NF	K NFS	NA NFS
1.0	180.0	81.7	18.2	30.900	7.300	1.100	7.100
4.0							
7.0							

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.017	0.200	0.004	0.001	0.015
4.0								
7.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.008	0.120	0.012	5	13.7	107.2	
4.0							
7.0							

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

LAT 41-45-03N  
 LON 083-05-00W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 0339

NO. DEPTHS 03  
 SOUNDING 0098  
 BT SLIDE NO 004

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		23.01	4.6	273	8.620	84.5	9.10	0.100
4.0		21.35	6.5	273	8.380	84.2	7.52	0.102
7.0		21.26	6.7	274	8.350	84.0	7.30	0.097

DEPTH	NO2NF	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.020	0.655	000E00	000E00	000E00	240E02	100E02
4.0	0.022	0.670					
7.0	0.022	0.780	400E00	000E00	000E00	900E02	200E02

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	160.0	88.6	21.2	33.600	7.700	1.300	7.900
4.0							
7.0							

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.021	0.200	0.010	0.003	0.010
4.0								
7.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.005	0.145	0.012	5	16.7	115.6	
4.0							
7.0							

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

LAT 41-49-48N  
 LON 083-01-18W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 0450

NO. DEPTHS 03  
 SOUNDING 0104  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		23.10	5.2	277	8.720	82.2	9.55	0.095
4.0		21.68	5.4	277	8.540	81.3	8.26	0.083
7.0		21.49	5.3	276	8.380	80.8	7.39	0.092

DEPTH	NO2NF	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.018	0.760	000E00	000E00	000E00	300E01	400E01
4.0	0.017	0.680					
7.0	0.018	0.675	000E00	000E00	000E00	700E01	140E02

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

LAT 41-49-45N  
LON 082-53-27W

YEAR 1967  
MONTH 06  
DAY 23  
TIME 0559

NO. DEPTHS 03  
SOUNDING 0104  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		21.81	3.0	278	8.690	81.4	9.26	0.120
4.0		20.61	4.2	276	8.330	83.5	7.61	0.133
7.0		20.53	4.6	286	8.310	83.0	7.53	0.118

DEPTH	NO2NF	R SIO2	MF CDL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.014	0.700	300E00		000E00	600E01	300E01
4.0	0.017	0.720					
7.0	0.017	0.725	000E00		000E00	800E01	900E01

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

LAT 41-44-45N  
LON 082-58-24W

YEAR 1967  
MONTH 06  
DAY 23  
TIME 0656

NO. DEPTHS 03  
SOUNDING 0101  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		22.26	3.6	266	8.640	78.5	9.27	0.071
4.0		21.79	3.9	267	8.570	78.0	8.76	0.068
7.0		21.06	4.0	265	8.320	77.2	7.49	0.067

DEPTH	NO2NF	R SIO2	MF CDL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.012	0.640	000E00		000E00	280E02	400E01
4.0	0.012	0.655					
7.0	0.013	0.610	000E00		000E00	280E02	240E02

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

LAT 41-41-00N  
 LON 082-55-45W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 0750

NO. DEPTHS 03  
 SOUNDING 0083  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0		21.87	4.3	304	8.410	84.5	8.04	0.160
4.0		21.87	3.8	305	8.410	83.5	7.94	0.150
7.0		20.89	3.8	305	8.340	83.6	7.17	0.150

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.023	0.790	000E00		000E00	140E02	180E02
4.0	0.024	0.840					
7.0	0.025	0.810	000E00		000E00	300E02	200E02

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

LAT 41-44-33N  
 LON 082-51-57W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 0838

NO. DEPTHS 03  
 SOUNDING 0091  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0		21.43	2.3	294	8.580	83.7	9.19	0.132
4.0		21.39	2.7	295	8.530	83.4	9.10	0.137
7.0		19.85	2.8	295	8.360	83.5	7.98	0.143

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.017	0.680	000E00		000E00	240E02	400E01
4.0	0.017	0.705					
7.0	0.021	0.760	000E00		000E00	140E02	800E01

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

LAT 41-49-33N  
 LON 082-45-09W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 0949

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		21.13	2.9	304	8.580	84.3	8.85	0.180
4.0		21.07	3.0	304	8.530	84.2	8.76	0.175
7.0		20.12	5.0	306	8.450	83.0	7.70	0.170
10.0		19.83	5.8	306	8.330	83.2	7.13	0.172

DEPTH	NO2NF	R SIO2	MF COL	MF FCC	MF STR	SPC 20	SPC 35
1.0	0.022	0.780	000E00		000E00	600E01	300E01
4.0	0.021	0.825					
7.0	0.020	0.750	000E00				
10.0	0.022	0.885	000E00		100E00	220E02	200E02

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

LAT 41-43-21N  
 LON 082-45-15W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 1050

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	1.7	20.55	4.5	302	8.400	81.9	8.23	0.168
4.0		20.54	3.6	300	8.400	81.9	8.12	0.157
7.0		19.93	3.8	299	8.320	81.5	8.01	0.143
10.0		19.41	3.7	300	8.250	82.5	6.94	0.142

DEPTH	NO2NF	R SIO2	MF COL	MF FCC	MF STR	SPC 20	SPC 35
1.0	0.020	0.825	000E00		000E00	220E02	120E02
4.0	0.021	0.905					
7.0	0.018	0.850	000E00				
10.0	0.019	0.940	000E00		300E00	400E01	400E01

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

LAT 41-37-54N  
 LON 082-46-06W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 1149

NO. DEPTHS 03  
 SOUNDING 0091  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	1.5	21.36	4.4	304	8.310	81.7	8.25	0.145
4.0		21.28	5.1	304	8.370	81.3	7.90	0.145
7.0		20.13	7.1	304	8.220	81.0	6.82	0.144

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.021	0.870	000E00		000E00	160E02	800E01
4.0	0.021	0.870					
7.0	0.022	0.870	000E00		000E00	960E02	380E02

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

LAT 41-37-00N  
 LON 082-38-54W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 1316

NO. DEPTHS 04  
 SOUNDING 0134  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	1.5	20.51	5.0	304	8.270	80.7	7.46	0.138
4.0		20.47	4.7	304	8.280	80.5	7.41	0.130
7.0		20.41	5.0	303	8.260	80.0	7.38	0.130
10.0		20.29	4.8	304	8.230	79.2	7.24	0.125

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.018	0.705	300E01		100E00	400E02	220E02
4.0	0.018	0.695					
7.0	0.018	0.675	140E01				
10.0	0.018	0.640	200E01		000E00	220E02	160E02

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

LAT 41-36-45N  
 LON 082-31-09W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 1418

NO. DEPTHS 04  
 SOUNDING 0134  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	4.5	20.22	1.8	306	8.450	88.5	8.93	0.117
4.0		19.99	1.7	307	8.470	88.7	8.77	0.107
7.0		19.01	2.6	308	8.370	87.7	8.23	0.112
10.0		18.85	2.9	309	8.350	88.8	8.25	0.132

DEPTH	NO2NF	R SI02	MF COL	MF FCC	MF STR	SPC 20	SPC 35
1.0	0.007	0.430	000E00		000E00	720E01	300E01
4.0	0.007	0.440					
7.0	0.007	0.425	000E00				
10.0	0.007	0.445	000E00		000E00	370E02	260E02

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

LAT 41-36-15N  
 LON 082-23-06W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 1515

NO. DEPTHS 05  
 SOUNDING 0149  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	4.5	20.09	1.9	307	8.480	88.4	9.26	0.125
4.0		19.47	1.7	306	8.460	88.3	8.95	0.117
7.0		18.45	2.6	308	8.350	87.6	8.46	0.137
10.0		18.36	2.5	309	8.320	87.5	8.36	0.135
13.0		16.64	2.5	308	8.050	87.3	7.84	0.137

DEPTH	NO2NF	R SI02	MF COL	MF FCC	MF STR	SPC 20	SPC 35
1.0	0.007	0.430	240E01		000E00	140E02	560E01
4.0	0.007	0.435					
7.0	0.007	0.435	000E00				
10.0	0.007	0.445					
13.0	0.008	0.485	000E00		800E00	420E02	460E01



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

LAT 41-41-45N  
 LON 082-27-09W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 1619

NO. DEPTHS 04  
 SOUNDING 0131  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	2.5	21.18	2.4	294	8.670	86.0	9.88	0.070
4.0		20.94	2.6	292	8.740	85.5	9.78	0.067
7.0		19.24	2.9	296	8.420	85.7	8.29	0.070
10.0		19.14	3.2	297	8.380	85.5	7.94	0.075

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.010	0.660	000E00		000E00	400E01	380E01
4.0	0.010	0.675					
7.0	0.008	0.640	000E00				
10.0	0.010	0.520	000E00		000E00	180E02	220E02

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

LAT 41-42-03N  
 LON 082-34-54W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 1729

NO. DEPTHS 04  
 SOUNDING 0119  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	2.0	21.14	3.7	297	8.310	86.0	7.86	0.113
4.0		21.06	3.2	296	8.310	86.0	7.72	0.110
7.0		20.51	2.3	296	8.350	84.3	7.72	0.092
10.0		19.43	2.6	296	8.370	84.0	7.89	0.075

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.010	0.585	800E00		000E00	150E02	800E01
4.0	0.010	0.580					
7.0	0.010	0.530	200E00				
10.0	0.007	0.500	000E00		000E00	800E01	600E01

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

LAT 41-48-48N  
 LON 082-30-21W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 1842

NO. DEPTHS 04  
 SOUNDING 0119  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	2.3	21.11	2.4	294	8.670	82.7	8.82	0.067
4.0		21.16	2.4	293	8.660	82.8	8.82	0.067
7.0		20.69	2.8	293	8.620	82.4	8.56	0.067
10.0		19.35	3.6	297	8.380	83.3	7.42	0.083

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.008	0.640	000E00		000E00	160E02	840E01
4.0	0.008	0.645					
7.0	0.009	0.615	000E00				
10.0	0.011	0.650	000E00		000E00	290E02	200E02

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

LAT 41-54-30N  
 LON 082-34-21W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 1956

NO. DEPTHS 04  
 SOUNDING 0107  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	3.0	21.37	1.7	285	8.670	82.5	8.87	0.067
4.0		21.26	1.7	288	8.650	82.5	8.76	0.063
6.0		19.96	1.5	290	8.510	82.7	7.52	0.065
9.0		18.84	1.5	295	8.150	82.8	5.47	0.090

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.008	0.750	000E00		000E00	190E02	180E02
4.0	0.008	0.780					
6.0	0.008	0.800	000E00				
9.0	0.010	1.330	000E00		000E00	880E02	620E02

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

LAT 41-54-24N  
 LON 082-41-00W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 2059

NO. DEPTHS 04  
 SOUNDING 0116  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	2.0	21.69	1.5	283	8.780	80.7	10.00	0.083
4.0		21.65	1.6	284	8.770	80.5	10.02	0.083
7.0		21.33	1.5	284	8.720	80.0	9.36	0.077
10.0		19.95	3.5	294	8.370	80.8	7.02	0.140

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.011	0.740	000E00		000E00	400E02	200E02
4.0	0.012	0.795					
7.0	0.011	0.780	000E00				
10.0	0.013	0.940	000E00		000E00	350E02	250E02

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

LAT 41-59-09N  
 LON 082-36-15W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 2155

NO. DEPTHS 03  
 SOUNDING 0101  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	2.0	21.87	2.4	293	8.880	87.0	10.02	0.060
4.0		21.84	2.1	294	8.890	87.0	10.02	0.057
7.0		21.55	2.2	293	8.840	87.3	9.72	0.065

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.010	0.700	000E00		000E00	800E02	400E02
4.0	0.011	0.705					
7.0	0.011	0.650	100E00		000E00	750E02	460E02

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

LAT 41-59-21N  
 LUN 082-45-00W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 2257

NO. DEPTHS 03  
 SOUNDING 0098  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	2.5	21.57	1.6	289	8.720	87.6	9.07	0.070
4.0		21.45	1.6	289	8.680	87.7	8.90	0.063
7.0		20.75	1.5	287	8.540	86.7	8.25	0.065

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.008	0.655					
4.0	0.008	0.660					
7.0	0.008	0.660					

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

LAT 41-54-30N  
 LON 082-48-48W

YEAR 1967  
 MONTH 06  
 DAY 23  
 TIME 2355

NO. DEPTHS 04  
 SOUNDING 0113  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	2.0	22.15	2.2	267	8.640	81.4	11.38	0.065
4.0		21.71	2.4	272	8.610	81.9	10.13	0.080
7.0		21.04	1.9	281	8.450	83.5	8.84	0.102
10.0		20.14	4.3	297	8.170	86.2	6.62	0.147

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.010	0.430	100E01		000E00	250E02	110E02
4.0	0.010	0.495					
7.0	0.012	0.590	000E00				
10.0	0.018	1.055	000E00		000E00	250E02	180E02

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

LAT 41-55-12N  
 LON 082-56-54W

YEAR 1967  
 MONTH 06  
 DAY 24  
 TIME 0054

NO. DEPTHS 03  
 SCUNDING 0104  
 BT SLIDE NO 005

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	1.5	22.77	3.0	267	8.650	80.0	9.86	0.085
4.0		22.00	3.1	268	8.450	83.5	8.54	0.078
7.0		21.41	3.0	261	8.240	83.0	7.52	0.073

DEPTH	NO2NF	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.012	0.570	000E00		000E00	300E02	180E02
4.0	0.010	0.545					
7.0	0.008	0.535	000E00		000E00	350E02	250E02

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	196.0	82.7	20.2	32.000	7.700	1.200	8.300
4.0							
7.0							

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.023	0.500	0.004	0.002	0.215
4.0								
7.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.006	0.135	0.014	5	17.0	111.6	
4.0							
7.0							

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

LAT 41-52-27N  
 LON 082-26-12W

YEAR 1967  
 MONTH 06  
 DAY 24  
 TIME 0418

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		20.26	2.0	298	8.530	87.0	8.81	0.073
4.0		20.11	1.9	299	8.560	87.5	8.82	0.067
7.0		19.54	2.0	300	8.460	87.7	8.40	0.067
10.0		18.87	2.5	304	8.410	88.0	7.97	0.075

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.005	0.430	100E00		000E00	600E01	400E01
4.0	0.005	0.425					
7.0	0.005	0.380	000E00				
10.0	0.005	0.340	000E00		000E00	400E01	800E01

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

LAT 41-47-30N  
 LON 082-22-00W

YEAR 1967  
 MONTH 06  
 DAY 24  
 TIME 0523

NO. DEPTHS 05  
 SOUNDING 0143  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		20.50	1.7	300	8.610	87.6	9.44	0.065
4.0		20.50	1.6	298	8.610	88.0	9.43	0.065
7.0		19.50	2.2	299	8.460	88.2	8.56	0.070
10.0		18.47	3.2	299	8.300	88.4	7.90	0.065
13.0		12.93	3.4	316	7.790	91.0	4.99	0.073

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.005	0.315	000E00		000E00	840E01	400E01
4.0	0.005	0.325					
7.0	0.005	0.410	000E00				
10.0	0.007	0.425					
13.0	0.005	0.725	100E00		000E00	900E01	600E01

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

LAT 41-46-27N  
 LON 082-14-39W

YEAR 1967  
 MONTH 06  
 DAY 24  
 TIME 0627

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		20.16	0.9	311	8.560	88.5	8.98	0.083
4.0		20.16	0.9	310	8.540	90.2	8.98	0.075
7.0		19.08	1.4	309	8.470	91.0	8.65	0.077
10.0		18.71	1.7	305	8.390	90.7	8.17	0.075
13.0		12.06	1.9	323	7.830	91.2	6.15	0.170

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.004	0.245	000E00		000E00	840E01	600E01
4.0	0.005	0.225					
7.0	0.005	0.300	000E00				
10.0	0.004	0.345					
13.0	0.009	0.645	660E01		000E00	420E01	400E01

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

LAT 41-45-21N  
 LON 081-58-24W

YEAR 1967  
 MONTH 06  
 DAY 24  
 TIME 0814

NO. DEPTHS 07  
 SOUNDING 0216  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		19.48	0.8	311	8.540	88.0	8.95	0.094
4.0		19.46	0.8	312	8.510	88.4	8.57	0.088
7.0		18.47	1.0	309	8.400	88.7	8.40	0.093
10.0		18.16	1.5	309	8.320	90.4	8.11	0.113
13.0		17.57	1.5	312	8.280	90.0	7.97	0.107
16.0		10.92	2.0	338	7.870	90.8	7.19	0.167
19.0		10.75	2.6	339	7.840	91.0	7.44	0.173

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.003	0.215	000E00		000E00	720E01	400E01
4.0	0.003	0.215					
7.0	0.003	0.275	000E00				
10.0	0.003	0.310					
13.0	0.004	0.325					
16.0	0.005	0.500					
19.0	0.004	0.495	100E00		000E00	320E01	680E01

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

LAT 41-55-51N  
 LON 081-54-21W

YEAR 1967  
 MONTH 06  
 DAY 24  
 TIME 1004

NO. DEPTHS 08  
 SOUNDING 0238  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	7.7	18.36	0.5	324	8.620	91.6	9.89	0.027
4.0		18.35	0.5	324	8.620	92.0	9.89	0.025
7.0		18.17	0.5	324	8.640	92.2	9.91	0.025
10.0		17.11	0.5	324	8.590	91.7	9.81	0.023
13.0		16.34	0.6	323	8.540	92.2	9.60	0.027
16.0		14.72	0.9	323	8.430	91.6	9.41	0.043
19.0		9.94	1.2	327	7.930	91.8	8.40	0.095
22.0		9.95	1.0	327	7.900	92.0	8.39	0.097

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	0.055	400E00		000E00	200E01	440E01
4.0	0.002	0.070					
7.0	0.002	0.070	000E00				
10.0	0.002	0.070					
13.0	0.002	0.065					
16.0	0.002	0.080					
19.0	0.002	0.300					
22.0	0.004	0.305	400E00		100E00	360E01	400E01

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

LAT 41-57-18N  
 LON 082-06-06W

YEAR 1967  
 MONTH 06  
 DAY 24  
 TIME 1203

NO. DEPTHS 07  
 SOUNDING 0216  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	8.0	19.74	0.5	311	8.550	90.3	9.16	0.055
4.0		19.72	0.7	312	8.600	90.8	9.15	0.058
7.0		19.64	0.7	311	8.610	90.5	9.15	0.052
10.0		18.84	0.6	311	8.600	91.0	9.26	0.052
13.0		18.14	0.7	313	8.570	91.2	8.93	0.052
16.0		11.75	1.2	312	7.760	93.2	6.73	0.085
19.0		11.64	1.7	314	7.740	93.0	6.75	0.075

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.003	0.115	100E00		000E00	400E01	800E01
4.0	0.003	0.130					
7.0	0.003	0.120	100E00				
10.0	0.003	0.115					
13.0	0.003	0.100					
16.0	0.005	0.465					
19.0	0.005	0.480	100E00		000E00	240E01	640E01



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

LAT 41-56-57N  
 LON 082-22-00W

YEAR 1967  
 MONTH 06  
 DAY 24  
 TIME 1337

NO. DEPTHS 05  
 SOUNDING 0168  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	9.0	20.00	0.8	311	8.540	89.5	8.84	0.057
4.0		19.98	0.8	311	8.580	91.6	8.82	0.057
7.0		19.44	0.6	311	8.580	91.5	8.73	0.057
10.0		19.30	0.7	312	8.590	91.4	8.84	0.053
13.0		19.97	0.7	312	8.580	91.0	8.85	0.055

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.005	0.140	240E01		000E00	600E01	600E01
4.0	0.010	0.145					
7.0	0.004	0.155	100E00				
10.0	0.003	0.155					
13.0	0.003	0.145	700E00		000E00	240E01	700E01

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

LAT 42-05-00N  
 LON 082-23-51W

YEAR 1967  
 MONTH 06  
 DAY 24  
 TIME 1450

NO. DEPTHS 04  
 SOUNDING 0116  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	2.7	19.34	2.7	304	8.480	88.8	8.73	0.067
4.0		19.25	3.0	302	8.460	89.3	8.62	0.055
7.0		19.17	3.0	301	8.420	89.3	8.57	0.053
10.0		18.77	1.9	304	8.310	89.8	8.32	0.060

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.004	0.260					
4.0	0.003	0.295					
7.0	0.003	0.265					
10.0	0.003	0.265					

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

LAT 42-06-21N  
 LON 082-12-45W

YEAR 1967  
 MONTH 06  
 DAY 24  
 TIME 1612

NO. DEPTHS 07  
 SOUNDING 0204  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	6.5	20.08	0.8	303	8.590	88.6	9.09	0.025
4.0		19.92	0.8	302	8.590	88.5	9.10	0.025
7.0		19.67	0.9	303	8.580	88.7	9.07	0.023
10.0		19.12	0.6	307	8.570	89.0	8.98	0.023
13.0		18.49	0.6	308	8.500	89.5	8.96	0.015
16.0		11.47	1.0	315	7.820	90.3	7.22	0.052
19.0		11.27	1.4	315	7.770	90.6	7.14	0.057

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	0.160	000E00		000E00	100E02	500E01
4.0	0.001	0.160					
7.0	0.001	0.155	000E00				
10.0	0.002	0.150					
13.0	0.005	0.140					
16.0	0.002	0.495	100E00		000E00	400E01	350E01
19.0	0.004	0.530					

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

LAT 42-06-21N  
 LON 081-57-00W

YEAR 1967  
 MONTH 06  
 DAY 24  
 TIME 1736

NO. DEPTHS 06  
 SOUNDING 0189  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		20.06	0.8	306	8.620	89.4	9.44	0.010
4.0		19.78	0.8	305	8.630	90.0	9.41	0.010
7.0		19.34	0.9	305	8.630	89.6	9.55	0.007
10.0		18.49	0.7	311	8.550	89.6	9.32	0.008
13.0		18.10	0.8	312	8.490	89.6	9.24	0.010
16.0		11.40	1.2	311	7.790	90.4	7.30	0.025

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.003	0.130	000E00		000E00	400E01	400E01
4.0	0.001	0.155					
7.0	0.001	0.160	000E00				
10.0	0.002	0.150					
13.0	0.001	0.150					
16.0	0.001	0.420	100E00		000E00	450E01	400E01

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

LAT 42-13-03N  
 LON 082-03-18W

YEAR 1967  
 MONTH 06  
 DAY 24  
 TIME 1900

NO. DEPTHS 05  
 SOUNDING 0146  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	3.0	20.04	2.3	298	8.420	88.7	8.95	0.053
4.0		19.71	2.9	299	8.380	88.5	8.95	0.053
7.0		19.34	2.5	300	8.420	88.5	8.85	0.053
10.0		14.74	1.6	307	8.220	89.5	8.12	0.038
13.0		11.63	2.1	316	7.860	91.0	6.83	0.073

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	0.215	000E00		600E00	500E01	400E01
4.0	0.002	0.225					
7.0	0.003	0.210	200E00				
10.0	0.002	0.275					
13.0	0.003	0.540	000E00		100E00	480E02	170E02

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

LAT 42-11-15N  
 LON 081-52-57W

YEAR 1967  
 MONTH 06  
 DAY 24  
 TIME 2016

NO. DEPTHS 06  
 SOUNDING 0177  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	5.7	20.50	1.0	299	8.600	89.3	9.27	0.037
4.0		20.27	1.0	299	8.640	89.7	9.29	0.030
7.0		19.82	1.3	301	8.590	90.0	9.26	0.027
10.0		19.51	1.5	303	8.580	90.0	9.19	0.027
13.0		18.13	1.4	306	8.460	91.0	8.98	0.027
16.0		12.27	2.3	318	7.960	91.6	6.90	0.080

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	0.150	000E00		100E00	450E02	100E02
4.0	0.002	0.155					
7.0	0.002	0.155	000E00				
10.0	0.002	0.155					
13.0	0.002	0.160					
16.0	0.004	0.470	300E00		000E00	440E02	130E02

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

LAT 42-05-48N  
 LON 081-41-33W

YEAR 1967  
 MONTH 06  
 DAY 24  
 TIME 2149

NO. DEPTHS 08  
 SOUNDING 0244  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	9.0	20.13	0.6	314	8.670	89.5	9.49	0.035
4.0		20.08	0.7	313	8.670	89.4	9.50	0.033
7.0		19.69	0.5	316	8.680	89.9	9.67	0.030
10.0		17.76	0.6	317	8.660	90.8	9.91	0.025
13.0		16.12	0.6	319	8.530	91.4	9.77	0.027
16.0		10.32	1.0	320	7.890	90.8	8.45	0.140
19.0		10.15	1.1	322	7.830	90.4	8.31	0.143
22.0		10.21	1.1	321	7.820	91.0	8.28	0.145

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	0.115	480E01		000E00	600E01	500E01
4.0	0.002	0.125					
7.0	0.002	0.100	000E00				
10.0	0.002	0.090					
13.0	0.002	0.090					
16.0	0.005	0.280					
19.0	0.005	0.315					
22.0	0.005	0.330	000E00		000E00	200E02	100E02

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

LAT 42-15-24N  
 LON 081-31-51W

YEAR 1967  
 MONTH 06  
 DAY 24  
 TIME 2325

NO. DEPTHS 07  
 SOUNDING 0228  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	9.0	20.16	0.5	311	8.660	90.6	9.53	0.025
4.0		19.78	0.6	310	8.660	90.4	9.64	0.030
7.0		18.63	0.7	310	8.620	90.0	9.63	0.045
10.0		18.21	0.6	311	8.600	90.8	9.50	0.063
13.0		15.77	0.7	314	8.490	90.5	9.45	0.067
16.0		10.03	1.0	321	7.910	91.4	8.65	0.097
19.0		9.96	1.2	320	7.900	91.7	8.56	0.100

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	0.115	150E01		300E00	150E02	120E02
4.0	0.002	0.108					
7.0	0.002	0.105	000E00				
10.0	0.005	0.095					
13.0	0.005	0.085					
16.0	0.005	0.265					
19.0	0.005	0.275	800E00		100E00	130E02	600E01

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

LAT 42-16-06N  
 LON 081-48-03W

YEAR 1967  
 MONTH 06  
 DAY 25  
 TIME 0100

NO. DEPTHS 05  
 SOUNDING 0168  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0		19.65	2.3	309	8.420	91.3	8.76	0.033
4.0		19.63	2.5	309	8.430	91.5	8.77	0.033
7.0		18.21	2.4	308	8.390	91.1	8.70	0.037
10.0		12.97	2.8	311	7.820	92.5	6.54	0.100
13.0		11.24	2.5	318	7.750	91.6	6.60	0.107

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	0.190					
4.0	0.003	0.207					
7.0	0.003	0.208					
10.0	0.005	0.508					
13.0	0.005	0.495					

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

LAT 42-21-24N  
 LON 081-47-36W

YEAR 1967  
 MONTH 06  
 DAY 25  
 TIME 0150

NO. DEPTHS 05  
 SOUNDING 0146  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0		19.38	1.7	314	8.470	90.5	9.07	0.022
4.0		19.35	1.7	314	8.470	91.0	9.02	0.020
7.0		19.31	1.7	313	8.490	91.7	9.09	0.020
10.0		12.84	1.7	317		92.2	6.96	0.083
13.0		12.08	1.7	318		92.0	6.43	0.095

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	0.148					
4.0	0.001	0.150					
7.0	0.001	0.145					
10.0	0.002	0.397					
13.0	0.002	0.505					

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

LAT 42-26-15N  
 LON 081-38-57W

YEAR 1967  
 MONTH 06  
 DAY 25  
 TIME 0248

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		19.59	2.0	313	8.430	90.0	9.19	0.030
4.0		19.48	2.0	313	8.480	91.2	9.19	0.027
7.0		19.34	1.7	313	8.500	93.0	9.23	0.025
10.0		13.25	2.5	319	7.940	95.8	6.70	0.050

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.150	440E01		000E00	900E01	800E01
4.0	0.000	0.153					
7.0	0.000	0.150	000E00				
10.0	0.001	0.295	400E00		000E00	800E01	700E01

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

LAT 42-33-15N  
 LON 081-28-15W

YEAR 1967  
 MONTH 06  
 DAY 25  
 TIME 0419

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		19.56	4.7	317	8.410	94.0	8.95	0.023
4.0		19.55	4.3	316	8.430	93.1	8.88	0.023
7.0		19.55	4.3	317	8.430	94.0	8.93	0.023
10.0		17.71	2.2	315	8.440	93.0	9.10	0.020

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	0.195	400E00		100E00	120E02	100E02
4.0	0.001	0.180					
7.0	0.001	0.180	800E00				
10.0	0.001	0.140	500E00		000E00	120E02	600E01

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

LAT 42-25-30N  
 LON 081-22-54W

YEAR 1967  
 MONTH 06  
 DAY 25  
 TIME 0534

NO. DEPTHS 07  
 SOUNDING 0201  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		19.65	0.7	310	8.630	93.0	9.54	0.027
4.0		19.64	1.7	308	8.640	93.0	9.52	0.027
7.0		19.61	1.5	309	8.630	92.4	9.47	0.025
10.0		18.93	0.7	309	8.620	92.0	9.54	0.033
13.0		17.04	0.7	310	8.510	92.1	9.13	0.043
16.0		10.40	1.0	317	7.890	91.5	7.78	0.125
19.0		10.38	1.2	317	7.780	92.0	7.78	0.125

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	0.125	000E00		000E00	800E01	500E01
4.0	0.001	0.170					
7.0	0.001	0.150	000E00				
10.0	0.002	0.125					
13.0	0.002	0.130					
16.0	0.003	0.375					
19.0	0.003	0.383	000E00		000E00	100E02	600E01

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

LAT 42-14-30N  
 LON 081-16-24W

YEAR 1967  
 MONTH 06  
 DAY 25  
 TIME 0736

NO. DEPTHS 07  
 SOUNDING 0219  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		18.43	0.7	312	8.570	91.0	9.95	0.058
4.0		18.43	0.5	311	8.560	91.3	9.94	0.055
7.0		18.27	0.6	311	8.580	90.8	9.95	0.058
10.0		18.12	0.5	312	8.580	90.8	9.86	0.058
13.0		17.17	0.7	312	8.520	90.8	9.72	0.060
16.0		9.78	0.8	314	7.800	89.9	8.17	0.147
19.0		9.63	0.9	314	7.780	89.0	8.12	0.150

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	0.075	000E00		000E00	100E02	500E01
4.0	0.001	0.113					
7.0	0.001	0.065	000E00				
10.0	0.001	0.080					
13.0	0.001	0.075					
16.0	0.002	0.335					
19.0	0.002	0.355	100E00		000E00	120E02	500E01

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

LAT 42-04-18N  
 LON 081-08-21W

YEAR 1967  
 MONTH 06  
 DAY 25  
 TIME 0930

NO. DEPTHS 08  
 SOUNDING 0231  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.76	0.4	319	8.470	91.6	9.88	0.001
4.0		17.75	0.4	317	8.460	91.2	9.86	0.001
7.0		17.70	0.4	318	8.480	91.0	9.94	0.001
10.0		17.68	0.4	317	8.480	91.7	9.92	0.001
13.0		17.52	0.4	317	8.480	91.8	9.95	0.001
16.0		12.67	0.5	316	8.400	93.7	10.78	0.001
19.0		8.82	1.0	319	7.920	94.2	9.27	0.013
22.0		8.81	0.8	319	7.900	94.7	9.07	0.015

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.040	260E01		000E00	900E01	800E01
4.0	0.000	0.050					
7.0	0.000	0.050	000E00				
10.0	0.000	0.055					
13.0	0.000	0.065					
16.0	0.000	0.075					
19.0	0.001	0.240					
22.0	0.001	0.380	100E00		000E00	120E02	700E01

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

LAT 42-03-00N  
 LON 081-24-09W

YEAR 1967  
 MONTH 06  
 DAY 25  
 TIME 1116

NO. DEPTHS 08  
 SOUNDING 0235  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.50	0.7	317	8.410	94.5	10.25	0.005
4.0		17.50	0.4	316	8.420	94.6	10.08	0.002
7.0		17.47	0.5	314	8.430	95.3	10.11	0.003
10.0		17.41	0.4	315	8.440	94.0	10.08	0.002
13.0		17.24	0.4	314	8.430	94.2	10.09	0.005
16.0		14.43	0.6	318	8.370	93.0	10.23	0.007
19.0		9.07	1.5	319	7.920	94.3	10.09	0.007
22.0		9.09	1.2	317	7.920	92.4	10.02	0.007

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	0.055	360E01		000E00	100E02	400E01
4.0	0.000	0.060					
7.0	0.000	0.055	000E00				
10.0	0.000	0.060					
13.0	0.000	0.065					
16.0	0.002	0.115					
19.0	0.002	0.295					
22.0	0.010	0.290	000E00		000E00	140E02	300E01



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

LAT 41-55-33N  
 LON 081-32-54W

YEAR 1967  
 MONTH 06  
 DAY 25  
 TIME 1245

NO. DEPTHS 08  
 SOUNDING 0235  
 BT SLIDE NO 006

DEPTH	SEC.CHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	10.0	17.61	0.8	320	8.450	88.8	10.02	
4.0		17.60	1.0	321	8.510	89.0	9.95	0.003
7.0		17.56	1.0	321	8.500	89.0	9.96	0.003
10.0		17.47	0.9	321	8.490	89.2	9.99	0.002
13.0		16.88	0.8	321	8.480	89.0	10.02	0.005
16.0		9.17	1.8	321	7.990	90.0	9.32	
19.0		9.10	1.6	321	7.880	90.7	9.29	0.010
21.0		9.12	1.8	321	7.850	89.9	9.32	0.007

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.085	200E00		000E00	800E01	600E01
4.0	0.000	0.095					
7.0	0.000	0.105	000E00				
10.0	0.000	0.090					
13.0	0.001	0.105					
16.0		0.315					
19.0	0.000	0.330					
21.0	0.001	0.320	000E00		000E00	100E02	400E01

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	190.0	90.6	25.2	37.400	8.000	1.300	11.800
4.0							
7.0							
10.0	184.0	91.6	24.8	37.700	8.000	1.300	11.800
13.0							
16.0							
19.0	186.0	91.1	23.8	37.000	8.000	1.300	11.500

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.009	0.008		0.003	0.002
4.0								
7.0								
10.0	0.000	0.000	0.000	0.015	0.012		0.003	0.002
13.0								
16.0								
19.0	0.000	0.000	0.000	0.010	0.005		0.003	0.010

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0		1.500	0.008	5	25.4	126.3	
4.0							
7.0							
10.0		0.170	0.012	5	25.0	127.0	
13.0							
16.0							
19.0		0.150	0.006	5	25.0	125.3	

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

LAT 41-49-00N  
 LON 081-22-18W

YEAR 1967  
 MONTH 06  
 DAY 25  
 TIME 1509

NO. DEPTHS 06  
 SOUNDING 0186  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	5.0	15.51	1.5	329	8.340	88.8	10.25	0.027
4.0		15.53	1.5	334	8.400	89.8	10.27	0.025
7.0		15.50	1.5	336	8.410	88.5	10.25	0.025
10.0		15.48	1.3	330	8.420	89.0	10.27	0.025
13.0		15.03	1.7	335	8.370	89.0	10.05	0.027
16.0		12.29	2.8	346	8.080	90.5	8.95	0.037

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	0.195	600E00		000E00	110E02	500E01
4.0	0.001	0.199					
7.0	0.001	0.185	000E00				
10.0	0.001	0.200					
13.0	0.001	0.195					
16.0	0.001	0.300	200E01		100E00	160E02	100E02

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

LAT 41-48-51N  
 LON 081-14-15W

YEAR 1967  
 MONTH 06  
 DAY 25  
 TIME 1618

NO. DEPTHS 05  
 SOUNDING 0168  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		15.41	2.0	347	8.380	88.4	10.20	0.040
4.0		15.43	1.8	349	8.400	89.0	10.19	0.037
7.0		15.43	2.2	350	8.390	88.5	10.16	0.040
10.0		15.45	2.0	353	8.410	86.5	10.19	0.037
13.0		15.47	2.1	354	8.400	87.0	10.16	0.040

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.003	0.245	270E01		000E00	280E02	260E02
4.0	0.003	0.210					
7.0	0.003	0.250	370E01		100E00	180E02	160E02
10.0	0.003	0.230					
13.0	0.004	0.232					

C-REF-NO 103  
 CONS. NO 084  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-53-54N  
 LON 081-17-54W

YEAR 1967  
 MONTH 06  
 DAY 25  
 TIME 1736

NO. DEPTHS 07  
 SOUNDING 0223  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		16.24	1.0	336	8.480	88.5	10.14	0.016
4.0		16.28	1.3	330	8.490	88.5	10.00	0.016
7.0		16.23	0.9	330	8.490	88.5	9.91	0.016
10.0		16.14	1.0	327	8.490	89.0	10.17	0.018
13.0		15.33	1.0	324	8.400	89.2	10.16	0.018
16.0		8.97	1.6	321	7.860	90.4	8.54	0.007
19.0		8.99	2.1	321	7.860	90.7	8.53	0.007

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	0.105	900E00		000E00	100E02	600E01
4.0	0.001	0.130					
7.0	0.001	0.115	000E00				
10.0	0.001	0.130					
13.0	0.001	0.165					
16.0	0.000	0.455					
19.0	0.001	0.467	000E00		000E00	120E02	400E01

C-REF-NO 103  
 CONS. NO 085  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-53-48N  
 LON 081-09-54W

YEAR 1967  
 MONTH 06  
 DAY 25  
 TIME 1856

NO. DEPTHS 07  
 SOUNDING 0201  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	3.2	17.34	0.7	321	8.480	90.5	9.95	0.008
4.0		17.34	0.7	321	8.480	91.0	9.92	0.008
7.0		17.33	0.7	321	8.480	92.0	9.94	0.008
10.0		17.17	0.6	321	8.500	91.7	9.92	0.008
13.0		15.26	0.9	323	8.370	92.0	9.94	0.014
16.0		9.07	1.2	322	7.880	92.4	8.85	0.008
19.0		9.01	1.8	321	7.870	92.3	8.84	0.008

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.095	100E00		000E00	120E02	500E01
4.0	0.000	0.085					
7.0	0.000	0.085	400E00				
10.0	0.000	0.097					
13.0	0.001	0.153					
16.0	0.000	0.395					
19.0	0.000	0.418	000E00		000E00	120E02	800E01

C-REF-NO 103  
 CONS. NO 086  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-52-42N  
 LON 081-01-54W

YEAR 1967  
 MONTH 06  
 DAY 25  
 TIME 2005

NO. DEPTHS 06  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	3.0	17.01	1.0	324	8.450	92.0	10.00	0.007
4.0		17.01	0.8	323	8.450	92.5	10.03	0.007
7.0		16.96	0.7	324	8.430	92.7	10.05	0.007
10.0		16.82	0.9	325	8.440	92.5	9.91	0.008
13.0		14.85	1.4	325	8.250	92.2	9.83	0.020
15.0		10.79	2.8	322	7.870	92.5	8.17	0.027

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.110	100E00		000E00	100E02	600E01
4.0	0.000	0.107					
7.0	0.000	0.118	200E00				
10.0	0.001	0.138					
13.0	0.002	0.227					
15.0	0.002	0.460	900E00		300E00	100E02	800E01

C-REF-NO 103  
 CONS. NO 087  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-53-36N  
 LON 080-54-03W

YEAR 1967  
 MONTH 06  
 DAY 25  
 TIME 2114

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	1.5	16.76	2.2	327	8.420	90.7	10.28	0.011
4.0		16.75	5.0	329	8.420	90.6	10.11	0.010
7.0		16.73	4.5	326	8.450	91.2	10.27	0.010
10.0		16.74	4.9	328	8.430	90.6	10.27	0.010

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.005	0.185	100E00		000E00	200E02	800E01
4.0	0.005	0.195					
7.0	0.005	0.195	130E01				
10.0	0.007	0.203	300E00		100E00	560E02	360E02

C-REF-NO 103  
 CONS. NO 088  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-58-06N  
 LON 080-57-21W

YEAR 1967  
 MONTH 06  
 DAY 25  
 TIME 2209

NO. DEPTHS 07  
 SOUNDING 0219  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	6.0	17.11	0.8	320	8.460	89.0	9.94	0.006
4.0		17.11	0.7	322	8.460	90.0	9.92	0.006
7.0		17.11	0.6	322	8.460	90.5	9.92	0.005
10.0		17.01	0.8	323	8.470	90.4	9.92	0.006
13.0		12.08	1.1	326	8.080	90.7	9.40	0.009
16.0		9.01	2.0	320	7.860	91.0	8.59	0.012
19.0		9.01	2.2	322	7.870	91.0	8.56	0.013

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	0.135	320E01		000E00	800E01	900E01
4.0	0.002	0.140					
7.0	0.002	0.133	400E00				
10.0	0.002	0.130					
13.0	0.002	0.265					
16.0	0.003	0.398					
19.0	0.004	0.405	400E00		000E00	140E02	600E01

C-REF-NO 103  
 CONS. NO 089  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-03-12N  
 LON 080-52-51W

YEAR 1967  
 MONTH 06  
 DAY 25  
 TIME 2317

NO. DEPTHS 07  
 SOUNDING 0210  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	9.0	17.58	0.5	317	8.500	90.2	10.02	0.003
4.0		17.58	0.5	317	8.500	90.5	10.02	0.003
7.0		17.55	0.5	318	8.510	91.0	9.99	0.003
10.0		17.54	0.5	315	8.500	91.2	10.02	0.003
13.0		16.23	0.5	319	8.470	92.0	9.94	0.004
16.0		12.18	0.6	323	8.320	93.2	9.55	0.009
19.0		9.35	1.3	320	7.940	93.5	8.95	0.011

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	0.085	280E01		000E00	100E02	800E01
4.0	0.001	0.075					
7.0	0.001	0.065	000E00				
10.0	0.001	0.085					
13.0	0.001	0.100					
16.0	0.001	0.167					
19.0	0.001	0.360	000E00		000E00	100E02	600E01

C-REF-NO 103  
 CONS. NO 090  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-57-54N  
 LON 080-49-39W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 0025

NO. DEPTHS 06  
 SOUNDING 0186  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	8.0	17.29	0.5	315	8.490	91.0	10.00	0.001
4.0		17.29	0.5	315	8.520	91.2	9.97	0.001
7.0		17.29	0.5	316	8.510	91.0	9.99	0.001
10.0		17.27	0.5	317	8.510	91.3	9.96	0.001
13.0		12.31	1.7	326	8.010	90.6	8.97	0.022
16.0		11.57	1.9	326	7.920	91.5	8.67	0.025

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	0.335	120E01		000E00	130E02	800E01
4.0	0.001	0.090					
7.0	0.001	0.125	200E00				
10.0	0.002	0.120					
13.0	0.003	0.325					
16.0	0.003	0.345	000E00		000E00	140E02	600E01

C-REF-NO 103  
 CONS. NO 091  
 COUNTRY 18  
 INSTITUTE 22

LAT 41-57-30N  
 LON 080-41-33W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 0118

NO. DEPTHS 05  
 SOUNDING 0146  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.08	0.9	320	8.470	92.0	10.08	0.001
4.0		17.10	0.7	318	8.480	92.5	10.08	0.001
7.0		17.09	0.8	319	8.480	93.2	10.08	0.001
10.0		17.11	0.7	323	8.490	92.6	9.97	0.001
13.0		15.97	2.6	329	8.350	92.0	9.87	0.012

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	0.130	000E00		000E00	120E02	900E01
4.0	0.001	0.132					
7.0	0.000	0.125	300E00				
10.0	0.001	0.142					
13.0	0.002	0.240	160E01		000E00	130E02	140E02

C-REF-NO 103  
 CONS. NO 092  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-03-03N  
 LON 080-35-48W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 0216

NO. DEPTHS 05  
 SOUNDING 0168  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.19	0.6	320	8.460	93.5	10.09	0.001
4.0		17.20	0.6	324	8.530	93.4	9.95	0.001
7.0		17.10	0.6	324	8.510	94.0	9.97	0.001
10.0		15.56	1.1	326	8.390	93.8	9.86	0.002
13.0		12.15	3.8	326	7.980	93.2	8.66	0.021

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	0.105	160E01		000E00	120E02	800E01
4.0	0.001	0.100					
7.0	0.001	0.110	000E00				
10.0	0.001	0.165					
13.0	0.002	0.315	600E00		000E00	120E02	800E01

C-REF-NO 103  
 CONS. NO 093  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-01-48N  
 LON 080-28-51W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 0312

NO. DEPTHS 04  
 SOUNDING 0125  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.00	0.7	329	8.510	93.0	9.97	0.001
4.0		17.01	0.7	321	8.530	93.0	9.95	0.000
7.0		17.01	0.6	322	8.540	93.0	9.95	0.000
10.0		17.00	0.6	320	8.540	92.5	9.94	0.001

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.130	800E00		000E00	400E01	240E01
4.0	0.001	0.135					
7.0	0.001	0.130	000E00				
10.0	0.002	0.133	000E00		000E00	800E01	380E01

C-REF-NO 103  
 CONS. NO 094  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-06-51N  
 LON 080-24-27W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 0411

NO. DEPTHS 06  
 SOUNDING 0189  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.45	0.6	320	8.530	92.3	9.95	0.001
4.0		17.48	0.6	297	8.540	92.3	9.78	0.001
7.0		17.50	0.7	318	8.530	93.0	9.80	0.000
10.0		17.47	0.7	319	8.540	93.6	9.71	0.000
13.0		17.01	1.0	321	8.530	94.2	9.81	0.002
16.0		17.03	0.6	320	8.550	95.2	9.86	0.000

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.004	0.098	100E00		000E00	600E01	600E01
4.0	0.002	0.105					
7.0	0.002	0.095	100E00				
10.0	0.002	0.105					
13.0	0.004	0.090					
16.0	0.000	0.095	100E00		000E00	700E01	400E01

C-REF-NO 103  
 CONS. NO 095  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-11-48N  
 LON 080-27-27W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 0517

NO. DEPTHS 07  
 SOUNDING 0210  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.58	0.7	319	8.470	94.2	9.86	0.000
4.0		17.60	0.5	320	8.540	94.0	9.86	0.001
7.0		17.60	0.8	316	8.540	94.8	9.88	0.000
10.0		17.59	0.6	316	8.540	95.2	9.85	0.000
13.0		17.52	0.6	318	8.550	92.3	9.88	0.000
16.0		9.45	1.1	323	8.070	83.0	9.35	0.007
19.0		9.36	1.4	322	8.040	82.2	9.16	0.008

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	0.065	000E00		000E00	600E01	220E01
4.0	0.001	0.060					
7.0	0.001	0.070	000E00				
10.0	0.001	0.090					
13.0	0.001	0.085					
16.0	0.001	0.185					
19.0	0.001	0.210	000E00		000E00	240E02	840E01



C-REF-NO 103  
 CONS. NO 096  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-12-45N  
 LON 080-44-03W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 0654

NO. DEPTHS 07  
 SOUNDING 0226  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.50	0.6	316	8.580	80.2	9.92	0.008
4.0		17.50	0.6	315	8.580	80.5	9.95	0.008
7.0		17.49	0.6	315	8.590	80.4	9.97	0.007
10.0		17.50	1.0	315	8.570	80.5	9.95	0.007
13.0		17.35	0.6	314	8.560	80.9	9.97	0.008
16.0		8.91	1.2	320	7.910	82.0	8.96	0.053
19.0		8.92	1.3	326	7.900	82.5	8.95	0.053

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	0.112	300E00		000E00	700E01	300E01
4.0	0.002	0.105					
7.0	0.001	0.105	000E00				
10.0	0.000	0.100					
13.0	0.002	0.090					
16.0	0.002	0.230					
19.0	0.003	0.235	000E00		000E00	800E01	180E01

C-REF-NO 103  
 CONS. NO 097  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-16-30N  
 LON 081-00-45W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 0848

NO. DEPTHS 07  
 SOUNDING 0220  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		18.06	0.6	318	8.560	88.3	9.60	0.061
4.0		18.07	0.4	311	8.520	89.3	9.60	0.058
7.0		18.05	0.4	312	8.510	89.0	9.58	0.056
10.0		18.07	0.4	310	8.510	88.5	9.60	0.056
13.0		18.03	0.5	310	8.510	88.8	9.61	0.055
16.0		17.46	0.6	309	8.460	88.7	9.50	0.066
19.0		9.86	1.0	316	7.810	88.6	7.78	0.050

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.110	000E00		000E00	700E01	500E01
4.0		0.115					
7.0		0.125	000E00				
10.0		0.130					
13.0		0.125					
16.0		0.135					
19.0		0.345	100E00		000E00	500E01	180E01

C-REF-NO 103  
 CONS. NO 098  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-24-27N  
 LON 081-06-54W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 1022

NO. DEPTHS 07  
 SOUNDING 0205  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	9.0	18.34	0.5	309	8.500	89.0	9.26	0.070
4.0		18.34	0.5	310	8.430	89.3	9.29	0.067
7.0		18.34	0.7	310	8.490	89.2	9.27	0.067
10.0		18.34	0.5	310	8.490	89.2	9.27	0.066
13.0		18.35	0.5	309	8.490	89.2	9.27	0.065
16.0		14.83	0.6	312	8.250	89.5	8.76	0.083
19.0		10.75	1.5	316	7.730	90.0	7.47	0.104

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.132	000E00		000E00	500E01	100E01
4.0		0.137					
7.0		0.137	000E00				
10.0		0.145					
13.0		0.143					
16.0		0.193					
19.0		0.385	100E00		100E00	800E01	500E01

C-REF-NO 103  
 CONS. NO 099  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-35-36N  
 LON 081-13-45W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 1212

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	3.0	18.25	2.5	319	8.310	92.3	8.90	0.031
4.0		18.27	2.5	318	8.310	92.5	8.90	0.030
7.0		18.25	3.1	317	8.250	90.2	8.90	0.031
10.0		17.80	3.2	316	8.260	92.8	8.87	0.031

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.172	300E00		000E00	900E01	320E01
4.0		0.178					
7.0		0.177	000E00				
10.0		0.185	000E00		100E00	700E01	400E01

C-REF-NO 103  
 CONS. NO 100  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-37-18N  
 LON 081-06-48W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 1300

NO. DEPTHS 04  
 SOUNDING 0131  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	1.0	17.75	10.0	316	8.340	93.0	8.59	0.036
4.0		17.76	9.7	316	8.350	93.0	8.57	0.034
7.0		16.74	7.6	316	8.230	93.2	8.46	0.034
10.0		10.26	2.8	316	7.790	93.0	7.24	0.049

DEPTH	NO2NF	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.215	120E01		100E00	800E01	500E01
4.0		0.225					
7.0		0.210	100E00				
10.0		0.245	000E00		000E00	120E02	160E01

C-REF-NO 103  
 CONS. NO 101  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-34-42N  
 LON 080-58-12W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 1401

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	6.0	18.71	1.5	317	8.400	93.0	9.10	0.019
4.0		18.66	1.4	317	8.410	93.3	9.07	0.019
7.0		18.61	1.5	317	8.410	93.5	9.09	0.019
10.0		18.43	1.6	320	8.340	93.2	8.78	0.021
13.0		10.31	2.0	323	7.790	93.3	7.47	0.041

DEPTH	NO2NF	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.120	100E00		000E00	110E02	500E01
4.0		0.127					
7.0		0.125	000E00				
10.0		0.135					
13.0		0.235	000E00		000E00	120E02	280E01

C-REF-NO 103  
 CONS. NO 102  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-37-00N  
 LON 080-50-09W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 1502

NO. DEPTHS 05  
 SOUNDING 0139  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	2.0	18.82	4.7	320	8.350	95.0	8.91	0.015
4.0		18.39	5.2	320	8.350	95.6	8.88	0.014
7.0		18.16	6.9	322	8.320	96.0	8.84	0.016
10.0		11.38	4.0	332	8.080	95.8	8.15	0.024
13.0		10.84	2.5	321	7.860	95.7	7.90	0.042

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.125	600E00		100E00	120E02	500E01
4.0		0.147					
7.0		0.172	100E00				
10.0		0.200					
13.0		0.235	500E00		100E00	900E01	600E01

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

LAT 42-33-45N  
 LON 080-41-33W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 1605

NO. DEPTHS 06  
 SOUNDING 0168  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	4.5	19.40	2.0	316	8.400	94.0	9.09	0.013
4.0		19.24	2.3	316	8.420	94.0	9.10	0.012
7.0		18.95	2.3	315	8.400	93.3	9.04	0.012
10.0		18.83	1.8	316	8.420	93.6	9.10	0.011
13.0		10.03	1.5	316	7.920	93.4	8.46	0.063
16.0		10.04	1.4	318	7.850	95.2	8.45	0.063

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.130	000E00		000E00	900E01	400E01
4.0		0.140					
7.0		0.130	000E00				
10.0		0.130					
13.0		0.247					
16.0		0.232	000E00		000E00	800E01	600E01

C-REF-NO 103  
 CONS. NO 104  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-23-39N  
 LON 080-50-48W  
 YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 1736

NO. DEPTHS 07  
 SOUNDING 0207  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	9.5	19.21	0.6	313	8.510	88.2	9.47	0.051
4.0		18.63	0.6	313	8.510	88.5	9.46	0.043
7.0		18.53	0.6	311	8.530	89.2	9.54	0.040
10.0		18.49	0.7	312	8.520	89.0	9.47	0.038
13.0		18.43	0.6	312	8.510	90.0	9.57	0.038
16.0		9.75	0.8	316	7.840	90.5	7.53	0.087
19.0		9.69	1.3	318	7.730	90.5	7.49	0.084

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.080	000E00		000E00	600E01	200E01
4.0		0.100					
7.0		0.100	000E00				
10.0		0.105					
13.0		0.110					
16.0		0.145					
19.0		0.155	000E00		000E00	800E01	400E01

C-REF-NO 103  
 CONS. NO 105  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-23-15N  
 LON 080-34-45W  
 YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 1903

NO. DEPTHS 07  
 SOUNDING 0207  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	9.0	19.06	0.7	315	8.470	89.0	9.36	0.016
4.0		19.04	0.6	315	8.440	89.8	9.40	0.016
7.0		18.76	0.6	315	8.480	90.3	9.38	0.016
10.0		18.80	0.5	315	8.440	90.5	9.40	0.016
13.0		18.50	0.8	315	8.440	90.9	9.41	0.016
16.0		18.42	1.2		8.430	90.5	9.38	0.016
19.0		9.10	0.6	317	7.840	91.2	8.43	0.074

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.085	000E00		000E00	600E01	500E01
4.0		0.080					
7.0		0.080	000E00				
10.0		0.090					
13.0		0.100					
16.0		0.090					
19.0		0.230	400E00		000E00	600E01	400E01

C-REF-NO 103  
 CONS. NO 106  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-30-15N  
 LON 080-33-57W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 2010

NO. DEPTHS 06  
 SOUNDING 0171  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	3.5	19.33	1.7	317	8.410	91.2	9.19	0.011
4.0		19.27	1.7	319	8.410	90.9	9.21	0.011
7.0		18.91	1.8	317	8.420	89.7	9.18	0.011
10.0		18.51	1.4	319	8.400	89.2	9.05	0.009
13.0		10.06	1.3	323	7.890	90.0	8.60	0.049
16.0		10.04	1.1	322	7.890	90.0	8.63	0.050

DEPTH	NO2NF	R SIU2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.145	800E00		000E00	700E01	400E01
4.0		0.153					
7.0		0.160	000E00				
10.0		0.135					
13.0		0.225					
16.0		0.237	100E00		100E00	700E01	200E01

C-REF-NO 103  
 CONS. NO 107  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-32-45N  
 LON 080-25-27W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 2110

NO. DEPTHS 04  
 SOUNDING 0130  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	1.5	18.07	5.5	324	8.290	90.3	8.88	0.016
4.0		18.01	5.6	321	8.290	90.7	8.04	0.016
7.0		15.96	5.1	321	8.190	91.0	7.97	0.016
10.0		10.71	3.2	322	7.960	91.6	8.49	0.016

DEPTH	NO2NF	R SIU2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.195					
4.0		0.200					
7.0		0.220					
10.0		0.220					

C-REF-NO 103  
 CONS. NO 108  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-29-24N  
 LON 080-18-42W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 2214

NO. DEPTHS 07  
 SOUNDING 0219  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	6.0	18.75	1.2	316	8.520	90.9	9.57	0.005
4.0		18.72	1.3	316	8.520	91.0	9.52	0.005
7.0		18.53	1.2	317	8.510	91.1	9.52	0.004
10.0		17.81	1.2	317	8.500	90.8	9.49	0.004
13.0		13.31	1.4	321	8.280	91.8	9.71	0.020
16.0		5.91	4.0	327	7.980	92.6	10.81	0.078
19.0		5.65	3.9	331	7.960	92.2	10.89	0.081

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.107	600E00		000E00	130E02	600E01
4.0		0.105					
7.0		0.100	000E00				
10.0		0.085					
13.0		0.125					
16.0		0.282					
19.0		0.295	100E00		000E00	120E02	600E01

C-REF-NO 103  
 CONS. NO 109  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-22-09N  
 LON 080-18-09W

YEAR 1967  
 MONTH 06  
 DAY 26  
 TIME 2325

NO. DEPTHS 09  
 SOUNDING 0271  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	6.5	18.42	0.9	325	8.040	91.5	9.81	0.001
4.0		18.39	0.8	316	8.530	91.8	9.81	0.001
7.0		18.33	1.1	318	8.550	91.8	9.80	0.001
10.0		17.74	1.2	316	8.540	91.8	9.80	0.001
13.0		15.39	1.1	318	8.400	92.3	9.54	0.003
16.0		10.20	0.9	317	8.580	93.0	9.16	0.005
19.0		8.79	1.8	323	8.030	93.5	9.60	0.019
22.0		7.17	2.3	330	7.970	93.6	9.86	0.046
25.0		6.37	3.6	328	7.970	94.2	10.22	0.067

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.075	900E00		000E00	120E02	100E02
4.0		0.097					
7.0		0.089	000E00				
10.0		0.112					
13.0		0.108					
16.0		0.170					
19.0		0.155					
22.0		0.150	000E00				
25.0		0.175	000E00		000E00	130E02	800E01

C-REF-NO 103  
 CONS. NO 110  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-11-12N  
 LON 080-11-39W

YEAR 1967  
 MONTH 06  
 DAY 27  
 TIME 0118

NO. DEPTHS 06  
 SOUNDING 0196  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.97	1.3	320	8.440	91.7	9.81	0.001
4.0		17.92	1.0	321	8.440	92.2	9.80	0.001
7.0		17.40	1.0	320	8.460	92.0	9.97	0.001
10.0		17.33	1.1	318	8.450	92.0	9.86	0.001
13.0		13.32	2.3	321	8.260	91.5	9.69	0.015
16.0		11.40	2.4	326	8.040	92.5	9.09	0.031

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.085	000E00	000E00	000E00	140E02	800E01
4.0		0.107					
7.0		0.100	300E00				
10.0		0.115					
13.0		0.135					
16.0		0.177	000E00	000E00	000E00	100E02	100E02

C-REF-NO 103  
 CONS. NO 111  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-C6-30N  
 LON 080-16-33W

YEAR 1967  
 MONTH 06  
 DAY 27  
 TIME 0208

NO. DEPTHS 04  
 SOUNDING 0113  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		18.36	1.0	318	8.590	91.5	9.72	0.001
4.0		18.34	0.9	318	8.530	91.6	9.77	0.001
7.0		17.25	2.2	320	8.480	91.2	9.77	0.003
10.0		16.89	2.6	320	8.430	91.5	9.55	0.005

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.100	000E00	000E00	000E00	800E01	800E01
4.0		0.097					
7.0		0.145	300E00				
10.0		0.167	200E00	000E00	000E00	100E02	100E02



C-REF-NO 103  
 CONS. NO 112  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-08-00N  
 LON 080-12-00W

YEAR 1967  
 MONTH 06  
 DAY 27  
 TIME 0307

NO. DEPTHS 03  
 SOUNDING 0085  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	N03NF
1.0		18.31	1.0	318	8.500	91.4	9.61	0.001
4.0		18.16	1.1	320	8.510	91.8	9.75	0.001
7.0		17.25	2.2	320	8.490	91.5	9.75	0.001

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.080	000E00	000E00	000E00	700E01	500E01
4.0		0.115					
7.0		0.127	000E00	000E00	000E00	800E01	600E01

C-REF-NO 103  
 CONS. NO 113  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-10-00N  
 LON 080-09-00W

YEAR 1967  
 MONTH 06  
 DAY 27  
 TIME 0345

NO. DEPTHS 03  
 SOUNDING 0107  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	N03NF
1.0		18.28	1.3	320	8.520	91.2	9.80	0.001
4.0		18.30	1.3	320	8.490	91.4	9.86	0.001
7.0		17.99	1.6	320	8.490	91.3	9.74	0.001

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.093	000E00	000E00	000E00	800E01	400E01
4.0		0.103					
7.0		0.108	000E00	000E00	400E00	700E01	400E01

C-REF-NO 103  
 CONS. NO 114  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-12-36N  
 LON 080-07-27W

YEAR 1967  
 MONTH 06  
 DAY 27  
 TIME 0420

NO. DEPTHS 06  
 SOUNDING 0189  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.90	1.4	322	8.490	91.5	9.85	0.004
4.0		17.90	1.0	322	8.500	91.5	9.78	0.001
7.0		17.44	1.2	320	8.480	91.4	10.05	0.001
10.0		17.19	1.4	320	8.470	91.3	9.89	0.003
13.0		17.13	1.2	321	8.470	90.7	9.71	0.004
16.0		15.42	1.3	319	8.370	90.8	9.24	0.013

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.100	600E00	000E00	000E00	110E02	400E01
4.0		0.110					
7.0		0.120	000E00				
10.0		0.133					
13.0		0.123					
16.0		0.195	100E01	000E00	000E00	100E02	400E01

C-REF-NO 103  
 CONS. NO 115  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-16-12N  
 LON 080-07-09W

YEAR 1967  
 MONTH 06  
 DAY 27  
 TIME 0505

NO. DEPTHS 08  
 SOUNDING 0244  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.98	0.8	319	8.520	92.0	9.91	0.002
4.0		17.96	0.9	319	8.530	93.3	9.88	0.004
7.0		17.74	0.8	320	8.510	94.3	9.89	0.000
10.0		17.40	0.8	321	8.490	94.5	9.94	0.002
13.0		16.83	0.7	322	8.430	94.0	9.72	0.003
16.0		11.59	1.0	324	8.100	94.6	9.40	0.013
19.0		9.96	1.5	326	8.010	94.3	9.21	0.018
22.0		9.94	1.5	324	7.980	94.4	9.24	0.019

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.105	100E00	000E00	000E00	500E01	200E01
4.0		0.060					
7.0		0.065	400E00				
10.0		0.060					
13.0		0.050					
16.0		0.105					
19.0		0.120					
22.0		0.120	500E00	000E00	000E00	100E02	300E01

C-REF-NO 103  
 CONS. NO 116  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-14-03N  
 LON 080-03-33W

YEAR 1967  
 MONTH 06  
 DAY 27  
 TIME 0550

NO. DEPTHS 06  
 SOUNDING 0189  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.80	0.9	322	8.470	93.0	9.91	0.004
4.0		17.79	1.1	321	8.490	93.5	9.88	0.002
7.0		17.27	0.9	319	8.470	93.5	9.91	0.002
10.0		17.15	0.7	320	8.470	93.4	9.91	0.002
13.0		17.13	0.8	321	8.450	93.8	9.74	0.001
16.0		12.16	2.0	331	7.970	94.2	8.68	0.031

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.050	400E00	000E00	000E00	900E01	300E01
4.0		0.058					
7.0		0.060	500E00				
10.0		0.045					
13.0		0.059					
16.0		0.215	400E00	000E00	000E00	100E02	400E01

C-REF-NO 103  
 CONS. NO 117  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-11-00N  
 LON 080-03-00W

YEAR 1967  
 MONTH 06  
 DAY 27  
 TIME 0628

NO. DEPTHS 04  
 SOUNDING 0128  
 BT SLIDE NO 007

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		18.50	0.9	320	8.390	90.6	9.58	0.003
4.0		18.52	0.9	320	8.410	90.0	9.60	0.004
7.0		18.44	1.2	322	8.380	90.2	9.55	0.005
10.0		17.82	1.5	320	8.310	90.0	9.19	0.007

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.055	100E01	000E00	000E00	240E02	600E01
4.0		0.087					
7.0		0.100	170E01				
10.0		0.117	190E01	000E00	000E00	300E02	260E02

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	186.0	92.1	24.7	36.900	8.000	1.300	11.500
4.0							
7.0							
10.0							

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.010	0.082	0.005	0.002	0.005
4.0								
7.0								
10.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.002	0.165	0.010	5	24.9	125.0	
4.0							
7.0							
10.0							

C-REF-NO 103
CONS. NO 118
COUNTRY 18
INSTITUTE 22

LAT	42-12-15N
LON	079-59-21W

YEAR	1967
MONTH	06
DAY	27
TIME	0732

NO. DEPTHS	04
SOUNDING	0128
BT SLIDE NO	

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		18.20	0.9	322	8.410	90.4	9.52	0.004
4.0		18.19	1.0	320	8.400	91.0	9.49	0.005
7.0		18.14	1.0	319	8.420	91.3	9.58	0.003
10.0		17.45	1.0	320	8.420	91.3	9.66	0.004

DEPTH	NO2NF	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.080	000E00	000E00	000E00	100E02	500E01
4.0		0.085					
7.0		0.060	160E01	000E00	000E00	160E02	100E02
10.0		0.063					

C-REF-NO 103  
 CONS. NO 119  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-13-54N  
 LON 079-55-24W

YEAR 1967  
 MONTH 06  
 DAY 27  
 TIME 0814

NO. DEPTHS 04  
 SOUNDING 0122  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		18.58	1.1	322	8.330	91.0	9.18	0.005
4.0		18.50	1.4	322	8.350	91.0	9.35	0.003
7.0		18.32	0.9	322	8.400	91.2	9.47	0.003
10.0		18.21	0.8	321	8.400	91.0	9.54	0.003

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.080	120E01	000E00	000E00	180E02	800E01
4.0		0.085					
7.0		0.073	180E01				
10.0		0.065	500E00	000E00	000E00	120E02	600E01

C-REF-NO 103  
 CONS. NO 120  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-15-42N  
 LON 079-59-15W

YEAR 1967  
 MONTH 06  
 DAY 27  
 TIME 0916

NO. DEPTHS 06  
 SOUNDING 0183  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.59	0.6	321	8.510	91.0	9.97	0.001
4.0		17.61	0.6	319	8.520	90.2	9.97	0.000
7.0		17.59	0.8	319	8.520	90.8	9.99	0.000
10.0		17.51	0.8	318	8.510	91.0	9.95	0.000
13.0		17.07	0.6	321	8.500	91.2	10.00	0.000
16.0		15.85	0.8	321	8.430	90.3	9.69	0.004

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.034	000E00	000E00	000E00	600E01	400E01
4.0		0.034					
7.0		0.065	600E00				
10.0		0.080					
13.0		0.085					
16.0		0.100	000E00	000E00	000E00	800E01	400E01

C-REF-NO 103
CONS. NO 121
COUNTRY 18
INSTITUTE 22

LAT 42-21-09N  
LON 080-03-00W

YEAR 1967  
MONTH 06  
DAY 27  
TIME 1012

NO. DEPTHS 11  
SOUNDING 0341  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	6.0	17.82	0.9	321	8.540	89.5	9.86	0.001
4.0		17.83	0.7	321	8.550	90.7	9.85	0.001
7.0		17.66	0.7	318	8.550	91.3	9.88	0.001
10.0		17.25	0.7	318	8.560	91.3	9.89	0.001
13.0		15.16	0.6	322	8.550	91.5	9.68	0.002
16.0		9.63	0.9	326	8.150	92.0	10.67	0.023
19.0		5.40	1.7	329	7.990	91.7	11.51	0.078
22.0		5.36	2.6	327	7.950	92.0	11.51	0.080
25.0		5.29	2.7	327	7.940	92.3	11.51	0.082
28.0		5.25	2.7	326	7.950	91.7	11.52	0.083
31.0		5.25	2.9	327	7.910	92.0	11.46	0.083

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.075	000E00	000E00	000E00	700E01	200E01
4.0		0.063					
7.0		0.090	000E00				
10.0		0.065					
13.0		0.065					
16.0		0.060					
19.0		0.115					
22.0		0.128	200E00				
25.0		0.133					
28.0		0.130					
31.0		0.137	000E00	000E00	000E00	700E01	300E01

C-REF-NO 103
CONS. NO 122
COUNTRY 18
INSTITUTE 22

LAT 42-20-27N  
LON 079-54-33W

YEAR 1967  
MONTH 06  
DAY 27  
TIME 1116

NO. DEPTHS 11  
SOUNDING 0366  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	5.5	17.55	1.1	319	8.500	91.1	10.00	0.001
4.0		17.57	1.2	319	8.500	91.2	9.82	0.001
7.0		17.38	1.2	319	8.510	90.6	9.97	0.001
10.0		16.39	1.2	322	8.500	90.6	10.22	0.001
13.0		15.87	1.0	321	8.480	91.7	10.19	0.001
16.0		15.20	1.1	322	8.380	91.8	9.86	0.004
19.0		13.74	1.4	322	8.340	91.3	10.00	0.005
22.0		8.66	1.7	326	8.030	93.4	10.02	0.029
25.0		6.71	2.0	327	7.960	92.4	10.50	0.072
28.0		6.24	2.2	328	7.950	92.6	10.93	0.062
31.0		5.60	3.2	328	7.810	91.5	11.20	0.055

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.035	100E00	000E00	000E00	100E02	300E01
4.0		0.050					
7.0		0.050	200E00				
10.0		0.035					
13.0		0.035					
16.0		0.040					
19.0		0.050					
22.0		0.118	300E00				
25.0		0.150					
28.0		0.170					
31.0		0.200	300E00	000E00	000E00	800E01	300E01

C-REF-NO 103  
 CONS. NO 123  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-15-03N  
 LON 079-51-09W

YEAR 1967  
 MONTH 06  
 DAY 27  
 TIME 1222

NO. DEPTHS 05  
 SOUNDING 0149  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		18.59	2.1	325	8.300	90.0	9.19	0.002
4.0		18.52	1.8	324	8.330	90.7	9.22	0.002
7.0		18.20	1.4	324	8.400	91.6	9.41	0.001
10.0		17.92	1.3	322	8.430	89.8	9.64	0.001
13.0		17.82	1.4	321	8.430	91.0	9.39	0.002

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.065	360E01		000E00	600E02	200E02
4.0		0.080					
7.0		0.050	600E00				
10.0		0.043					
13.0		0.048	300E00		000E00	240E02	600E01

C-REF-NO 103  
 CONS. NO 124  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-20-00N  
 LON 079-46-21W

YEAR 1967  
 MONTH 06  
 DAY 27  
 TIME 1359

NO. DEPTHS 11  
 SOUNDING 0351  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	6.0	16.60	0.9	324	8.480	91.3	10.28	0.000
4.0		16.42	0.9	320	8.490	91.1	10.28	0.000
7.0		15.39	0.8	320	8.490	92.3	10.61	0.000
10.0		14.14	1.1	319	8.430	92.0	10.62	0.004
13.0		13.99	0.9	321	8.400	93.4	10.64	0.006
16.0		13.37	0.9	321	8.370	92.9	10.71	0.008
19.0		12.15	1.2	324	8.300	94.3	10.62	0.015
22.0		10.67	1.2	324	8.210	94.6	10.58	0.027
25.0		7.55	2.5	330	8.060	94.3	10.52	0.056
28.0		6.07	2.7	327	7.970	93.7	10.87	0.072
31.0		5.69	2.7	329	8.050	94.7	11.14	0.077

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.020	100E00		400E00	240E02	
4.0		0.025					
7.0		0.018	400E00				
10.0		0.025					
13.0		0.020					
16.0		0.040					
19.0		0.103					
22.0		0.128	200E00				
25.0		0.185					
28.0		0.200					
31.0		0.212	000E00		000E00	680E01	



C-REF-NO 103  
 CONS. NO 125  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-24-57N  
 LON 079-42-06W

YEAR 1967  
 MONTH 06  
 DAY 27  
 TIME 1524

NO. DEPTHS 12  
 SOUNDING 0411  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	6.5	17.76	0.9	321	8.560	93.3	10.11	0.001
4.0		17.16	0.8	321	8.580	93.6	10.27	0.000
7.0		17.00	0.7	323	8.580	93.5	10.19	0.001
10.0		16.44	0.8	323	8.570	93.6	10.28	0.001
13.0		13.85	1.0	322	8.490	93.8	10.56	0.004
16.0		11.26	1.3	323	8.370	94.0	11.04	0.018
19.0		8.72	1.1	323	8.240	93.9	11.34	0.035
22.0		5.67	1.8	327	8.110	94.2	11.73	0.065
25.0		4.44	2.3	329	8.030	94.6	11.77	0.090
28.0		4.39	2.4	326	7.990	94.5	11.90	0.090
31.0		4.43	2.0	328	7.990	95.0	11.93	0.091
37.0		4.39	2.0	326	7.980	95.9	11.96	0.093

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.045	100E00		100E00	640E01	
4.0		0.048					
7.0		0.055	100E00				
10.0		0.040					
13.0		0.035					
16.0		0.032					
19.0		0.030					
22.0		0.110	400E00				
25.0		0.177					
28.0		0.182					
31.0		0.195					
37.0		0.203	000E00		000E00	160E02	

C-REF-NO 103  
 CONS. NO 126  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-20-09N  
 LON 079-38-54W

YEAR 1967  
 MONTH 06  
 DAY 27  
 TIME 1626

NO. DEPTHS 06  
 SOUNDING 0196  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	3.0	19.46	2.1	325	8.290	95.0	9.24	0.000
4.0		18.46	2.3	324	8.330	95.0	9.36	0.000
7.0		17.45	1.5	322	8.510	95.3	9.71	0.000
10.0		17.26	2.4	321	8.440	95.4	9.58	0.000
13.0		16.19	1.4	319	8.460	95.9	10.05	0.001
16.0		14.29	1.5	322	8.430	96.7	9.81	0.007

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.115	100E02		000E00	140E03	
4.0		0.123					
7.0		0.094	800E00				
10.0		0.113					
13.0		0.090					
16.0		0.137	300E00		000E00	340E02	

C-REF-NO 103  
 CONS. NO 127  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-24-24N  
 LON 079-33-45W

YEAR 1967  
 MONTH 06  
 DAY 27  
 TIME 1723

NO. DEPTHS 08  
 SOUNDING 0250  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	4.0	17.06	0.8	321	8.500	96.1	10.33	0.001
4.0		16.02	0.8	319	8.520	95.5	10.56	0.001
7.0		15.64	1.0	322	8.480	96.0	10.61	0.000
10.0		15.24	1.1	321	8.480	96.8	10.59	0.000
13.0		13.57	0.8	321	8.450	96.0	10.87	0.008
16.0		13.01	1.1	324	8.380	97.0	10.90	0.012
19.0		12.82	0.8	324	8.370	96.7	11.01	0.012
22.0		12.44	1.2	323	8.310	96.2	10.86	0.017

DEPTH	NO2NF	R SIO2	MF COL	MF FCU	MF STR	SPC 20	SPC 35
1.0		0.048	800E00		000E00	240E02	
4.0		0.050					
7.0		0.050	100E00				
10.0		0.045					
13.0		0.045					
16.0		0.048					
19.0		0.048					
22.0		0.050	000E00		000E00	740E01	

C-REF-NO 103  
 CONS. NO 128  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-29-57N  
 LON 079-37-18W

YEAR 1967  
 MONTH 06  
 DAY 27  
 TIME 1826

NO. DEPTHS 13  
 SOUNDING 0448  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	5.5	17.30	0.7	318	8.520	91.5	10.50	0.004
4.0		15.66	1.3	324	8.550	91.6	10.81	0.004
7.0		12.97	1.3	323	8.390	91.2	11.01	0.024
10.0		10.01	0.5	322	8.210	91.5	11.45	0.049
13.0		7.65	0.3	322	8.130	91.7	11.73	0.069
16.0		6.36	0.3	326	8.100	92.8	11.88	0.079
19.0		4.64	0.5	326	8.030	93.0	11.90	0.107
22.0		4.60	0.7	326	8.010	91.5	11.90	0.112
25.0		4.42	0.7	325	8.010	91.8	11.86	0.113
28.0		4.47	1.0	325	8.000	91.7	11.85	0.112
31.0		4.49	0.8	326	8.010	92.0	11.80	0.113
37.0		4.45	1.0	328	8.010	93.0	11.82	0.112
43.0		4.48	0.8	323	8.000	93.5	11.77	0.113

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.037	000E00		100E00	540E01	
4.0		0.037					
7.0		0.040	000E00				
10.0		0.038					
13.0		0.044					
16.0		0.052					
19.0		0.187					
22.0		0.205	000E00				
25.0		0.220					
28.0		0.224					
31.0		0.227					
37.0		0.250					
43.0		0.258	100E00		000E00	100E02	700E01

C-REF-NO 103  
 CONS. NO 129  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-30-00N  
 LON 079-53-18W

YEAR 1967  
 MONTH 06  
 DAY 27  
 TIME 2028

NO. DEPTHS 16  
 SOUNDING 0640  
 BT SLIDE NO 008

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	7.5	19.20	0.3	320	8.620	91.5	10.59	0.001
4.0		17.83	0.3	320	8.630	92.0	9.95	0.000
7.0		17.64	0.4	320	8.620	91.5	10.03	0.000
10.0		17.22	0.4	318	8.620	90.5	9.99	0.000
13.0		16.81	0.7	318	8.570	92.0	9.91	0.000
16.0		16.20	0.4	320	8.530	91.8	9.88	0.001
19.0		11.97	0.5	326	8.260	94.2	10.39	0.010
22.0		7.32	0.5	326	8.110	94.8	11.15	0.036
25.0		6.42	0.4	318	8.040	95.1	11.35	0.056
28.0		5.21	0.7	327	8.040	95.2	11.71	0.094
31.0		5.15	0.7	323	8.060	95.0	11.71	0.098
37.0		5.08	0.9	324	8.060	95.4	11.69	0.101
43.0		5.02	1.1	326	8.050	96.0	11.68	0.103
49.0		4.92	1.1	326	8.030	96.0	11.66	0.106
55.0		4.83	1.6	330	8.040	95.6	11.68	0.106
61.0		4.78	1.1	325	8.030	95.5	11.65	0.106

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.047	000E00		000E00	100E02	600E01
4.0		0.047					
7.0		0.085	000E00				
10.0		0.042					
13.0		0.042					
16.0		0.055					
19.0		0.030					
22.0		0.015	000E00				
25.0		0.030					
28.0		0.105					
31.0		0.122					
37.0		0.150					
43.0		0.155					
49.0		0.160					
55.0		0.160					
61.0		0.175	300E00		000E00	100E02	600E01

C-REF-NO 103
CONS. NO 130
COUNTRY 18
INSTITUTE 22

LAT 42-28-21N  
LON 080-01-45W

YEAR 1967  
MONTH 06  
DAY 28  
TIME 0013

NO. DEPTHS 16  
SOUNDING 0619  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	4.0	18.77	1.1	321	8.570	93.4	10.08	0.000
4.0		17.21	1.7	315	8.520	93.8	10.09	0.001
7.0		15.03	1.3	321	8.450	94.2	10.08	0.002
10.0		11.15	1.5	329	8.290	94.7	10.50	0.003
13.0		8.58	1.4	330	8.220	95.5	11.35	0.007
16.0		7.53	1.5	330	8.120	96.2	11.35	0.032
19.0		6.31	1.8	329	8.080	96.5	11.52	0.055
22.0		5.39	2.8	329	8.030	96.1	11.62	0.084
25.0		5.09	2.2	327	8.020	96.4	11.65	0.098
28.0		5.11	2.1	329	8.010	96.0	11.65	0.095
31.0		5.14	2.1	329	8.000	95.0	11.63	0.098
37.0		5.03	2.0	329	8.000	96.0	11.59	0.096
43.0		5.06	2.1	329	8.010	96.7	11.57	0.098
49.0		4.51	2.1	332	8.020	96.8	11.76	0.098
55.0		4.48	2.5	327	8.020	96.3	11.77	0.111
61.0		4.53	2.7	326	7.920	85.0	10.45	0.117

DEPTH	NO2NF	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.050	600E00		000E00	900E01	500E01
4.0		0.090					
7.0		0.035	000E00				
10.0		0.020					
13.0		0.020					
16.0		0.019					
19.0		0.043					
22.0		0.125	000E00				
25.0		0.164					
28.0		0.188					
31.0		0.160					
37.0		0.175					
43.0		0.190					
49.0		0.185					
55.0		0.140					
61.0		0.734	000E00		000E00	900E01	700E01

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	186.0	91.1	25.2	37.500	8.000	1.300	11.800
4.0							
7.0							
10.0	187.0	91.6	25.8	37.400	8.000	1.300	11.800
13.0							
16.0							
19.0	190.0	93.1	24.8	38.600	8.000	1.300	12.100
22.0							
25.0							
28.0	191.0	95.1	25.2	37.800	8.000	1.300	11.700
31.0							
37.0	185.0	94.6	26.0	39.000	8.000	1.400	11.800
43.0							
49.0							
55.0	184.0	94.1	24.4	39.000	8.000	1.300	11.700
61.0							

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.008	0.013	0.004	0.002	0.060
4.0								
7.0								
10.0	0.000	0.000	0.000	0.006	0.008	0.004	0.003	0.002
13.0								
16.0								
19.0	0.000	0.000	0.000	0.019	0.035	0.004	0.002	0.005
22.0								
25.0								
28.0	0.000	0.000	0.000	0.028	0.059	0.004	0.002	0.005
31.0								
37.0	0.000	0.000	0.000	0.010	0.060	0.004	0.005	0.005
43.0								
49.0								
55.0	0.000	0.000	0.000	0.006	0.200	0.004	0.002	0.020
61.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0		0.155	0.005	5	25.6	126.5	
4.0							
7.0							
10.0	0.001	0.150	0.012	5	24.8	126.3	
13.0							
16.0							
19.0	0.002	0.165	0.010	5	24.9	129.3	
22.0							
25.0							
28.0	0.002	0.150	0.008	5	25.0	127.3	
31.0							
37.0	0.001	0.155	0.008	5	25.1	130.3	
43.0							
49.0							
55.0	0.002	0.165	0.010	5	25.4	130.3	
61.0							

C-REF-NO 103
CONS. NO 131
COUNTRY 18
INSTITUTE 22

LAT 42-30-24N  
LON 080-09-51W

YEAR 1967  
MONTH 06  
DAY 28  
TIME 0129

NO. DEPTHS 11  
SOUNDING 0378  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		18.84	3.6	319	8.570	92.5	10.14	0.000
4.0		14.51	3.5	320	8.400	94.2	10.34	0.015
7.0		10.85	3.8	326	8.260	94.5	10.37	0.014
10.0		10.28	2.7	326	8.180	94.3	10.58	0.020
13.0		9.53	4.0	327	8.150	95.4	10.78	0.019
16.0		8.70	3.5	327	8.130	95.7	10.95	0.021
19.0		7.96	3.7	328	8.110	96.2	11.03	0.023
22.0		7.16	3.0	330	8.090	96.0	11.34	0.027
25.0		6.42	3.1	330	8.080	95.6	11.51	0.034
28.0		5.95	3.3	329	8.050	96.2	11.65	0.049
31.0		5.31	3.5	332	8.030	96.5	11.62	0.061

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.092	000E00		000E00	100E02	250E01
4.0		0.134					
7.0		0.104	000E00				
10.0		0.114					
13.0		0.085					
16.0		0.075					
19.0		0.090					
22.0		0.100	100E00				
25.0		0.073					
28.0		0.180					
31.0		0.255	300E00		000E00	800E01	300E01

C-REF-NO 103
CONS. NO 132
COUNTRY 18
INSTITUTE 22

LAT 42-34-48N  
LON 080-01-27W

YEAR 1967  
MONTH 06  
DAY 28  
TIME 0250

NO. DEPTHS 13  
SOUNDING 0457  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		18.68	3.7	321	8.490	94.2	10.11	0.002
4.0		18.67	1.3	320	8.540	94.7	10.08	0.002
7.0		18.57	1.1	321	8.550	95.5	10.22	0.001
10.0		12.11	2.7	324	8.320	96.2	10.41	0.013
13.0		8.52	1.7	324	8.220	95.0	10.79	0.019
16.0		6.23	1.5	327	8.000	96.7	11.03	0.039
19.0		5.69	0.8	326	8.030	97.0	11.46	0.056
22.0		5.38	0.9	327	8.060	97.4	11.55	0.062
24.0		4.58	1.1	327	8.030	97.7	11.65	0.075
27.0		4.39	1.5	327	8.030	97.8	11.57	0.077
30.0		4.38	1.5	328	7.990	97.0	11.59	0.077
36.0		4.34	1.4	328	7.970	98.2	11.69	0.080
42.0		4.35	2.6	328	7.950	99.0	11.62	0.081

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.083	000E00		000E00	600E01	800E01
4.0		0.075					
7.0		0.085	000E00				
10.0		0.115					
13.0		0.040					
16.0		0.038					
19.0		0.022					
22.0		0.022	000E00				
24.0		0.062					
27.0		0.135					
30.0		0.135					
36.0		0.155					
42.0		0.242	100E00		000E00	600E01	200E01

C-REF-NO	103
CONS. NO	133
COUNTRY	18
INSTITUTE	22

LAT 42-37-39N  
LON 079-56-03W

YEAR 1967  
MONTH 06  
DAY 28  
TIME 0406

NO. DEPTHS 13  
SOUNDING 0445  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		18.65	1.2	319	8.570	89.3	9.83	0.002
4.0		18.62	0.7	320	8.610	89.2	9.85	0.001
7.0		17.77	0.6	318	8.620	89.7	9.91	0.002
10.0		17.74	1.1	319	8.620	89.5	9.83	0.001
13.0		17.58	0.7	321	8.620	89.2	9.81	0.002
16.0		8.25	1.0	323	8.060	89.6	11.23	0.001
19.0		5.96	1.0	324	7.930	90.8	11.09	0.018
22.0		5.62	0.7	327	7.970	90.9	11.80	0.045
25.0		5.35	0.9	327	8.000	92.2	11.83	0.052
28.0		5.14	0.8	327	8.000	91.2	11.55	0.062
31.0		4.63	2.2	328	7.990	92.2	11.52	0.073
37.0		4.50	2.8	329	7.980	92.0	11.40	0.085
43.0		4.52	3.5	328	7.980	92.0	11.35	0.088

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.050	100E00		000E00	600E01	300E01
4.0		0.055					
7.0		0.065	000E00				
10.0		0.070					
13.0		0.088					
16.0		0.050					
19.0		0.035					
22.0		0.025	000E00				
25.0		0.043					
28.0		0.133					
31.0		0.180					
37.0		0.252					
43.0		0.275	000E00		000E00	600E01	400E01



C-REF-NO 103  
 CONS. NO 134  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-38-09N  
 LON 080-05-36W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 0519

NO. DEPTHS 10  
 SOUNDING 0302  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		18.19	1.1	322	8.510	90.8	9.95	0.001
4.0		18.18	1.0	321	8.520	91.0	9.99	0.001
7.0		15.85	1.4	321	8.410	91.7	9.91	0.002
10.0		8.18	1.4	329	8.120	92.4	10.95	0.013
13.0		6.39	1.5	327	8.050	92.8	11.59	0.036
16.0		5.96	1.4	327	8.020	92.8	11.51	0.051
19.0		4.99	1.3	328	8.020	92.2	12.08	0.066
22.0		4.64	1.8	331	7.950	93.2	11.51	0.076
25.0		4.50	1.9	324	7.970	93.7	11.41	0.078
28.0		4.37	3.3	325	7.970	94.0	11.12	0.078

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.085	100E00		000E00	130E02	800E01
4.0		0.105					
7.0		0.100	000E00				
10.0		0.100					
13.0		0.042					
16.0		0.044					
19.0		0.033					
22.0		0.150	100E00				
25.0		0.185					
28.0		0.220	000E00		000E00	700E01	400E01

C-REF-NO 103  
 CONS. NO 135  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-37-24N  
 LON 080-13-06W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 0617

NO. DEPTHS 03  
 SOUNDING 0094  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		18.40	1.2	320	8.460	92.3	9.46	0.002
4.0		18.38	1.0	323	8.470	91.8	9.46	0.001
7.0		18.00	1.0	321	8.470	92.8	9.43	0.001

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.127	200E01		000E00	400E01	500E01
4.0		0.130					
7.0		0.133	100E00		000E00	140E02	800E01

C-REF-NO 103  
 CONS. NO 136  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-43-03N  
 LON 080-10-12W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 0713

NO. DEPTHS 03  
 SOUNDING 0098  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.74	0.6	320	8.530	92.0	9.74	0.005
4.0		17.74	0.6	318	8.520	92.8	9.75	0.003
7.0		17.64	0.7	320	8.510	91.7	9.75	0.004

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.085	600E00		000E00	600E01	320E01
4.0		0.075					
7.0		0.090	000E00		000E00	100E02	120E02

C-REF-NO 103  
 CONS. NO 137  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-46-15N  
 LON 080-03-48W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 0814

NO. DEPTHS 04  
 SOUNDING 0110  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.82	1.3	320	8.400	95.5	9.26	0.002
4.0		17.80	1.3	323	8.370	95.2	9.29	0.003
7.0		17.60	1.6	324	8.350	96.5	9.29	0.003
10.0		6.62	3.1	328	7.990	96.2	9.80	0.054

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.152					
4.0		0.170					
7.0		0.170					
10.0		0.180					

C-REF-NO 103  
 CONS. NO 138  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-42-00N  
 LON 080-00-18W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 0919

NO. DEPTHS 08  
 SOUNDING 0256  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.85	0.6	319	8.580	93.5	9.92	0.002
4.0		17.86	0.6	317	8.580	93.0	10.03	0.001
7.0		17.55	0.5	318	8.600	93.2	9.95	0.001
10.0		17.33	0.5	317	8.570	94.0	9.97	0.001
13.0		17.20	0.9	320	8.560	93.5	9.95	0.001
16.0		5.19	2.2	327	8.020	94.5	11.40	0.071
19.0		5.10	2.5	327	8.010	94.7	11.52	0.080
22.0		5.14	2.7	326	7.980	94.5	11.55	0.079

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.030	000E00		000E00	800E01	150E02
4.0		0.030					
7.0		0.040	000E00				
10.0		0.044					
13.0		0.040					
16.0		0.135					
19.0		0.143					
22.0		0.145	000E00		000E00	100E02	400E01

C-REF-NO 103  
 CONS. NO 139  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-46-18N  
 LON 079-55-54W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 1020

NO. DEPTHS 05  
 SOUNDING 0140  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	2.5	14.06	2.2	315	8.210	95.0	9.94	0.018
4.0		11.95	2.3	328	8.150	95.0	10.14	0.027
7.0		8.86	2.2	330	8.050	95.0	10.51	0.052
10.0		6.68	2.1	327	7.960	95.5	10.65	0.070
13.0		6.15	2.3	330	7.930	96.1	10.75	0.082

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.160					
4.0		0.165					
7.0		0.150	000E00				
10.0		0.155					
13.0		0.170					

C-REF-NO 103  
 CONS. NO 140  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-41-15N  
 LON 079-52-09W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 1127

NO. DEPTHS 11  
 SOUNDING 0338  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	6.0	17.47	0.8	322	8.500	94.5	9.83	0.001
4.0		17.46	0.8	324	8.510	96.2	9.80	0.000
7.0		17.46	1.0	322	8.500	95.5	9.81	0.000
10.0		17.32	0.8	321	8.510	94.6	9.83	0.000
13.0		16.26	0.9	321	8.450	94.5	10.25	0.001
16.0		8.81	1.4	327	8.140	96.5	11.31	0.013
19.0		5.91	3.0	329	8.030	96.0	10.95	0.088
22.0		5.48	3.9	329	7.970	96.2	10.87	0.101
25.0		5.39	4.0	330	7.960	97.5	10.81	0.104
28.0		5.37	4.0	328	7.960	97.5	10.81	0.106
31.0		5.38	4.3	328	7.950	97.5	10.79	0.105

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.065	120E01		000E00	900E01	450E01
4.0		0.075					
7.0		0.080	000E00				
10.0		0.072					
13.0		0.045					
16.0		0.048					
19.0		0.177					
22.0		0.228	000E00				
25.0		0.268					
28.0		0.275					
31.0		0.268	300E00		000E00	600E01	750E01

C-REF-NO 103  
 CONS. NO 141  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-46-15N  
 LON 079-47-48W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 1235

NO. DEPTHS 07  
 SOUNDING 0196  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	3.5	12.83	2.4	328	8.190	89.8	10.33	0.024
4.0		12.24	2.2	328	8.200	90.5	10.33	0.024
7.0		9.68	2.3	328	8.090	91.0	10.19	0.037
10.0		5.72	2.5	332	7.880	92.0	10.17	0.067
13.0		5.67	2.7	334	7.860	93.0	10.16	0.068
16.0		5.67	2.6	333	7.870	93.5	10.17	0.067
19.0		5.60	2.9	332	7.880	94.2	10.14	0.065

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.135	100E00		000E00		100E01
4.0		0.140					
7.0		0.157					
10.0		0.195					
13.0		0.194					
16.0		0.195					
19.0		0.195	000E00		000E00	300E01	250E01

C-REF-NO 103  
 CONS. NO 142  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-51-30N  
 LON 079-34-48W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 1404

NO. DEPTHS 03  
 SOUNDING 0082  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	0.3		51.0	424	7.810		7.49	
4.0			62.0	431	7.810		7.45	
7.0			96.0	423	7.380		7.45	

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0							
4.0							
7.0							

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	328.0	160.3	37.0	58.800	13.500	2.800	5.400
4.0							
7.0							

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.014	1.600	0.010	0.005	0.140
4.0								
7.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.003	0.240	0.048	25	9.6	202.4	
4.0							
7.0							

C-REF-NO 103  
 CONS. NO 143  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-50-15N  
 LON 079-34-54W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 1535

NO. DEPTHS 04  
 SOUNDING 0107  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	5.5	16.26	1.3	329	8.470	90.0	4.94	0.001
4.0		16.28	1.1	328	8.480	89.6	5.22	0.000
7.0		13.52	3.9	331	8.370	91.5	4.91	0.015
10.0		12.50	2.7	333	8.260	92.7	4.63	0.021

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.138					
4.0		0.137					
7.0		0.205					
10.0		0.235					

C-REF-NO 103
CONS. NO 144
COUNTRY 18
INSTITUTE 22

LAT 42-48-06N  
LON 079-37-27W

YEAR 1967  
MONTH 06  
DAY 28  
TIME 1616

NO. DEPTHS 06  
SOUNDING 0192  
BT SLIDE NO 009

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	4.5	15.17	1.4	328	8.380	90.3	10.11	0.009
4.0		14.68	1.3	329	8.370	90.5	10.19	0.008
7.0		10.69	2.6	339	8.130	93.8	10.02	0.043
10.0		8.69	2.8	333	8.050	91.2	10.05	0.012
13.0		7.96	1.7	331	8.000	91.6	9.95	0.009
16.0		7.93	2.5	329	7.990	92.0	9.95	0.009

DEPTH	NO2NF	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.155	400E00	000E00	600E00	200E02	120E02
4.0		0.155					
7.0		0.288	600E00				
10.0		0.155					
13.0		0.150					
16.0		0.172	200E00	000E00	000E00	110E02	500E01

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	188.0	95.1	24.1	38.600	8.200	1.400	11.800
4.0							
7.0							
10.0							
13.0							
16.0							

DEPTH	CD NF	CR NF	CO NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0								
4.0								
7.0								
10.0								
13.0								
16.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0				5	25.6	130.1	
4.0							
7.0							
10.0							
13.0							
16.0							

C-REF-NO 103  
 CONS. NO 145  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-48-00N  
 LON 079-41-09W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 1714

NO. DEPTHS 05  
 SOUNDING 0146  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	2.2	14.53	2.4	336	8.400	94.0	10.27	0.054
4.0		11.21	4.2	348	8.090	98.5	9.72	0.098
7.0		8.83	3.6	335	8.250	94.7	9.89	0.055
10.0		8.61	3.1	334	8.040	93.6	10.00	0.042
13.0		8.11	2.5	328	8.000	92.9	10.05	0.024

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.355	280E01		000E00	320E02	210E02
4.0		0.655					
7.0		0.304	600E01				
10.0		0.209					
13.0		0.160	360E01		000E00	140E02	120E02

C-REF-NO 103  
 CONS. NO 146  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-44-57N  
 LON 079-40-21W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 1804

NO. DEPTHS 07  
 SOUNDING 0256  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	5.0	17.96	1.0	319	8.540	73.5	9.88	0.001
4.0		17.34	1.0	320	8.560	74.5	10.06	0.002
7.0		13.04	1.7	327	8.250	77.0	10.14	0.018
10.0		11.08	1.8	327	8.190	76.5	10.14	0.020
13.0		7.77	1.8	330	8.040	78.2	9.83	0.040
16.0		6.64	1.9	329	7.930	79.0	9.77	0.045
19.0		6.55	1.9	331	7.920	79.2	9.61	0.043

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.065	200E00		100E00	600E01	500E01
4.0		0.095					
7.0		0.120	000E00				
10.0		0.115					
13.0		0.185					
16.0		0.192					
19.0		0.202	100E00		000E00	300E01	450E01

C-REF-NO 103
CONS. NO 147
COUNTRY 18
INSTITUTE 22

LAT 42-40-33N  
LON 079-44-12W

YEAR 1967  
MONTH 06  
DAY 28  
TIME 1900

NO. DEPTHS 11  
SOUNDING 0347  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	4.3	17.67	1.2	324	8.460	78.0	9.85	0.001
4.0		17.17	1.0	323	8.510	78.5	9.97	0.000
7.0		16.02	1.4	325	8.420	78.5	9.75	0.003
10.0		14.69	1.1	325	8.400	77.8	9.95	0.002
13.0		10.33	1.0	329	8.200	78.0	10.69	0.022
16.0		7.68	1.0	325	8.070	79.2	11.07	0.020
19.0		5.82	2.1	326	7.980	80.2	10.73	0.065
22.0		5.73	2.7	327	7.980	80.5	10.79	0.070
25.0		5.76	3.2	327	7.960	80.5	10.78	0.071
28.0		5.67	3.3	326	7.960		10.81	0.071
31.0		5.68	3.1	325	7.960	80.4	10.78	0.071

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.113	000E00		000E00	300E01	500E01
4.0		0.125					
7.0		0.157	000E00				
10.0		0.110					
13.0		0.095					
16.0		0.088					
19.0		0.230					
22.0		0.245	000E00				
25.0		0.250					
28.0							
31.0		0.248	000E00		000E00	400E01	400E01



C-REF-NO 103  
 CONS. NO 148  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-40-12N  
 LON 079-36-45W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 2001

NO. DEPTHS 09  
 SOUNDING 0293  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	7.0	18.95	0.8	319	8.600	80.2	9.80	0.001
4.0		18.39	0.7	321	8.610	80.3	9.92	0.002
7.0		17.33	1.0	318	8.560	81.0	10.08	0.001
10.0		15.31	1.0	322	8.470	81.5	10.03	0.002
13.0		10.63	0.8	323	8.260	81.3	10.58	0.011
16.0		6.51	2.7	325	8.000	82.0	10.62	0.052
19.0		6.23	2.8	327	7.960	93.1	10.67	0.059
22.0		6.20	3.3	328	7.950	94.0	10.65	0.061
25.0		6.19	3.8	329	7.940	94.2	10.67	0.062

DEPTH	NO2NF	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.077	100E00		000E00	350E01	300E01
4.0		0.080					
7.0		0.100	100E00				
10.0		0.100					
13.0		0.082					
16.0		0.210					
19.0		0.210					
22.0		0.225	100E00				
25.0		0.245	100E00		000E00	400E01	550E01

C-REF-NO 103  
 CONS. NO 149  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-45-36N  
 LON 079-35-27W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 2100

NO. DEPTHS 08  
 SOUNDING 0253  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	5.0	18.02	1.0	324	8.480	93.7	10.05	0.000
4.0		15.68	1.4	327	8.440	94.7	10.42	0.018
7.0		11.77	1.4	329	8.220	94.5	10.00	0.039
10.0		6.94	1.7	330	8.060	95.1	10.13	0.042
13.0		6.54	2.0	329	7.960	95.7	9.91	0.050
16.0		6.51	1.9	331	7.940	96.0	9.91	0.052
19.0		6.44	2.5	333	7.940	96.7	9.91	0.053
22.0		6.44	2.0	333	7.920	97.0	9.91	0.050

DEPTH	NO2NF	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.115	100E00		000E00	450E01	650E01
4.0		0.208					
7.0		0.235	300E00				
10.0		0.225					
13.0		0.265					
16.0		0.260					
19.0		0.263					
22.0		0.268	000E00		000E00	800E01	500E01

C-REF-NO 103  
 CONS. NO 150  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-47-57N  
 LON 079-33-27W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 2138

NO. DEPTHS 06  
 SOUNDING 0192  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	6.5	17.00	1.2	325	8.520	95.5	10.20	0.001
4.0		17.45	1.0	322	8.540	95.5	10.14	0.012
7.0		13.86	1.5	335	8.340	96.7	9.99	0.031
10.0		7.72	2.3	329	7.920	97.5	9.24	0.030
13.0		7.73	1.9	331	7.900	97.7	9.24	0.031
16.0		7.72	2.0	331	7.880	97.3	9.26	0.080

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.112	000E00		000E00	100E02	800E01
4.0		0.105					
7.0		0.160	100E00				
10.0		0.223					
13.0		0.192					
16.0		0.200	100E00		100E00	800E01	800E01

C-REF-NO 103  
 CONS. NO 151  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-45-09N  
 LON 079-31-33W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 2222

NO. DEPTHS 06  
 SOUNDING 0196  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	4.5	16.51	1.2	324	8.410	95.2	10.37	0.000
4.0		16.64	1.2	327	8.390	95.7	10.36	0.000
7.0		13.60	1.7	327	8.380	95.8	10.23	0.009
10.0		6.47	2.2	330	8.010	97.0	10.11	0.054
13.0		6.48	2.5	329	7.960	97.0	10.09	0.054
16.0		6.47	2.5	333	7.950	98.6	10.08	0.054

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.105	000E00		000E00	180E02	120E02
4.0		0.120					
7.0		0.137	000E00				
10.0		0.287					
13.0		0.295					
16.0		0.298	100E00		000E00	200E02	150E02

C-REF-NO 103  
 CONS. NO 152  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-47-51N  
 LON 079-29-12W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 2305

NO. DEPTHS 07  
 SOUNDING 0213  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	6.0	17.97	1.1	327	8.550	90.5	10.18	0.002
4.0		18.45	0.9	324	8.570	90.2	9.94	0.001
7.0		13.92	1.6	332	8.410	92.6	10.37	0.008
10.0		7.26	2.0	329	8.010	93.8	9.48	0.040
13.0		7.16	2.0	332	7.950	93.5	9.30	0.041
16.0		7.16	1.8	334	7.920	94.0	9.24	0.039
19.0		7.08	1.8	333	7.900	94.2	9.22	0.038

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.125	300E00	000E00	000E00	700E01	400E01
4.0		0.120					
7.0		0.158	000E00				
10.0		0.210					
13.0		0.215					
16.0		0.210					
19.0		0.205	100E00	000E00	000E00	700E01	600E01

C-REF-NO 103  
 CONS. NO 153  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-50-24N  
 LON 079-25-57W

YEAR 1967  
 MONTH 06  
 DAY 28  
 TIME 2344

NO. DEPTHS 04  
 SOUNDING 0134  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	4.0	17.57	1.5	330	8.550	96.5	10.44	0.000
4.0		13.50	1.7	334	8.350	100.5	10.25	0.001
7.0		11.03	1.9	330	8.210	98.2	10.06	0.008
10.0		9.28	2.6	328	7.990	100.0	9.46	0.014

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.130	600E00	000E00	000E00	120E02	600E01
4.0		0.155					
7.0		0.135	120E01				
10.0		0.145	100E00	000E00	000E00	110E02	700E01

C-REF-NO 103  
 CONS. NO 154  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-49-33N  
 LON 079-18-51W

YEAR 1967  
 MONTH 06  
 DAY 29  
 TIME 0033

NO. DEPTHS 05  
 SOUNDING 0165  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0	4.0	16.43	1.8	329	8.520	99.0	10.75	0.000
4.0		16.72	1.4	329	8.550	98.2	10.70	0.001
7.0		13.15	1.7	329	8.330	97.7	9.92	0.004
10.0		12.39	2.0	329	8.730	98.0	9.52	0.006
13.0		11.86	1.9	328	8.150	98.5	9.50	0.007

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.134	500E00		000E00	700E01	450E01
4.0		0.149					
7.0		0.142	300E00				
10.0		0.145					
13.0		0.140	100E00		000E00	100E02	500E01

C-REF-NO 103  
 CONS. NO 155  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-43-51N  
 LON 079-19-57W

YEAR 1967  
 MONTH 06  
 DAY 29  
 TIME 0129

NO. DEPTHS 09  
 SOUNDING 0265  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	NO3NF
1.0		17.53	1.4	329	8.570	95.5	10.14	0.008
4.0		17.57	1.1	329	8.580	98.0	10.16	0.001
7.0		16.06	1.4	328	8.560	97.2	10.38	0.010
10.0		14.62	1.7	327	8.420	99.0	9.89	0.017
13.0		12.16	1.2	328	8.310	96.7	10.23	0.033
16.0		8.25	1.1	326	7.920	96.0	9.32	0.032
19.0		7.92	1.1	329	7.900	99.0	9.09	0.033
22.0		7.84	1.5	329	7.890	99.5	9.02	
25.0		7.84	1.5	327	7.890	97.5	8.95	

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.108	000E00		000E00	800E01	700E01
4.0		0.115					
7.0		0.138	000E00				
10.0		0.132					
13.0		0.094					
16.0		0.115					
19.0		0.137					
22.0		0.170	300E00				
25.0		0.170	100E00		100E00	140E02	100E02

C-REF-NO 103  
 CONS. NO 156  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-40-00N  
 LON 079-28-03W

YEAR 1967  
 MONTH 06  
 DAY 29  
 TIME 0248

NO. DEPTHS 09  
 SOUNDING 0277  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		18.35	0.7	321	8.750	98.8	9.86	0.000
4.0		18.34	0.7	322	8.650	99.0	9.95	0.002
7.0		18.26	0.8	320	8.660	100.0	9.78	0.001
10.0		16.70	0.9	322	8.570	99.8	9.89	0.001
13.0		15.70	1.0	322	8.470	99.4	9.85	0.003
16.0		13.17	0.9	324	8.370	98.5	10.03	0.005
19.0		8.28	1.6	327	8.140	102.0	10.28	0.039
22.0		6.02	2.3	327	8.010	99.5	10.17	0.058
25.0		5.97	2.3	328	7.950	101.7	10.22	0.060

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.072	100E00		000E00	400E01	350E01
4.0		0.075					
7.0		0.080	000E00				
10.0		0.075					
13.0		0.075					
16.0		0.075					
19.0		0.190					
22.0		0.290	200E00				
25.0		0.286	000E00		000E00	500E01	350E01

C-REF-NO 103  
 CONS. NO 157  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-34-21N  
 LON 079-24-36W

YEAR 1967  
 MONTH 06  
 DAY 29  
 TIME 0357

NO. DEPTHS 10  
 SOUNDING 0314  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.21	0.7	320	8.540	97.5	10.19	0.003
4.0		17.18	0.7	322	8.570	97.5	10.11	0.004
7.0		16.66	0.7	322	8.570	98.2	10.28	0.005
10.0		15.38	0.7	322	8.540	97.3	10.27	
13.0		13.33	0.7	322	8.390	98.8	10.48	0.055
16.0		7.84	1.0	324	8.140	99.5	11.43	0.057
19.0		6.56	1.1	324	8.000	100.5	11.41	0.066
22.0		6.37	1.4	324	7.960	103.0	11.17	0.069
25.0		6.30	1.3	325	7.950	100.0	11.04	0.069
28.0		5.79	1.5	326	7.880	102.0	10.59	0.075

DEPTH	NO2NF	R	SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0			0.062	000E00		000E00	100E02	300E01
4.0			0.067					
7.0			0.070	000E00				
10.0			0.070					
13.0			0.065					
16.0			0.105					
19.0			0.136					
22.0			0.195	000E00				
25.0			0.195					
28.0			0.285	000E00		000E00	600E01	350E01

C-REF-NO 103
CONS. NO 158
COUNTRY 18
INSTITUTE 22

LAT 42-29-27N  
LON 079-29-18W

YEAR 1967  
MONTH 06  
DAY 29  
TIME 0506

NO. DEPTHS 11  
SOUNDING 0341  
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		16.72	0.9	324	8.540	101.4	10.48	0.001
4.0		16.69		324	8.560	99.8	10.48	0.002
7.0		16.15	0.7	319	8.570	99.7	10.56	0.002
10.0		13.80	1.0	325	8.470	99.2	11.00	0.004
13.0		12.11	1.0	327	8.330	101.5	10.95	0.019
16.0		10.54	0.9	325	8.250	102.0	10.89	0.030
19.0		9.14	0.7	327	8.120	100.5	10.82	0.044
22.0		7.63	1.1	228	8.050	101.5	11.10	0.054
25.0		7.00	0.9	325	8.040	102.0	11.34	0.063
28.0		6.69	1.1	323	8.010	103.0	11.52	0.064
31.0		6.38	1.4	323	7.970	100.0	11.43	0.066

DEPTH	NO2NF	R	SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0			0.030	200E00		000E00	600E01	400E01
4.0			0.050					
7.0			0.047	000E00				
10.0			0.037					
13.0			0.027					
16.0			0.070					
19.0			0.093					
22.0			0.103	000E00				
25.0			0.087					
28.0			0.110					
31.0			0.135	100E00		000E00	600E01	500E01

C-REF-NO 103  
 CONS. NO 159  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-30-18N  
 LON 079-21-54W

YEAR 1967  
 MONTH 06  
 DAY 29  
 TIME 0608

NO. DEPTHS 06  
 SOUNDING 0183  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		17.80	1.5	323	8.540	101.5	9.80	0.012
4.0		17.67	1.4	320	8.520	102.0	9.85	0.001
7.0		15.75	1.5	321	8.450	101.0	10.05	0.001
10.0		14.52	1.8	321	8.390	101.5	9.95	0.005
13.0		12.55	1.7	322	8.290	104.5	10.06	0.011
16.0		10.44	1.8	326	8.140	103.4	9.81	0.041

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.073	000E00		000E00	500E01	400E01
4.0		0.080					
7.0		0.085	500E00				
10.0		0.105					
13.0		0.125					
16.0		0.250	300E00		000E00	600E01	200E01

C-REF-NO 103  
 CONS. NO 160  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-33-21N  
 LON 079-14-24W

YEAR 1967  
 MONTH 06  
 DAY 29  
 TIME 0706

NO. DEPTHS 06  
 SOUNDING 0180  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		16.94	1.5	320	8.480	100.0	9.99	0.001
4.0		16.94	1.5	320	8.480	101.0	9.97	0.002
7.0		16.81	1.3	320	8.500	103.0	10.00	0.001
10.0		15.23	1.3	321	8.460	104.4	10.34	0.001
13.0		14.69	1.5	318	8.380	101.5	10.16	0.004
16.0		13.01	1.7	322	8.300	102.5	10.11	0.009

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.070	100E00		000E00	600E01	400E01
4.0		0.082					
7.0		0.065	000E00				
10.0		0.072					
13.0		0.082					
16.0		0.112	000E00		000E00	500E01	400E01

C-REF-NO 103  
 CONS. NO 161  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-38-54N  
 LON 079-11-57W

YEAR 1967  
 MONTH 06  
 DAY 29  
 TIME 0811

NO. DEPTHS 08  
 SOUNDING 0235  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		16.57	1.0	321	8.490	101.8	10.25	0.004
4.0		16.57	1.0	325	8.520	104.3	10.23	0.004
7.0		16.54	0.9	322	8.520	104.0	10.27	0.003
10.0		13.62	1.1	323	8.340	102.0	10.65	0.008
13.0		12.60	1.1	323	8.270	103.5	10.61	0.020
16.0		11.39	1.1	324	8.180	100.5	10.78	0.029
19.0		10.26	1.1	325	8.100	100.6	10.56	0.044
22.0		9.31	1.5	326	7.940	102.0	9.77	0.059

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.075	310E01		000E00	600E01	350E01
4.0		0.117					
7.0		0.100	000E00				
10.0		0.102					
13.0		0.100					
16.0		0.110					
19.0		0.135					
22.0		0.270	400E00		000E00	600E01	350E01

C-REF-NO 103  
 CONS. NO 162  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-39-45N  
 LON 079-06-36W

YEAR 1967  
 MONTH 06  
 DAY 29  
 TIME 0910

NO. DEPTHS 05  
 SOUNDING 0156  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		16.97	1.4	320	8.460	102.5	9.92	0.001
4.0		16.97	1.3	321	8.470	105.0	9.91	0.002
7.0		16.81	1.3	326	8.460	103.2	9.97	0.003
10.0		16.34	1.1	325	8.460	105.7	10.03	0.003
13.0		15.49	2.0	321	8.380	102.7	10.06	0.008

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.093	000E00		000E00	500E01	400E01
4.0		0.090					
7.0		0.088	000E00				
10.0		0.090					
13.0		0.088	300E00		000E00	500E01	400E01



C-REF-NO 103  
 CONS. NO 163  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-43-42N  
 LON 079-07-36W  
 YEAR 1967  
 MONTH 06  
 DAY 29  
 TIME 1009

NO. DEPTHS 07  
 SOUNDING 0198  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0		16.19	1.0	321	8.490	99.5	10.33	0.001
4.0		16.20	0.9	322	8.500	103.8	10.44	0.002
7.0		16.05	0.9	321	8.500	104.0	10.31	0.003
10.0		14.85	1.1	323	8.460	107.0	10.62	0.002
13.0		13.64	1.1	324	8.380	111.3	10.54	0.004
16.0		13.23	1.6	324	8.300	109.0	10.47	0.009
19.0		12.74	1.8	323	8.230	109.4	10.37	0.017

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.080	000E00		000E00	500E01	400E01
4.0		0.095					
7.0		0.095	000E00				
10.0		0.105					
13.0		0.110					
16.0		0.120					
19.0		0.145	100E00		000E00	150E02	120E02

C-REF-NO 103  
 CONS. NO 164  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-44-12N  
 LON 078-59-09W  
 YEAR 1967  
 MONTH 06  
 DAY 29  
 TIME 1113

NO. DEPTHS 04  
 SOUNDING 0134  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	6.0	17.63	0.9	323	8.480	105.5	9.54	0.001
4.0		17.62	0.9	323	8.540	107.5	9.32	0.002
7.0		17.62	1.1	322	8.540	105.5	9.54	0.001
10.0		15.89	1.0	324	8.440	107.0	9.64	0.004

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.115	100E00		000E00	600E01	250E01
4.0		0.115					
7.0		0.115	000E00				
10.0		0.120	100E00		000E00	700E01	250E01

C-REF-NO 103
CONS. NO 165
COUNTRY 18
INSTITUTE 22

LAT 42-49-12N  
LON 078-55-06W

YEAR 1967  
MONTH 06  
DAY 29  
TIME 1213

NO. DEPTHS 04  
SCUNDING 0122  
BT SLIDE NO 010

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	6.0	17.90	1.2	321	8.550	104.7	9.64	0.001
4.0		17.90	1.0	323	8.560	107.5	9.64	0.002
7.0		17.86	1.5	322	8.570	107.2	9.76	0.002
10.0		17.33	1.1	323	8.560	109.2	9.68	0.002

DEPTH	NO2NF	R SI02	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.090	000E00		000E00	100E02	300E01
4.0		0.095					
7.0		0.095	000E00				
10.0		0.103	000E00		000E00	120E02	300E01

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	186.0	92.3	24.5	38.000	8.000	1.300	11.900
4.0							
7.0							
10.0							

DEPTH	CO NF	CR NF	CD NF	CU NF	FE NF	PB NF	LI NF	MN NF
1.0	0.000	0.000	0.000	0.032	0.125	0.005	0.003	0.002
4.0								
7.0								
10.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.002	0.170	0.010	5	24.2	127.8	
4.0							
7.0							
10.0							

C-REF-NO 103  
 CONS. NO 166  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-48-39N  
 LON 079-02-36W

YEAR 1967  
 MONTH 06  
 DAY 29  
 TIME 1347

NO. DEPTHS 06  
 SOUNDING 0183  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	5.0	16.11	1.8	324	8.410	110.0	9.80	0.002
4.0		16.15	1.5	324	8.450	110.7	9.80	0.002
7.0		16.15	1.9	323	8.460	112.0	9.75	0.002
10.0		16.14	2.0	324	8.460	113.0	9.72	0.002
13.0		15.44	1.9	326	8.400	114.0	9.57	0.003
16.0		9.76	1.8	333	8.010	116.0	8.49	0.028

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.100	000E00		000E00	600E01	400E01
4.0		0.105					
7.0		0.105	000E00				
10.0		0.105					
13.0		0.110					
16.0		0.148	000E00		000E00	800E01	300E01

C-REF-NO 103  
 CONS. NO 167  
 COUNTRY 18  
 INSTITUTE 22

LAT 42-49-18N  
 LON 079-10-45W

YEAR 1967  
 MONTH 06  
 DAY 29  
 TIME 1452

NO. DEPTHS 06  
 SOUNDING 0192  
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	NO3NF
1.0	5.0	17.67	1.7	323	8.540	110.0	9.71	
4.0		17.72	1.5	323	8.540	111.0	9.69	
7.0		17.70	1.1	323	8.550	112.7	9.81	
10.0		17.71	1.5	323	8.560	113.1	9.94	
13.0		17.71	1.0	323	8.560	113.0	9.71	
16.0		17.61	1.0	323	8.590	113.0	9.71	

DEPTH	NO2NF	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.025	100E00		000E00	800E01	700E01
4.0		0.043					
7.0		0.049	700E00				
10.0		0.046					
13.0		0.045					
16.0		0.050	000E00		000E00	400E01	300E01