

Programmed by

GREAT LAKES DIVISION

INLAND WATERS BRANCH

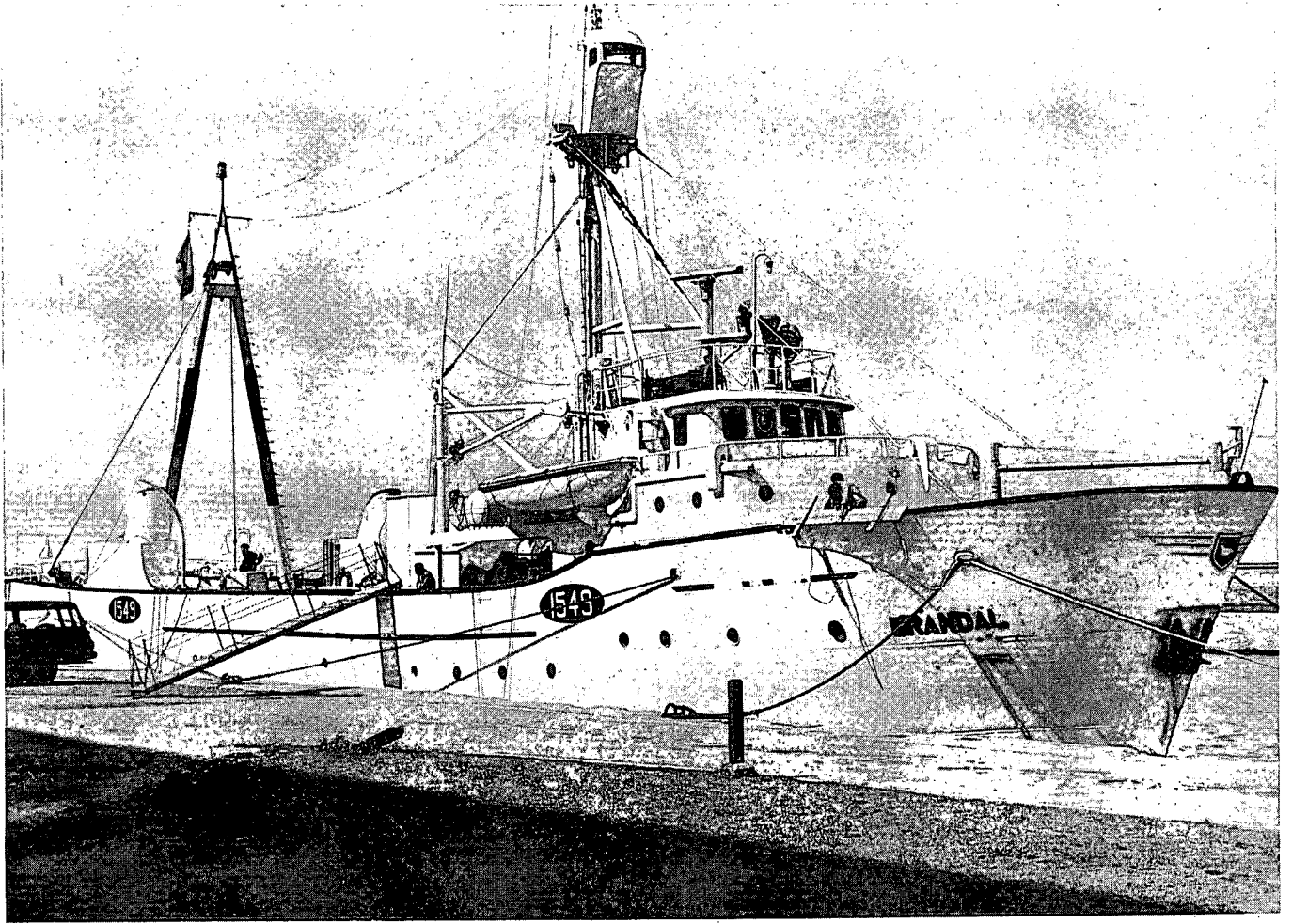
DEPARTMENT of ENERGY, MINES & RESOURCES

and

PUBLIC HEALTH ENGINEERING DIVISION

DEPARTMENT of NATIONAL HEALTH & WELFARE

CANADA



M.V. "Brandal"



LIMNOLOGICAL DATA REPORT NO. 2

LAKE ERIE

CRUISE 67 - 104, July 4 - 9

CRUISE 67 - 105, July 10 - 19

CRUISE 67 - 107, July 31 August 9

1967

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

Published by
CANADIAN OCEANOGRAPHIC DATA CENTRE
1970

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.

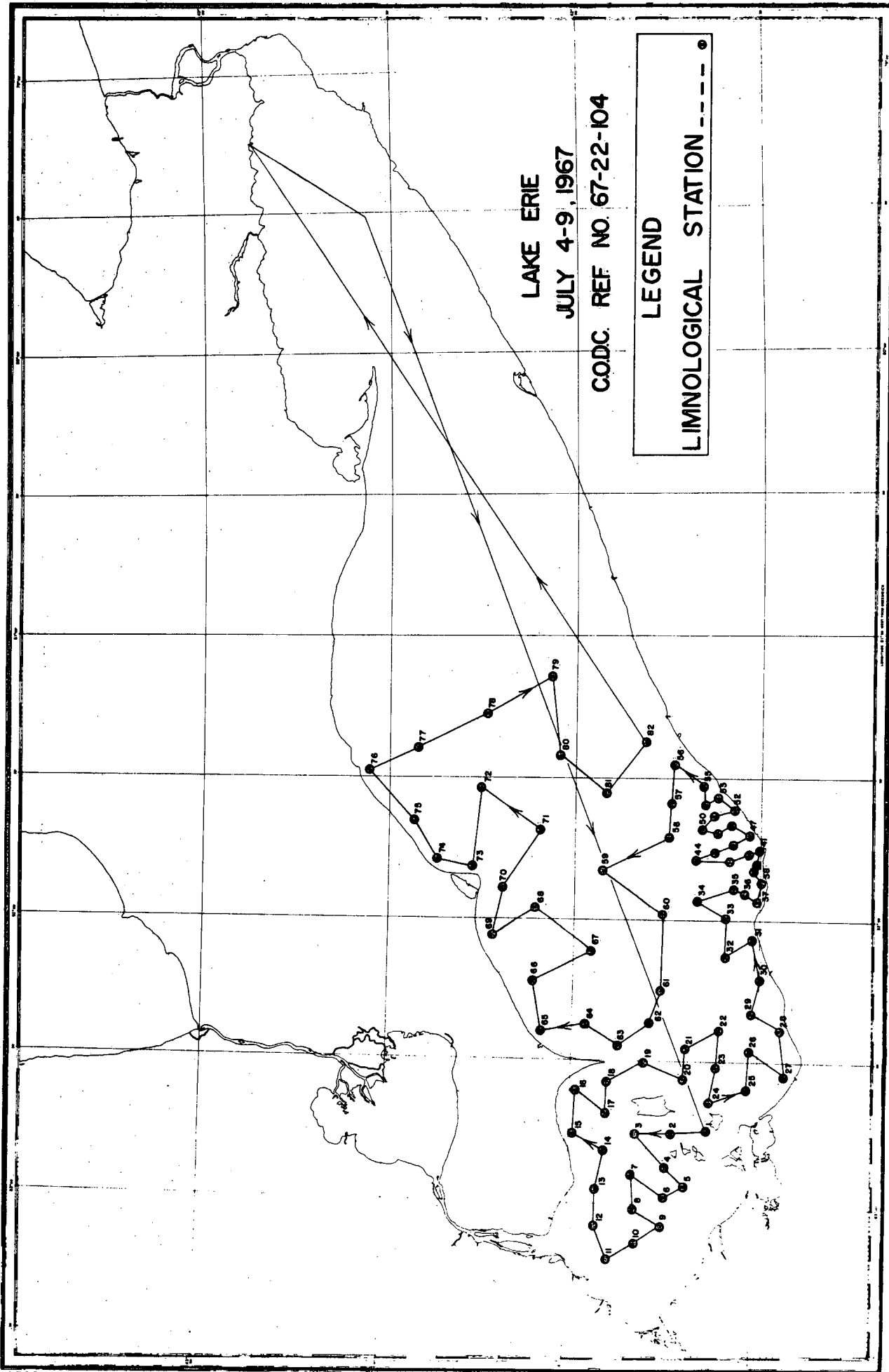
The 1967 surveys were carried out by the Great Lakes Division (Inland Waters Branch) and the Canadian Hydrographic Service (Marine Sciences Branch), both of which are Branches of the Department of Energy, Mines and Resources, and by the Public Health Engineering Division of the Department of National 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.

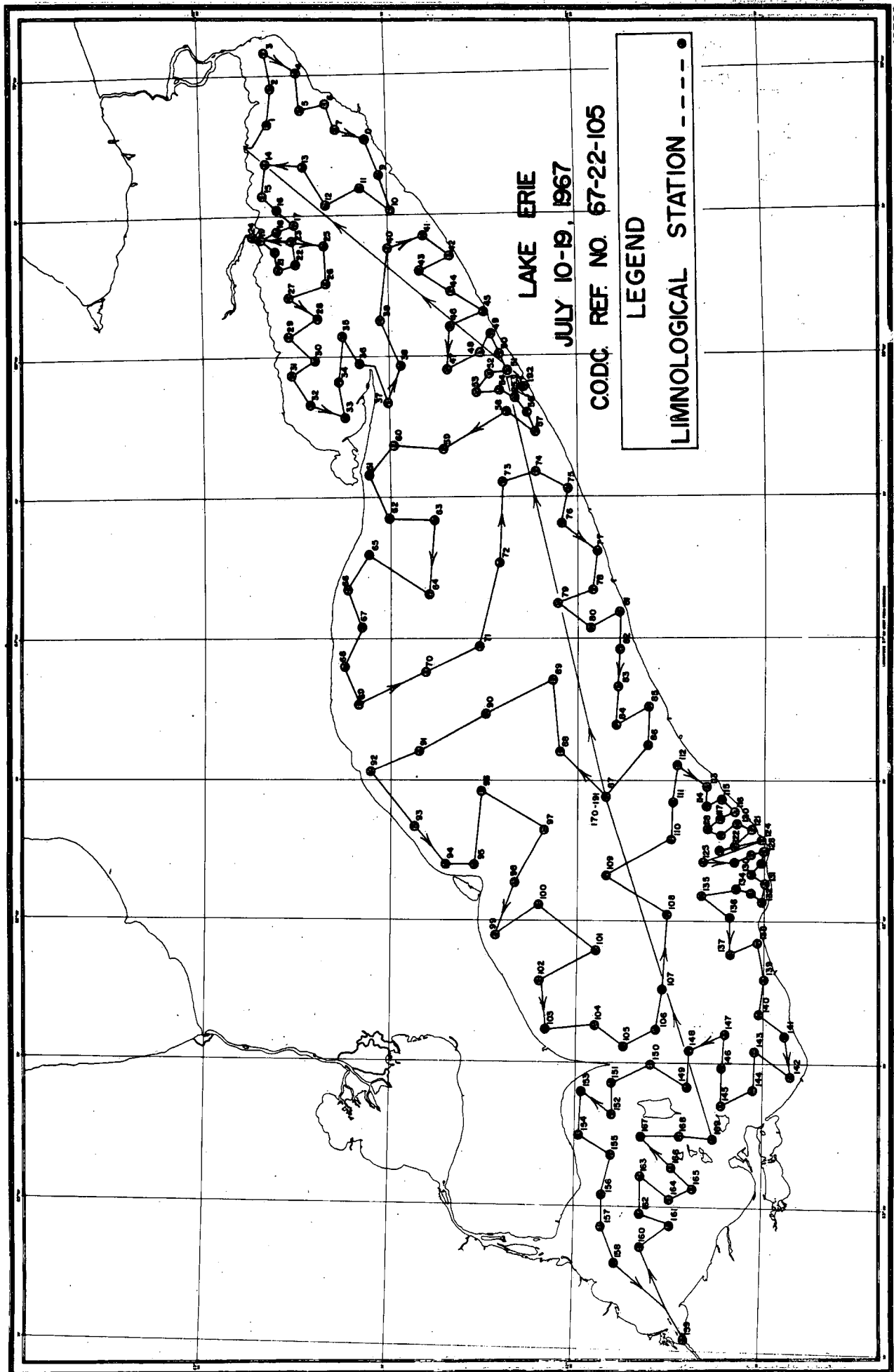
Accompanying diagrams show the geographical locations of the observations listed in this data record, together with the vessel's track and the locations of bathythermograph lowerings.

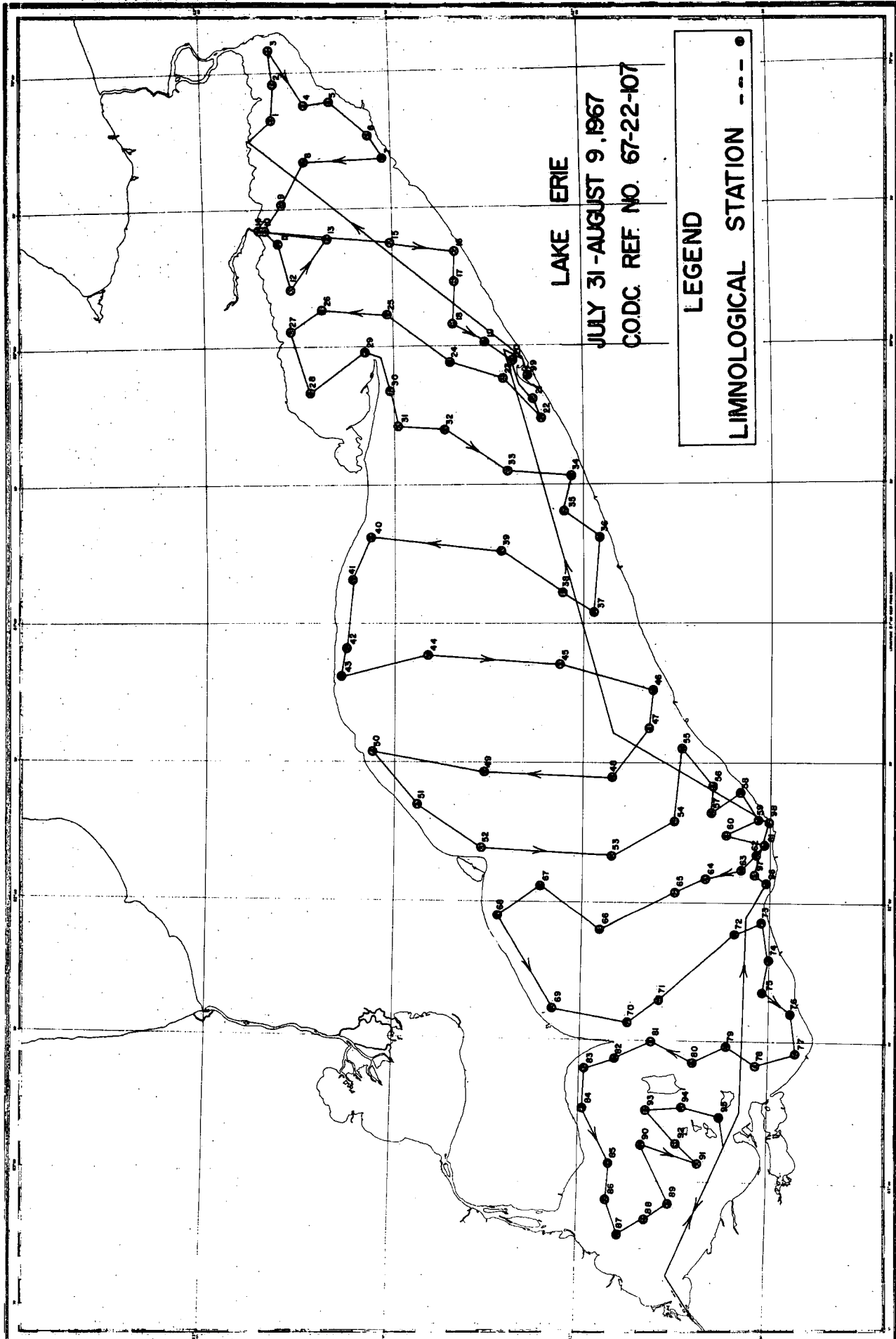


LAKE ERIE
 JULY 4-9, 1967

CODC. REF NO. 67-22-104

LEGEND
 LIMNOLOGICAL STATION - - - - ○





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

Data Report No.	1		
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 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

<u>Parameter Name</u>	<u>Abbreviation (column heading)</u>	<u>Units used in the Data Reports</u>	<u>No. of Decimals printed</u>	<u>Star System Code</u>
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 ₃ /L	1	219
Alkalinity, total (colorimetric)	TC ALK	mg CaCO ₃ /L	1	220
Biochemical Oxygen Demand (Winkler)	BOD W	mg O ₂ /L	1	239
Oxygen, dissolved (Winkler)	O2 W	mg O ₂ /L	2	245
Phosphate, reactive	R PO4	mg PO ₄ /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 ₄ /L	1	280
Chloride, NF	CL	mg Cl/L	1	290
Silica, reactive	R SIO2	mg SIO ₂ /L	3	295
Hardness, total	HARD	mg CaCO ₃ /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 CaCO₃/liter. The constituents reacting with the hydrogen ion during the alkalinity measurement were assumed to be CO₃⁻², and an equivalent amount of Ca⁺⁺ was arbitrarily assumed to be present. Actually most of the alkalinity in Great Lakes waters is HCO₃. Conversion factor for alkalinity: 1 mg CaCO₃/liter = 1.219 mg HCO₃/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).

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).

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.

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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 - 104

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

LAT 41-37-54N
 LON 082-45-00W
 YEAR 1967
 MONTH 07
 DAY 05
 TIME 1212

NO. DEPTHS 03
 SOUNDING 0090
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	1.5	21.71	4.7	313	8.290	7.93
4.0		21.71	4.4	313	8.230	8.19
7.0		21.71	4.6	313	8.260	7.87

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

LAT 41-43-36N
 LON 082-44-54W
 YEAR 1967
 MONTH 07
 DAY 05
 TIME 1311

NO. DEPTHS 04
 SOUNDING 0108
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	1.5	21.65	5.5	302	8.140	7.01
4.0		21.64	5.3	303	8.120	6.86
7.0		21.63	5.9	301	8.120	6.94
10.0		21.62	5.7	301	8.120	6.92

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

LAT 41-49-12N
 LON 082-44-57W
 YEAR 1967
 MONTH 07
 DAY 05
 TIME 1436

NO. DEPTHS 04
 SOUNDING 0109
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	2.0	21.56	4.1	288	8.140	6.87
4.0		21.54	4.9	287	8.190	6.84
7.0		21.53	4.4	287	8.210	6.92
10.0		21.53	5.7	287	8.180	6.84

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

LAT 41-44-30N
 LON 082-52-00W
 YEAR 1967
 MONTH 07
 DAY 05
 TIME 1602

NO. DEPTHS 03
 SOUNDING 0104
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	1.5	22.00	5.2	298	8.230	7.34
4.0		21.97	5.1	298	8.260	7.45
7.0		21.83	6.0	297	8.260	7.28

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

LAT 41-41-03N
 LON 082-56-03W

YEAR 1967
 MONTH 07
 DAY 05
 TIME 1651

NO. DEPTHS 03
 SOUNDING 0098
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	1.5	21.88	6.6	284	8.300	7.23
4.0		21.87	5.5	271	8.230	7.15
7.0		21.85	6.9	284	8.250	7.09

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

LAT 41-44-45N
 LON 082-58-21W

YEAR 1967
 MONTH 07
 DAY 05
 TIME 1834

NO. DEPTHS 03
 SOUNDING 0098
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	2.0	21.84	3.9	266	8.460	8.01
4.0		21.73	3.9	267	8.500	7.96
7.0		21.57	3.8	267	8.430	7.64

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

LAT 41-49-45N
 LON 082-53-27W

YEAR 1967
 MONTH 07
 DAY 05
 TIME 1848

NO. DEPTHS 03
 SOUNDING 0098
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	1.5	21.98	4.1	279	8.350	7.60
4.0		21.91	3.8	282	8.360	7.65
7.0		21.68	4.5	278	8.320	7.20

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

LAT 41-49-51N
 LON 083-01-03W

YEAR 1967
 MONTH 07
 DAY 05
 TIME 1947

NO. DEPTHS 03
 SOUNDING 0104
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	1.5	21.84	4.3	265	8.580	8.99
4.0		21.21	4.0	264	8.550	8.40
7.0		20.97	4.5	262	8.430	8.04

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

LAT 41-45-33N
 LON 083-04-45W

YEAR 1967
 MONTH 07
 DAY 05
 TIME 2057

NO. DEPTHS 03
 SOUNDING 0096
 BT SLIDE NO 001

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	1.5	21.94	5.2	269	8.780	10.50
4.0		21.33	4.9	261	8.600	9.10
7.0		21.04	5.6	270	8.390	7.54

C-REF-NO 104
 CONS. NO 010
 COUNTRY 18
 INSTITUTE 22

LAT 41-49-24N
 LON 083-08-09W

YEAR 1967
 MONTH 07
 DAY 05
 TIME 2153

NO. DEPTHS 03
 SOUNDING 0094
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	1.5	21.37	3.7	258	8.470	9.14
4.0		20.97	4.1	256	8.370	8.52
7.0		20.77	4.5	257	8.260	7.81

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

LAT 41-53-39N
 LON 083-11-42W

YEAR 1967
 MONTH 07
 DAY 05
 TIME 2306

NO. DEPTHS 03
 SOUNDING 0085
 BT SLIDE NO 002

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	1.5	20.91	3.5	266	8.240	8.49
4.0		20.81	3.9	262	8.240	8.41
7.0		20.11	5.7	254	8.070	7.46

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

LAT 41-55-36N
 LON 083-04-30W

YEAR 1967
 MONTH 07
 DAY 05
 TIME 2357

NO. DEPTHS 03
 SOUNDING 0091
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	2.5	21.34	3.0	263	8.590	10.08
4.0		20.62	3.0	263	8.560	9.47
7.0		19.91	4.2	261	8.250	7.85

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

LAT 41-55-18N
 LON 082-56-54W

YEAR 1967
 MONTH 07
 DAY 06
 TIME 0113

NO. DEPTHS 03
 SOUNDING 0104
 BT SLIDE NO 003

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	2.0	22.04	3.9	279	8.560	8.41
4.0		21.80	4.1	274	8.400	7.82
7.0		21.56	4.7	274	8.430	7.36

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

LAT 41-54-30N
 LON 082-48-54W

YEAR 1967
 MONTH 07
 DAY 06
 TIME 0204

NO. DEPTHS 04
 SOUNDING 0113
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		21.86	3.6	278	8.500	8.80
4.0		21.85	3.7	276	8.510	7.40
7.0		21.39	4.1	277	8.330	8.79
10.0		21.36	4.8	276	8.240	7.11

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

LAT 41-59-33N
 LON 082-45-03W

YEAR 1967
 MONTH 07
 DAY 06
 TIME 0258

NO. DEPTHS 03
 SOUNDING 0101
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		21.53	3.9	280	8.580	8.55
4.0		21.52	4.1	278	8.580	8.47
7.0		20.97	4.7	279	8.330	6.95

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

LAT 41-59-15N
 LON 082-36-18W

YEAR 1967
 MONTH 07
 DAY 06
 TIME 0422

NO. DEPTHS 03
 SOUNDING 0104
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		21.35	4.4	282	8.810	9.64
4.0		21.34	4.2	282	8.820	9.53
7.0		21.23	4.9	288	8.590	7.46

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

LAT 41-54-18N
 LON 082-41-00W

YEAR 1967
 MONTH 07
 DAY 06
 TIME 0517

NO. DEPTHS 04
 SOUNDING 0116
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		21.50	3.4	295	8.380	7.96
4.0		21.49	3.5	293	8.360	7.95
7.0		21.17	3.3	296	8.170	7.20
10.0		21.14	4.0	297	8.150	6.98

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

LAT 41-54-18N
 LON 082-34-33W

YEAR 1967
 MONTH 07
 DAY 06
 TIME 0606

NO. DEPTHS 03
 SOUNDING 0107
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		21.24	2.5	295	8.390	8.23
4.0		21.22	2.2	295	8.410	8.16
7.0		21.02	2.4	294	8.370	7.93

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

LAT 41-48-18N
 LON 082-30-21W

YEAR 1967
 MONTH 07
 DAY 06
 TIME 0733

NO. DEPTHS 04
 SOUNDING 0119
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		21.14	2.9	301	8.450	8.27
4.0		21.06	2.2	301	8.460	8.18
7.0		20.89	2.2	301	8.440	8.09
10.0		19.64	2.6	302	8.330	7.00

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

LAT 41-41-57N
 LON 082-34-54W

YEAR 1967
 MONTH 07
 DAY 06
 TIME 0850

NO. DEPTHS 04
 SOUNDING 0122
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		21.06	2.2	305	8.310	7.96
4.0		21.02	2.2	306	8.300	7.91
7.0		21.00	2.2	305	8.300	7.99
10.0		20.85	2.1	306	8.240	7.56

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

LAT 41-41-24N
 LON 082-27-09W

YEAR 1967
 MONTH 07
 DAY 06
 TIME 1000

NO. DEPTHS 04
 SOUNDING 0134
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		20.87	1.8	307	8.300	8.16
4.0		20.84	1.9	304	8.370	8.09
7.0		20.82	1.9	304	8.380	8.09
10.0		20.84	1.9	304	8.370	8.15

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

LAT 41-36-27N
 LON 082-23-06W

YEAR 1967
 MONTH 07
 DAY 06
 TIME 1053

NO. DEPTHS 05
 SOUNDING 0152
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	5.0	20.41	1.4	310	8.410	8.32
4.0		20.38	1.4	310	8.410	8.35
7.0		20.38	1.6	299	8.480	8.32
10.0		20.37	1.4	308	8.440	8.32
13.0		13.54	1.5	334	7.830	4.90

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

LAT 41-36-42N
 LON 082-31-18W

YEAR 1967
 MONTH 07
 DAY 06
 TIME 1216

NO. DEPTHS 04
 SOUNDING 0136
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	3.0	20.72	2.1	308	8.300	8.02
4.0		20.70	2.2	308	8.320	7.78
7.0		20.69	2.1	308	8.330	8.02
10.0		20.68	2.0	307	8.330	8.01

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

LAT 41-36-48N
 LON 082-38-45W

YEAR 1967
 MONTH 07
 DAY 06
 TIME 1307

NO. DEPTHS 04
 SOUNDING 0131
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	2.0	21.13	3.9	308	8.280	7.81
4.0		21.11	4.3	308	8.270	7.57
7.0		21.10	4.6	309	8.270	7.71
10.0		21.09	4.1	309	8.280	7.70

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

LAT 41-31-45N
 LON 082-35-51W
 YEAR 1967
 MONTH 07
 DAY 06
 TIME 1424

NO. DEPTHS 04
 SOUNDING 0135
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	5.0	20.50	1.7	309	8.350	7.99
4.0		20.47	1.7	309	8.360	8.10
7.0		20.46	1.8	310	8.370	8.09
10.0		20.43	1.6	309	8.360	7.96

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

LAT 41-31-24N
 LON 082-27-51W
 YEAR 1967
 MONTH 07
 DAY 06
 TIME 1527

NO. DEPTHS 05
 SOUNDING 0140
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	7.0	20.18	1.1	313	8.410	8.47
4.0		20.13	1.1	312	8.430	8.49
7.0		20.10	1.1	312	8.440	8.55
10.0		20.02	1.0	313	8.440	8.43
13.0		19.92	1.1	315	8.390	8.19

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

LAT 41-25-48N
 LON 082-32-57W
 YEAR 1967
 MONTH 07
 DAY 06
 TIME 1638

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	2.0	21.12	3.6	318	8.350	8.04
4.0		21.10	3.0	319	8.360	8.04
7.0		21.03	3.3	318	8.360	7.96
10.0		20.96	3.3	314	8.370	7.98

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

LAT 41-26-24N
 LON 082-24-15W
 YEAR 1967
 MONTH 07
 DAY 06
 TIME 1734

NO. DEPTHS 04
 SOUNDING 0113
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	2.5	20.93	3.4	309	8.390	8.40
4.0		20.90	3.4	309	8.390	8.27
7.0		20.82	3.4	309	8.400	8.19
10.0		20.56	2.7	310	8.390	8.01

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

LAT 41-31-06N
 LON 082-19-51W

YEAR 1967
 MONTH 07
 DAY 06
 TIME 1846

NO. DEPTHS 05
 SOUNDING 0137
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	6.5	20.11	1.7	317	8.540	9.13
4.0		20.09	1.4	317	8.570	9.00
7.0		20.02	1.2	317	8.560	9.11
10.0		19.88	1.2	320	8.550	9.08
13.0		14.59	2.1	333	7.750	3.81

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

LAT 41-29-57N
 LON 082-12-57W

YEAR 1967
 MONTH 07
 DAY 06
 TIME 1938

NO. DEPTHS 04
 SOUNDING 0119
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	3.0	20.94	2.2	312	8.380	8.16
4.0		20.92	2.6	310	8.360	8.12
7.0		20.87	2.3	312	8.350	8.16
10.0		20.43	2.5	314	8.260	8.01

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

LAT 41-31-15N
 LON 082-04-51W

YEAR 1967
 MONTH 07
 DAY 06
 TIME 2038

NO. DEPTHS 05
 SOUNDING 0140
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	3.5	20.68	2.2	314	8.290	8.26
4.0		20.57	2.4	314	8.310	8.27
7.0		20.52	2.1	315	8.300	8.15
10.0		20.39	2.1	315	8.290	8.18
13.0		17.96	2.6	318	8.040	5.83

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

LAT 41-35-33N
 LON 082-07-30W

YEAR 1967
 MONTH 07
 DAY 06
 TIME 2143

NO. DEPTHS 05
 SOUNDING 0168
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	4.5	20.09	1.5	318	8.410	8.72
4.0		20.06	1.4	319	8.430	8.72
7.0		20.03	1.7	319	8.430	8.65
10.0		19.99	1.5	318	8.430	8.63
13.0		19.44	1.3	318	8.400	8.40

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

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

YEAR 1967
 MONTH 07
 DAY 06
 TIME 2244

NO. DEPTHS 06
 SOUNDING 0174
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	7.0	19.85	1.0	318	8.460	8.71
4.0		19.84	1.0	318	8.470	8.68
7.0		19.83	1.1	318	8.460	8.65
10.0		19.83	1.1	318	8.470	8.72
13.0		19.82	1.1	317	8.530	8.63
16.0		12.25	1.6	336	7.790	4.67

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

LAT 41-40-18N
 LON 081-55-21W

YEAR 1967
 MONTH 07
 DAY 06
 TIME 2342

NO. DEPTHS 07
 SOUNDING 0204
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	7.0	19.52	1.2	316	8.510	8.94
4.0		19.50	0.9	316	8.560	8.89
7.0		19.48	0.9	317	8.560	9.02
10.0		19.49	0.9	318	8.530	8.94
13.0		19.48	0.8	318	8.540	9.03
16.0		10.79	1.5	332	7.820	5.36
19.0		10.64	1.6	332	7.750	5.10

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

LAT 41-34-24N
 LON 081-53-09W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 0057

NO. DEPTHS 06
 SOUNDING 0174
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	7.5	19.64	1.1	320	8.490	8.80
4.0		19.60	1.1	320	8.510	8.83
7.0		19.61	1.2	320	8.500	8.89
10.0		19.59	0.9	320	8.530	9.02
13.0		19.55	1.0	320	8.530	9.05
16.0		11.89	1.8	341	7.740	3.27

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

LAT 41-32-27N
 LON 081-54-03W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 0128

NO. DEPTHS 05
 SOUNDING 0158
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		19.95	1.3	316	8.300	8.18
4.0		19.91	1.4	316	8.340	8.41
7.0		19.90	1.3	317	8.340	8.24
10.0		19.91	1.3	314	8.340	8.24
13.0		19.90	1.3	316	8.330	8.15

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

LAT 41-30-21N
 LON 081-56-00W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 0205

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		20.63	4.1	317	8.240	7.93
4.0		20.60	3.6	317	8.210	7.95
7.0		20.59	3.9	316	8.230	7.93
10.0		20.61	3.9	315	8.210	7.98

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

LAT 41-29-45N
 LON 081-51-54W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 0251

NO. DEPTHS 03
 SCUNDING 0107
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		20.50	3.2	316	8.230	7.93
4.0		20.47	3.0	317	8.230	8.01
7.0		20.46	3.1	316	8.210	8.04

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

LAT 41-31-03N
 LON 081-49-21W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 0355

NO. DEPTHS 05
 SCUNDING 0140
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		20.15	1.4	317	8.380	8.43
4.0		20.13	1.4	317	8.340	8.57
7.0		20.11	1.3	318	8.340	8.51
10.0		20.08	1.4	315	8.370	8.05
13.0		19.80	1.4	316	8.320	8.68

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

LAT 41-30-42N
 LON 081-47-48W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 0440

NO. DEPTHS 04
 SOUNDING 0119
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		20.33	1.7	326	8.230	8.09
4.0		20.32	1.3	325	8.220	8.05
7.0		20.28	1.6	323	8.250	8.12
10.0		20.20	1.5	320	8.290	8.19

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

LAT 41-30-18N
 LON 081-45-00W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 0516

NO. DEPTHS 04
 SOUNDING 0113
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		20.52	4.5	349	8.040	7.17
4.0		20.49	4.1	347	8.080	7.18
7.0		20.33	2.5	326	8.150	7.68
10.0		20.23	2.2	322	8.230	7.93

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

LAT 41-32-03N
 LON 081-45-42W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 0547

NO. DEPTHS 05
 SOUNDING 0149
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		19.89	1.2	317	8.350	8.54
4.0		19.86	1.3	317	8.370	8.52
7.0		19.85	1.1	318	8.380	8.49
10.0		19.81	1.0	318	8.400	8.47
13.0		18.80	2.5	320	8.300	8.41

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

LAT 41-34-57N
 LON 081-47-39W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 0631

NO. DEPTHS 06
 SOUNDING 0177
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		19.13	1.0	320	8.510	9.41
4.0		19.11	1.1	320	8.570	9.36
7.0		19.10	9.0	321	8.580	9.36
10.0		19.06	1.0	320	8.580	9.41
13.0		17.42	1.0	322	8.490	9.05
16.0		11.23	1.4	334	7.720	4.37

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

LAT 41-40-27N
 LON 081-47-03W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 0731

NO. DEPTHS 07
 SOUNDING 0207
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		18.77	1.5	321	8.570	9.58
4.0		18.76	1.4	321	8.580	9.56
7.0		18.75	1.8	321	8.580	9.58
10.0		18.60	1.4	321	8.580	9.63
13.0		15.36	1.7	324	8.240	8.30
16.0		9.78	1.2	329	7.750	5.92
19.0		9.81	1.3	329	7.690	5.91

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

LAT 41-37-21N
 LON 081-45-21W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 0842

NO. DEPTHS 06
 SOUNDING 0183
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	7.0	19.01	0.9	324	8.580	9.49
4.0		18.99	0.8	324	8.620	9.47
7.0		18.98	0.9	322	8.660	9.58
10.0		18.97	1.0	319	8.630	9.49
13.0		17.38	1.6	320	8.310	9.03
16.0		11.39	2.1	338	7.700	4.35

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

LAT 41-34-36N
 LON 081-43-42W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 0927

NO. DEPTHS 05
 SOUNDING 0168
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		19.42	1.2	319	8.360	8.41
4.0		19.39	1.1	320	8.400	8.44
7.0		19.38	1.3	321	8.420	8.47
10.0		19.35	1.3	321	8.420	8.49
13.0		19.21	1.1	318	8.440	8.55

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

LAT 41-31-57N
 LON 081-41-57W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 1021

NO. DEPTHS 04
 SOUNDING 0122
 BT SLIDE NO 004

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	4.0	20.02	1.7	325	8.250	7.79
4.0		19.99	1.6	323	8.240	7.81
7.0		19.99	1.5	322	8.220	7.78
10.0		19.94	1.8	325	8.230	7.78

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

LAT 41-34-45N
 LON 081-39-33W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 1104

NO. DEPTHS 05
 SOUNDING 0143
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	5.5	19.81	1.5	323	8.280	8.16
4.0		19.78	1.5	323	8.280	8.24
7.0		19.79	1.5	320	8.370	8.21
10.0		19.79	1.6	321	8.290	8.02
13.0		17.05	3.1	333	7.880	5.13

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

LAT 41-36-57N
 LON 081-41-39W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 1142

NO. DEPTHS 05
 SOUNDING 0168
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	7.0	19.51	1.4	325	8.340	8.30
4.0		19.49	1.3	325	8.350	8.29
7.0		19.48	1.5	326	8.370	8.37
10.0		19.43	1.6	326	8.370	8.38
13.0		18.16	1.4	327	8.370	8.35

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

LAT 41-39-30N
 LON 081-40-54W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 1220

NO. DEPTHS 06
 SOUNDING 0189
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	7.5	19.20	1.2	321	8.490	8.99
4.0		19.17	1.2	321	8.510	9.00
7.0		19.16	1.3	321	8.500	9.05
10.0		19.14	1.1	323	8.490	8.94
13.0		18.04	1.1	326	8.490	9.05
16.0		10.74	1.8	333	7.710	5.19

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

LAT 41-37-06N
 LON 081-37-36W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 1340

NO. DEPTHS 05
 SOUNDING 0158
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	6.0	19.51	1.5	326	8.340	8.55
4.0		19.49	1.3	338	8.400	8.41
7.0		19.48	1.4	311	8.360	8.52
10.0		19.41	1.4	326	8.370	8.40
13.0		16.15	1.4	329	8.180	7.34

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

LAT 41-34-24N
 LON 081-36-18W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 1417

NO. DEPTHS 04
 SOUNDING 0122
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	4.0	19.75	1.7	331	8.220	8.01
4.0		19.71	1.6	331	8.220	8.02
7.0		19.68	1.8	332	8.230	8.01
10.0		19.44	2.2	333	8.250	7.90

C-REF-NO 104
 CONS. NO 053
 COUNTRY 18
 INSTITUTE 22

LAT 41-37-09N
 LON 081-33-48W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 1513

NO. DEPTHS 04
 SOUNDING 0131
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	5.0	19.69	1.8	331	8.310	8.32
4.0		19.65	1.7	331	8.330	8.27
7.0		19.57	1.8	328	8.320	8.32
10.0		18.02	1.9	327	8.300	7.88

C-REF-NO 104
 CONS. NO 054
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1967
 MONTH 07
 DAY 07
 TIME 1547

NO. DEPTHS 05
 SOUNDING 0161
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	6.0	19.37	1.3	324	8.410	8.88
4.0		19.27	1.4	327	8.410	8.65
7.0		19.23	1.3	326	8.430	8.66
10.0		19.18	1.2	322	8.330	8.66
13.0		18.22	1.1	327	8.350	8.51

C-REF-NO 104
 CONS. NO 055
 COUNTRY 18
 INSTITUTE 22

LAT 41-39-21N
 LON 081-31-09W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 1645

NO. DEPTHS 05
 SOUNDING 0137
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	4.0	19.52	1.3	331	8.310	8.33
4.0		19.44	1.3	331	8.290	8.23
7.0		19.37	1.4	330	8.290	8.32
10.0		19.28	1.5	331	8.280	8.33
13.0		15.51	2.2	335	7.770	5.29

C-REF-NO 104
 CONS. NO 056
 COUNTRY 18
 INSTITUTE 22

LAT 41-44-03N
 LON 081-26-51W

YEAR 1967
 MONTH 07
 DAY 07
 TIME 1736

NO. DEPTHS 05
 SOUNDING 0149
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	6.5	19.12	1.1	326	8.450	9.41
4.0		18.91	1.0	326	8.540	9.45
7.0		18.84	1.1	326	8.530	9.42
10.0		18.81	1.1	328	8.490	9.39
13.0		13.96	1.7	339	7.860	5.94

C-REF-NO 104
 CONS. NO 057
 COUNTRY 18
 INSTITUTE 22

LAT 41-44-42N
 LON 081-35-03W
 YEAR 1967
 MONTH 07
 DAY 07
 TIME 1832

NO. DEPTHS 07
 SOUNDING 0204
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	6.0	19.27	1.1	324	8.430	9.14
4.0		19.18	1.4	323	8.450	9.07
7.0		19.16	1.8	322	8.450	9.41
10.0		19.03	1.2	322	8.460	8.93
13.0		18.07	1.2	324	8.410	8.91
16.0		10.49	1.1	335	7.710	5.75
19.0		10.02	1.9	331	7.650	5.91

C-REF-NO 104
 CONS. NO 058
 COUNTRY 18
 INSTITUTE 22

LAT 41-45-03N
 LON 081-42-48W
 YEAR 1967
 MONTH 07
 DAY 07
 TIME 1945

NO. DEPTHS 07
 SOUNDING 0219
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	7.5	19.01	1.0	322	8.530	9.95
4.0		18.76	0.9	323	8.640	9.95
7.0		18.65	1.1	322	8.650	9.94
10.0		18.47	0.8	324	8.620	9.59
13.0		17.06	0.8	327	8.480	8.99
16.0		9.50	1.1	324	7.760	7.25
19.0		9.39	1.4	322	7.710	8.63

C-REF-NO 104
 CONS. NO 059
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-45N
 LON 081-49-33W
 YEAR 1967
 MONTH 07
 DAY 07
 TIME 2145

NO. DEPTHS 08
 SOUNDING 0244
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	12.0	19.96	0.6	317	8.470	9.27
4.0		19.36	0.6	316	8.600	9.33
7.0		19.21	0.5	316	8.620	9.25
10.0		19.16	0.5	316	8.610	9.28
13.0		19.06	0.7	314	8.580	8.94
16.0		18.20	0.6	314	8.520	8.88
19.0		9.77	0.9	322	7.860	7.32
22.0		9.69	1.1	322	7.770	7.34

C-REF-NO 104
 CONS. NO 060
 COUNTRY 18
 INSTITUTE 22

LAT 41-45-45N
 LON 081-58-48W
 YEAR 1967
 MONTH 07
 DAY 08
 TIME 0005

NO. DEPTHS 07
 SOUNDING 0219
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	10.0	20.23	0.9	317	8.570	9.17
4.0		20.03	1.0	317	8.570	8.94
7.0		19.48	1.1	317	8.550	8.72
10.0		19.44	1.0	317	8.520	8.89
13.0		19.32	0.9	318	8.540	8.65
16.0		10.31	0.9	327	7.940	6.92
19.0		9.78	1.4	330	7.850	6.66

C-REF-NO 104
 CONS. NO 061
 COUNTRY 18
 INSTITUTE 22

LAT 41-46-09N
 LON 082-15-09W
 YEAR 1967
 MONTH 07
 DAY 08
 TIME 0207

NO. DEPTHS 06
 SOUNDING 0183
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		20.34	1.2	312	8.430	8.55
4.0		20.32	1.2	312	8.460	8.65
7.0		20.24	1.3	312	8.470	8.55
10.0		19.95	1.2	312	8.430	8.58
13.0		19.92	1.0	310	8.340	8.30
16.0		12.43	1.0	332	7.770	4.63

C-REF-NO 104
 CONS. NO 062
 COUNTRY 18
 INSTITUTE 22

LAT 41-47-15N
 LON 082-22-12W
 YEAR 1967
 MONTH 07
 DAY 08
 TIME 0300

NO. DEPTHS 04
 SOUNDING 0134
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		20.50	1.2	309	8.450	8.55
4.0		20.46	1.3	308	8.490	8.55
7.0		20.31	1.1	304	8.480	8.32
10.0		20.19	1.4	307	8.450	8.44

C-REF-NO 104
 CONS. NO 063
 COUNTRY 18
 INSTITUTE 22

LAT 41-52-45N
 LON 082-26-09W
 YEAR 1967
 MONTH 07
 DAY 08
 TIME 0409

NO. DEPTHS 04
 SOUNDING 0125
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		20.66	2.1	298	8.660	9.41
4.0		20.57	2.1	297	8.680	9.35
7.0		19.98	1.9	298	8.640	8.86
10.0		13.06	2.0	322	7.730	3.89

C-REF-NO 104
 CONS. NO 064
 COUNTRY 18
 INSTITUTE 22

LAT 41-57-00N
 LON 082-22-03W
 YEAR 1967
 MONTH 07
 DAY 08
 TIME 0516

NO. DEPTHS 06
 SOUNDING 0174
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		20.67	1.6	299	8.530	9.22
4.0		20.63	1.9	298	8.640	9.33
7.0		20.44	1.7	300	8.630	9.31
10.0		19.62	1.5	299	8.630	8.94
13.0		11.81	1.4	329	7.730	5.16
16.0		11.81	1.3	330	7.730	5.04

C-REF-NO 104
 CONS. NO 065
 COUNTRY 18
 INSTITUTE 22

LAT 42-05-00N
 LON 082-23-33W
 YEAR 1967
 MONTH 07
 DAY 08
 TIME 0624

NO. DEPTHS 04
 SOUNDING 0119
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		20.49	1.6	301	8.790	9.95
4.0		20.46	1.6	299	8.830	10.03
7.0		20.13	1.6	298	8.790	9.91
10.0		19.50	3.5	306	8.640	8.91

C-REF-NO 104
 CONS. NO 066
 COUNTRY 18
 INSTITUTE 22

LAT 42-06-24N
 LON 082-13-03W
 YEAR 1967
 MONTH 07
 DAY 08
 TIME 0758

NO. DEPTHS 06
 SOUNDING 0186
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		20.16	0.8	310	8.630	9.33
4.0		20.12	0.8	310	8.660	9.27
7.0		20.06	0.9	312	8.630	9.22
10.0		19.72	0.8	312	8.580	8.89
13.0		19.22	0.8	313	8.480	8.55
16.0		11.63	1.0	320	7.640	4.54

C-REF-NO 104
 CONS. NO 067
 COUNTRY 18
 INSTITUTE 22

LAT 41-57-09N
 LON 082-06-42W

YEAR 1967
 MONTH 07
 DAY 08
 TIME 0946

NO. DEPTHS 07
 SOUNDING 0216
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		19.88	0.8	314	8.520	9.03
4.0		19.80	0.8	313	8.590	9.05
7.0		19.49	0.9	317	8.570	8.93
10.0		19.31	0.7	315	8.510	8.68
13.0		18.34	0.9	318	8.490	8.43
16.0		12.29	1.0	331	7.790	6.34
19.0		10.71	1.2	332	7.770	5.77

C-REF-NO 104
 CONS. NO 068
 COUNTRY 18
 INSTITUTE 22

LAT 42-06-12N
 LON 081-57-06W

YEAR 1967
 MONTH 07
 DAY 08
 TIME 1201

NO. DEPTHS 06
 SOUNDING 0196
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		19.95	0.9	310	8.610	9.11
4.0		19.92	1.0	310	8.640	9.05
7.0		19.91	0.9	310	8.630	9.19
10.0		19.89	1.0	310	8.630	9.02
13.0		19.80	0.9	309	8.570	8.26
16.0		14.49	0.9	311	8.080	6.45

C-REF-NO 104
 CONS. NO 069
 COUNTRY 18
 INSTITUTE 22

LAT 42-13-03N
 LON 082-03-18W

YEAR 1967
 MONTH 07
 DAY 08
 TIME 1316

NO. DEPTHS 05
 SOUNDING 0161
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		20.38	1.4	308	8.770	9.91
4.0		20.36	1.3	307	8.780	9.95
7.0		19.40	1.4	307	8.780	10.00
10.0		16.41	2.5	312	8.190	7.57
13.0		13.73	2.4	314	7.800	5.58

C-REF-NO 104
 CONS. NO 070
 COUNTRY 18
 INSTITUTE 22

LAT 42-11-24N
 LON 081-52-48W
 YEAR 1967
 MONTH 07
 DAY 08
 TIME 1424

NO. DEPTHS 06
 SOUNDING 0182
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		20.46	1.2	310	8.630	9.08
4.0		20.35	0.8	306	8.650	8.96
7.0		20.25	0.9	307	8.650	9.00
10.0		20.07	0.6	306	8.630	8.75
13.0		17.35	0.9	308	8.410	7.71
16.0		12.22	1.0	316	7.730	4.51

C-REF-NO 104
 CONS. NO 071
 COUNTRY 18
 INSTITUTE 22

LAT 42-05-45N
 LON 081-40-27W
 YEAR 1967
 MONTH 07
 DAY 08
 TIME 1615

NO. DEPTHS 08
 SOUNDING 0244
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		20.31	0.6	311	8.580	9.27
4.0		20.05	0.7	308	8.680	9.25
7.0		19.90	0.8	307	8.680	9.11
10.0		19.33	1.0	307	8.600	8.93
13.0		18.57	1.0	306	8.620	8.47
16.0		17.28	1.1	308	8.290	7.40
19.0		10.87	0.7	326	7.810	6.38
22.0		10.56	1.0	326	7.730	5.89

C-REF-NO 104
 CONS. NO 072
 COUNTRY 18
 INSTITUTE 22

LAT 42-15-27N
 LON 081-30-51W
 YEAR 1967
 MONTH 07
 DAY 08
 TIME 1811

NO. DEPTHS 08
 SOUNDING 0235
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	6.0	21.06	0.9	308	8.620	9.87
4.0		20.39	1.0	307	8.800	10.22
7.0		20.15	1.0	307	8.780	10.08
10.0		18.55	1.1	308	8.610	8.97
13.0		11.81	1.2	320	7.740	5.86
16.0		10.98	1.0	318	7.730	5.96
19.0		10.71	1.0	320	7.740	6.45
22.0		10.11	1.3	326	7.770	6.45

C-REF-NO 104
 CONS. NO 073
 COUNTRY 18
 INSTITUTE 22

LAT 42-16-42N
 LON 081-48-33W

YEAR 1967
 MONTH 07
 DAY 08
 TIME 2005

NO. DEPTHS 05
 SOUNDING 0158
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	5.5	21.44	1.4	305	8.720	9.72
4.0		20.05	1.5	304	8.820	10.23
7.0		18.07	1.7	306	8.640	8.94
10.0		11.36	1.5	318	7.680	5.05
13.0		11.30	2.0	317	7.690	4.76

C-REF-NO 104
 CONS. NO 074
 COUNTRY 18
 INSTITUTE 22

LAT 42-21-39N
 LON 081-47-15W

YEAR 1967
 MONTH 07
 DAY 08
 TIME 2051

NO. DEPTHS 04
 SOUNDING 0134
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	6.5	21.28	1.3	306	8.610	9.61
4.0		20.46	1.4	305	8.670	9.63
7.0		19.48	1.6	305	8.720	9.80
10.0		16.32	2.7	313	8.240	7.12

C-REF-NO 104
 CONS. NO 075
 COUNTRY 18
 INSTITUTE 22

LAT 42-26-18N
 LON 081-38-57W

YEAR 1967
 MONTH 07
 DAY 08
 TIME 2155

NO. DEPTHS 04
 SOUNDING 0131
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	6.0	20.78	2.0	305	8.670	9.52
4.0		19.94	1.9	305	8.740	9.80
7.0		18.22	2.1	305	8.640	9.50
10.0		14.47	2.7	305	8.020	6.08

C-REF-NO 104
 CONS. NO 076
 COUNTRY 18
 INSTITUTE 22

LAT 42-33-21N
 LON 081-28-21W

YEAR 1967
 MONTH 07
 DAY 08
 TIME 2311

NO. DEPTHS 04
 SOUNDING 0131
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	5.0	21.78	1.8	305	8.690	9.81
4.0		19.49	2.0	305	8.740	9.97
7.0		17.98	2.1	313	8.440	8.51
10.0		12.51	4.5	324	7.860	4.98

C-REF-NO 104
 CONS. NO 077
 COUNTRY 18
 INSTITUTE 22

LAT 42-25-36N
 LON 081-23-18W
 YEAR 1967
 MONTH 07
 DAY 09
 TIME 0020

NO. DEPTHS 07
 SOUNDING 0214
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0	7.0	20.97	1.0	307	8.740	9.38
4.0		20.94	0.8	307	8.770	9.49
7.0		20.13	1.0	307	8.740	9.30
10.0		19.43	0.9	310	8.670	9.02
13.0		19.04	1.0	310	8.580	8.71
16.0		10.26	0.9	319	7.840	6.76
19.0		10.25	0.8	319	7.790	6.45

C-REF-NO 104
 CONS. NO 078
 COUNTRY 18
 INSTITUTE 22

LAT 42-14-48N
 LON 081-16-27W
 YEAR 1967
 MONTH 07
 DAY 09
 TIME 0154

NO. DEPTHS 08
 SOUNDING 0229
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		21.56	0.2	310	8.580	8.80
4.0		20.47	0.3	311	8.640	9.10
7.0		19.69	0.4	311	8.640	8.94
10.0		19.41	0.4	311	8.640	8.71
13.0		18.83	0.4	311	8.580	8.65
16.0		18.50	0.3	311	8.550	8.32
19.0		9.64	0.5	315	7.690	6.45
22.0		9.57	0.7	316	7.720	6.33

C-REF-NO 104
 CONS. NO 079
 COUNTRY 18
 INSTITUTE 22

LAT 42-04-00N
 LON 081-08-39W
 YEAR 1967
 MONTH 07
 DAY 09
 TIME 0340

NO. DEPTHS 08
 SOUNDING 0232
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		19.83	0.4	317	8.630	9.38
4.0		19.51	0.4	317	8.650	9.52
7.0		18.99	0.4	318	8.680	9.42
10.0		18.91	0.4	317	8.680	9.72
13.0		18.52	0.1	319	8.560	9.53
16.0		14.94	0.2	324	8.160	8.40
19.0		9.27	0.6	320	7.810	7.51
22.0		9.19	0.6	320	7.810	7.39

C-REF-NO 104
 CONS. NO 080
 COUNTRY 18
 INSTITUTE 22

LAT 42-02-45N
 LON 081-24-42W
 YEAR 1967
 MONTH 07
 DAY 09
 TIME 0534

NO. DEPTHS 08
 SOUNDING 0238
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		20.19	0.4	316	8.490	9.45
4.0		20.10	0.3	316	8.640	9.49
7.0		19.57	0.4	314	8.640	9.44
10.0		19.21	0.4	313	8.640	9.38
13.0		18.91	0.3	313	8.620	9.07
16.0		16.87	0.4	315	8.540	8.82
19.0		9.40	0.6	317	7.850	7.50
22.0		9.32	0.7	318	7.790	7.15

C-REF-NO 104
 CONS. NO 081
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-21N
 LON 081-33-06W
 YEAR 1967
 MONTH 07
 DAY 09
 TIME 0725

NO. DEPTHS 08
 SOUNDING 0238
 BT SLIDE NO 005

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		19.60	0.6	325	8.710	10.26
4.0		19.51	0.5	328	8.690	9.83
7.0		19.08	0.5	326	8.670	9.87
10.0		18.59	0.5	325	8.680	9.72
13.0		18.31	0.5	325	8.580	9.33
16.0		15.51	0.5	332	8.320	8.47
19.0		9.41	0.6	319	7.820	7.88
22.0		9.30	0.8	322	7.800	7.65

C-REF-NO 104
 CONS. NO 082
 COUNTRY 18
 INSTITUTE 22

LAT 41-48-51N
 LON 081-22-09W
 YEAR 1967
 MONTH 07
 DAY 09
 TIME 0923

NO. DEPTHS 06
 SOUNDING 0192
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W
1.0		20.18	0.9	335	8.480	9.41
4.0		19.83	0.8	337	8.580	9.41
7.0		19.04	0.7	329	8.630	9.72
10.0		18.44	0.8	330	8.580	9.38
13.0		16.88	0.6	336	8.410	8.72
16.0		10.31	1.4	336	7.730	6.17

CRUISE 67 - 105

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

LAT 42-49-06N
 LON 079-10-27W

YEAR 1967
 MONTH 07
 DAY 10
 TIME 1628

NO. DEPTHS 06
 SOUNDING 0198
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R PO4
1.0	11.0	20.24	0.6	325	8.470		9.47	
4.0		19.54	0.8	323	8.520		9.58	
7.0		18.14	0.7	324	8.480		9.47	
10.0		17.87	0.6	324	8.450		8.39	
13.0		17.11	0.6	323	8.340		8.70	
16.0		15.94	0.6	325	8.160		8.00	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	000E00		000E00	500E00	500E00
4.0	0.005					
7.0	0.000	300E00		000E00		
10.0	0.000					
13.0	0.003					
16.0	0.007	000E00		000E00	310E01	310E01

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

LAT 42-48-27N
 LON 079-02-30W

YEAR 1967
 MONTH 07
 DAY 10
 TIME 1727

NO. DEPTHS 06
 SOUNDING 0180
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R PO4
1.0	9.0	20.13	0.4	321	8.530		9.63	
4.0		19.00	0.5	320	8.550		9.74	
7.0		18.22	0.5	318	8.530		9.78	
10.0		18.00	0.5	319	8.530		9.55	
13.0		17.61	0.4	321	8.400		9.01	
16.0		15.47	0.6	323	8.170		8.00	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.003	000E00		000E00	110E01	100E01
4.0	0.000					
7.0	0.000	000E00		000E00		
10.0	0.000					
13.0	0.001					
16.0	0.010	000E00		000E00	300E02	200E01

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

LAT 42-49-09N
LON 078-55-03W

YEAR 1967
MONTH 07
DAY 10
TIME 1825

NO. DEPTHS 04
SOUNDING 0119
BT SLIDE NO 001

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	9.5	20.02	0.4	320	8.520		9.72	0.004
4.0		18.83	1.2	321	8.510		9.60	0.005
7.0		18.59	0.5	320	8.510		9.61	0.004
10.0		18.05	0.5	318	8.350		8.68	0.004

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	000E00		000E00	240E01	250E01
4.0	0.001					
7.0	0.003	100E00				
10.0	0.004	400E00		000E00	200E02	210E01

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	192.0	92.7	26.9	39.600	8.200	1.300	12.000
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	0.010	0.044	0.004	0.003	0.010
4.0								
7.0								
10.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.001	0.150	0.010	5	26.1	132.7	0.7
4.0							0.6
7.0							0.5
10.0							0.5

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

LAT 42-44-09N
 LON 078-59-09W

YEAR 1967
 MONTH 07
 DAY 10
 TIME 1952

NO. DEPTHS 04
 SOUNDING 0131
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	9.5	20.75	0.3	317	8.530		9.50	
4.0		19.56	0.4	317	8.520		9.38	
7.0		18.88	0.4	319	8.480		9.19	
10.0		18.35	0.5	318	8.440		9.01	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	000E00		000E00	200E01	170E01
4.0	0.002					
7.0	0.004	000E00				
10.0	0.005	200E00		000E00	400E01	420E01

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

LAT 42-43-42N
 LON 079-07-18W

YEAR 1967
 MONTH 07
 DAY 10
 TIME 2047

NO. DEPTHS 06
 SCUNDING 0189
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	9.0	19.56	0.3	319	8.590		9.94	0.008
4.0		18.86	0.4	320	8.540		9.69	0.005
7.0		18.29	0.4	318	8.580		9.66	0.005
10.0		17.76	0.4	318	8.510		9.12	0.004
13.0		17.31	0.5	320	8.410		8.91	0.004
16.0		16.52	0.6	322	8.300		8.36	0.006

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	340E02		000E00	150E02	110E02
4.0	0.000					
7.0	0.000	800E00				
10.0	0.000					
13.0	0.013					
16.0	0.021	200E00		000E00	150E02	230E01

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

LAT 42-39-45N
 LON 079-06-06W

YEAR 1967
 MONTH 07
 DAY 10
 TIME 2133

NO. DEPTHS 05
 SOUNDING 0165
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PD4
1.0	9.0	20.29	0.4	319	8.580		9.81	0.004
4.0		19.54	0.4	319	8.580		9.74	0.005
7.0		18.57	0.5	320	8.550		9.55	0.000
10.0		18.16	0.3	320	8.520		9.26	0.004
13.0		17.80	0.4	322	8.440		9.15	0.003

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	200E00		000E00	600E01	620E01
4.0	0.000					
7.0	0.000	000E00				
10.0	0.000					
13.0	0.000	000E00		000E00	300E02	870E01

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

LAT 42-38-45N
 LON 079-12-00W

YEAR 1967
 MONTH 07
 DAY 10
 TIME 2219

NO. DEPTHS 07
 SOUNDING 0219
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PD4
1.0	11.0	19.63	0.4	320	8.620		9.68	0.005
4.0		19.50	0.3	320	8.630		9.64	0.005
7.0		19.22	0.4	321	8.630		9.72	0.004
10.0		18.64	0.5	320	8.580		9.47	0.004
13.0		17.74	0.2	324	8.520		9.05	0.004
16.0		15.96	0.4	320	8.390		8.95	0.004
19.0		14.14	0.5	324	8.130		8.67	0.003

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	000E00		000E00	300E01	250E01
4.0	0.000					
7.0	0.000	000E00				
10.0	0.000					
13.0	0.000					
16.0	0.000					
19.0	0.009	000E00		000E00	200E02	700E01

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

LAT 42-33-18N
 LON 079-14-12W

YEAR 1967
 MONTH 07
 DAY 10
 TIME 2312

NO. DEPTHS 06
 SOUNDING 0180
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PD4
1.0	9.0	19.92	0.4	320	8.470		9.16	0.005
4.0		19.94	0.3	320	8.500		9.16	0.003
7.0		19.91	0.3	320	8.500		9.12	0.003
10.0		18.93	0.4	321	8.500		9.24	0.005
13.0		18.73	0.5	322	8.480		9.16	0.004
16.0		17.24	1.0	320	8.330		7.81	0.007

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	000E00		000E00	400E01	300E01
4.0	0.000					
7.0	0.000	000E00				
10.0	0.000					
13.0	0.002					
16.0	0.017	000E00		000E00	800E02	120E01

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

LAT 42-31-12N
 LON 079-21-54W

YEAR 1967
 MONTH 07
 DAY 11
 TIME 0011

NO. DEPTHS 06
 SOUNDING 0192
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PD4
1.0		20.03	0.8	319	8.510		9.38	0.006
4.0		19.95	0.9	319	8.510		9.43	0.004
7.0		18.95	0.8	315	8.490		9.16	0.006
10.0		18.72	0.9	318	8.520		9.12	0.005
13.0		18.64	0.7	318	8.490		9.01	0.004
16.0		13.37	1.3	320	8.090		7.86	0.026

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	000E00		000E00	270E01	240E01
4.0	0.002					
7.0	0.002	100E00				
10.0	0.001					
13.0	0.002					
16.0	0.034	000E00		000E00	600E02	150E02

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

LAT 42-29-30N
 LON 079-29-12W

YEAR 1967
 MONTH 07
 DAY 11
 TIME 0109

NO. DEPTHS 11
 SOUNDING 0338
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP. CON.	PH 25	TC	ALK	O2 W	R PO4
1.0		20.27	1.1	313	8.520			9.78	0.010
4.0		20.16	1.0	314	8.550			9.75	0.009
7.0		19.26	0.9	315	8.500			9.44	0.008
10.0		18.14	1.2	321	8.460			9.10	0.008
13.0		15.78	1.0	324	8.300			8.67	0.006
16.0		11.95	1.1	325	8.180			9.57	0.006
19.0		8.51	1.1	326	8.090			10.44	0.005
22.0		7.28	1.3	326	8.030			10.84	0.005
25.0		5.82	1.2	326	7.930			10.58	0.005
28.0		5.53	2.1	326	7.370			10.14	0.008
31.0		5.27	1.8	325	7.740			10.09	0.020

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.003	000E00		000E00	160E01	180E01
4.0	0.003					
7.0	0.003	000E00				
10.0	0.002					
13.0	0.003					
16.0	0.010					
19.0	0.034					
22.0	0.044	000E00				
25.0	0.062					
28.0	0.066					
31.0	0.068	000E00		000E00	380E01	250E01

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

LAT 42-34-33N
 LON 079-24-30W

YEAR 1967
 MONTH 07
 DAY 11
 TIME 0215

NO. DEPTHS 10
 SOUNDING 0314
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP. CON.	PH 25	TC	ALK	O2 W	R PO4
1.0		19.88	0.9	317	8.400			9.32	0.010
4.0		19.54	0.8	318	8.480			9.24	0.013
7.0		18.86	0.9	319	8.450			9.27	0.012
10.0		18.62	0.8	318	8.440			8.99	0.012
13.0		14.76	0.7	319	8.380			9.09	0.008
16.0		13.76	0.9	323	8.230			9.43	0.007
19.0		11.55	0.7	323	8.160			9.55	0.007
22.0		9.03	0.8	324	8.060			10.19	0.005
25.0		7.84	1.0	328	7.940			9.89	0.007
28.0		5.94	1.2	331	7.830			9.19	0.008

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	000E00		000E00	350E01	360E01
4.0	0.002					
7.0	0.004	000E00				
10.0	0.003					
13.0	0.002					
16.0	0.010					
19.0	0.015					
22.0	0.045	000E00				
25.0	0.047					
28.0	0.060	200E00		000E00	160E02	650E01

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

LAT	42-39-54N
LON	079-28-15W

YEAR	1967
MONTH	07
DAY	11
TIME	0323

NO. DEPTHS	09
SOUNDING	0277
BT SLIDE NO	

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0		20.49	0.5	325	8.590		9.26	0.008
4.0		20.11	0.3	325	8.570		9.40	0.010
7.0		19.06	0.5	322	8.580		9.44	0.013
10.0		18.75	0.4	319	8.540		9.24	0.012
13.0		18.15	0.2	322	8.460		8.98	0.011
16.0		17.05	0.4	323	8.410		8.79	0.010
19.0		14.37	0.6	328	8.160		9.09	0.006
22.0		8.22	1.0	315	8.080		9.24	0.009
25.0		7.15	2.6	331	7.830		8.70	0.018

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	100E00		000E00	360E01	700E01
4.0	0.002					
7.0	0.003	500E01				
10.0	0.003					
13.0	0.002					
16.0	0.003					
19.0	0.010					
22.0	0.044	200E01				
25.0	0.058	800E00		000E00	250E02	750E01

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

LAT 42-43-33N
 LON 079-20-03W

YEAR 1967
 MONTH 07
 DAY 11
 TIME 0435

NO. DEPTHS 09
 SOUNDING 0262
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		19.45	0.4	324	8.560		9.89	0.014
4.0		19.41	0.5	324	8.590		9.89	0.015
7.0		18.52	0.4	324	8.600		9.86	0.010
10.0		17.93	0.4	322	8.590		9.21	0.013
13.0		17.01	0.5	322	8.590		8.88	0.013
16.0		12.30	0.5	326	7.940		7.67	0.014
19.0		10.83	0.4	327	7.910		8.59	0.010
22.0		9.45	0.6	327	7.870		8.53	0.010
25.0		8.97	0.7	330	7.810		7.78	0.014

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	700E00		000E00	500E01	500E01
4.0	0.005					
7.0	0.002	000E00				
10.0	0.002					
13.0	0.002					
16.0	0.027					
19.0	0.031					
22.0	0.036	000E00				
25.0	0.039	100E00		000E00	180E02	600E01

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

LAT 42-49-36N
 LON 079-18-57W

YEAR 1967
 MONTH 07
 DAY 11
 TIME 0538

NO. DEPTHS 05
 SOUNDING 0155
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.17	0.3	328	8.580		9.72	0.016
4.0		18.78	0.2	321	8.580		9.69	0.018
7.0		18.19	0.2	322	8.460		8.95	0.017
10.0		18.76	0.2	322	8.510		9.21	0.018
13.0		18.22	0.2	323	8.430		8.95	0.017

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	000E00		000E00	400E01	250E01
4.0	0.002					
7.0	0.002	000E00				
10.0	0.003					
13.0	0.002	400E00		000E00	250E01	200E01

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

LAT 42-50-21N
LON 079-25-48W

YEAR 1967
MONTH 07
DAY 11
TIME 0636

NO. DEPTHS 04
SCUNDING 0137
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		21.05	0.3	322	8.590		9.33	0.011
4.0		19.21	0.5	325	8.520		9.49	0.010
7.0		17.91	0.6	329	8.460		9.01	0.009
10.0		17.05	0.5	329	8.380		8.67	0.008

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	600E00	000E00	000E00	300E01	200E01
4.0	0.001					
7.0	0.001	000E00				
10.0	0.001	000E00	000E00	000E00	300E01	250E01

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

LAT 42-47-51N
LON 079-29-15W

YEAR 1967
MONTH 07
DAY 11
TIME 0721

NO. DEPTHS 07
SCUNDING 0210
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		21.09	0.3	323	8.580		9.38	0.010
4.0		19.22	0.3	322	8.580		9.60	0.010
7.0		18.47	0.3	322	8.570		9.60	0.009
10.0		18.11	0.3	322	8.530		9.32	0.010
13.0		17.22	0.3	321	8.450		9.01	0.010
16.0		11.73	0.4	331	7.990		7.98	0.010
19.0		10.62	0.7	336	7.900		7.36	0.010

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		000E00	000E00	000E00	500E01	300E01
4.0						
7.0		000E00				
10.0						
13.0						
16.0						
19.0		000E00	000E00	000E00	600E01	400E01

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

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

YEAR 1967
 MONTH 07
 DAY 11
 TIME 0802

NO. DEPTHS 06
 SCUNDING 0189
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0		20.22	0.2	323	8.470		9.46	0.014
4.0		19.43	0.3	322	8.510		9.46	0.008
7.0		19.07	0.3	322	8.550		9.46	0.006
10.0		18.40	0.2	320	8.480		9.13	0.009
13.0		16.07	0.3	323	8.390		9.05	0.013
16.0		14.37	0.3	323	8.240		9.12	0.010

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		200E00		000E00	400E01	350E01
4.0						
7.0		100E00				
10.0						
13.0						
16.0		000E00		000E00	250E02	110E02

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

LAT 42-48-00N
 LON 079-33-24W

YEAR 1967
 MONTH 07
 DAY 11
 TIME 0843

NO. DEPTHS 06
 SCUNDING 0192
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0		19.65	0.4	322	8.490		9.47	0.008
4.0		19.03	0.4	319	8.530		9.44	0.008
7.0		19.35	0.4	324	8.360		9.30	0.006
10.0		18.63	0.5	321	8.420		9.26	0.010
13.0		17.80	0.4	322	8.260		9.18	0.004
16.0		16.33	0.4	324	8.170		8.91	0.005

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		100E00		000E00	250E02	600E01
4.0						
7.0		000E00				
10.0						
13.0						
16.0		100E00		000E00	700E01	500E01

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

LAT 42-50-12N
LON 079-34-54W

YEAR 1967
MONTH 07
DAY 11
TIME 0924

NO. DEPTHS 04
SOUNDING 0131
BT SLIDE NO 002

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PD4
1.0		22.23	1.6	371	8.240		8.93	
4.0		19.36	0.7	326	8.460		9.75	0.015
7.0		17.99	0.5	322	8.450		9.52	0.008
10.0		17.51	0.7	322	8.390		9.21	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0						
4.0						
7.0						
10.0						

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	188.0	94.7	27.4	39.600	7.600	1.300	12.400
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	0.002	0.077	0.004	0.004	0.005
4.0								
7.0								
10.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.003	0.170	0.014	5	26.0	130.2	
4.0							
7.0							
10.0							

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

LAT 42-48-09N
 LON 079-37-18W

YEAR 1967
 MONTH 07
 DAY 11
 TIME 1025

NO. DEPTHS 06
 SOUNDING 0189
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	10.0	20.80	0.6	321	8.540		9.63	0.013
4.0		19.40	0.7	321	8.550		9.77	0.009
7.0		18.18	0.0	322	8.510		9.47	
10.0		16.65	0.8	322	8.400		8.85	0.010
13.0		14.61	1.0	327	8.100		7.66	0.007
16.0		11.93	1.7	328	7.960		7.45	0.008

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		000E00	000E00	000E00	250E02	200E02
4.0						
7.0		000E00				
10.0						
13.0						
16.0		400E00	000E00	000E00	200E02	150E02

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

LAT 42-48-03N
 LON 079-41-15W

YEAR 1967
 MONTH 07
 DAY 11
 TIME 1107

NO. DEPTHS 06
 SOUNDING 0174
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	7.0	20.78	0.9	330	8.490		9.50	0.017
4.0		18.47	0.8	331	8.550		9.86	0.010
7.0		17.98	1.0	325	8.520		9.68	0.006
10.0		17.53	0.8	324	8.460		9.12	0.009
13.0		15.10	0.9	324	8.160		7.95	0.009
16.0		14.19	1.8	326	8.060		7.53	0.015

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		000E00	000E00	000E00	350E02	300E02
4.0						
7.0		000E00				
10.0						
13.0						
16.0		000E00	000E00	000E00	600E02	300E02

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

LAT 42-44-57N
 LON 079-40-27W

YEAR 1967
 MONTH 07
 DAY 11
 TIME 1147

NO. DEPTHS 08
 SOUNDING 0256
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	10.0	19.74	0.6	324	8.540		9.63	0.006
4.0		18.70	0.7	323	8.510		9.81	0.010
7.0		18.09	0.6	324	8.460		9.71	0.007
10.0		16.26	0.6	325	8.350		9.04	0.007
13.0		9.28	1.0	332	7.930		8.54	0.008
16.0		8.49	1.1	330	7.860		8.11	0.008
19.0		8.39	1.2	332	7.860		7.97	0.009
22.0		8.25	1.9	333	7.840		7.92	0.013

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		300E00		000E00	150E02	100E02
4.0						
7.0		200E00				
10.0						
13.0						
16.0						
19.0						
22.0		100E00		000E00	150E02	120E02

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

LAT 42-45-36N
 LON 079-35-36W

YEAR 1967
 MONTH 07
 DAY 11
 TIME 1246

NO. DEPTHS 08
 SOUNDING 0250
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	7.0	20.42	0.8	320	8.500		9.52	0.007
4.0		19.11	0.8	321	8.510		9.81	0.005
7.0		17.94	0.7	322	8.500		9.75	0.005
10.0		17.31	0.7	323	8.440		9.36	0.005
13.0		15.55	0.6	328	8.330		8.93	0.007
16.0		8.85	0.7	333	7.860		8.01	0.019
19.0		8.49	0.8	331	7.830		7.92	0.017
22.0		8.36	1.5	333	7.830		7.84	0.005

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	000E00		000E00	170E02	500E01
4.0	0.000					
7.0	0.000	200E00				
10.0	0.000					
13.0	0.000					
16.0	0.024					
19.0	0.022					
22.0	0.020	000E00		000E00	300E02	130E02

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

LAT 42-51-30N
LON 079-34-36W

YEAR 1967
MONTH 07
DAY 11
TIME 1339

NO. DEPTHS 03
SOUNDING 0079
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	0.3	23.28	24.0	532	8.020		7.73	
4.0		21.99	27.0	506	7.870		6.55	
7.0		18.31	23.0	408	8.060		7.53	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.107					
4.0	0.097					
7.0	0.082					

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	331.0	181.0	63.9	70.500	15.600	2.400	10.600
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	0.012	1.200	0.010	0.008	0.085
4.0								
7.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.006	0.460	0.053	5	17.0	240.3	
4.0							
7.0							

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

LAT 42-40-09N
 LON 079-36-30W

YEAR 1967
 MONTH 07
 DAY 11
 TIME 1532

NO. DEPTHS 10
 SOUNDING 0302
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	10.0	20.06	0.6	326	8.610		9.40	0.004
4.0		19.48	0.5	326	8.610		9.49	0.005
7.0		18.86	0.5	327	8.590		9.40	0.005
10.0		18.13	0.6	328	8.530		9.01	0.005
13.0		17.32	0.5	328	8.480		8.87	0.004
16.0		10.97	1.0	309	8.210		9.24	0.005
19.0		6.88	1.1	327	8.050		9.69	0.010
22.0		6.69	1.8	332	7.980		9.54	0.011
25.0		6.72	2.2	330	7.930		6.47	0.010
28.0		6.64	3.0	332	7.930		9.55	0.009

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	000E00		000E00	480E01	300E01
4.0	0.000					
7.0	0.000	200E00				
10.0	0.000					
13.0	0.000					
16.0	0.025					
19.0	0.045					
22.0	0.042	200E00				
25.0	0.043					
28.0	0.046	100E00		000E00	500E01	250E01

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

LAT 42-40-18N
 LON 079-44-24W

YEAR 1967
 MONTH 07
 DAY 11
 TIME 1904

NO. DEPTHS 11
 SOUNDING 0347
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	10.0	20.79	0.3	320	8.590		9.43	0.005
4.0		20.77	0.4	323	8.640		9.41	0.007
7.0		19.06	0.5	321	8.630		9.49	0.005
10.0		18.14	0.3	324	8.580		9.22	0.004
13.0		15.92	0.5	327	8.430		9.01	0.004
16.0		9.56	0.7	330	8.150		9.68	0.004
19.0		7.28	1.0	329	8.030		9.99	0.007
22.0		6.50	2.1	334	7.980		9.97	0.009
25.0		6.26	2.6	334	7.950		9.95	0.020
28.0		6.16	3.3	332	7.940		9.95	0.020
31.0		6.17	3.8	333	7.930		9.89	0.014

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	300E00		000E00	200E02	200E02
4.0	0.000					
7.0	0.000	100E00				
10.0	0.000					
13.0	0.002					
16.0	0.024					
19.0	0.036					
22.0	0.045	100E00				
25.0	0.051					
28.0	0.048					
31.0	0.056	000E00		000E00	100E02	100E02

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

LAT 42-46-18N
 LON 079-47-48W

YEAR 1967
 MONTH 07
 DAY 11
 TIME 2002

NO. DEPTHS 06
 SOUNDING 0196
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	7.0	21.01	0.8	327	8.580		9.54	0.010
4.0		20.92	0.7	323	8.600		9.49	0.009
7.0		18.24	0.5	327	8.620		9.85	0.014
10.0		17.21	0.6	328	8.440		9.91	0.008
13.0		15.83	1.3	329	8.100		8.23	0.025
16.0		13.24	1.1	331	8.050		7.55	0.013

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.013	600E00		000E00	100E02	850E01
4.0	0.010					
7.0	0.001	600E00				
10.0	0.000					
13.0	0.016					
16.0	0.020	100E00		000E00	430E02	300E02

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

LAT 42-41-24N
 LON 079-52-12W

YEAR 1967
 MONTH 07
 DAY 11
 TIME 2107

NO. DEPTHS 11
 SOUNDING 0341
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	9.5	20.49	0.7	324	8.590		9.75	0.010
4.0		20.44	0.5	322	8.630		9.64	0.009
7.0		18.97	0.7	322	8.580		9.60	0.010
10.0		17.27	0.7	324	8.460		9.18	0.005
13.0		13.05	0.8	327	8.240		9.26	0.005
16.0		6.76	1.3	329	8.070		9.95	0.007
19.0		6.00	1.7	332	7.990		10.13	0.013
22.0		5.73	2.5	331	7.940		9.95	0.020
25.0		5.76	3.2	333	7.950		9.99	0.023
28.0		5.65	2.9	334	7.950		9.95	0.026
31.0		5.71	3.9	331	7.920		9.91	0.034

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	000E00		200E00	180E02	170E02
4.0	0.000					
7.0	0.000	000E00				
10.0	0.000					
13.0	0.008					
16.0	0.032					
19.0	0.054					
22.0	0.055	100E00				
25.0	0.056					
28.0	0.061					
31.0	0.062	000E00		000E00	230E02	600E01

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

LAT 42-46-15N
 LON 079-55-57W

YEAR 1967
 MONTH 07
 DAY 11
 TIME 2202

NO. DEPTHS 04
 SOUNDING 0137
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	7.5	20.39	0.7	330	8.560		9.71	0.005
4.0		20.13	0.5	325	8.580		9.72	0.007
7.0		18.64	0.7	331	8.390		10.16	0.007
10.0		17.20	1.0	334	8.450		9.36	0.008

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.003	200E00		100E00	154E02	500E01
4.0	0.003					
7.0	0.008	100E00				
10.0	0.017	100E00		000E00	220E02	200E02

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

LAT 42-41-51N
 LON 080-00-33W

YEAR 1967
 MONTH 07
 DAY 11
 TIME 2255

NO. DEPTHS 08
 SOUNDING 0244
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	7.5	20.25	0.6	323	8.630		9.89	0.009
4.0		20.19	0.6	324	8.660		9.95	0.005
7.0		18.33	0.5	326	8.600		9.63	0.005
10.0		17.49	0.5	326	8.510		9.16	0.007
13.0		13.58	0.7	326	8.210		8.70	0.010
16.0		9.25	1.0	332	7.910		8.20	0.026
19.0		8.11	2.0	335	7.860		8.17	0.033
22.0		7.02	4.0	333	7.850		8.31	0.047

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	000E00		000E00	200E02	160E02
4.0	0.000					
7.0	0.000	300E00				
10.0	0.000					
13.0	0.004					
16.0	0.024					
19.0	0.025					
22.0	0.034	000E00		000E00	720E01	400E01

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

LAT 42-46-27N
 LON 080-03-48W

YEAR 1967
 MONTH 07
 DAY 11
 TIME 2342

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	7.5	20.79	1.0	321	8.560		9.78	0.019
4.0		19.02	0.8	326	8.520		9.47	0.019
7.0		17.14	0.9	328	8.420		9.29	0.015
10.0		16.33	1.2	330	8.370		9.04	0.016

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002					
4.0	0.001					
7.0	0.000					
10.0	0.002					

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

LAT 42-42-57N
 LON 080-10-09W

YEAR 1967
 MONTH 07
 DAY 12
 TIME 0042

NO. DEPTHS 04
 SOUNDING 0113
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R PD4
1.0	7.5	19.96	1.0	324	8.640		9.78	0.014
4.0		19.98	0.8	323	8.590		9.78	0.017
7.0		17.81	0.7	323	8.580		9.91	0.007
10.0		14.24	1.1	329	8.270		8.65	0.007

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	160E01	000E00	000E00	600E01	400E01
4.0	0.003					
7.0	0.000	100E00				
10.0	0.007	000E00	000E00	000E00	180E02	400E01

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

LAT 42-37-27N
 LON 080-13-03W

YEAR 1967
 MONTH 07
 DAY 12
 TIME 0141

NO. DEPTHS 03
 SOUNDING 0094
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R PD4
1.0		20.07	0.6	320	8.560		9.40	0.006
4.0		20.04	0.4	318	8.550		9.33	0.007
7.0		16.80	0.8	321	8.480		9.24	0.007

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	000E00		000E00	900E01	400E01
4.0	0.001					
7.0	0.002	300E00		000E00	220E01	600E01

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

LAT 42-38-15N
LON 080-09-33W

YEAR 1967
MONTH 07
DAY 12
TIME 0251

NO. DEPTHS 11
SCUNDING 0323
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0		19.69	1.6	318	8.480		9.33	0.006
4.0		19.68	1.1	319	8.480		9.29	0.006
7.0		18.79	0.9	321	8.500		9.32	0.006
10.0		16.06	1.1	321	8.400		9.16	0.005
13.0		11.96	0.9	322	8.120		9.02	0.005
16.0		9.08	2.2	331	7.940		8.37	0.010
19.0		7.91	2.6	331	7.900		8.39	0.013
22.0		7.41	2.6	334	7.900		8.79	0.013
25.0		7.02	3.3	334	7.880		8.62	0.009
28.0		6.36	5.1	335	7.890		9.13	
31.0		6.04	3.4	338	7.880		9.18	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.003	000E00		000E00	320E02	120E02
4.0	0.003					
7.0	0.001	000E00				
10.0	0.001					
13.0	0.010					
16.0	0.022					
19.0	0.025					
22.0	0.034	100E00				
25.0	0.029					
28.0						
31.0		500E00		000E00	120E02	140E02

C-REF-NO 105
CONS. NO 035

COUNTRY 18
INSTITUTE 22

LAT 42-37-45N
LON 079-56-18W

YEAR 1967
MONTH 07
DAY 12
TIME 0404

NO. DEPTHS 12
SCUNDING 0433
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		20.17	0.9	321	8.570		9.55	0.007
4.0		20.09	0.8	321	8.570		9.57	0.007
7.0		18.60	1.1	324	8.500		9.40	0.006
10.0		17.75	1.0	324	8.420		9.16	0.006
13.0		13.82	0.6	324	8.030		8.71	0.006
16.0		7.34	1.1	326	7.980		9.97	0.006
19.0		6.59	1.1	328	7.960		10.09	0.006
22.0		6.28	1.5	328	7.940		10.09	0.008
25.0		5.84	1.8	327	7.920		10.25	0.008
28.0		5.47	1.8	326	7.950		10.36	
31.0		5.49	1.6	327	7.950		10.36	0.009
37.0		5.42	2.0	329	7.930		10.30	0.033

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	200E00		000E00	180E02	800E01
4.0	0.000					
7.0	0.000	100E00				
10.0	0.001					
13.0	0.007					
16.0	0.042					
19.0	0.048					
22.0	0.051	000E00				
25.0	0.054					
28.0						
31.0	0.052					
37.0	0.068	200E00		500E00	200E02	800E01

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

LAT 42-34+48N
LON 080-01-12W

YEAR 1967
MONTH 07
DAY 12
TIME 0515

NO. DEPTHS 13
SCUNDING 0445
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R PD4
1.0		19.62	0.5	320	8.510		9.43	0.007
4.0		19.61	0.4	319	8.530		9.50	0.003
7.0		19.31	0.5	320	8.510		9.46	0.005
10.0		18.16	0.6	320	8.470		9.19	0.007
13.0		15.11	0.6	322	8.340		8.90	0.007
16.0		9.83	0.4	323	8.260		9.81	0.009
19.0		6.60	1.6	331	8.030		9.44	0.024
22.0		6.10	2.4	328	7.920		9.72	0.009
25.0		5.58	2.0	329	7.940		9.54	0.021
28.0		5.46	2.1	319	7.960		10.16	0.014
31.0		5.47	2.0	327	7.930		10.41	0.024
37.0		5.38	1.8	327	7.940		10.65	0.033
43.0		5.39	3.7	328	7.920		10.00	0.036

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	000E00		000E00	120E02	120E02
4.0	0.001					
7.0	0.000	000E00				
10.0	0.000					
13.0	0.005					
16.0	0.017					
19.0	0.043					
22.0	0.017	400E00				
25.0	0.056					
28.0	0.056					
31.0	0.058					
37.0	0.063					
43.0	0.066	000E00		000E00	120E02	100E02

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

LAT 42-30-24N
 LON 080-09-45W

YEAR 1967
 MONTH 07
 DAY 12
 TIME 0646

NO. DEPTHS 12
 SCUNDING 0408
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.42	0.7	314	8.530		9.35	
4.0		20.39	0.6	313	8.560		9.24	
7.0		20.32	0.7	313	8.530		9.26	
10.0		15.55	1.2	320	8.120		8.26	
13.0		11.18	0.8	326	8.080		8.96	
15.0		7.54	1.1	329	7.950		9.77	
18.0		6.55	1.3	330	7.920		9.97	
21.0		6.12	1.5	330	7.970		9.61	
24.0		5.96	1.9	332	7.880		9.81	
27.0		5.67	2.2	328	7.800		9.92	
30.0		5.66	2.0	328	7.850		10.23	
36.0		5.61	6.8	327	7.820		9.83	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.015	600E01		000E00	320E02	800E01
4.0	0.013					
7.0	0.013	000E00				
10.0	0.055					
13.0	0.027					
15.0	0.004					
18.0	0.057					
21.0	0.003	100E00				
24.0	0.066					
27.0	0.079					
30.0	0.084					
36.0	0.114	000E00		000E00	800E01	600E01

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

LAT 42-28-24N
 LON 080-01-12W

YEAR 1967
 MONTH 07
 DAY 12
 TIME 0817

NO. DEPTHS 15
 SCUNDING 0610
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		20.28	1.1	317	8.480		9.29	
4.0		20.25	1.0	317	8.490		9.16	
7.0		20.23	0.9	317	8.500		9.21	
10.0		19.76	1.0	317	8.490		9.16	
13.0		14.61	0.9	322	8.210		8.82	
16.0		9.57	1.0	331	7.940		8.31	
19.0		9.45	1.8	331	7.890		8.00	
22.0		9.05	2.0	332	7.870		8.46	
25.0		8.25	1.8	332	7.870		8.95	
28.0		7.28	1.8	332	7.870		9.32	
31.0		7.14	1.8	334	7.860		9.18	
37.0		6.66	2.1	333	7.860		9.40	
43.0		5.99	2.5	327	7.730		9.30	
49.0		5.64	2.8	327	7.810		9.81	
55.0		5.51	3.5	325	7.840		10.22	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.030	100E00		000E00	120E02	800E01
4.0	0.030					
7.0	0.026	000E00				
10.0	0.022					
13.0	0.039					
16.0	0.078					
19.0	0.080					
22.0	0.094	100E00				
25.0	0.085					
28.0	0.090					
31.0	0.103					
37.0	0.090					
43.0	0.102					
49.0	0.116					
55.0	0.127	000E00		000E00	600E01	400E01

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

LAT 42-31-06N
LON 079-52-12W

YEAR 1967
MONTH 07
DAY 12
TIME 0951

NO. DEPTHS 16
SOUNDING 0637
BT SLIDE NO 003

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R PD4
1.0	7.0	19.79	0.9	319	8.480		9.09	
4.0		19.76	0.8	318	8.500		9.26	
7.0		19.73	0.9	319	8.530		9.24	
10.0		18.05	1.0	319	8.460		9.15	
13.0		15.02	0.8	319	8.270		9.10	
16.0		8.55	0.9	319	7.970		10.03	
19.0		6.07	1.1	319	7.940		10.09	
22.0		5.51	1.5	322	7.930		10.58	
25.0		5.31	1.4	317	7.960		10.65	
28.0		5.14	2.3	323	7.960		10.48	
31.0		5.16	2.5	323	7.970		10.42	
37.0		4.78	2.5	322	7.950		10.79	
43.0		4.57	1.4	326	7.830		10.87	
49.0			1.5	325	7.900		10.95	
55.0		4.37	1.5	331	7.910		11.03	
61.0		4.40	1.9	328	7.910		10.58	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.003	000E00		000E00	500E01	400E01
4.0	0.003					
7.0	0.002	100E00				
10.0	0.006					
13.0	0.016					
16.0	0.020					
19.0	0.090					
22.0	0.090	200E00				
25.0	0.105					
28.0	0.103					
31.0	0.112					
37.0	0.115					
43.0	0.128					
49.0	0.130					
55.0	0.133					
61.0	0.135	000E00		000E00	280E02	400E01

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	195.0	92.2	26.4	37.800	7.500	1.300	12.800
4.0							
7.0							
10.0	200.0	93.7	25.8	38.200	7.400	1.300	12.000
13.0							
16.0							
19.0	199.0	93.2	26.9	38.200	7.300	1.300	12.000
22.0							
25.0							
28.0	202.0	94.7	26.0	40.000	7.300	1.300	13.000
31.0							
37.0	203.0	93.7	25.5	38.600	7.300	1.300	12.000
43.0							
49.0							
55.0	202.0	95.6	25.2	39.200	7.600	1.300	11.400
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	0.013	0.111	0.008	0.002	0.005
4.0								
7.0								
10.0	0.000	0.000	0.000	0.022	0.160	0.007	0.006	0.005
13.0								
16.0								
19.0	0.000	0.000	0.000	0.011	0.131	0.007	0.003	0.005
22.0								
25.0								
28.0	0.000	0.000	0.000	0.015	0.049	0.005	0.002	0.005
31.0								
37.0	0.000	0.000	0.000	0.029	0.082	0.008	0.002	0.005
43.0								
49.0								
55.0	0.000	0.000	0.000	0.012	0.074	0.007	0.002	0.020
61.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0		0.140	0.007	5	25.7	125.3	0.0
4.0							0.8
7.0							0.6
10.0	0.002	0.165	0.010	5	26.0	125.9	0.9
13.0							0.5
16.0							0.8
19.0	0.002	0.165	0.012	5	26.4	125.4	0.4
22.0							0.8
25.0							0.7
28.0	0.002	0.170	0.006	5	26.7	129.9	0.6
31.0							0.6
37.0	0.002	0.160	0.014	5	26.0	132.0	0.9
43.0							0.9
49.0							0.8
55.0	0.001	0.150	0.014	5	26.4	132.9	0.5
61.0							0.6

C-REF-NO 105

CONS. NO 040

COUNTRY 18

INSTITUTE 22

LAT 42-30-03N

LON 079-37-03W

YEAR 1967

MONTH 07

DAY 12

TIME 1400

NO. DEPTHS 13

SCUNDING 0445

BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	10.0	20.19	0.6	317	8.520		9.27	
4.0		20.18	0.4	317	8.540		9.18	
7.0		20.07	0.4	317	8.530		9.24	
10.0		20.02	0.4	317	8.530		9.16	
13.0		18.37	0.4	318	8.420		8.71	
16.0		13.05	0.6	321	8.140		9.16	
19.0		8.84	0.6	323	8.030		10.17	
22.0		5.10	0.8	328	7.980		10.87	
25.0		4.93	0.9	328	7.960		10.87	
28.0		4.85	0.9	329	7.960		11.00	
31.0		4.89	1.0	329	7.950		11.21	
37.0		4.85	1.2	329	7.940		10.86	
43.0		4.86	1.8	330	7.940		10.56	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.003	200E00		000E00	120E02	300E01
4.0	0.004					
7.0	0.005	600E00				
10.0	0.006					
13.0	0.007					
16.0	0.037					
19.0	0.060					
22.0	0.156	100E00				
25.0	0.153					
28.0	0.152					
31.0	0.158					
37.0	0.163					
43.0	0.163	000E00		000E00	150E02	120E02

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

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

YEAR 1967
 MONTH 07
 DAY 12
 TIME 1512

NO. DEPTHS 05
 SOUNDING 0259
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	8.0	20.19	0.6	317	8.530		9.16	
4.0		20.15	0.7	317	8.530		9.10	
7.0		20.15	0.7	320	8.540		9.29	
10.0		19.77	0.7	319	8.470		8.99	
13.0		18.84	0.7	316	8.530		9.22	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.005	100E00		000E00	500E01	400E01
4.0	0.005					
7.0	0.006	800E00				
10.0	0.007					
13.0						

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

LAT 42-20-21N
 LON 079-38-54W

YEAR 1967
 MONTH 07
 DAY 12
 TIME 1641

NO. DEPTHS 06
 SOUNDING 0177
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	9.0	19.99	0.5	320	8.570		9.22	
4.0		19.95	0.4	318	8.560		9.29	
7.0		19.92	0.6	319	8.560		9.27	
10.0		19.88	0.4	320	8.550		9.33	
13.0		19.76	0.4	317	8.400		9.22	
16.0		19.12	0.5	316	8.480		9.22	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		120E01	000E00	000E00	600E01	400E01
4.0						
7.0		000E00				
10.0						
13.0						
16.0		800E00	000E00	000E00	190E02	100E02

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

LAT 42-24-57N
LON 079-41-45W

YEAR 1967
MONTH 07
DAY 12
TIME 1755

NO. DEPTHS 12
SCUNDING 0411
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PD4
1.0	8.0	20.52	0.5	316	8.530		9.30	
4.0		20.53	0.5	317	8.560		9.41	
7.0		20.47	0.5	316	8.570		9.44	
10.0		20.33	0.4	316	8.570		9.38	
13.0		19.56	0.6	320	8.470		9.19	
16.0		17.51	0.5	318	8.370		8.70	
19.0		17.68	0.6	318	8.360		8.71	
22.0		14.32	0.8	322	8.270		9.12	
25.0		9.30	0.8	323	8.170		9.58	
28.0		5.06	0.8	326	8.020		11.01	
31.0		5.04	1.0	329	7.970		11.03	
37.0		4.95	1.3	329	7.940		11.07	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	100E00		000E00	200E01	870E01
4.0	0.000					
7.0	0.000	000E00				
10.0	0.000					
13.0	0.000					
16.0	0.000					
19.0	0.000					
22.0	0.012	000E00				
25.0	0.040					
28.0	0.106					
31.0	0.107					
37.0	0.112	200F00		000F00	900E01	600E01

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

LAT 42-20-03N
 LON 079-46-12W

YEAR 1967
 MONTH 07
 DAY 12
 TIME 1924

NO. DEPTHS 11
 SOUNDING 0344
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	9.0	20.17	0.5	321	8.460		9.29	
4.0		20.13	0.3	318	8.500		9.32	
7.0		20.11	0.4	318	8.560		9.35	
10.0		20.01	0.4	317	8.550		9.29	
13.0		19.67	0.5	318	8.550		9.16	
16.0		18.32	0.5	319	8.450		9.01	
19.0		14.47	0.5	325	8.180		8.85	
22.0		9.68	0.6	326	8.090		9.68	
25.0		5.92	0.7	327	7.970		10.56	
28.0		5.19	2.5	327	7.940		10.76	
31.0		5.14	0.3	329	7.890		10.56	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	160E01		000E00	500E01	400E01
4.0	0.000					
7.0	0.000	100E00				
10.0	0.000					
13.0	0.000					
16.0	0.000					
19.0	0.021					
22.0	0.059	100E00				
25.0	0.096					
28.0	0.112					
31.0	0.115	000E00		000E00	800E01	300E01

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

LAT 42-15-00N
 LON 079-51-09W

YEAR 1967
 MONTH 07
 DAY 12
 TIME 2046

NO. DEPTHS 05
 SOUNDING 0143
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	8.0	20.37	0.6	320	8.430		9.24	
4.0		20.32	0.4	320	8.490		9.16	
7.0		20.27	0.4	321	8.500		9.19	
10.0		20.24	0.5	322	8.500		9.40	
13.0		20.20	0.9	321	8.420		9.19	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.005	000E00	200E00	000E00	160E02	110E02
4.0	0.004					
7.0	0.003	300E00				
10.0	0.003					
13.0	0.007	000E00	000E00	000E00	110E02	140E02

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

LAT 42-20-06N
 LON 079-54-06W

YEAR 1967
 MONTH 07
 DAY 12
 TIME 2152

NO. DEPTHS 11
 SOUNDING 0360
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	8.0	20.55	0.6	317	8.480		9.68	
4.0		20.53	0.5	317	8.560		9.43	
7.0		20.47	0.7	316	8.560		9.26	
10.0		20.03	0.6	316	8.550		9.24	
13.0		18.55	0.6	317	8.470		8.93	
16.0		15.25	0.5	318	8.270		8.90	
19.0		13.21	0.5	319	8.150		9.01	
22.0		10.22	0.7	319	8.070		9.55	
25.0		5.97	0.8	320	8.020		10.76	
28.0		5.54	1.2	322	7.980		10.64	
31.0		5.54	1.8	322	7.940		10.72	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.003	000E00		000E00	580E01	440E01
4.0	0.003					
7.0	0.003	000E00				
10.0	0.004					
13.0	0.003					
16.0	0.009					
19.0	0.027					
22.0	0.039	000E00				
25.0	0.113					
28.0	0.112					
31.0	0.120	800E00		000E00	700E01	600E01

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

LAT 42-21-06N
 LON 080-02-24W

YEAR 1967
 MONTH 07
 DAY 12
 TIME 2301

NO. DEPTHS 11
 SOUNDING 0335
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PD4
1.0	9.0	20.85	0.5	317	8.550		9.18	
4.0		20.84	0.4	318	8.570		9.33	
7.0		20.82	0.6	319	8.570		9.32	
10.0		20.70	0.5	319	8.570		9.29	
13.0		19.36	0.6	319	8.380		9.21	
16.0		16.16	0.6	319	8.250		8.82	
19.0		13.98	0.5	319	8.200		9.16	
22.0		6.82	0.7	322	8.000		9.80	
25.0		6.26	1.0	323	7.900		9.78	
28.0		6.13	1.7	323	7.860		9.72	
31.0		5.83	1.6	323	7.870		9.94	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.009	300E00		000E00	140E01	120E01
4.0	0.009					
7.0	0.007	000E00				
10.0	0.007					
13.0	0.003					
16.0	0.005					
19.0	0.018					
22.0	0.072	500E00				
25.0	0.086					
28.0	0.089					
31.0	0.098	100E00		000E00	320E01	360E01

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

LAT 42-15-33N
 LON 079-59-27W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 0009

NO. DEPTHS 06
 SCUNDING 0192
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PD4
1.0	9.0	20.20	0.8	322	8.480		9.24	
4.0		20.18	0.7	322	8.530		9.26	
7.0		20.18	0.8	323	8.530		9.29	
10.0		20.15	0.7	321	8.520		9.16	
13.0		19.89	0.8	321	8.490		9.15	
16.0		17.23	1.0	321	8.290		8.00	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	000E00		000E00	500E01	520E01
4.0	0.002					
7.0	0.002	200E00				
10.0	0.002					
13.0	0.002					
16.0	0.005	100E00		000E00	940E01	120E02

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

LAT 42-13-54N
 LON 079-55-12W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 0058

NO. DEPTHS 04
 SOUNDING 0119
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R PO4
1.0	6.5	20.49	1.3	323	8.450		9.07	
4.0		20.46	1.0	322	8.480		9.04	
7.0		20.44	1.0	318	8.490		9.18	
10.0		20.46	0.9	315	8.490		8.98	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	800E00	000E00	000E00	600E01	100E02
4.0	0.003					
7.0	0.002	100E00				
10.0	0.001	800E00	000E00	000E00	120E02	500E01

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

LAT 42-12-18N
 LON 079-59-24W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 0147

NO. DEPTHS 04
 SOUNDING 0134
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R PO4
1.0		20.41	1.1	314	8.490		8.91	
4.0		20.38	1.0	314	8.480		8.96	
7.0		20.38	0.8	314	8.490		8.93	
10.0		20.38	0.9	315	8.490		8.95	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	100E00	200E00	000E00	250E02	110E02
4.0	0.001	100E00				
7.0	0.001					
10.0	0.002	200E00	000E00	000E00	170E02	150E02

C-REF-NO 105
CONS. NO 051

COUNTRY 18
INSTITUTE 22

LAT 42-11-00N
LON 080-02-57W

YEAR 1967
MONTH 07
DAY 13
TIME 0228

NO. DEPTHS 04
SCOUNDING 0122
BT SLIDE NO 004

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		20.67	0.5	320	8.380		9.02	
4.0		20.65	0.6	320	8.400		8.98	
7.0		20.63	0.6	320	8.470		8.98	
10.0		20.62	0.6	321	8.460		8.96	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.001	300E00	000E00	000E00	900E01	700E01
4.0	0.001					
7.0	0.000	000E00				
10.0	0.002	000E00	000E00	000E00	200E02	170E02

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	194.0	92.7	26.5	38.600	7.400	1.300	12.000
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	0.018	0.086	0.005	0.003	0.005
4.0								
7.0								
10.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.002	0.155	0.012	5	26.0	129.3	0.6
4.0							0.5
7.0							0.6
10.0							0.8

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

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

YEAR 1967
 MONTH 07
 DAY 13
 TIME 0337

NO. DEPTHS 06
 SOUNDING 0192
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.30	0.5	321	8.530		9.29	
4.0		20.25	0.5	320	8.550		9.29	
7.0		20.26	0.4	320	8.540		9.27	
10.0		20.21	0.5	320	8.530		9.30	
13.0		18.70	0.6	321	8.470		8.90	
16.0		14.11	0.6	324	8.100		8.22	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	000E00	000E00	000E00	170E02	500E01
4.0	0.002					
7.0	0.002	100E00				
10.0	0.002					
13.0	0.002					
16.0	0.018	000E00	000E00	000E00	240E02	120E02

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

LAT 42-16-12N
 LON 080-07-18W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 0428

NO. DEPTHS 08
 SOUNDING 0244
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.34	0.4	317	8.530		9.22	
4.0		20.31	0.5	318	8.530		9.22	
7.0		20.30	0.5	317	8.520		9.24	
10.0		20.18	0.5	318	8.520		9.22	
13.0		17.76	0.4	320	8.390		8.63	
16.0		12.14	0.5	323	8.070		9.07	
19.0		7.89	0.7	324	7.960		9.19	
22.0		6.60	0.8	325	7.940		10.19	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	280E01	000E00	000E00	700E01	400E01
4.0	0.002					
7.0	0.000	000E00				
10.0	0.000					
13.0	0.000					
16.0	0.031					
19.0	0.068					
22.0	0.098	100E00	000E00	000E00	500E01	200E01

C-REF-NO 105
 CONS. NO 054
 COUNTRY 18
 INSTITUTE 22

LAT 42-12-42N
 LON 080-07-27W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 0513

NO. DEPTHS 06
 SOUNDING 0189
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		20.22	0.5	318	8.530		9.30	
4.0		20.22	0.4	320	8.530		9.04	
7.0		20.18	0.4	321	8.560		9.13	
10.0		20.15	0.4	320	8.550		9.18	
13.0		19.68	0.4	320	8.530		9.27	
16.0		15.09	0.5	323	8.060		7.75	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	400E00	000E00	000E00	110E02	500E01
4.0	0.000					
7.0	0.000	000E00				
10.0	0.001					
13.0	0.001					
16.0	0.016	000E00	000E00	000E00	270E02	260E02

C-REF-NO 105
 CONS. NO 055
 COUNTRY 18
 INSTITUTE 22

LAT 42-10-06N
 LON 080-08-57W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 0615

NO. DEPTHS 04
 SOUNDING 0116
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		20.69	0.6	319	8.530		9.09	
4.0		20.67	0.5	318	8.550		9.18	
7.0		20.66	0.6	318	8.560		9.19	
10.0		20.66	0.6	316	8.540		9.10	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	800E00	000E00	000E00	210E02	700E01
4.0	0.002					
7.0	0.002	000E00				
10.0	0.002	000E00	000E00	000E00	100E02	500E01

C-REF-NO 105
 CONS. NO 056
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1967
 MONTH 07
 DAY 13
 TIME 0656

NO. DEPTHS 03
 SOUNDING 0101
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.64	0.9	319	8.550		9.04	
4.0		20.62	1.0	318	8.530		9.13	
7.0		20.62	0.9	319	8.510		9.02	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	320E01	100E01	250E01	600E01	600E01
4.0	0.000					
7.0	0.000	450E01	180E01	340E01	160E02	220E02

C-REF-NO 105
 CONS. NO 057
 COUNTRY 18
 INSTITUTE 22

LAT 42-06-33N
 LON 080-16-24W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 0748

NO. DEPTHS 04
 SOUNDING 0113
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.62	0.5	319	8.530		9.13	
4.0		20.59	0.5	320	8.540		9.10	
7.0		20.57	0.5	319	8.530		9.15	
10.0		20.57	0.5	318	8.550		9.27	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.007	180E01	800E00	600E00	800E01	800E01
4.0	0.002					
7.0	0.001	110E01				
10.0	0.001	450E01	000E00	450E01	110E02	600E01

C-REF-NO 105
 CONS. NO 058
 COUNTRY 18
 INSTITUTE 22

LAT 42-11-21N
 LON 080-11-48W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 0842

NO. DEPTHS 07
 SOUNDING 0204
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.36	0.5	319	8.530		9.13	
4.0		20.33	0.4	317	8.510		9.19	
7.0		20.33	0.4	318	8.520		9.16	
10.0		20.29	0.4	317	8.500		9.12	
13.0		17.61	0.5	321	8.340		8.68	
16.0		13.90	0.4	327	8.210		9.12	
19.0		8.09	0.9	330	7.890		8.93	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	000E00	200E00	200E00	240E02	600E01
4.0	0.002					
7.0	0.000	000E00				
10.0	0.000					
13.0	0.000					
16.0	0.010					
19.0	0.068	400E00	200E00	000E00	800E01	500E01

C-REF-NO 105
 CONS. NO 059
 COUNTRY 18
 INSTITUTE 22

LAT 42-21-33N
 LON 080-18-57W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 1012

NO. DEPTHS 08
 SCUNDING 0241
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	8.5	20.74	0.5	313	8.530		8.93	
4.0		20.72	0.6	313	8.500		8.88	
7.0		20.70	0.5	312	8.550		9.02	
10.0		20.69	0.5	313	8.550		8.95	
13.0		19.55	0.5	313	8.530		8.73	
16.0		11.53	0.6	324	8.020		7.52	
19.0		7.13	1.0	332	7.870		7.44	
22.0		6.64	1.4	332	7.860		8.51	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.032	300E00		000E00	160E02	900E01
4.0	0.031					
7.0	0.031	000E00				
10.0	0.031					
13.0	0.021					
16.0	0.033					
19.0	0.061					
22.0	0.065	000E00		000E00	400E01	100E01

C-REF-NO 105
 CONS. NO 060
 COUNTRY 18
 INSTITUTE 22

LAT 42-29-27N
 LON 080-17-48W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 1119

NO. DEPTHS 08
 SCUNDING 0235
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	7.5	20.30	0.9	316	8.450		9.02	
4.0		20.30	0.9	314	8.470		8.98	
7.0		20.27	1.0	315	8.430		8.96	
10.0		12.11	1.2	326	8.060		9.13	
13.0		9.82	1.8	318	7.960		9.40	
16.0		7.73	1.5	330	7.890		9.88	
19.0		6.19	1.8	331	7.890		9.92	
22.0		6.14	2.0	332	7.850		9.86	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.022	500E00		000E00	700E01	300E01
4.0	0.020					
7.0	0.021	100E00				
10.0	0.033					
13.0	0.042					
16.0	0.060					
19.0	0.057					
22.0	0.065	000E00		000E00	600E01	200E01

C-REF-NO 105
 CONS. NO 061
 COUNTRY 18
 INSTITUTE 22

LAT 42-33-09N
 LON 080-25-42W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 1227

NO. DEPTHS 04
 SCUNDING 0119
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	6.0	19.15	1.4	317	8.400		8.98	
4.0		18.80	1.2	317	8.420		8.93	
7.0		15.87	2.7	319	8.150		8.82	
10.0		11.36	5.0	326	7.910		7.55	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.022					
4.0	0.020					
7.0	0.021					
10.0	0.057					

C-REF-NO 105
 CONS. NO 062
 COUNTRY 18
 INSTITUTE 22

LAT 42-30-21N
 LON 080-34-18W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 1331

NO. DEPTHS 05
 SOUNDING 0165
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	6.0	20.73	1.0	313	8.560		9.10	
4.0		20.70	0.8	312	8.580		9.09	
7.0		20.67	0.9	312	8.580		9.02	
10.0		19.95	0.9	311	8.500		8.79	
13.0		10.63	1.0	309	7.780		6.13	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.015	100E00		000E00	220E02	170E02
4.0	0.012					
7.0	0.011	000E00				
10.0						
13.0	0.059	300E00		000E00	180E02	180E02

C-REF-NO 105
 CONS. NO 063
 COUNTRY 18
 INSTITUTE 22

LAT 42-22-57N
 LON 080-34-51W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 1442

NO. DEPTHS 07
 SOUNDING 0210
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	8.5	20.85	0.5	314	8.570		9.05	
4.0		20.83	0.4	311	8.590		8.87	
7.0		20.76	0.4	314	8.600		9.16	
10.0		20.71	0.5	316	8.590		8.99	
13.0		20.22	0.5	313	8.530		8.81	
16.0		11.12	0.7	321	7.830		7.77	
19.0		9.78	1.1	326	7.750		6.52	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.025	000E00		000E00	500E01	180E02
4.0	0.025					
7.0	0.025	000E00				
10.0	0.025					
13.0	0.030					
16.0	0.048					
19.0	0.048	900E00		000E00	640E01	170E02

C-REF-NO 105
 CONS. NO 064
 COUNTRY 18
 INSTITUTE 22

LAT 42-23-51N
 LON 080-51-00W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 1618

NO. DEPTHS 07
 SOUNDING 0207
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	9.0	21.32	0.4	307	8.590		9.04	
4.0		21.06	0.5	308	8.660		9.18	
7.0		20.99	0.5	307	8.650		9.16	
10.0		20.91	0.4	308	8.650		9.01	
13.0		19.84	0.5	309	8.510		8.31	
16.0		10.45	0.6	320	7.730		4.99	
19.0		10.19	0.6	318	7.580		4.74	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.032	000E00		000E00	700E01	210E02
4.0	0.036					
7.0	0.032	000E00				
10.0	0.031					
13.0	0.037					
16.0	0.138					
19.0	0.137	000E00		000E00	160E02	140E02

C-REF-NO 105
 CONS. NO 065
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1967
 MONTH 07
 DAY 13
 TIME 1744

NO. DEPTHS 05
 SOUNDING 0165
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	5.5	21.03	1.1	312	8.570		8.96	
4.0		20.71	1.2	314	8.580		9.01	
7.0		15.35	1.1	320	7.940		7.17	
10.0		10.34	1.1	324	7.720		5.82	
13.0		10.32	1.2	324	7.650		5.61	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.023	100E00		000E00	500E01	170E02
4.0	0.020					
7.0	0.066	000E00				
10.0	0.109					
13.0	0.106	000E00		000E00	150E02	200E02

C-REF-NO 105
 CONS. NO 066
 COUNTRY 18
 INSTITUTE 22

LAT 42-37-03N
 LON 080-50-03W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 1839

NC. DEPTHS 05
 SOUNDING 0146
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	5.5	20.59	1.7	316	8.520		8.99	
4.0		20.41	1.6	319	8.510		9.04	
7.0		11.08	1.6	327	7.750		5.75	
10.0		10.88	1.6	322	7.600		5.53	
13.0		10.83	1.9	325	7.650		5.37	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.035	000E00		000E00	280E02	160E02
4.0	0.031					
7.0	0.096	000E00				
10.0	0.094					
13.0	0.095	000E00		000E00	320E02	180E02

C-REF-NO 105
 CONS. NO 067
 COUNTRY 18
 INSTITUTE 22

LAT 42-34-42N
 LON 080-58-00W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 1938

NC. DEPTHS 05
 SOUNDING 0165
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	5.0	20.93	1.8	317	8.450		9.05	
4.0		21.00	1.6	315	8.490		9.02	
7.0		20.42	1.7	316	8.510		9.05	
10.0		11.76	2.0	323	7.970		6.63	
13.0		10.56	1.2	323	7.640		4.63	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.028	000E00		000E00	120E02	200E02
4.0	0.030					
7.0	0.029	000E00				
10.0	0.072					
13.0	0.115	100E00		000E00	100E02	120E02

C-REF-NO 105
 CONS. NO 068
 COUNTRY 18
 INSTITUTE 22

LAT 42-37-27N
 LON 081-05-48W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 2035

NO. DEPTHS 04
 SOUNDING 0131
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	5.0	20.76	1.6	311	8.550		8.81	
4.0		20.73	1.6	311	8.600		8.96	
7.0		19.62	1.5	311	8.580		8.48	
10.0		10.98	1.7	325	7.770		4.57	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.023	100E00		000E00	120E01	800E00
4.0	0.023					
7.0	0.035	000E00				
10.0	0.094	100E00		000E00	220E01	120E01

C-REF-NO 105
 CONS. NO 069
 COUNTRY 18
 INSTITUTE 22

LAT 42-35-18N
 LON 081-13-57W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 2127

NO. DEPTHS 05
 SOUNDING 0146
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	5.0	20.49	1.4	315	8.540		8.81	
4.0		20.46	1.3	302	8.560		8.82	
7.0		20.35	1.4	313	8.560		8.99	
10.0		16.98	1.2	319	7.870		6.72	
13.0		11.24	1.5	321	7.690		4.36	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.025	000E00		000E00	340E01	140E01
4.0	0.030					
7.0	0.027	000E00				
10.0	0.069					
13.0	0.121	100E00		000E00	100E02	180E01

C-REF-NO 105
 CONS. NO 070
 COUNTRY 18
 INSTITUTE 22

LAT 42-24-30N
 LON 081-06-57W

YEAR 1967
 MONTH 07
 DAY 13
 TIME 2256

NO. DEPTHS 07
 SCUNDING 0210
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	7.0	21.57	0.6	308	8.630		9.63	
4.0		21.54	0.6	307	8.730		9.60	
7.0		21.54	0.6	306	8.730		9.60	
10.0		21.25	0.5	307	8.730		9.66	
13.0		20.09	0.5	310	8.630		9.10	
16.0		19.02	0.4	311	8.490		8.25	
19.0		10.23	0.8	318	7.510		5.05	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.016	100E00		000E00	260E02	400E01
4.0	0.016					
7.0	0.016	000E00				
10.0	0.018					
13.0	0.040					
16.0	0.053					
19.0	0.131	500E00		000E00	800E01	800E01

C-REF-NO 105
 CONS. NO 071
 COUNTRY 18
 INSTITUTE 22

LAT 42-15-54N
 LON 081-01-27W

YEAR 1967
 MONTH 07
 DAY 14
 TIME 0016

NO. DEPTHS 07
 SCUNDING 0219
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	7.0	21.19	0.6	307	8.590		9.35	
4.0		21.21	0.6	307	8.660		9.41	
7.0		21.10	0.5	308	8.670		9.38	
10.0		21.05	0.5	309	8.650		9.26	
13.0		20.18	0.6	309	8.640		9.24	
16.0		18.53	0.7	309	8.460		8.49	
19.0		9.53	0.8	314	7.830		6.77	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.028	000E00		000E00	800E00	120E01
4.0	0.029					
7.0	0.030	170E01				
10.0	0.029					
13.0	0.023					
16.0	0.017					
19.0	0.057	000E00		000E00	120E01	600E00

C-REF-NO 105
 CONS. NO 072
 COUNTRY 18
 INSTITUTE 22

LAT 42-12-51N
 LON 080-44-00W

YEAR 1967
 MONTH 07
 DAY 14
 TIME 0201

NO. DEPTHS 07
 SOUNDING 0223
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.98	0.5	319	8.570		9.18	
4.0		20.95	0.5	315	8.570		9.12	
7.0		20.95	0.5	317	8.620		9.16	
10.0		20.95	0.4	317	8.580		9.16	
13.0		19.88	0.5	313	8.560		9.24	
16.0		18.89	0.6	316	8.390		8.53	
19.0		9.63	0.9	326	7.890		7.08	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.003	400E00		000E00	440E01	400E01
4.0	0.003					
7.0	0.005	200E00				
10.0	0.003					
13.0	0.000					
16.0	0.000					
19.0	0.022	100E00		000E00	120E01	600E00

C-REF-NO 105
 CONS. NO 073
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1967
 MONTH 07
 DAY 14
 TIME 0340

NO. DEPTHS 07
 SOUNDING 0219
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.76	0.6	319	8.550		9.19	
4.0		20.73	0.4	317	8.570		9.24	
7.0		20.73	0.5	317	8.630		9.36	
10.0		20.73	0.3	318	8.640		8.87	
13.0		19.04	0.5	317	8.430		8.96	
16.0		17.87	0.4	320	8.330		8.34	
19.0		9.86	0.8	328	8.920		7.36	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	300E00		000E00	660E01	520E01
4.0	0.000					
7.0	0.000	000E00				
10.0						
13.0	0.006					
16.0	0.000					
19.0	0.004	000E00		000E00	520E01	400E01

C-REF-NO 105
 CONS. NO 074
 COUNTRY 18
 INSTITUTE 22

LAT 42-06-45N
 LON 080-24-21W

YEAR 1967
 MONTH 07
 DAY 14
 TIME 0449

NO. DEPTHS 06
 SOUNDING 0183
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.76	0.3	317	8.570		9.22	
4.0		20.74	0.4	319	8.580		9.15	
7.0		20.72	0.4	317	8.580		9.26	
10.0		20.49	0.4	317	8.590		9.22	
13.0		18.99	0.4	321	8.480		8.96	
16.0		16.07	1.0	324	7.810		4.58	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.004	900E00		000E00	820E01	600E01
4.0	0.000					
7.0	0.000	000E00				
10.0	0.000					
13.0	0.023					
16.0	0.030	000E00		000E00	310E02	250E02

C-REF-NO 105
 CONS. NO 075
 COUNTRY 18
 INSTITUTE 22

LAT 42-01-45N
 LON 080-28-48W

YEAR 1967
 MONTH 07
 DAY 14
 TIME 0547

NO. DEPTHS 04
 SOUNDING 0122
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.67	0.5	326	8.410		9.02	
4.0		20.65	0.6	327	8.470		8.90	
7.0		20.65	0.6	328	8.470		8.98	
10.0		20.65	0.6	330	8.390		8.90	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.021	400E00		000E00	120E02	110E02
4.0	0.017					
7.0	0.021	000E00				
10.0	0.014	200E00		000E00	120E02	150E02

C-REF-NO 105
 CONS. NO 076
 COUNTRY 18
 INSTITUTE 22

LAT 42-02-51N
 LON 080-35-42W

YEAR 1967
 MONTH 07
 DAY 14
 TIME 0640

NO. DEPTHS 05
 SCUNDING 0168
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.60	0.4	303	8.500		9.04	
4.0		20.58	0.3	324	8.500		9.09	
7.0		20.59	0.4	322	8.520		8.76	
10.0		20.55	0.3	324	8.530		8.73	
13.0		18.58	0.5	330	8.250		7.75	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.003	600E00		000E00	600E01	760E01
4.0	0.000					
7.0	0.002	100E00				
10.0	0.003					
13.0	0.014	200E00		000E00	160E02	150E02

C-REF-NO 105
 CONS. NO 077
 COUNTRY 18
 INSTITUTE 22

LAT 41-57-15N
 LON 080-41-27W

YEAR 1967
 MONTH 07
 DAY 14
 TIME 0743

NO. DEPTHS 05
 SCUNDING 0146
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.96	0.8	330	8.470		8.98	
4.0		20.95	0.7	332	8.500		8.96	
7.0		20.96	0.7	332	8.510		9.02	
10.0		20.96	0.8	333	8.500		8.96	
13.0		20.99	0.7	333	8.490		8.95	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.047	120E01		000E00	680E01	620E01
4.0	0.058					
7.0	0.047	100E00				
10.0	0.045					
13.0	0.043	200E00		000E00	110E02	700E01

C-REF-NO 105
 CONS. NO 078
 COUNTRY 18
 INSTITUTE 22

LAT 41-57-54N
 LON 080-49-12W

YEAR 1967
 MONTH 07
 DAY 14
 TIME 0846

NO. DEPTHS 06
 SCUNDING 0183
 BT SLIDE NO 005

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.69	0.4	323	8.580		9.24	
4.0		20.68	0.4	319	8.600		9.19	
7.0		20.68	0.4	320	8.600		8.91	
10.0		20.70	0.4	322	8.620		9.01	
13.0		20.67	0.3	323	8.620		9.15	
16.0		18.21	0.4	333	8.350		8.37	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.006	200E00		000E00	800E01	800E01
4.0	0.006					
7.0	0.007	000E00				
10.0	0.007					
13.0	0.007					
16.0	0.014	200E00		000E00	140E02	800E01

C-REF-NO 105
 CONS. NO 079
 COUNTRY 18
 INSTITUTE 22

LAT 42-03-12N
 LON 080-52-24W

YEAR 1967
 MONTH 07
 DAY 14
 TIME 0953

NO. DEPTHS 07
 SCUNDING 0226
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.60	0.3	320	8.560		9.15	
4.0		20.57	0.3	318	8.620		8.79	
7.0		20.56	0.3	320	8.650		9.04	
10.0		20.57	0.4	319	8.650		8.93	
13.0		19.14	0.4	323	8.510		8.96	
16.0		17.70	0.3	320	8.310		7.95	
19.0		9.89	0.5	329	7.690		5.54	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	600E00		000E00	900E01	860E01
4.0	0.000					
7.0	0.000	000E00				
10.0	0.000					
13.0						
16.0	0.000					
19.0	0.032	000E00		000E00	600E01	520E01

C-REF-NO 105
 CONS. NO 080
 COUNTRY 18
 INSTITUTE 22

LAT 41-58-06N
 LON 080-57-12W
 YEAR 1967
 MONTH 07
 DAY 14
 TIME 1047

NO. DEPTHS 07
 SOUNDING 0216
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	9.0	20.51	0.4	325	8.530		9.22	
4.0		20.50	0.4	327	8.570		9.26	
7.0		20.49	0.5	327	8.580		9.22	
10.0		19.79	0.4	330	8.520		9.18	
13.0		18.25	0.3	332	8.370		8.56	
16.0		14.20	0.6	341	7.870		7.02	
19.0		10.04	0.5	325	7.700		6.12	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.019	000E00		000E00	920E01	520E01
4.0	0.019					
7.0	0.017	100E00				
10.0	0.022					
13.0	0.012					
16.0	0.041					
19.0	0.035	000E00		000E00	120E02	740E01

C-REF-NO 105
 CONS. NO 081
 COUNTRY 18
 INSTITUTE 22

LAT 41-53-24N
 LON 080-54-12W
 YEAR 1967
 MONTH 07
 DAY 14
 TIME 1141

NO. DEPTHS 04
 SOUNDING 0128
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	3.0	21.25	1.2	345	8.490		9.27	
4.0		21.23	1.7	342	8.550		9.24	
7.0		21.23	2.1	341	8.590		9.21	
10.0		21.24	1.8	344	8.590		9.27	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.088	000E00		000E00	500E01	240E01
4.0	0.088					
7.0	0.088	100E00				
10.0	0.086	300E00		000E00	120E02	600E01

C-REF-NO 105
 CONS. NO 082
 COUNTRY 18
 INSTITUTE 22

LAT 41-53-18N
 LON 081-01-54W

YEAR 1967
 MONTH 07
 DAY 14
 TIME 1246

NO. DEPTHS 06
 SOUNDING 0177
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	6.5	20.91	0.8	339	8.540		9.02	
4.0		20.90	0.7	338	8.500		8.99	
7.0		20.91	0.7	336	8.390		9.01	
10.0		20.90	0.7	333	8.450		8.99	
13.0		20.91	0.8	333	8.470		8.82	
16.0		12.69	1.0	338	7.610		2.42	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.075	160E01		000E00	400E01	360E01
4.0	0.071					
7.0	0.067	000E00				
10.0	0.068					
13.0	0.072					
16.0	0.057	000E00		000E00	140E02	720E01

C-REF-NO 105
 CONS. NO 083
 COUNTRY 18
 INSTITUTE 22

LAT 41-53-51N
 LON 080-10-00W

YEAR 1967
 MONTH 07
 DAY 14
 TIME 1352

NO. DEPTHS 07
 SOUNDING 0204
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	8.0	20.65	0.6	324	8.530		9.18	
4.0		20.66	0.7	324	8.580		9.22	
7.0		20.65	0.6	325	8.570		9.19	
10.0		20.61	0.5	326	8.570		9.26	
13.0		17.94	0.5	329	8.280		9.18	
16.0		13.01	0.7	334	7.880		7.14	
19.0		9.65	1.2	328	7.630		5.79	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.014	400E00		000E00	400E01	560E01
4.0	0.014					
7.0	0.013	200E00				
10.0	0.015					
13.0	0.032					
16.0	0.042					
19.0	0.035	000E00		000E00	140E02	140E02

C-REF-NO 105
 CONS. NO 084
 COUNTRY 18
 INSTITUTE 22

LAT 41-54-09N
 LON 081-17-57W

YEAR 1967
 MONTH 07
 DAY 14
 TIME 1448

NO. DEPTHS 08
 SCUNDING 0219
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	8.0	20.78	0.5	317	8.570		9.27	
4.0		20.74	0.5	316	8.620		9.19	
7.0		20.72	0.4	320	8.620		9.24	
10.0		20.72	0.5	319	8.610		9.24	
13.0		18.76	0.4	327	8.310		9.01	
16.0		13.47	0.5	337	8.020		7.53	
19.0		9.22	0.6	328	7.700		5.87	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.019	160E01		000E00	400E01	180E02
4.0	0.019					
7.0	0.018	100E00				
10.0	0.018					
13.0	0.028					
16.0	0.045					
19.0	0.025	000E00		000E00	130E02	100E02

C-REF-NO 105
 CONS. NO 085
 COUNTRY 18
 INSTITUTE 22

LAT 41-49-24N
 LON 081-14-27W

YEAR 1967
 MONTH 07
 DAY 14
 TIME 1602

NO. DEPTHS 05
 SCUNDING 0165
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	6.0	21.12	0.9	349	8.460		8.95	
4.0		21.09	0.8	349	8.480		8.98	
7.0		21.00	1.0	351	8.480		9.01	
10.0		21.00	0.9	352	8.480		8.56	
13.0		20.20	1.0	371	8.130		7.24	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.091	200E00		000E00	400E01	200E01
4.0	0.094					
7.0	0.088	000E00				
10.0	0.092					
13.0	0.093	100E01		000E00	400E01	800E01

C-REF-NO 105
 CONS. NO 086
 COUNTRY 18
 INSTITUTE 22

LAT 41-49-06N
 LON 081-22-27W

YEAR 1967
 MONTH 07
 DAY 14
 TIME 1707

NO. DEPTHS 06
 SCUNDING 0192
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	7.5	20.80	0.7	332	8.540		9.16	
4.0		20.77	0.6	328	8.550		9.16	
7.0		20.73	0.6	331	8.530		9.04	
10.0		20.66	0.5	330	8.550		9.01	
13.0		16.81	0.5	337	8.330		8.31	
16.0		12.42	1.1	347	7.760		5.51	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.038	000E00		000E00	500E01	400E01
4.0	0.039					
7.0	0.040	000E00				
10.0	0.043					
13.0	0.043					
16.0	0.065	300E00		000E00	500E01	200E01

C-REF-NO 105
 CONS. NO 087
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-36N
 LON 081-33-06W

YEAR 1967
 MONTH 07
 DAY 14
 TIME 1827

NO. DEPTHS 08
 SCUNDING 0238
 BT SLIDE NO 005

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	9.0	20.74	0.5	318	8.600		9.24	0.002
4.0		20.72	0.2	317	8.590		9.18	0.002
7.0		20.70	0.4	314	8.620		9.16	0.001
10.0		20.71	0.4	315	8.640		9.15	0.001
13.0		20.46	0.4	314	8.630		9.18	0.001
16.0		18.59	0.3	316	8.400		8.43	0.001
19.0		9.56	0.7	323	7.770		6.44	
22.0		9.54	0.7	324	7.650		6.38	0.017

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.010	100E00		000E00	200E01	100E01
4.0	0.009					
7.0	0.009	100E00				
10.0	0.007					
13.0	0.008					
16.0	0.008					
19.0	0.023					
22.0	0.024	100E00		000E00	440E01	320E01

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	181.0	91.8	25.6	38.000	7.600	1.300	12.000
4.0							
7.0							
10.0	180.0	91.3	25.4	38.000	7.500	1.300	11.400
13.0							
16.0							
19.0	184.0	92.7	25.4	38.400	7.600	1.300	12.400
22.0							

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	0.013	0.016	0.003	0.004	0.005
4.0								
7.0								
10.0	0.000	0.000	0.000	0.011	0.034	0.004	0.003	0.005
13.0								
16.0								
19.0	0.000	0.000	0.000	0.022	0.110	0.003	0.002	0.030
22.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.002	0.165	0.020	5	25.5	126.2	0.5
4.0							0.6
7.0							0.3
10.0	0.002	0.155	0.012	5	25.8	125.8	0.4
13.0							0.5
16.0							0.3
19.0	0.001	0.155	0.014	5	26.0	127.2	0.3
22.0							1.5

C-REF-NO 105
 CONS. NO 088
 COUNTRY 18
 INSTITUTE 22

LAT 42-02-45N
 LON 081-23-51W

YEAR 1967
 MONTH 07
 DAY 14
 TIME 2028

NO. DEPTHS 08
 SOUNDING 0238
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	9.5	20.85	0.5	310	8.640		9.05	
4.0		20.83	0.4	312	8.640		8.88	
7.0		20.81	0.4	310	8.630		8.74	
10.0		20.79	0.5	314	8.630		8.82	
13.0		19.97	0.4	312	8.580		8.63	
16.0		18.89	0.3	313	8.430		8.18	
19.0		9.69	0.4	321	7.680		6.88	
22.0		9.37	0.6	319	7.620		6.43	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.032	000E00		000E00	680E01	260E01
4.0	0.028					
7.0	0.028	250E01				
10.0	0.026					
13.0	0.030					
16.0	0.041					
19.0	0.066					
22.0	0.069	100E00		000E00	900E01	420E01

C-REF-NO 105
 CONS. NO 089
 COUNTRY 18
 INSTITUTE 22

LAT 42-04-00N
 LON 081-08-36W

YEAR 1967
 MONTH 07
 DAY 14
 TIME 2159

NO. DEPTHS 08
 SOUNDING 0232
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	10.0	20.62	0.6	315	8.540		9.18	
4.0		20.61	0.4	312	8.590		9.09	
7.0		20.61	0.5	312	8.600		8.12	
10.0		20.62	0.4	315	8.600		8.98	
13.0		19.03	0.4	316	8.510		8.90	
16.0		15.99	0.3	319	8.150		7.67	
19.0		9.82	0.7	323	7.800		5.99	
22.0		9.55	1.0	324	7.700		5.44	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	200E00		000E00	660E01	240E01
4.0	0.001					
7.0	0.001	000E00				
10.0	0.001					
13.0	0.001					
16.0	0.002					
19.0	0.029					
22.0	0.033	000E00		000E00	190E02	340E01

C-REF-NO 105
 CONS. NO 090
 COUNTRY 18
 INSTITUTE 22

LAT 42-14-48N
 LON 081-15-48W

YEAR 1967
 MONTH 07
 DAY 14
 TIME 2329

NO. DEPTHS 07
 SOUNDING 0226
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	8.0	20.68	0.4	310	8.640		9.21	
4.0		20.65	0.4	312	8.640		9.24	
7.0		20.65	0.5	316	8.680		9.24	
10.0		20.65	0.4	315	8.670		9.21	
13.0		19.14	0.4	315	8.490		9.15	
16.0		18.77	0.5	317	8.360		8.11	
19.0		9.51	1.0	315	7.740		5.75	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.041	600E00		000E00	360E01	140E01
4.0	0.041					
7.0	0.040	800E00				
10.0	0.041					
13.0	0.055					
16.0	0.058					
19.0	0.174	000E00		000E00	200E02	440E01

C-REF-NO 105
 CONS. NO 091
 COUNTRY 18
 INSTITUTE 22

LAT 42-25-21N
 LON 081-23-12W

YEAR 1967
 MONTH 07
 DAY 15
 TIME 0110

NO. DEPTHS 07
 SOUNDING 0223
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	4.0	20.33	0.7	305	8.540		8.98	
4.0		20.32	0.7	308	8.610		9.01	
7.0		20.31	0.7	308	8.610		8.95	
10.0		19.48	0.8	311	8.540		8.62	
13.0		10.36	0.7	322	7.770		5.58	
16.0		10.19	0.7	324	7.720		5.51	
19.0		9.95	0.7	324	7.640		5.89	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.019	400E00		000E00	190E01	100E01
4.0	0.019					
7.0	0.020	000E00				
10.0	0.025					
13.0	0.147					
16.0	0.154					
19.0	0.128	000E00		000E00	170E02	680E01

C-REF-NO 105
 CONS. NO 092
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1967
 MONTH 07
 DAY 15
 TIME 0220

NO. DEPTHS 04
 SOUNDING 0134
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		18.17	1.2	313	8.390		8.79	
4.0		15.15	2.3	322	7.960		6.17	
7.0		10.70	1.5	320	7.700		4.78	
10.0		10.72	1.4	321	7.650		5.20	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.069					
4.0	0.126					
7.0	0.156					
10.0	0.166					

C-REF-NO 105
 CONS. NO 093
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1967
 MONTH 07
 DAY 15
 TIME 0359

NO. DEPTHS 04
 SOUNDING 0134
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		17.58	1.3	311	8.470		8.90	
4.0		15.94	1.3	309	8.380		8.62	
7.0		13.91	1.5	317	7.860		6.26	
10.0		11.66	1.4	321	7.730		4.72	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.060	000E00		000E00	800E00	120E01
4.0	0.068					
7.0	0.128	200E00				
10.0	0.166	000E00		000E00	820E01	200E01

C-REF-NO 105
 CONS. NO 094
 COUNTRY 18
 INSTITUTE 22

LAT 42-21-21N
 LON 081-47-45W

YEAR 1967
 MONTH 07
 DAY 15
 TIME 0517

NO. DEPTHS 05
 SOUNDING 0155
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		18.52	0.9	313	8.400		8.57	
4.0		18.53	1.1	310	8.420		8.56	
7.0		14.37	1.2	318	7.850		6.15	
10.0		11.11	1.0	321	7.560		4.08	
13.0		11.12	1.0	323	7.560		3.91	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.060					
4.0	0.056					
7.0	0.097					
10.0	0.105					
13.0	0.104					

C-REF-NO 105
 CONS. NO 095
 COUNTRY 18
 INSTITUTE 22

LAT 42-16-21N
 LON 081-47-54W

YEAR 1967
 MONTH 07
 DAY 15
 TIME 0623

NO. DEPTHS 05
 SOUNDING 0171
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		19.10	1.0	310	8.470		8.73	
4.0		19.09	0.9	310	8.490		8.91	
7.0		17.45	1.4	314	8.340		8.18	
10.0		12.11	1.0	323	7.630		3.68	
13.0		11.41	0.9	324	7.630		3.25	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.061					
4.0	0.058					
7.0	0.073					
10.0	0.083					
13.0	0.079					

C-REF-NO 105
 CONS. NO 096
 COUNTRY 18
 INSTITUTE 22

LAT 42-15-21N
 LON 081-32-06W

YEAR 1967
 MONTH 07
 DAY 15
 TIME 0753

NO. DEPTHS 08
 SOUNDING 0250
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		20.57	0.6	310	8.570		8.84	
4.0		20.56	0.5	312	8.610		8.84	
7.0		20.55	0.5	309	8.600		8.79	
10.0		20.56	0.6	312	8.600		8.87	
13.0		18.80	0.8	316	8.310		7.70	
16.0		11.11	0.5	321	7.580		5.99	
19.0		10.10	0.6	330	7.630		5.96	
22.0		9.81	0.9	325	7.630		6.57	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.030	000E00		000E00	300E01	140E01
4.0	0.029					
7.0	0.028	000E00				
10.0	0.027					
13.0	0.043					
16.0	0.140					
19.0	0.136					
22.0	0.090	000E00		000E00	220E02	280E01

C-REF-NO 105
 CONS. NO 097
 COUNTRY 18
 INSTITUTE 22

LAT 42-05-00N
 LON 081-40-54W
 YEAR 1967
 MONTH 07
 DAY 15
 TIME 0932

NO. DEPTHS 09
 SOUNDING 0265
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R PO4
1.0		20.30	0.3	314	8.570		8.81	
4.0		20.28	0.4	315	8.590		8.79	
7.0		20.27	0.4	315	8.580		8.65	
10.0		20.28	0.4	314	8.590		8.79	
13.0		20.30	0.4	318	8.600		8.68	
16.0		20.28	0.3	319	8.580		8.68	
19.0		19.17	0.3	317	8.500		8.14	
21.0		10.11	0.6	327	7.750		7.45	
24.0		10.05	0.8	330	7.710		6.51	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.020	000E00		000E00	400E01	340E01
4.0	0.019					
7.0	0.018	000E00				
10.0	0.019					
13.0	0.019					
16.0	0.019					
19.0	0.024					
21.0	0.048					
24.0	0.054	200E00		000E00	580E01	340E01

C-REF-NO 105
 CONS. NO 098
 COUNTRY 18
 INSTITUTE 22

LAT 42-11-03N
 LON 081-52-06W
 YEAR 1967
 MONTH 07
 DAY 15
 TIME 1057

NO. DEPTHS 06
 SOUNDING 0195
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R PO4
1.0	5.0	19.61	0.7	311	8.380		8.43	
4.0		19.60	0.7	315	8.430		8.36	
7.0		19.59	0.6	312	8.460		8.53	
10.0		19.61	0.5	311	8.720		8.51	
13.0		19.61	0.6	314	8.490		8.49	
16.0		12.13	0.6	318	7.690		4.94	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.075	000E00		000E00	600E01	520E01
4.0	0.073					
7.0	0.073	750E01				
10.0	0.073					
13.0	0.072					
16.0	0.095	200E00		000E00	780E01	320E01

C-REF-NO 105
 CONS. NO 099
 COUNTRY 18
 INSTITUTE 22

LAT 42-13-15N
 LON 082-03-03W

YEAR 1967
 MONTH 07
 DAY 15
 TIME 1211

NO. DEPTHS 06
 SOUNDING 0186
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	4.0	19.97	0.8	303	8.530		8.39	
4.0		19.95	0.9	313	8.470		8.31	
7.0		19.95	1.0	314	8.470		8.25	
10.0		11.90	0.8	324	7.660		4.69	
13.0		11.64	1.1	304	7.550		3.70	
16.0		11.58	1.4	320	7.570		3.53	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.103	110E01		000E00	300E01	380E01
4.0	0.094					
7.0	0.097	000E00				
10.0	0.104					
13.0	0.102					
16.0	0.126	100E00		000E00	270E02	750E01

C-REF-NO 105
 CONS. NO 100
 COUNTRY 18
 INSTITUTE 22

LAT 42-06-09N
 LON 081-57-09W

YEAR 1967
 MONTH 07
 DAY 15
 TIME 1324

NO. DEPTHS 06
 SOUNDING 0192
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	6.0	20.27	0.7	316	8.580		9.10	
4.0		20.23	0.7	315	8.630		9.07	
7.0		20.22	0.6	315	8.630		8.98	
10.0		20.29	0.7	315	8.650		9.01	
13.0		20.23	0.6	316	8.640		9.05	
16.0		18.47	0.7	316	8.470		8.22	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.038	200E01		000E00	880E01	760E01
4.0	0.038					
7.0	0.038	000E00				
10.0	0.037					
13.0	0.039					
16.0	0.045	000E00		000E00	200E02	580E01

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

LAT 41-57-00N
 LON 082-06-09W

YEAR 1967
 MONTH 07
 DAY 15
 TIME 1502

NO. DEPTHS 08
 SOUNDING 0241
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R PD4
1.0	8.0	19.90	0.5	317	8.550		8.93	
4.0		19.88	0.5	316	8.560		8.95	
7.0		19.86	0.4	317	8.570		8.93	
10.0		19.87	0.5	316	8.570		9.09	
13.0		19.87	0.6	315	8.580		8.81	
16.0		19.84	0.5	315	8.540		8.82	
19.0		10.74	0.6	329	7.750		5.20	
22.0		10.64	3.4	331	7.530		4.97	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.019	000E00		000E00	100E02	840E01
4.0	0.019					
7.0	0.019	000E00				
10.0	0.019					
13.0	0.020					
16.0	0.020					
19.0	0.109					
22.0	0.126	000E00		000E00	200E02	840E01

C-REF-NO 105
 CONS. NO 102
 COUNTRY 18
 INSTITUTE 22

LAT 42-06-09N
 LON 082-12-42W

YEAR 1967
 MONTH 07
 DAY 15
 TIME 1631

NO. DEPTHS 07
 SOUNDING 0219
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R PD4
1.0	5.0	20.73	1.2	307	8.480		8.32	
4.0		20.66	0.9	307	8.490		8.54	
7.0		20.57	0.9	307	8.500		8.31	
10.0		20.57	0.9	305	8.480		7.98	
13.0		12.77	0.9	322	7.820		4.43	
16.0		11.70	1.0	321	7.640		4.21	
19.0		11.70	1.0	323	7.490		3.73	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.087	000E00		000E00	160E02	110E02
4.0	0.083					
7.0	0.085	100E00				
10.0	0.082					
13.0	0.171					
16.0	0.130					
19.0	0.128	000E00		000E00	120E02	120E01

C-REF-NO 105
 CONS. NO 103
 COUNTRY 18
 INSTITUTE 22

LAT 42-05-03N
 LON 082-23-48W

YEAR 1967
 MONTH 07
 DAY 15
 TIME 1738

NO. DEPTHS 04
 SOUNDING 0125
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	4.5	20.33	1.2	302	8.580		8.81	
4.0		20.29	1.1	301	8.610		8.63	
7.0		20.18	1.0	305	8.560		8.31	
10.0		12.91	1.5	320	7.690		2.52	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.071					
4.0	0.071					
7.0	0.071					
10.0	0.149					

C-REF-NO 105
 CONS. NO 104
 COUNTRY 18
 INSTITUTE 22

LAT 41-57-03N
 LON 082-22-03W

YEAR 1967
 MONTH 07
 DAY 15
 TIME 1847

NO. DEPTHS 06
 SOUNDING 0183
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	5.5	20.26	1.0	316	8.470		8.45	
4.0		20.24	0.8	317	8.490		8.57	
7.0		20.21	0.8	318	8.470		8.70	
10.0		20.19	0.9	317	8.270		8.51	
13.0		14.64	1.3	329	7.620		3.43	
16.0		12.52	6.0	328	7.520		2.07	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.120	200E00		000E00	280E01	280E01
4.0	0.116					
7.0	0.118	000E00				
10.0	0.134					
13.0	0.189					
16.0	0.248	100E00		000E00	240E02	880E01

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

LAT 41-52-24N
 LON 082-26-15W

YEAR 1967
 MONTH 07
 DAY 15
 TIME 1947

NO. DEPTHS 04
 SOUNDING 0131
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	5.0	20.48	1.0	307	8.320	88.0	7.70	
4.0		20.42	1.0	305	8.320	89.0	8.08	
7.0		20.40	1.0	304	8.370	91.0	8.76	
10.0		20.40	1.0	302	8.350	90.0	7.90	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.092	400E00		000E00	600E01	420E01
4.0	0.081					
7.0	0.085	000E00				
10.0	0.086	100E00		000E00	160E01	140E01

C-REF-NO 105
 CONS. NO 106
 COUNTRY 18
 INSTITUTE 22

LAT 41-47-18N
 LON 082-22-06W

YEAR 1967
 MONTH 07
 DAY 15
 TIME 2042

NO. DEPTHS 05
 SOUNDING 0158
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	6.0	20.45	0.7	319	8.480	91.0	8.67	
4.0		20.42	0.7	319	8.470	91.0	8.60	
7.0		20.36	0.6	320	8.450	91.0	8.49	
10.0		20.35	0.8	316	8.420	91.0	8.45	
13.0		20.28	0.7	320	8.440	91.0	8.34	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.149	300E00		000E00	600E01	560E01
4.0	0.142					
7.0	0.134	000E00				
10.0	0.131					
13.0	0.134	100E00		000E00	120E02	560E01

C-REF-NO 105
 CONS. NO 107
 COUNTRY 18
 INSTITUTE 22

LAT 41-45-54N
 LON 082-14-51W

YEAR 1967
 MONTH 07
 DAY 15
 TIME 2132

NO. DEPTHS 06
 SOUNDING 0196
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	5.8	20.29	0.7	315	8.570	92.0	9.27	0.008
4.0		20.18	0.7	315	8.610	91.0	9.26	0.004
7.0		20.07	0.7	316	8.580	91.0	9.07	0.008
10.0		20.06	0.6	319	8.550	90.0	8.91	0.008
13.0		20.08	0.7	317	8.570	91.0	8.81	0.010
16.0		12.31	1.0	340	7.650	96.0	3.31	0.100

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.082	000E00		000E00	280E01	240E01
4.0	0.078					
7.0	0.075	000E00				
10.0	0.080					
13.0	0.084					
16.0	0.212	200E00		100E00	180E02	110E02

C-REF-NO 105
 CONS. NO 108
 COUNTRY 18
 INSTITUTE 22

LAT 41-45-18N
 LON 081-58-12W

YEAR 1967
 MONTH 07
 DAY 15
 TIME 2327

NO. DEPTHS 07
 SCUNDING 0216
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	8.0	20.19	0.5	324	8.560	94.0	9.10	
4.0		20.17	0.6	321	8.610	94.0	9.16	
7.0		19.98	0.5	319	8.590	94.0	9.09	
10.0		19.83	0.5	321	8.540	95.0	8.93	
13.0		19.77	0.3	320	8.690	93.0	8.73	
16.0		15.07	0.4	330	8.220	94.0	7.72	
19.0		9.63	0.6	329	7.720	96.0	6.27	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.020	400E00		000E00	440E01	340E01
4.0	0.024					
7.0	0.027	000E00				
10.0	0.034					
13.0	0.036					
16.0	0.039					
19.0	0.030	100E00		000E00	400E02	200E02

C-REF-NO 105
 CONS. NO 109
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-30N
 LON 081-50-00W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 0103

NO. DEPTHS 08
 SOUNDING 0244
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	9.0	20.24	0.4	322	8.520	92.0	9.10	
4.0		20.17	0.4	322	8.570	93.0	9.12	
7.0		19.85	0.5	324	8.570	93.0	9.01	
10.0		19.80	0.4	326	8.540	93.0	9.05	
13.0		19.74	0.5	325	8.510	94.0	8.91	
16.0		18.62	0.5	323	8.440	94.0	8.60	
19.0		9.53	0.6	324	7.660	96.0	6.96	
22.0		9.49	0.8	321	7.660	96.0	6.86	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.002	100E00		000E00	600E01	560E01
4.0	0.000					
7.0	0.003	000E00				
10.0	0.002					
13.0	0.004					
16.0	0.002					
19.0	0.028					
22.0	0.025	000E00		000E00	400E02	150E02

C-REF-NO 105
 CONS. NO 110
 COUNTRY 18
 INSTITUTE 22

LAT 41-44-57N
 LON 081-42-18W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 0243

NO. DEPTHS 08
 SOUNDING 0234
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		20.26	0.9	323	8.490	95.0	9.05	0.040
4.0		20.22	0.8	324	8.510	95.0	9.07	0.030
7.0		20.18	1.0	324	8.540	93.0	9.02	0.041
10.0		20.07	0.9	325	8.500	95.0	8.74	0.026
13.0		18.53	1.0	326	8.440	97.0	8.54	0.040
16.0		10.36	1.1	327	7.840	97.0	6.76	0.063
19.0		9.67	4.1	329	7.650	97.0	5.76	0.072
22.0		9.68	5.5	331	7.600	97.0	5.65	0.084

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.067	000E00	000E00	000E00	440E02	160E02
4.0	0.064					
7.0	0.066	000E00				
10.0	0.063					
13.0	0.063					
16.0	0.037					
19.0	0.040					
22.0	0.039	000E00	000E00	000E00	700E02	400E02

C-REF-NO 105
 CONS. NO 111
 COUNTRY 18
 INSTITUTE 22

LAT 41-44-51N
 LON 081-34-33W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 0359

NO. DEPTHS 07
 SOUNDING 0219
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.49	1.0	330	8.480	95.0	8.85	
4.0		20.48	1.0	329	8.490	94.0	8.81	
7.0		20.44	0.9	335	8.480	94.0	8.70	
10.0		20.31	1.0	332	8.460	95.0	8.49	
13.0		20.27	0.9	330	8.450	95.0	8.46	
16.0		11.56	1.1	343	7.550	101.0	3.88	
19.0		11.31	1.7	341	7.500	100.0	3.65	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.072	000E00	000E00	000E00	240E02	580E01
4.0	0.070					
7.0	0.068	000E00				
10.0	0.073					
13.0	0.068					
16.0	0.120					
19.0	0.108	000E00	000E00	000E00	300E02	150E02

C-REF-NO 105
 CONS. NO 112
 COUNTRY 18
 INSTITUTE 22

LAT 41-44-09N
 LON 081-26-45W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 0456

NO. DEPTHS 05
 SOUNDING 0161
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		21.14	1.0	322	8.490	96.0	8.81	
4.0		21.14	0.9	323	8.540	97.0	8.70	
7.0		21.07	0.9	323	8.540	95.0	8.70	
10.0		20.99	0.8	324	8.520	94.0	8.59	
13.0		19.00	1.9	334	8.040	96.0	5.92	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.087	200E00	000E00	000E00	200E02	110E02
4.0	0.094					
7.0	0.074	200E00				
10.0	0.090					
13.0	0.162	700E00	000E00	000E00	240E02	250E02

C-REF-NO 105
 CONS. NO 113
 COUNTRY 18
 INSTITUTE 22

LAT 41-39-09N
 LON 081-31-18W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 0609

NO. DEPTHS 04
 SOUNDING 0128
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PD4
1.0		21.61	1.0	336	8.360	89.0	7.86	0.040
4.0		21.58	1.3	334	8.350	90.0	7.94	0.040
7.0		21.36	1.1	329	8.420	89.0	8.04	0.020
10.0		21.32	1.2	328	8.410	90.0	8.18	0.027

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.198	000E00	000E00	000E00	400E01	110E02
4.0	0.208					
7.0	0.160	000E00				
10.0	0.162	100E00	000E00	000E00	260E02	200E02

C-REF-NO 105
 CONS. NO 114
 COUNTRY 18
 INSTITUTE 22

LAT 41-39-24N
 LON 081-35-18W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 0647

NO. DEPTHS 06
 SOUNDING 0177
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PD4
1.0		21.30	1.2	324	8.590	89.0	8.73	
4.0		21.31	1.0	321	8.580	90.0	8.76	
7.0		21.30	1.1	320	8.600	90.0	8.82	
10.0		21.30	1.0	318	8.570	91.0	8.73	
13.0		21.29	0.9	322	8.580	90.0	8.62	
16.0		20.59	1.3	320	8.490	90.0	7.98	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.112	200E00	000E00	000E00	600E01	100E02
4.0	0.102					
7.0	0.100	100E00				
10.0	0.103					
13.0	0.100					
16.0	0.089	500E00	000E00	000E00	180E02	160E02

C-REF-NO 105
 CONS. NO 115
 COUNTRY 18
 INSTITUTE 22

LAT 41-37-00N
 LON 081-33-51W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 0628

NO. DEPTHS 04
 SOUNDING 0137
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		21.60	1.0	321	8.490	89.0	8.43	
4.0		21.60	1.3	328	8.520	88.0	8.46	
7.0		21.56	1.1	328	8.520	88.0	8.20	
10.0		21.55	1.1	326	8.500	89.0	8.26	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.145	000E00	000E00	000E00	200E02	700E01
4.0	0.143					
7.0	0.143	000E00				
10.0	0.144	000E00	000E00	000E00	280E02	230E02

C-REF-NO 105
 CONS. NO 116
 COUNTRY 18
 INSTITUTE 22

LAT 41-34-54N
 LON 081-36-24W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 0803

NO. DEPTHS 04
 SCUNDING 0137
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		21.74	1.6	324	8.440	89.0	7.77	0.055
4.0		21.73	1.6	323	8.480	89.0	7.64	0.055
7.0		21.73	1.6	323	8.430	89.0	6.90	0.053
10.0		21.63	1.7	322	8.470	89.0	7.84	0.040

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.140	400E01	000E00	000E00	240E02	380E02
4.0	0.129					
7.0	0.129	200E01				
10.0	0.112	600E01	000E00	000E00	340E02	230E02

C-REF-NO 105
 CONS. NO 117
 COUNTRY 18
 INSTITUTE 22

LAT 41-37-15N
 LON 081-37-48W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 0835

NO. DEPTHS 06
 SOUNDING 0177
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		21.01	1.1	317	8.630	89.0	8.87	
4.0		21.03	1.0	321	8.640	89.0	8.81	
7.0		21.04	1.1	322	8.630	89.0	8.79	
10.0		21.04	1.1	321	8.630	89.0	8.82	
13.0		20.71	0.9	321	8.630	89.0	8.77	
16.0		19.02	1.8	327	8.220	90.0	6.86	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.072	120E01	000E00	900E00	120E02	400E01
4.0	0.071					
7.0	0.070	200E00				
10.0	0.067					
13.0	0.035					
16.0	0.078	400E00	000E00	000E00	460E01	350E02

C-REF-NO 105
 CONS. NO 118
 COUNTRY 18
 INSTITUTE 22

LAT 41-39-24N
 LON 081-40-09W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 0923

NO. DEPTHS 07
 SOUNDING 0210
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.49	0.5	325	8.600		9.05	0.011
4.0		20.51	0.4	320	8.540		8.99	
7.0		20.49	0.4	321	8.590		8.87	0.010
10.0		20.51	0.4	322	8.610	91.0	8.96	0.008
13.0		17.85	0.4	324	8.270	91.0	7.66	0.010
16.0		12.55	0.9	338	7.620	95.0	3.37	0.052
19.0		12.10	1.0	339	7.590	95.0	2.72	0.073

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		000E00	000E00	000E00	900E01	170E02
4.0						
7.0		000E00				
10.0	0.059					
13.0	0.064					
16.0	0.115					
19.0	0.132	000E00	000E00	000E00	250E02	110E02

C-REF-NO 105
 CONS. NO 119
 COUNTRY 18
 INSTITUTE 22

LAT 41-37-09N
 LON 081-41-36W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 1014

NO. DEPTHS 06
 SOUNDING 0186
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0		20.33	0.4	323	8.570	89.0	8.74	
4.0		20.32	0.3	322	8.610	89.0	8.87	
7.0		20.32	0.3	324	8.610	89.0	9.46	
10.0		20.32	0.4	323	8.620	89.0	8.81	
13.0		20.30	0.4	323	8.610	89.0	8.98	
16.0		14.88	1.0	339	7.700	94.0	3.63	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.027	000E00	000E00	000E00	100E02	800E01
4.0	0.026					
7.0	0.027	000E00				
10.0	0.027					
13.0	0.028					
16.0	0.084	000E00	000E00	000E00	400E01	200E01

C-REF-NO 105
 CONS. NO 120
 COUNTRY 18
 INSTITUTE 22

LAT 41-34-39N
 LON 081-38-51W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 1051

NO. DEPTHS 05
 SOUNDING 0158
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	4.0	21.20	1.0	321	8.520	89.0	8.67	0.021
4.0		21.20	1.0	318	8.610	90.0	8.73	0.022
7.0		21.18	1.0	319	8.610	89.0	8.70	0.022
10.0		21.19	1.0	320	8.690	89.0	8.62	0.024
13.0		20.99	1.2	320	8.620	89.0	8.82	0.027

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.091	000E00	000E00	000E00	120E02	110E02
4.0	0.091					
7.0	0.088	000E00				
10.0	0.086					
13.0	0.066	200E00	000E00	000E00	170E02	100E02

C-REF-NO 105
CONS. NO 121
COUNTRY 18
INSTITUTE 22

LAT 41-32-06N
LON 081-40-03W

YEAR 1967
MONTH 07
DAY 16
TIME 1127

NO. DEPTHS 04
SOUNDING 0132
BT SLIDE NO 006

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	4.0	21.60	1.3	320	8.590	91.0	8.48	0.031
4.0		21.59	1.1	318	8.590	92.0	8.70	0.027
7.0		21.58	1.1	320	8.570	90.0	8.54	0.033
10.0		21.60	1.4	321	8.580	90.0	8.51	0.031

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.120	200E01	000E00	000E00	100E02	170E02
4.0	0.125					
7.0	0.126	000E00				
10.0	0.120	100E02	000E00	100E00	400E01	400E01

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	182.0	91.8	27.2	38.000	7.900	1.300	12.000
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	0.000	0.700	0.002	0.002	0.014
4.0								
7.0								
10.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.002	0.175	0.010	5	25.3	127.4	2.2
4.0							1.4
7.0							2.7
10.0							1.7

C-REF-NO 105
 CONS. NO 122
 COUNTRY 18
 INSTITUTE 22

LAT 41-34-36N
 LON 081-43-57W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 1218

NO. DEPTHS 06
 SOUNDING 0180
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	6.0	20.61	0.6	318	8.620	86.0	8.96	
4.0		20.60	0.6	319	8.620	86.0	8.93	
7.0		20.59	0.6	316	8.570	86.0	9.10	
10.0		20.56	0.5	316	8.590	87.0	8.95	
13.0		20.64	1.0	316	8.610	86.0	9.05	
16.0		18.61	3.1	320	7.830	89.0	4.77	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.067	450E01	000E00	000E00	110E02	170E02
4.0	0.063					
7.0	0.062	000E00				
10.0	0.062					
13.0	0.059					
16.0	0.128	800E01	000E00	100E00	460E02	440E02

C-REF-NO 105
 CONS. NO 123
 COUNTRY 18
 INSTITUTE 22

LAT 41-37-18N
 LON 081-45-09W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 1305

NO. DEPTHS 06
 SOUNDING 0180
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	6.0	20.10	0.6	319	8.490	88.0	9.02	0.010
4.0		20.09	0.5	320	8.530	88.0	8.93	0.004
7.0		20.07	0.5	322	8.530	88.0	8.93	0.006
10.0		20.05	0.4	320	8.530	89.0	8.84	0.006
13.0		17.61	0.5	320	8.300	89.0	7.97	0.010
16.0		12.52	0.9	332	7.790	93.0	3.54	0.029

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.049	700E00	000E00	000E00	540E01	660E01
4.0	0.049					
7.0	0.047	000E00		100E00		
10.0	0.048					
13.0	0.030					
16.0	0.096	000E00	000E00	000E00	550E02	200E02

C-REF-NO 105
CONS. NO 124
COUNTRY 18
INSTITUTE 22

LAT 41-30-18N
LON 081-42-48W

YEAR 1967
MONTH 07
DAY 16
TIME 1456

NO. DEPTHS 04
SOUNDING 0119
BT SLIDE NO 007

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	0.5		50.0	748	7.160	90.0	2.00	
4.0			55.0	755	7.070	90.0	1.40	
7.0			40.0	555	7.390	91.0	3.56	
10.0			12.0	504	7.470	92.0	3.11	0.125

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.084	110E04	160E03	190E02	400E04	600E05
4.0	0.069					
7.0	0.113	100E04	300E03	400E01	600E04	400E05
10.0	0.146					

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	474.0	62.3	105.5	62.000	11.700	6.500	73.000
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	0.001	0.000	0.000	0.008	4.700	0.008	0.012	0.290
4.0								
7.0								
10.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.020	0.270	0.059	5	145.0	203.0	3.7
4.0							2.5
7.0							2.3
10.0							1.7

C-REF-NO 105
 CONS. NO 125
 COUNTRY 18
 INSTITUTE 22

LAT 41-40-03N
 LON 081-47-18W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 1626

NO. DEPTHS 06
 SOUNDING 0202
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	8.0	20.36	0.7	333	8.490	88.0	8.54	0.010
4.0		20.35	0.7	323	8.390	88.0	8.63	0.006
7.0		20.12	0.7	325	8.440	88.0	8.56	0.011
10.0		20.11	0.7	324	8.420	88.0	8.54	0.008
13.0		20.10	0.6	323	8.410	88.0	8.70	0.010
16.0		10.63	0.8	335	7.550	93.0	3.49	0.033

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.070	160E01	000E00	000E00	440E02	240E02
4.0	0.068					
7.0	0.067	000E00				
10.0	0.067					
13.0	0.066					
16.0	0.094	100E00	000E00	000E00	550E02	320E02

C-REF-NO 105
 CONS. NO 126
 COUNTRY 18
 INSTITUTE 22

LAT 41-35-03N
 LON 081-47-27W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 1716

NO. DEPTHS 06
 SOUNDING 0194
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	6.0	20.98	0.7	319	8.590	88.0	9.09	
4.0		20.69	0.7	317	8.590	89.0	9.26	
7.0		20.39	0.7	318	8.620	88.0	9.13	
10.0		20.29	0.5	319	8.580	89.0	8.76	
13.0		20.21	0.6	319	8.580	88.0	8.76	
16.0		14.34	1.3	341	7.740	94.0	2.05	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.085	000E00	000E00	000E00	500E01	400E01
4.0	0.075					
7.0	0.055	100E00				
10.0	0.035					
13.0	0.036					
16.0	0.107	000E00	000E00	000E00	260E02	230E02

C-REF-NO 105
 CONS. NO 127
 COUNTRY 18
 INSTITUTE 22

LAT 41-32-03N
 LON 081-45-39W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 1760

NO. DEPTHS 05
 SOUNDING 0150
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	5.0	21.72	0.9	317	8.480	87.0	8.45	
4.0		21.40	1.1	316	8.510	87.0	8.54	
7.0		21.32	0.9	318	8.470	87.0	8.37	
10.0		21.26	1.0	317	8.440	87.0	8.22	
13.0		21.20	0.9	316	8.300	89.0	8.17	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.146	000E00	000E00	000E00	200E01	400E01
4.0	0.142					
7.0	0.144	100E00	000E00	000E00	400E01	700E01
10.0	0.148					
13.0	0.143					

C-REF-NO 105
 CONS. NO 128
 COUNTRY 18
 INSTITUTE 22

LAT 41-30-18N
 LON 081-45-00W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 1830

NO. DEPTHS 04
 SOUNDING 0115
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	3.5	22.09	1.5	319	8.530	87.0	8.46	0.024
4.0		21.79	1.6	316	8.580	87.0	8.22	0.035
7.0		21.66	1.9	320	8.570	88.0	7.77	0.070
10.0		21.57	2.1	322	8.530	88.0	7.81	0.065

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.110	000E00	200E00	000E00	300E02	200E02
4.0	0.102					
7.0	0.088	100E01				
10.0	0.083	400E01	100E01	000E00	700E02	320E03

C-REF-NO 105
 CONS. NO 129
 COUNTRY 18
 INSTITUTE 22

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

YEAR 1967
 MONTH 07
 DAY 16
 TIME 1916

NO. DEPTHS 04
 SOUNDING 0140
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	5.0	21.93	0.9	314	8.530	88.0	8.40	
4.0		21.61	1.2	313	8.530	88.0	8.40	
7.0		21.54	1.1	314	8.500	88.0	8.18	
10.0		21.52	0.9	314	8.500	88.0	8.17	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.132	200E00	000E00	000E00	300E02	200E02
4.0	0.130					
7.0	0.131	200E00				
10.0	0.136	000E00	000E00	000E00	200E02	200E02

C-REF-NO 105
 CONS. NO 130
 COUNTRY 18
 INSTITUTE 22

LAT 41-32-09N
 LON 081-49-39W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 1947

NO. DEPTHS 05
 SOUNDING 0160
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	4.5	22.00	0.9	314	8.560	89.0	8.48	0.012
4.0		21.59	1.0	314	8.370	90.0	8.25	0.018
7.0		21.52	1.1	314	8.540	88.0	8.04	0.016
10.0		21.50	1.0	313	8.520	88.0	8.06	0.010
13.0		21.43	1.0	316	8.510	88.0	8.11	0.013

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.126	000E00	000E00	000E00	800E01	700E01
4.0	0.124					
7.0	0.122	000E00				
10.0	0.121					
13.0	0.124	000E00	000E00	000E00	140E02	170E02

C-REF-NO 105
 CONS. NO 131
 COUNTRY 18
 INSTITUTE 22

LAT 41-29-45N
 LON 081-51-51W
 YEAR 1967
 MONTH 07
 DAY 16
 TIME 2029

NO. DEPTHS 04
 SCUNDING 0110
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	2.8	22.44	1.9	313	8.640	88.0	8.36	
4.0		22.24	2.7	315	8.680	87.0	8.57	
7.0		21.83	3.1	315	8.590	87.0	7.94	
10.0		21.79	2.5	315	8.530	87.0	7.84	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.084	000E00	000E00	000E00	200E02	100E02
4.0	0.080					
7.0	0.097	000E00				
10.0	0.105	000E00	000E00	000E00	300E02	120E03

C-REF-NO 105
 CONS. NO 132
 COUNTRY 18
 INSTITUTE 22

LAT 41-30-30N
 LON 081-55-57W
 YEAR 1967
 MONTH 07
 DAY 16
 TIME 2106

NO. DEPTHS 04
 SCUNDING 0110
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	2.0	22.64	2.0	315	8.720	88.0	8.67	0.039
4.0		21.88	2.7	315	8.710	88.0	8.82	0.018
7.0		21.79	2.5	315	8.640	88.0	8.20	0.017
10.0		21.78	2.7	315	8.610	88.0	8.01	0.022

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.095	000E00	000E00	000E00	900E01	700E01
4.0	0.093					
7.0	0.094	000E00				
10.0	0.094	000E00	000E00	000E00	700E01	500E01

C-REF-NO 105
 CONS. NO 133
 COUNTRY 18
 INSTITUTE 22

LAT 41-32-24N
 LON 081-54-00W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 2141

NO. DEPTHS 05
 SOUNDING 0160
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	5.0	22.16	1.1	315	8.650	84.0	9.05	
4.0		21.37	1.0	315	8.570	84.0	8.67	
7.0		21.27	1.1	317	8.500	84.0	8.53	
10.0		21.24	1.1	316	8.460	85.0	8.14	
13.0		21.21	1.1	316	8.470	84.0	8.14	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.155	000E00	000E00	000E00	400E01	500E01
4.0	0.144					
7.0	0.141	000E00				
10.0	0.140					
13.0	0.141	000E00	000E00	000E00	200E01	400E01

C-REF-NO 105
 CONS. NO 134
 COUNTRY 18
 INSTITUTE 22

LAT 41-34-36N
 LON 081-53-03W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 2214

NO. DEPTHS 06
 SOUNDING 0172
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	6.0	21.30	1.0	319	8.660	83.0	9.32	0.004
4.0		21.04	0.9	317	8.680	83.0	9.46	0.005
7.0		20.69	0.8	317	8.670	84.0	9.26	0.005
10.0		20.64	0.7	315	8.540	83.0	9.27	0.004
13.0		20.63	0.8	315	8.580	83.0	8.88	0.004
16.0		13.96	1.5	337	7.740	94.0	2.07	0.125

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.075	000E00	000E00	000E00	900E01	140E02
4.0	0.074					
7.0	0.076	000E00				
10.0	0.073					
13.0	0.073					
16.0	0.147	100E00	000E00	200E00	360E02	140E02

C-REF-NO 105
 CONS. NO 135
 COUNTRY 18
 INSTITUTE 22

LAT 41-40-12N
 LON 081-54-57W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 2307

NO. DEPTHS 07
 SOUNDING 0218
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R PO4
1.0	9.5	21.19	0.8	327	8.590	82.0	9.26	
4.0		20.46	0.7	326	8.630	82.0	9.33	
7.0		19.95	0.8	325	8.630	86.0	9.36	
10.0		19.90	0.8	325	8.580	86.0	9.13	
13.0		19.89	0.7	327	8.580	84.0	8.98	
16.0		10.64	0.8	330	7.790	92.0	4.27	
19.0		10.60	1.1	332	7.650	93.0	3.98	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.019	100E00	000E00	000E00	900E01	460E02
4.0	0.019					
7.0	0.021	000E00				
10.0	0.022					
13.0	0.022					
16.0	0.084					
19.0	0.086	000E00	000E00	000E00	200E02	100E02

C-REF-NO 105
 CONS. NO 136
 COUNTRY 18
 INSTITUTE 22

LAT 41-35-36N
 LON 081-59-18W

YEAR 1967
 MONTH 07
 DAY 16
 TIME 2354

NO. DEPTHS 06
 SOUNDING 0175
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R PO4
1.0	6.0	22.07	0.9	320	8.570	85.0	9.21	
4.0		21.25	0.8	320	8.630	85.0	9.50	
7.0		20.73	0.9	321	8.590	86.0	9.29	
10.0		20.62	0.7	322	8.560	86.0	8.90	
13.0		20.63	0.9	321	8.520	86.0	8.85	
16.0		14.11	1.4	337	7.600	94.0	2.07	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.112	000E00		000E00	180E01	170E01
4.0	0.127					
7.0	0.124	000E00				
10.0	0.132					
13.0	0.132					
16.0	0.176	000E00		000E00	770E02	600E02

C-REF-NO 105
 CONS. NO 137
 COUNTRY 18
 INSTITUTE 22

LAT 41-35-36N
 LON 082-07-15W

YEAR 1967
 MONTH 07
 DAY 17
 TIME 0057

NO. DEPTHS 06
 SOUNDING 0170
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	5.0	21.30	1.0	318	8.590	85.0	9.55	0.002
4.0		21.05	0.9	318	8.610	86.0	9.46	0.004
7.0		20.88	0.8	305	8.570	87.0	9.05	0.004
10.0		20.67	0.9	315	8.490	86.0	8.39	0.006
13.0		20.03	0.9	315	8.490	85.0	8.60	0.013
16.0		14.58	1.5	332	7.670	95.0	2.36	0.013

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.122	200E00		000E00	120E02	160E02
4.0	0.134					
7.0	0.144	000E00				
10.0	0.141					
13.0	0.123					
16.0	0.202	100E00		000E00	540E01	500E01

C-REF-NO 105
 CONS. NO 138
 COUNTRY 18
 INSTITUTE 22

LAT 41-31-18N
 LON 082-04-45W

YEAR 1967
 MONTH 07
 DAY 17
 TIME 0147

NO. DEPTHS 04
 SOUNDING 0128
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		22.35	1.4	314	8.630	87.0	9.41	
4.0		22.22	1.5	314	8.690	87.0	9.19	
7.0		21.84	1.8	315	8.530	87.0	7.89	
10.0		21.82	2.3	316	8.520	87.0	7.86	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.118	320E01		000E00	220E02	680E01
4.0	0.106					
7.0	0.102	000E00				
10.0	0.100	200E00		100E00	250E02	360E01

C-REF-NO 105
 CONS. NO 139
 COUNTRY 18
 INSTITUTE 22

LAT 41-29-57N
 LON 082-12-51W

YEAR 1967
 MONTH 07
 DAY 17
 TIME 0244

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		22.16	1.2	311	8.670	85.0	9.36	
4.0		21.53	1.2	312	8.680	83.0	9.13	
7.0		21.72	1.4	314	8.620		8.46	
10.0		21.80	1.7	314	8.570	84.0	8.53	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.108	100E00	200E00	000E00	230E02	300E01
4.0	0.101					
7.0	0.104	000E00				
10.0	0.104	000E00	000E00	000E00	200E02	600E01

C-REF-NO 105
 CONS. NO 140
 COUNTRY 18
 INSTITUTE 22

LAT 41-31-06N
 LON 082-19-48W

YEAR 1967
 MONTH 07
 DAY 17
 TIME 0346

NO. DEPTHS 04
 SOUNDING 0134
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		21.95	0.8	311	8.530	83.0	8.87	
4.0		21.82	0.8	307	8.520	82.0	8.71	
7.0		21.34	1.0	310	8.480	82.0	8.04	
10.0		21.29	0.8	310	8.430	88.0	7.95	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.219	000E00		000E00	140E02	600E01
4.0	0.298					
7.0	0.304	000E00				
10.0	0.297	000E00		000E00	600E01	800E00

C-REF-NO 105
 CONS. NO 141
 COUNTRY 18
 INSTITUTE 22

LAT 41-26-39N
 LON 082-24-21W
 YEAR 1967
 MONTH 07
 DAY 17
 TIME 0441

NO. DEPTHS 04
 SOUNDING 0117
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		22.17	1.8	316	8.430	95.0	7.45	0.082
4.0		22.16	1.7	317	8.390	92.0	7.36	0.084
7.0		21.76	1.4	316	8.330	91.0	6.93	0.068
10.0		21.73	1.5	316	8.310	91.0		0.075

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.082	200E00		000E00	200E02	160E02
4.0	0.071					
7.0	0.072	300E00				
10.0	0.068	200E00		000E00	300E02	150E02

C-REF-NO 105
 CONS. NO 142
 COUNTRY 18
 INSTITUTE 22

LAT 41-25-51N
 LON 082-32-54W
 YEAR 1967
 MONTH 07
 DAY 17
 TIME 0535

NO. DEPTHS 04
 SOUNDING 0112
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		21.80	2.3	316	8.280	91.0	6.69	
4.0		21.80	2.2	317	8.280	89.0	6.55	
7.0		21.72	2.5	316	8.260	91.0	6.40	
10.0		21.53	2.3	316	8.130	92.0	5.75	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.080	000E00		000E00	100E02	600E01
4.0	0.073					
7.0	0.075	000E00				
10.0	0.084	000E00		000E00	200E02	100E01

C-REF-NO 105
 CONS. NO 143
 COUNTRY 18
 INSTITUTE 22

LAT 41-31-27N
 LON 082-27-39W

YEAR 1967
 MONTH 07
 DAY 17
 TIME 0634

NO. DEPTHS 05
 SOUNDING 0140
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		21.53	1.0	307	8.530	93.0	8.63	
4.0		21.49	1.0	307	8.510	95.0	8.65	
7.0		21.01	1.0	310	8.400	94.0	7.53	
10.0		21.00	0.9	313	8.330	95.0	7.36	
13.0		20.97	1.0	313	8.330	96.0	7.53	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.127	200E00		000E00	130E02	500E01
4.0	0.118					
7.0	0.116	000E00				
10.0	0.127					
13.0	0.132	000E00		000E00	110E02	400E01

C-REF-NO 105
 CONS. NO 144
 COUNTRY 18
 INSTITUTE 22

LAT 41-31-45N
 LON 082-35-30W

YEAR 1967
 MONTH 07
 DAY 17
 TIME 0747

NO. DEPTHS 04
 SOUNDING 0135
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		21.73	1.7	310	8.430	96.0	7.63	0.031
4.0		21.72	1.7	309	8.430	96.0	7.81	0.043
7.0		21.36	1.5	308	8.380	96.0	7.47	0.051
10.0		21.12	1.5	307	8.330	97.0	7.02	0.052

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.101	000E00		000E00	200E02	200E01
4.0	0.098					
7.0	0.106	000E00				
10.0	0.097	400E00		000E00	200E02	300E01

C-REF-NO 105
 CONS. NO 145
 COUNTRY 18
 INSTITUTE 22

LAT 41-36-48N
 LON 082-38-51W
 YEAR 1967
 MONTH 07
 DAY 17
 TIME 0837

NO. DEPTHS 04
 SOUNDING 0135
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		22.14	1.9	299	8.450	99.0	7.86	
4.0		22.13	2.2	300	8.480	95.0	7.87	
7.0		22.10	2.1	299	8.490	96.0	7.83	
10.0		21.41	2.9	302	8.280	96.0	6.51	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.116	200E00	000E00	000E00	200E02	150E02
4.0	0.089					
7.0	0.093	000E00				
10.0	0.101	500E00	000E00	000E00	200E02	170E02

C-REF-NO 105
 CONS. NO 146
 COUNTRY 18
 INSTITUTE 22

LAT 41-36-51N
 LON 082-31-06W
 YEAR 1967
 MONTH 07
 DAY 17
 TIME 0927

NO. DEPTHS 04
 SOUNDING 0135
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		21.40	1.5	306	8.340	94.0	7.22	
4.0		21.38	1.3	306	8.380	94.0	7.24	
7.0		21.33	1.5	307	8.370	93.0	7.24	
10.0		21.12	1.3	308	8.410	97.0	7.17	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.095	000E00		000E00	150E02	150E02
4.0	0.098					
7.0	0.092	000E00				
10.0	0.088	100E00		000E00	150E02	600E01

C-REF-NO 105
 CONS. NO 147
 COUNTRY 18
 INSTITUTE 22

LAT 41-36-12N
 LON 082-23-51W

YEAR 1967
 MONTH 07
 DAY 17
 TIME 1019

NO. DEPTHS 05
 SOUNDING 0156
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0		21.21	0.9	311	8.560	96.0	9.05	
4.0		21.19	1.1	305	8.490	95.0	9.10	
7.0		21.15	1.0	306	8.520	95.0	8.56	
10.0		20.87	0.9	306	8.430	99.0	8.18	
13.0		20.85	0.9	306	8.410	99.0	8.12	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.133	000E00		000E00	240E02	300E01
4.0	0.136					
7.0	0.126	000E00				
10.0	0.135					
13.0	0.131	000E00		000E00	200E02	140E02

C-REF-NO 105
 CONS. NO 148
 COUNTRY 18
 INSTITUTE 22

LAT 41-41-45N
 LON 082-27-03W

YEAR 1967
 MONTH 07
 DAY 17
 TIME 1116

NO. DEPTHS 04
 SOUNDING 0133
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	4.5	20.90	0.9	306	8.520	82.0	8.63	0.023
4.0		20.89	0.8	306	8.520	84.0	8.74	0.025
7.0		20.84	0.9	306	8.510	84.0	9.05	0.029
10.0		20.62	0.9	307	8.480	84.0	8.39	0.029

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.153	000E00		000E00	200E02	120E02
4.0	0.140					
7.0	0.141	100E00				
10.0	0.140	000E00		000E00	150E02	900E01

C-REF-NO 105
 CONS. NO 149
 COUNTRY 18
 INSTITUTE 22

LAT 41-42-03N
 LON 082-35-00W
 YEAR 1967
 MONTH 07
 DAY 17
 TIME 1214

NO. DEPTHS 04
 SOUNDING 0125
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	3.0	21.28	2.2	307	8.320	84.0	6.99	
4.0		21.26	2.0	307	8.300	84.0	7.04	
7.0		21.24	2.1	308	8.310	84.0	6.91	
10.0		21.10	2.4	308	8.280	84.0	6.37	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.102	000E00		000E00	150E02	700E01
4.0	0.105					
7.0	0.093	000E00				
10.0	0.076	000E00		000E00	200E02	100E02

C-REF-NO 105
 CONS. NO 150
 COUNTRY 18
 INSTITUTE 22

LAT 41-48-24N
 LON 082-30-18W
 YEAR 1967
 MONTH 07
 DAY 17
 TIME 1321

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	3.0	21.50	1.5	295	8.600	83.0	8.82	
4.0		21.47	1.6	291	8.630	83.0	8.98	
7.0		21.35	1.7	291	8.580	83.0	8.39	
10.0		20.80	1.0	298	8.230	83.0	7.35	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.088	000E00		000E00	100E02	900E01
4.0	0.086					
7.0	0.087	000E00				
10.0	0.059	200E00		000E00	230E02	120E02

C-REF-NO 105
 CONS. NO 151
 COUNTRY 18
 INSTITUTE 22

LAT 41-54-27N
 LON 082-34-27W

YEAR 1967
 MONTH 07
 DAY 17
 TIME 1514

NO. DEPTHS 04
 SOUNDING 0115
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	3.0	21.73	1.8	282	8.230	81.0	7.53	0.107
4.0		21.42	1.8	283	8.200	81.0	7.35	0.116
7.0		21.38	2.1	283	8.190	82.0	7.25	0.100
10.0		21.06	4.5	291	8.170	81.0	6.72	0.098

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.062	000E00		000E00	120E02	700E01
4.0	0.053					
7.0	0.054	000E00				
10.0	0.070	100E00		000E00	400E02	100E02

C-REF-NO 105
 CONS. NO 152
 COUNTRY 18
 INSTITUTE 22

LAT 41-54-21N
 LON 082-41-00W

YEAR 1967
 MONTH 07
 DAY 17
 TIME 1604

NO. DEPTHS 04
 SOUNDING 0115
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	3.0	22.01	1.5	282	8.180	88.0	7.07	
4.0		21.61	1.6	280	8.130	88.0	7.63	
7.0		21.58	1.6	285	8.120	89.0	7.30	
10.0		21.53	2.0	281	8.140	88.0	8.70	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.111	000E00		000E00	300E02	280E02
4.0						
7.0	0.066	000E00				
10.0	0.093	000E00		000E00	100E02	400E01

C-REF-NO 105
 CONS. NO 153
 COUNTRY 18
 INSTITUTE 22

LAT 41-59-09N
 LON 082-36-09W

YEAR 1967
 MONTH 07
 DAY 17
 TIME 1659

NO. DEPTHS 03
 SOUNDING 0098
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	3.3	22.11	1.8	280	8.130	87.0	7.05	
4.0		21.38	1.8	282	8.110	88.0	6.94	
7.0		21.17	2.2	283	8.060	87.0	6.60	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.040	000E00		000E00	300E02	220E02
4.0	0.042					
7.0	0.046	000E00		000E00	300E02	250E02

C-REF-NO 105
 CONS. NO 154
 COUNTRY 18
 INSTITUTE 22

LAT 41-59-30N
 LON 082-44-57W

YEAR 1967
 MONTH 07
 DAY 17
 TIME 1810

NO. DEPTHS 03
 SOUNDING 0091
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	2.0	22.00	2.4	277	8.200	88.0	6.86	0.103
4.0		21.38	2.7	277	8.180	88.0	6.80	0.111
7.0		21.20	2.6	279	8.130	88.0	6.38	0.115

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.028					
4.0	0.031					
7.0	0.036					

C-REF-NO 105
 CONS. NO 155
 COUNTRY 18
 INSTITUTE 22

LAT 41-54-27N
 LON 082-49-03W

YEAR 1967
 MONTH 07
 DAY 17
 TIME 1906

NO. DEPTHS 04
 SOUNDING 0122
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	3.0	21.89	2.8	267	8.340	84.0	8.18	
4.0		21.28	3.1	267	8.320	85.0	7.31	
7.0		21.19	3.0	267	8.220	85.0	6.83	
10.0		21.18	3.9	268	8.220	86.0	6.74	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.045	000E00		000E00	100E02	200E01
4.0	0.042					
7.0		000E00				
10.0		100E00		000E00	150E02	400E01

C-REF-NO 105
CONS. NO 156
COUNTRY 18
INSTITUTE 22

LAT 41-55-03N
LON 082-57-15W

YEAR 1967
MONTH 07
DAY 17
TIME 2002

NO. DEPTHS 04
SOUNDING 0107
BT SLIDE NO 008

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	2.5	20.92	2.3	255	8.470	84.0	9.32	0.020
4.0		20.84	2.4	255	8.450	84.0	9.10	0.021
7.0		20.71	2.3	255	8.330	84.0	7.81	0.027
10.0		20.68	3.6	256	8.270	85.0	7.72	0.034

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.138	300E00	100E01	000E00	300E02	300E02
4.0	0.130					
7.0	0.138	100E00				
10.0	0.131	100E00	000E00	000E00	300E02	150E02

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	144.0	82.1	18.8	30.800	7.100	1.000	6.400
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	0.008	0.090	0.002	0.002	0.016
4.0								
7.0								
10.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.002	0.130	0.008	5	14.5	106.2	2.6
4.0							2.1
7.0							2.0
10.0							3.1

C-REF-NO 105
 CONS. NO 157
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-39N
 LON 083-04-24W

YEAR 1967
 MONTH 07
 DAY 17
 TIME 2108

NO. DEPTHS 03
 SOUNDING 0094
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	1.8	20.54	3.1	240	8.350	82.0	8.50	
4.0		19.66	3.1	241	8.380	82.0	8.39	
7.0		19.25	2.5	241	8.320	82.0	7.79	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.148	140E01	200E00	000E00	300E02	280E02
4.0	0.149					
7.0	0.148	670E01	200E01	000E00	120E02	170E02

C-REF-NO 105
 CONS. NO 158
 COUNTRY 18
 INSTITUTE 22

LAT 41-53-24N
 LON 083-11-57W

YEAR 1967
 MONTH 07
 DAY 17
 TIME 2200

NO. DEPTHS 03
 SOUNDING 0085
 BT SLIDE NO 009

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	1.5	21.76	3.6	283	8.880	86.0	11.37	0.086
4.0		21.18	3.7	282	8.830	87.0	10.89	0.070
7.0		20.28	3.5	273	8.430	86.0	8.00	0.102

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.086	700E00	200E00	000E00	400E02	380E02
4.0	0.093					
7.0	0.120	400E00	400E00	000E00	600E02	490E02

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	158.0	86.9	21.2	33.200	7.500	1.300	12.200
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	0.006	0.103	0.004	0.002	0.015
4.0								
7.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.004	0.130	0.008	5	24.5	113.8	5.2
4.0							4.5
7.0							2.5

C-REF-NO 105
CONS. NO 159
COUNTRY 18
INSTITUTE 22

LAT 41-42-00N
LON 083-27-36W

YEAR 1967
MONTH 07
DAY 18
TIME 0032

NO. DEPTHS 03
SOUNDING 0098
BT SLIDE NO 010

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	0.5		12.5	478	8.280	122.0	6.02	
4.0			12.0	477	8.180	119.0	6.13	
7.0			11.0	459	8.050	118.0	6.00	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.106	800E02	160E01	400E00	300E04	100E05
4.0	0.093					
7.0	0.071	200E02	800E00	400E00	200E04	250E04

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	285.0	121.7	66.4	50.000	14.100	2.800	20.000
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	0.009	0.800	0.008	0.004	0.065
4.0								
7.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.012	0.560	0.012	5	30.0	182.9	4.4
4.0							4.4
7.0							4.4

C-REF-NO 105
CONS. NO 160
COUNTRY 18
INSTITUTE 22

LAT 41-49-18N
LON 083-08-27W

YEAR 1967
MONTH 07
DAY 18
TIME 0241

NO. DEPTHS 03
SOUNDING 0098
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		21.33	3.4	263	8.380	86.0	8.09	
4.0		21.32	2.5	261	8.440	86.0	8.11	
7.0		21.29	2.5	262	8.420	87.0	8.09	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.074	400E00	200E00	000E00	600E02	400E02
4.0	0.076					
7.0	0.079	400E00	000E00	000E00	160E02	200E02

C-REF-NO 105
 CONS. NO 161
 COUNTRY 18
 INSTITUTE 22

LAT 41-44-51N
 LON 083-04-48W

YEAR 1967
 MONTH 07
 DAY 18
 TIME 0353

NO. DEPTHS 03
 SOUNDING 0082
 BT SLIDE NO 011

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		21.39	4.3	293	8.190	89.0	7.56	0.130
4.0		21.62	4.1	293	8.190	90.0	7.59	0.130
7.0		21.74	4.5	294	8.170	89.0	7.57	0.130

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.065	000E00	000E00	000E00	600E01	200E02
4.0	0.066					
7.0	0.067	000E00	000E00	000E00	110E02	240E02

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	168.0	89.3	23.6	34.800	7.800	1.300	10.400
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	0.007	0.450	0.005	0.002	0.018
4.0								
7.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.004	0.145	0.016	5	20.5	119.0	1.9
4.0							2.0
7.0							1.2

C-REF-NO 105
 CONS. NO 162
 COUNTRY 18
 INSTITUTE 22

LAT 41-49-42N
 LON 083-01-18W

YEAR 1967
 MONTH 07
 DAY 18
 TIME 0508

NO. DEPTHS 03
 SOUNDING 0110
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		21.26	2.8	268	8.540	84.0	8.70	
4.0		21.26	2.5	266	8.520	85.0	8.62	
7.0		21.21	2.5	265	8.520	84.0	8.62	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.068	100E00	000E00	000E00	175E02	200E02
4.0	0.071					
7.0	0.071	100E00	000E00	000E00	110E02	200E02

C-REF-NO 105
 CONS. NO 163
 COUNTRY 18
 INSTITUTE 22

LAT 41-49-48N
 LON 082-53-30W

YEAR 1967
 MONTH 07
 DAY 18
 TIME 0614

NO. DEPTHS 04
 SOUNDING 0119
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0		21.25	3.3	257	8.480	78.0	7.81	0.021
4.0		21.23	2.8	258	8.500	83.0	7.89	0.022
7.0		21.22	2.8	256	8.490	82.0	7.82	0.019
10.0		21.14	4.0	256	8.450	82.0	7.40	0.029

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.063	000E00	000E00	000E00	220E02	200E02
4.0	0.061					
7.0	0.063	000E00				
10.0	0.063	000E00	000E00	000E00	330E02	220E02

C-REF-NO 105
 CONS. NO 164
 COUNTRY 18
 INSTITUTE 22

LAT 41-44-51N
 LON 082-58-30W

YEAR 1967
 MONTH 07
 DAY 18
 TIME 0708

NO. DEPTHS 03
 SOUNDING 0107
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0		21.48	2.5	275	8.270	84.0	6.98	
4.0		21.47	2.9	273	8.310	84.0	6.96	
7.0		21.45	3.2	272	8.330	92.0	6.90	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.039	600E00		000E00	170E02	160E02
4.0	0.047					
7.0	0.031	000E00		000E00	150E02	120E02

C-REF-NO 105
 CONS. NO 165
 COUNTRY 18
 INSTITUTE 22

LAT 41-41-03N
 LON 082-56-00W

YEAR 1967
 MONTH 07
 DAY 18
 TIME 0751

NO. DEPTHS 03
 SOUNDING 0104
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0		21.68	3.4	280	8.270	89.0	6.91	
4.0		21.67	3.6	279	8.280	89.0	6.98	
7.0		21.67	3.6	281	8.290	90.0	6.98	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.027	100E00		000E00	140E02	120E02
4.0	0.027					
7.0	0.029	600E00		000E00	165E02	120E02

C-REF-NO 105
 CONS. NO 166
 COUNTRY 18
 INSTITUTE 22

LAT 41-44-33N
 LON 082-52-00W

YEAR 1967
 MONTH 07
 DAY 18
 TIME 0837

NO. DEPTHS 03
 SOUNDING 0101
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		21.68	3.5	279	8.320	85.0	6.90	0.072
4.0		21.67	3.0	278	8.310	84.0	6.98	0.072
7.0		21.66	3.1	278	8.310	84.0	6.99	0.074

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.038	100E00		000E00	650E01	500E01
4.0	0.034					
7.0	0.033	400E00		000E00	200E02	140E02

C-REF-NO 105
 CONS. NO 167
 COUNTRY 18
 INSTITUTE 22

LAT 41-49-39N
 LON 082-45-06W

YEAR 1967
 MONTH 07
 DAY 18
 TIME 0942

NO. DEPTHS - 03
 SOUNDING 0100
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		21.55	2.7	271	8.380	87.0	7.13	0.043
4.0		21.54	2.5	267	8.370	87.0	7.24	0.044
7.0		21.53	2.4	268	8.390	88.0	7.21	0.044

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.028	000E00		000E00	110E03	400E02
4.0	0.027					
7.0	0.026	100E00		000E00	880E02	260E02

C-REF-NO 105
 CONS. NO 168
 COUNTRY 18
 INSTITUTE 22

LAT 41-43-24N
 LON 082-44-54W

YEAR 1967
 MONTH 07
 DAY 18
 TIME 1037

NO. DEPTHS 03
 SOUNDING 0107
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0	2.0	21.68	3.2	281	8.420	94.0	7.38	
4.0		21.67	3.1	280	8.410	95.0	7.64	
7.0		21.67	3.2	281	8.410	95.0	7.54	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.048	300E00		000E00	140E02	500E01
4.0	0.049					
7.0	0.047	100E00		000E00	220E02	200E02

C-REF-NO 105
 CONS. NO 169
 COUNTRY 18
 INSTITUTE 22

LAT 41-38-00N
 LON 082-46-12W

YEAR 1967
 MONTH 07
 DAY 18
 TIME 1127

NO. DEPTHS 03
 SOUNDING 0086
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	2.0	21.89	3.7	308	8.350	93.0	6.76	
4.0		21.88	3.8	309	8.340	93.0	6.57	
7.0		21.89	3.9	309	8.340	94.0	6.57	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.067	600E00		000E00	150E02	600E01
4.0	0.065					
7.0	0.065	300E00		000E00	200E02	800E01

C-REF-NO 105
 CONS. NO 170
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W

YEAR 1967
 MONTH 07
 DAY 18
 TIME 1730

NO. DEPTHS 08
 SOUNDING 0250
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0	10.5	21.01	0.6	318	8.560	87.0	9.17	
4.0		20.89	0.6	312	8.600	87.0	9.13	
7.0		20.77	0.5	311	8.630	87.0	9.16	
10.0		20.51	0.9	311	8.640	88.0	9.13	
13.0		19.53	0.5	313	8.520	88.0	8.70	
16.0		15.55	0.5	324	8.090	89.0	7.56	
19.0		9.76	0.7	323	7.700	90.0	6.06	
22.0		9.69	1.6	324	7.640	89.0	5.92	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.011					
4.0	0.013					
7.0	0.015					
10.0	0.013					
13.0	0.015					
16.0	0.010					
19.0	0.028					
22.0	0.028					

C-REF-NO 105
 CONS. NO 171
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W

YEAR 1967
 MONTH 07
 DAY 18
 TIME 1832

NO. DEPTHS 08
 SOUNDING 0229
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0		20.99	0.6	313	8.590	88.0	9.17	
4.0		20.79	0.7	313	8.640	88.0	9.24	
7.0		20.55	0.5	313	8.660	83.0	9.17	
10.0		20.42	0.7	313	8.630	87.0	9.13	
13.0		20.04	0.6	313	8.540	87.0	9.17	
16.0		15.52	0.7	325	7.950	89.0	7.20	
19.0		9.74	0.9	326	7.660	89.0	5.99	
22.0		9.66	0.8	322	7.390	89.0	5.91	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.013					
4.0	0.013					
7.0	0.015					
10.0	0.016					
13.0	0.015					
16.0	0.003					
19.0	0.031					
22.0	0.032					

C-REF-NO 105
 CONS. NO 172
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W

YEAR 1967
 MONTH 07
 DAY 18
 TIME 1932

NO. DEPTHS 08
 SOUNDING 0229
 BT SLIDE NO 012

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0		21.10	0.4	312	8.620	87.0	9.21	
4.0		20.97	0.5	310	8.640	87.0	9.25	
7.0		20.62	0.5	311	8.640	87.0	9.21	
10.0		20.48	0.4	312	8.640	88.0	9.16	
13.0		20.10	0.4	311	8.620	88.0	8.62	
16.0		17.38	0.5	323	8.290	90.0	7.95	
19.0		9.78	0.7	325	7.600	92.0	6.03	
22.0		9.68	0.7	322	7.580	91.0	5.95	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.016					
4.0	0.016					
7.0	0.019					
10.0	0.016					
13.0	0.013					
16.0	0.013					
19.0	0.030					
22.0	0.030					

C-REF-NO 105
 CONS. NO 173
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W

YEAR 1967
 MONTH 07
 DAY 18
 TIME 2030

NO. DEPTHS 08
 SOUNDING 0229
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0		21.10	0.5	314	8.610	90.0	9.19	0.006
4.0		20.82	0.5	314	8.630	90.0	9.19	0.003
7.0		20.62	0.5	312	8.650	90.0	9.17	0.006
10.0		20.52	0.4	314	8.650	91.0	9.06	0.010
13.0		20.21	0.4	314	8.600	90.0	8.55	0.008
16.0		16.94	0.4	326	8.300	91.0	7.89	0.011
19.0		9.77	0.5	325	7.760	92.0	5.92	0.012
22.0		9.67	1.4	325	7.690	91.0	5.91	0.016

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.016					
4.0	0.017					
7.0	0.017					
10.0	0.018					
13.0	0.017					
16.0	0.014					
19.0	0.032					
22.0	0.035					

C-REF-NO 105
 CONS. NO 174
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W

YEAR 1967
 MONTH 07
 DAY 18
 TIME 2130

NO. DEPTHS 08
 SOUNDING 0229
 BT SLIDE NO 013

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0		21.15	0.6	314	8.590	88.0	8.80	
4.0		20.86	0.5	314	8.590	89.0	8.97	
7.0		20.66	0.5	314	8.600	89.0	8.97	
10.0		20.52	0.7	314	8.610	89.0	8.94	
13.0		20.15	0.6	313	8.560	91.0	8.94	
16.0		16.98	0.5	322	8.100	90.0	7.79	
19.0		9.74	0.8	325	7.800	92.0	5.84	
22.0		9.67	1.3	323	7.670	91.0	5.95	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.019					
4.0	0.020					
7.0	0.019					
10.0	0.019					
13.0	0.018					
16.0	0.017					
19.0	0.040					
22.0	0.032					

C-REF-NO 105
 CONS. NO 175
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W
 YEAR 1967
 MONTH 07
 DAY 18
 TIME 2230

NO. DEPTHS 08
 SCOUNDING 0229
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		21.64	0.5	314	8.600	89.0	9.10	
4.0		20.99	0.6	315	8.660	91.0	9.28	
7.0		20.68	0.5	312	8.650	90.0	9.28	
10.0		20.55	0.8	313	8.610	89.0	9.25	
13.0		20.24	0.6	316	8.540	90.0	8.97	
16.0		17.81	0.5	325	8.120	93.0	8.06	
19.0		9.74	0.7	326	7.670	93.0	6.03	
22.0		9.67	1.0	326	7.610	95.0	5.92	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.018					
4.0	0.014					
7.0	0.015					
10.0	0.018					
13.0	0.018					
16.0	0.012					
19.0	0.036					
22.0	0.032					

C-REF-NO 105
 CONS. NO 176
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W
 YEAR 1967
 MONTH 07
 DAY 18
 TIME 2330

NO. DEPTHS 08
 SCOUNDING 0229
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		21.31	0.6	315	8.560	88.0	9.27	
4.0		21.22	0.7	315	8.590	88.0	9.35	
7.0		20.91	0.5	313	8.600	87.0	9.38	
10.0		20.45	0.6	313	8.570	88.0	9.10	
13.0		20.18	0.6	314	8.520	88.0	9.06	
16.0		17.64	0.7	315	8.150	88.0	8.37	
19.0		9.71	0.7	318	7.680	91.0	5.94	
22.0		9.66	0.9	318	7.630	91.0	5.99	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.017					
4.0	0.005					
7.0	0.018					
10.0	0.016					
13.0	0.011					
16.0	0.004					
19.0	0.029					
22.0	0.030					

C-REF-NO 105
 CONS. NO 177
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W

YEAR 1967
 MONTH 07
 DAY 19
 TIME 0030

NO. DEPTHS 08
 SOUNDING 0229
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		21.17	0.5	316	8.570	88.0	9.19	
4.0		21.13	0.7	317	8.600	89.0	9.27	
7.0		20.69	0.6	318	8.600	88.0	9.27	
10.0		20.59	0.6	320	8.560	89.0	9.16	
13.0		20.29	0.6	312	8.520	89.0	8.73	
16.0		18.63	0.6	322	8.150	89.0	8.29	
19.0		9.71	0.7	323	7.760	91.0	6.00	
22.0		9.64	0.9	322	7.650	91.0	5.91	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.018					
4.0	0.016					
7.0	0.015					
10.0	0.018					
13.0	0.007					
16.0	0.014					
19.0	0.028					
22.0	0.030					

C-REF-NO 105
 CONS. NO 178
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W

YEAR 1967
 MONTH 07
 DAY 19
 TIME 0130

NO. DEPTHS 08
 SOUNDING 0229
 BT SLIDE NO 014

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R PO4
1.0		21.03	0.5	315	8.590	89.0	9.22	
4.0		21.00	0.6	315	8.590	89.0	9.28	
7.0		20.82	0.6	314	8.610	89.0	9.25	
10.0		20.46	0.4	315	5.570	89.0	9.30	
13.0		19.93	0.5	316	8.560	90.0	8.84	
16.0		11.11	0.6	315	8.180	89.0	6.91	
19.0		9.65	0.6	317	7.700	88.0	6.02	
22.0		9.62	1.0	316	7.630	88.0	5.86	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.013					
4.0	0.016					
7.0	0.016					
10.0	0.017					
13.0	0.016					
16.0	0.021					
19.0	0.029					
22.0	0.030					

C-REF-NO 105
 CONS. NO 179
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W

YEAR 1967
 MONTH 07
 DAY 19
 TIME 0230

NO. DEPTHS 08
 SOUNDING 0229
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.91	0.5	315	8.580	88.0	9.30	0.005
4.0		20.88	0.4	318	8.600	88.0	9.30	
7.0		20.86	0.6	316	8.620	88.0	9.16	
10.0		20.63	0.4	312	8.540	88.0	9.25	0.007
13.0		20.48	0.4	314	8.620	88.0	9.08	0.005
16.0		20.45	0.4	315	8.440	88.0	8.34	0.011
19.0		19.01	0.6	321	7.750	89.0	6.11	0.011
22.0		9.78	1.0	321	7.690	90.0	5.89	0.016

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.015					
4.0	0.016					
7.0	0.014					
10.0	0.015					
13.0	0.016					
16.0	0.020					
19.0	0.028					
22.0	0.029					

C-REF-NO 105
 CONS. NO 180
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W

YEAR 1967
 MONTH 07
 DAY 19
 TIME 0330

NO. DEPTHS 08
 SOUNDING 0229
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.85	0.5	313	8.620	89.0	9.21	
4.0		20.88	0.5	312	8.670	90.0	9.24	
7.0		20.81	0.5	314	8.680	89.0	9.21	
10.0		20.70	0.5	312	8.660	90.0	9.11	
13.0		20.12	1.8	316	8.560	90.0	8.95	
16.0		11.73	0.6	321	7.800	91.0	6.61	
19.0		9.67	0.9	319	7.670	92.0	6.13	
22.0		9.61	0.9	321	7.590	93.0	5.99	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.015					
4.0	0.015					
7.0	0.015					
10.0	0.016					
13.0	0.020					
16.0	0.022					
19.0	0.037					
22.0	0.030					

C-REF-NO 105
CONS. NO 181
COUNTRY 18
INSTITUTE 22

LAT 41-55-00N
LON 081-33-06W

YEAR 1967
MONTH 07
DAY 19
TIME 0439

NO. DEPTHS 08
SCUNDING 0229
BT SLIDE NO 015

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0		20.78	0.6	313	8.620	89.0	9.19	
4.0		20.78	0.5	311	8.660	88.0	9.22	
7.0		20.78	0.4	313	8.670	88.0	9.13	
10.0		20.71	0.4	312	8.680	89.0	9.10	
13.0		20.72	0.4	315	8.590	90.0	8.97	
16.0		17.81	0.5	317	8.330	90.0	6.76	
19.0		9.66	0.6	324	7.740	91.0	6.11	
22.0		9.63	0.6	321	7.710	91.0	5.94	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.014					
4.0	0.014					
7.0	0.016					
10.0	0.018					
13.0	0.020					
16.0	0.021					
19.0	0.031					
22.0	0.033					

C-REF-NO 105
CONS. NO 182
COUNTRY 18
INSTITUTE 22

LAT 41-55-00N
LON 081-33-06W

YEAR 1967
MONTH 07
DAY 19
TIME 0536

NO. DEPTHS 08
SCUNDING 0229
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0		20.75	0.4	313	8.650	88.0	8.97	0.004
4.0		20.74	0.4	313	8.680	89.0	9.02	0.003
7.0		20.70	0.4	314	8.640	89.0	8.94	0.003
10.0		20.53	0.5	311	8.670	89.0	8.99	0.003
13.0		20.35	0.4	312	8.640	89.0	8.77	0.002
16.0		17.32	0.4	316	8.290	90.0	7.60	0.003
19.0		9.67	0.6	323	7.720	92.0	5.77	0.007
22.0		9.64	0.8	322	7.640	92.0	5.83	0.004

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.012					
4.0	0.012					
7.0	0.010					
10.0	0.016					
13.0	0.016					
16.0	0.018					
19.0	0.028					
22.0	0.028					

C-REF-NO 105
 CONS. NO 183
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W
 YEAR 1967
 MONTH 07
 DAY 19
 TIME 0638

NO. DEPTHS 08
 SOUNDING 0229
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.73	0.4	313	8.650	90.0	8.75	
4.0		20.71	0.4	316	8.640	93.0	8.88	
7.0		20.71	0.5	313	8.620	91.0	8.97	
10.0		20.69	0.4	312	8.660	88.0	9.14	
13.0		19.98	0.5	316	8.650	89.0	8.70	
16.0		17.66	0.5	317	8.270	91.0	7.60	
19.0		9.71	0.6	320	7.690	92.0	5.95	
22.0		9.65	0.5	321	7.600	93.0	5.88	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.008					
4.0	0.028					
7.0	0.020					
10.0	0.012					
13.0	0.018					
16.0	0.024					
19.0	0.026					
22.0	0.028					

C-REF-NO 105
 CONS. NO 184
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W
 YEAR 1967
 MONTH 07
 DAY 19
 TIME 0727

NO. DEPTHS 08
 SOUNDING 0229
 BT SLIDE NO 016

DEPTH	SECCHI	TFMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.73	0.3	314	8.600	91.0	8.86	
4.0		20.69	0.3	315	8.660	91.0	9.11	
7.0		20.69	0.4	315	8.660	92.0	8.77	
10.0		20.58	0.4	312	8.670	92.0	8.86	
13.0		20.42	0.4	312	8.620	93.0	8.59	
16.0		17.90	0.3	317	8.320	91.0	7.82	
19.0		9.71	0.5	321	7.640	93.0	5.83	
22.0		9.65	0.5	323	7.630	93.0	5.91	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.012					
4.0	0.008					
7.0	0.010					
10.0	0.018					
13.0	0.018					
16.0	0.024					
19.0	0.030					
22.0	0.030					

C-REF-NO 105
 CONS. NO 185
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W

YEAR 1967
 MONTH 07
 DAY 19
 TIME 0830

NO. DEPTHS 05
 SOUNDING 0229
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.76	0.4	316	8.570	93.0	8.94	
4.0		20.74	0.5	317	8.590	92.0	9.06	
7.0		20.73	0.5	316	8.640	92.0	9.00	0.003
10.0		20.68	0.4	315	8.620	92.0	9.05	
13.0		13.60	0.6	315	8.490	95.0	7.05	0.005

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.012					
4.0	0.014					
7.0	0.012					
10.0	0.014					
13.0	0.008					

C-REF-NO 105
 CONS. NO 186
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W

YEAR 1967
 MONTH 07
 DAY 19
 TIME 0930

NO. DEPTHS 08
 SOUNDING 0229
 BT SLIDE NO 017

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.70	0.5	319	8.590	95.0	9.08	
4.0		20.70	0.4	319	8.610	95.0	8.94	
7.0		20.69	0.4	315	8.620	95.0	8.91	
10.0		20.68	0.5	317	8.520	95.0	9.02	
13.0		20.48	0.6	317	8.450		8.89	
16.0		16.14	0.5	319	8.150		7.53	
19.0		9.83	0.7	319	7.680		5.91	
22.0		9.73	0.8	319	7.520		5.94	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.014					
4.0	0.014					
7.0	0.016					
10.0	0.016					
13.0	0.024					
16.0	0.014					
19.0	0.032					
22.0	0.034					

C-REF-NO 105
 CONS. NO 187
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W

YEAR 1967
 MONTH 07
 DAY 19
 TIME 1030

NO. DEPTHS 08
 SOUNDING 0229
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.74	0.5	313	8.580		8.50	
4.0		20.73	0.4	314	8.600		8.73	
7.0		20.71	0.5	314	8.600		8.23	
10.0		20.67	0.5	314	8.610		8.75	
13.0		20.14	0.4	314	8.550		8.77	
16.0		17.86	0.5	314	8.400		8.37	
19.0		9.84	0.5	318	7.710		6.08	
22.0		9.74	0.7	318	7.620		5.95	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.020					
4.0	0.006					
7.0	0.024					
10.0	0.020					
13.0	0.014					
16.0	0.010					
19.0	0.030					
22.0	0.030					

C-REF-NO 105
 CONS. NO 188
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W

YEAR 1967
 MONTH 07
 DAY 19
 TIME 1130

NO. DEPTHS 08
 SOUNDING 0229
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R P04
1.0		20.78	0.5	315	8.580		9.11	
4.0		20.75	0.5	317	8.600		9.14	
7.0		20.74	0.4	318	8.620		9.16	
10.0		20.75	0.4	317	8.630		9.06	
13.0		20.64	0.5	318	8.610		8.97	
16.0		18.01	0.5	316	8.370		8.28	
19.0		9.88	0.6	320	7.530		6.16	
22.0		9.73	0.8	317	7.490		5.94	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.024					
4.0	0.020					
7.0	0.020					
10.0	0.020					
13.0	0.020					
16.0	0.028					
19.0	0.014					
22.0	0.028					

C-REF-NO 105
CONS. NO 189
COUNTRY 18
INSTITUTE 22

LAT 41-55-00N
LON 081-33-06W

YEAR 1967
MONTH 07
DAY 19
TIME 1227

NO. DEPTHS 08
SOUNDING 0229
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R PO4
1.0		20.78	0.4	310	8.590		9.06	
4.0		20.77	0.5	309	8.610		9.02	
7.0		20.77	0.5	312	8.650		9.03	
10.0		20.74	0.4	311	8.630		9.03	
13.0		20.22	0.6	316	8.600		8.88	
16.0		14.01	0.5	317	8.390		7.35	
19.0		9.81	0.5	317	7.700		6.02	
22.0		9.73	0.7	324	7.560		5.94	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.014					
4.0	0.030					
7.0	0.026					
10.0	0.020					
13.0	0.018					
16.0	0.020					
19.0	0.020					
22.0	0.014					

C-REF-NO 105
CONS. NO 190
COUNTRY 18
INSTITUTE 22

LAT 41-55-00N
LON 081-33-06W

YEAR 1967
MONTH 07
DAY 19
TIME 1327

NO. DEPTHS 08
SOUNDING 0229
BT SLIDE NO 018

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	02 W	R PO4
1.0		20.75	0.5	311	8.580		9.03	
4.0		20.73	0.5	313	8.610		9.14	
7.0		20.72	0.4	315	8.610		9.05	
10.0		20.72	0.5	314	8.630		9.08	
13.0		20.42	0.5	313	8.560		8.89	
16.0		16.59	0.5	328	7.870		7.79	
19.0		9.85	0.6	328	7.690		5.97	
22.0		9.73	0.7	327	7.590		5.94	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.020					
4.0	0.020					
7.0	0.024					
10.0	0.016					
13.0	0.008					
16.0	0.010					
19.0	0.020					
22.0	0.020					

C-REF-NO 105
 CONS. NO 191
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-00N
 LON 081-33-06W

YEAR 1967
 MONTH 07
 DAY 19
 TIME 1430

NO. DEPTHS 08
 SOUNDING 0229
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0		20.77	0.4	303	8.610		9.11	
4.0		20.76	0.4	303	8.670		9.03	
7.0		20.75	0.5	305	8.680		9.03	
10.0		20.74	0.4	305	8.650		8.97	
13.0		20.62	0.6	304	8.570		8.97	
16.0		17.81	0.5	319	7.790		8.03	
19.0		9.92	0.5	318	7.680		6.05	
22.0		9.72	0.8	320	7.610		5.94	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0						
4.0						
7.0						
10.0						
13.0						
16.0						
19.0						
22.0						

C-REF-NO 105
 CONS. NO 192
 COUNTRY 18
 INSTITUTE 22

LAT 42-08-36N
 LON 080-06-06W

YEAR 1967
 MONTH 07
 DAY 19
 TIME 2234

NO. DEPTHS 02
 SOUNDING 0073
 BT SLIDE NO 019

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	TC ALK	O2 W	R P04
1.0	2.0		3.2	343	8.330		8.80	
4.0			2.6	345	8.350		8.70	

DEPTH	T NO3	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		500E02	300E02	000E00	200E03	140E03
4.0		200E03	440E02	000E00	150E03	100E03

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	203.0	91.3	30.6	40.000	7.400	1.500	18.000
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	0.018	0.160	0.012	0.003	0.018
4.0								

DEPTH	NI NF	SR NFA	ZN NF	HAZEN	CL	HARD	BOD W
1.0	0.002	0.165	0.008	5	31.0	130.4	2.9
4.0							3.3

CRUISE 67 - 107

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

LAT 42-49-06N
 LON 079-10-18W

YEAR 1967
 MONTH 07
 DAY 31
 TIME 2004

NO. DEPTHS 07
 SOUNDING 0201
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	02 W	R P04
1.0	9.0	22.34	1.0	317	8.590		9.21	
4.0		22.27	0.7	317	8.610		9.13	
7.0		21.71	1.0	316	8.630		9.26	
10.0		21.64	0.8	316	8.590		9.07	
13.0		21.53	0.8	318	8.570		8.93	
16.0		21.12	0.7	318	8.540		8.72	
19.0		20.72	1.1	321	8.390		8.08	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.075	0.330	000E00		000E00	140E01	900E00
4.0	0.000	0.190					
7.0	0.000	0.180	000E00				
10.0	0.000	0.200					
13.0	0.000	0.170					
16.0	0.000	0.200					
19.0	0.000	0.290	000E00		000E00	900E00	800E00

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

LAT 42-48-33N
 LON 079-02-24W

YEAR 1967
 MONTH 07
 DAY 31
 TIME 2120

NO. DEPTHS 05
 SOUNDING 0165
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	02 W	R P04
1.0	7.0	22.33	0.7	317	8.620		9.10	
4.0		22.25	0.6	317	8.650		9.15	
7.0		21.78	0.8	316	8.610		9.21	0.007
10.0		21.74	0.9	316	8.660		9.07	0.009
13.0		21.65	0.7	317	8.580		8.94	0.004

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.085	0.210	000E00		000E00	300E01	130E01
4.0	0.000	0.200					
7.0	0.000	0.190	000E00				
10.0	0.000	0.330					
13.0	0.000	0.200	000E00		000E00	300E01	240E01

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

LAT 42-49-03N
LON 078-54-54W

YEAR 1967
MONTH 07
DAY 31
TIME 2232

NO. DEPTHS 03
SOUNDING 0100
BT SLIDE NO 001

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W	R P04	T N03
1.0	8.5	22.63	1.2	313	8.580	9.20	0.001	0.000
4.0		22.60	1.0	314	8.600	9.21	0.007	0.000
7.0		22.50	1.0	314	8.610	9.20	0.001	0.000

DEPTH	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.300	000E00		000E00	600E01	150E01
4.0	0.450					
7.0	0.320	000E00		000E00	460E01	240E01

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	183.0	97.6	25.0	38.000	7.600	1.300	11.800
4.0							
7.0							

DEPTH	HAZEN	CL	HARD	BOD W
1.0	5	25.0	126.2	1.4
4.0				1.5
7.0				1.3

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

LAT 42-43-51N
 LON 079-07-12W

YEAR 1967
 MONTH 08
 DAY 01
 TIME 0023

NO. DEPTHS 06
 SOUNDING 0183
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0	7.5	22.06	0.8	314	8.600		9.28	0.003
4.0		22.05	0.7	314	8.610		9.26	
7.0		21.72	0.8	315	8.600		9.23	0.018
10.0		21.56	0.8	314	8.570		8.96	0.018
13.0		21.52	0.7	316	8.520		8.83	0.020
16.0		21.29	0.7	315	8.500		8.75	0.022

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.250	160E01		000E00	340E01	800E00
4.0	0.000	0.130					
7.0	0.000	0.140	400E00				
10.0	0.000	0.190					
13.0	0.000	0.175					
16.0	0.000	0.260	000E00		000E00	360E01	400E00

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

LAT 42-39-51N
 LON 079-06-33W

YEAR 1967
 MONTH 08
 DAY 01
 TIME 0123

NO. DEPTHS 05
 SOUNDING 0146
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0		22.11	0.6	316	8.580		9.25	0.019
4.0		22.10	0.6	314	8.590		9.21	0.018
7.0		22.10	0.7	316	8.600		9.21	0.026
10.0		21.98	0.8	314	8.590		8.99	
13.0		21.43	0.9	315	8.550		8.93	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.160	000E00		000E00	200E01	180E01
4.0	0.000	0.190					
7.0	0.000	0.250	000E00				
10.0	0.000	0.190					
13.0	0.000	0.250	000E00		000E00	760E01	560E01

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

LAT 42-33-27N
 LON 079-14-15W

YEAR 1967
 MONTH 08
 DAY 01
 TIME 0246

NO. DEPTHS 06
 SOUNDING 0174
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0		22.54	0.8	318	8.630		9.33	
4.0		22.51	0.9	316	8.620		9.33	
7.0		22.52	0.7	313	8.650		9.29	
10.0		22.43	0.6	312	8.690		9.15	
13.0		22.19	0.7	312	8.640		9.02	
16.0		21.85	1.0	313	8.570		8.62	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.040	1.020	000E00		000E00	250E01	130E01
4.0	0.016	0.260					
7.0	0.016	0.220	000E00				
10.0							
13.0	0.005	0.200					
16.0	0.060	0.320	000E00		000E00	100E01	200E00

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

LAT 42-31-18N
 LON 079-19-00W

YEAR 1967
 MONTH 08
 DAY 01
 TIME 0349

NO. DEPTHS 06
 SOUNDING 0174
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0		22.73	1.2	313	8.670		9.23	
4.0		22.69	0.8	311	8.670		9.29	
7.0		22.56	1.3	312	8.680		9.25	
10.0		22.39	0.7	314	8.680		9.18	
13.0		22.14	0.6	311	8.670		9.09	
16.0		21.34	0.7	314	8.520		7.98	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.020	0.620	000E00		000E00	150E01	150E01
4.0	0.000	0.120					
7.0	0.000	0.110	100E00				
10.0	0.000	0.140					
13.0	0.000	0.220	200E00		000E00	750E01	680E01
16.0							

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

LAT 42-43-54N
 LON 079-19-42W
 YEAR 1967
 MONTH 08
 DAY 01
 TIME 0601

NO. DEPTHS 09
 SOUNDING 0262
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0		21.69	0.6	319	8.620		9.12	
4.0		21.68	0.6	316	8.630		9.10	
7.0		21.64	0.6	318	8.610		9.09	
10.0		21.57	0.7	319	8.590		8.96	
13.0		21.36	0.5	322	8.460		8.88	
16.0		21.24	0.6	320	8.480		8.82	
19.0		20.63	0.7	323	8.440		8.46	
22.0		13.51	1.2	331	7.590		3.77	
25.0		10.37	1.8	333	7.630		5.13	

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.130	100E00		000E00	170E01	500E00
4.0	0.000	0.130					
7.0	0.000	0.120	000E00				
10.0	0.000	0.115					
13.0	0.000	0.110					
16.0	0.000	0.130					
19.0	0.000	0.120					
22.0	0.150	0.170	200E00				
25.0	0.200	0.920	000E00		000E00	200E02	900E01

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

LAT 42-47-45N
 LON 079-29-12W
 YEAR 1967
 MONTH 08
 DAY 01
 TIME 0802

NO. DEPTHS 07
 SOUNDING 0210
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0		21.56	0.8	319	8.540		8.99	
4.0		21.54	0.7	317	8.590		9.07	0.002
7.0		21.54	0.7	318	8.610		9.12	0.002
10.0		21.52	0.7	319	8.610		9.07	0.006
13.0		20.52	0.9	322	8.460		8.42	0.013
16.0		19.25	0.7	322	8.330		7.89	0.031
19.0		16.58	0.8	325	8.070		6.77	

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.420	000E00	000E00	000E00	190E01	200E01
4.0	0.000	0.360					
7.0	0.010	0.320	100E00				
10.0	0.000	0.350					
13.0	0.000	0.220					
16.0	0.000	0.225					
19.0	0.023	0.280	100E00	000E00	000E00	160E01	120E01

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

LAT 42-50-15N
LON 079-34-48W

YEAR 1967
MONTH 08
DAY 01
TIME 0913

NO. DEPTHS 03
SOUNDING 0110
BT SLIDE NO 002

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W	R P04	T NO3
1.0		21.72	1.1	356	8.430	8.91		0.050
4.0		21.66	1.0	355	8.480	8.85		0.042
7.0		21.17	0.6	316	8.490	8.90		

DEPTH	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.335					
4.0	0.320					
7.0	0.190					

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	217.0	113.0	34.8	46.000	9.500	1.500	11.800
4.0							
7.0							

DEPTH	HAZEN	CL	HARD	BOD W
1.0	10	24.7	154.0	
4.0				
7.0				

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

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

YEAR 1967
 MONTH 08
 DAY 01
 TIME 1041

NO. DEPTHS 06
 SOUNDING 0183
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0	7.0	21.56	0.5	317	8.540		9.01	
4.0		21.51	0.4	316	8.560		9.04	
7.0		21.51	0.4	316	8.570		9.01	
10.0		21.50	0.5	314	8.570		8.99	0.005
13.0		20.15	0.7	317	8.470		8.32	0.006
16.0		17.84	1.0	323	8.190		6.87	0.018

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.190	100E01	000E00	000E00	600E01	100E01
4.0	0.000	0.160					
7.0	0.000	0.170	440E01				
10.0	0.000	0.170					
13.0	0.000	0.180					
16.0	0.010	0.240	400E00	000E00	000E00	500E01	200E01

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

LAT 42-46-18N
 LON 079-47-48W

YEAR 1967
 MONTH 08
 DAY 01
 TIME 1145

NO. DEPTHS 03
 SOUNDING 0192
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0								
7.0								
16.0								

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0			100E00	200E00	000E00	700E01	300E01
7.0			300E00				
16.0			100E00	200E00	000E00	600E01	500E01

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

LAT 42-40-30N
 LON 079-36-06W

YEAR 1967
 MONTH 08
 DAY 01
 TIME 1345

NO. DEPTHS 10
 SOUNDING 0302
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	7.5	21.99	0.6	319	8.500		9.05	
4.0		22.00	0.6	317	8.580		9.23	
7.0		21.98	0.5	315	8.580		9.18	
10.0		21.99	0.6	313	8.620		9.15	
13.0		21.03	0.8	313	8.480		8.46	
16.0		14.88	0.8	320	8.090		7.95	
19.0		8.95	0.7	321	7.900		8.88	
22.0		6.97	0.8	326	7.780		8.53	
25.0		6.98	1.4	325	7.770		8.53	
28.0		6.94	2.7	327	7.770		8.53	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.200	000E00		000E00	530E01	390E01
4.0	0.000	0.170					
7.0	0.000	0.190	000E00				
10.0	0.000	0.190					
13.0	0.000	0.170					
16.0	0.010	0.190					
19.0	0.115	0.360					
22.0	0.150	0.580	000E00				
25.0	0.150	0.610					
28.0	0.150	0.680	100E00		200E00	900E01	470E01

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

LAT 42-51-24N
 LON 079-34-42W

YEAR 1967
 MONTH 08
 DAY 01
 TIME 1511

NO. DEPTHS 03
 SOUNDING 0079
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	O2 W	R PO4	T NO3
1.0	0.5		12.0	516	8.410	7.68		0.300
4.0			13.0	479	8.340	6.92		0.380
7.0			210.0	427	8.180	6.04		0.300

DEPTH	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.250					
4.0	0.210					
7.0	0.240					

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	360.0	189.0	73.0	71.800	22.300	2.500	10.000
4.0							
7.0							

DEPTH	HAZEN	CL	HARD	BOD W
1.0	10	18.0	270.9	
4.0				
7.0				

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

LAT 42-30-09N
LON 079-37-33W

YEAR 1967
MONTH 08
DAY 01
TIME 1830

NO. DEPTHS 13
SOUNDING 0448
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	7.0	23.04	2.4	308	8.680		9.49	
4.0		22.36	1.8	307	8.750		9.69	
7.0		22.27	4.1	308	8.770		9.55	
10.0		22.17	1.1	308	8.740		9.31	
13.0		21.60	0.9	310	8.590		8.53	
16.0		21.17	0.7	312	8.540		8.46	
19.0		12.05	0.6	321	8.110		9.07	
22.0		7.80	0.8	322	8.020		10.30	
25.0		5.27	1.6	327	7.930		10.36	
28.0		5.17	1.3	325	7.870		10.43	
31.0		5.10	1.3	323	7.880		10.41	
37.0		5.09	1.6	326	7.900		10.32	
43.0		5.00	1.5	325	7.880		10.33	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.010	0.140	000E00		000E00	240E01	200E01
4.0	0.000	0.130					
7.0	0.000	0.130	000E00				
10.0	0.000	0.120					
13.0	0.000	0.120					
16.0	0.000	0.120					
19.0	0.032	0.090					
22.0	0.072	0.100	400E00				
25.0	0.122	0.290					
28.0	0.140	0.390					
31.0	0.140	0.370					
37.0	0.140	0.380					
43.0	0.150	0.430	200E00		000E00	260E01	200E01

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

LAT 42-20-15N
 LON 079-39-24W

YEAR 1967
 MONTH 08
 DAY 01
 TIME 2026

NO. DEPTHS 06
 SOUNDING 0183
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0		23.27	1.1	308	8.640		9.37	0.009
4.0		22.47	1.1	306	8.710		9.63	0.011
7.0		22.19	1.1	307	8.700		9.39	0.010
10.0		22.15	1.0	307	8.690		9.17	0.005
13.0		21.10	1.2	307	8.640		8.53	0.018
16.0		16.03	1.0	317	8.350		8.11	0.016

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.110	000E00	000E00	000E00	320E01	160E01
4.0	0.000	0.150					
7.0	0.005	0.240	000E00				
10.0	0.005	0.100					
13.0	0.000	0.095					
16.0	0.010	0.150	100E00	000E00	000E00	900E01	600E01

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

LAT 42-20-12N
 LON 079-46-30W

YEAR 1967
 MONTH 08
 DAY 01
 TIME 2142

NO. DEPTHS 11
 SOUNDING 0347
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	7.0	22.94	0.8	307	8.780		9.55	
4.0		22.99	0.7	307	8.800		9.73	
7.0		22.33	0.7	307	8.790		9.73	
10.0		21.71	0.8	309	8.730		8.72	
13.0		20.71	0.7	311	8.580		8.98	
16.0		15.90	0.8	317	8.250		7.87	
19.0		11.46	0.9	321	8.080		8.82	
22.0		6.66	1.0	323	8.010		10.09	
25.0		5.09	1.2	323	7.950		10.57	
28.0		4.97	1.7	321	7.920		10.59	
31.0		4.93	1.6	323	7.920		10.60	

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.035	0.330	000E00		000E00	260E01	110E01
4.0	0.005	0.100					
7.0	0.000	0.100	000E00				
10.0	0.005	0.290					
13.0	0.010	0.120					
16.0	0.020	0.160					
19.0	0.030	0.100					
22.0	0.050	0.940	100E00				
25.0	0.200	0.320					
28.0	0.115						
31.0	0.010	0.130	000E00		100E00	440E01	300E01

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

LAT 42-20-21N
 LON 079-54-39W
 YEAR 1967
 MONTH 08
 DAY 01
 TIME 2259

NO. DEPTHS 11
 SOUNDING 0375
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	5.0	23.24	0.8	309	8.740		9.53	0.011
4.0		22.60	0.8	308	8.780		9.28	0.015
7.0		22.14	0.7	309	8.770		9.65	0.007
10.0		21.88	0.8	315	8.690		9.28	0.013
13.0		20.00	0.9	315	8.540		8.77	0.020
16.0		11.81	0.8	320	8.170		8.74	0.005
19.0		8.08	1.0	322	8.030		10.27	
22.0		5.67	1.5	323	7.980		10.41	0.015
25.0		5.51	2.1	325	7.950		10.25	0.028
28.0		5.46	2.2	325	7.930		10.20	0.030
31.0		5.41	2.2	322	7.870		10.03	0.032

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.010	0.100	000E00		000E00	100E01	100E01
4.0	0.010	0.090					
7.0	0.010	0.110	000E00				
10.0		0.170					
13.0	0.020	0.310					
16.0	0.040	0.160					
19.0	0.080	0.100					
22.0	0.150	0.430	000E00				
25.0	0.140	0.510					
28.0	0.140	0.480					
31.0	0.150	0.440	000E00		000E00	570E01	250E01

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

LAT 42-15-30N
 LON 079-59-00W
 YEAR 1967
 MONTH 08
 DAY 02
 TIME 0021

NO. DEPTHS 06
 SOUNDING 0189
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	7.0	23.38	0.7	307	8.760		9.63	
4.0		22.73	0.7	305	8.790		9.68	
7.0		22.59	0.7	305	8.790		9.71	
10.0		22.34	0.8	306	8.790		9.33	
13.0		21.61	0.7	306	8.670		9.31	
16.0		20.07	0.9	310	8.580		8.19	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.005	0.130	000E00		000E00	440E01	180E01
4.0	0.005	0.160					
7.0	0.010	0.130	000E00				
10.0	0.140	0.115					
13.0	0.010	0.400					
16.0	0.000	0.210	110E01		000E00	380E01	320E01

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

LAT 42-11-00N
 LON 080-03-00W

YEAR 1967
 MONTH 08
 DAY 02
 TIME 0124

NO. DEPTHS 04
 SOUNDING 0119
 BT SLIDE NO 003

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W	R PO4	T NO3
1.0		23.67	0.8	310	8.750	9.63	0.022	0.000
4.0		23.48	0.8	311	8.750	9.68	0.002	0.000
7.0		22.86	1.4	311	8.730	9.37	0.007	0.000
10.0		22.46	0.8	311	8.700	8.96	0.011	0.000

DEPTH	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.160	400E00	000E00	000E00	160E02	260E02
4.0	0.230					
7.0	0.270	000E00				
10.0	0.200	000E00	000E00	000E00	200E02	160E02

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	184.0	91.3	25.9	38.200	7.500	1.300	11.600
4.0							
7.0							
10.0							

DEPTH	HAZEN	CL	HARD	BOD W
1.0	5	26.0	126.3	2.2
4.0				1.4
7.0				1.5
10.0				1.4

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

LAT 42-07-54N
LON 080-12-00W

YEAR 1967
MONTH 08
DAY 02
TIME 0248

NO. DEPTHS 02
SOUNDING 0091
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	02 W	R P04
1.0								
7.0								

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0			000E00	000E00	000E00	200E01	800E01
7.0			000E00	000E00	000E00	700E01	600E01

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

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

YEAR 1967
MONTH 08
DAY 02
TIME 0330

NO. DEPTHS 03
SOUNDING 0113
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	02 W	R P04
1.0								
7.0								
10.0								

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0			200E00	000E00	000E00	600E01	600E01
7.0			100E00				
10.0			000E00	000E00	000E00	300E01	400E01

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

LAT 42-12-39N
 LON 080-07-30W

YEAR 1967
 MONTH 08
 DAY 02
 TIME 0541

NO. DEPTHS 06
 SOUNDING 0186
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0		23.02	0.8	314	8.710		9.45	0.009
4.0		23.03	0.6	313	8.700		9.15	0.010
7.0		23.02	0.6	312	8.750		9.33	0.005
10.0		22.78	0.7	312	8.690		9.04	0.004
13.0		20.94	0.7	309	8.600		8.27	0.012
16.0		20.67	0.7	312	8.630		8.54	0.014

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.160	000E00	000E00	000E00	300E01	200E01
4.0	0.000	0.220					
7.0	0.000	0.140	000E00				
10.0	0.010	0.160					
13.0	0.000	0.100					
16.0	0.010	0.130	100E00	000E00	000E00	200E01	600E01

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

LAT 42-21-09N
 LON 080-03-45W

YEAR 1967
 MONTH 08
 DAY 02
 TIME 0742

NO. DEPTHS 11
 SOUNDING 0357
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0		22.60	0.8	306	8.770		9.42	
4.0		22.60	0.6	307	8.790		9.41	
7.0		22.59	0.7	308	8.800		9.44	
10.0		22.20	0.7	309	8.730		9.10	
13.0		22.04	1.5	306	8.720		9.12	
16.0		16.51	1.0	315	8.130		7.17	
19.0		11.02	1.0	321	8.000		8.26	
22.0		7.28	0.6	321	8.040		9.77	
25.0		5.55	1.7	327	7.920		9.93	
28.0		5.49	2.3	326	7.820		9.85	
31.0		5.39	2.1	326	7.790		9.82	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.130	000E00		000E00	530E01	500E01
4.0	0.000	0.120					
7.0	0.000	0.120	000E00				
10.0	0.010	0.130					
13.0	0.020	0.140					
16.0	0.020	0.120					
19.0	0.035	0.170					
22.0	0.055	0.140	000E00				
25.0	0.120	0.410					
28.0	0.130	0.430					
31.0	0.130	0.430	000E00		000E00	120E02	100E02

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

LAT 42-31-45N
LON 079-53-33W

YEAR 1967
MONTH 08
DAY 02
TIME 0955

NO. DEPTHS 16
SOUNDING 0649
BT SLIDE NO 004

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W	R PD4	T NO3
1.0	5.5	21.59	0.7	311	8.620	9.47	0.008	0.000
4.0		21.58	0.6	312	8.630	9.52	0.004	0.000
7.0		17.95	1.2	313	8.630	9.47	0.009	0.000
10.0		15.06	1.1	318	8.280	8.10	0.003	0.022
13.0		7.95	0.9	321	8.050	9.68	0.011	
16.0		6.29	0.6	321	7.990	10.56	0.008	0.043
19.0		5.60	1.0	321	7.950	10.65	0.008	0.080
22.0		5.31	0.6	323	7.920	10.83	0.008	0.086
25.0		5.00	0.8	325	7.930	10.96	0.017	0.094
28.0		4.77	0.7	325	7.910	11.15	0.024	0.090
31.0		4.49	0.7	325	7.910	11.31	0.009	0.092
37.0		4.52	1.4	325	7.900	11.04	0.032	0.095
43.0		4.48	1.1	325	7.840	9.98	0.048	0.100
49.0		4.62	1.6	324	7.850	10.44	0.047	0.110
55.0		4.57	1.4	323	7.870	10.33	0.047	0.116
61.0		4.57	1.6	325	7.870	10.20	0.055	0.116

DEPTH	R S102	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.280	000E00		000E00	360E01	370E01
4.0	0.280					
7.0	0.290					
10.0	0.240					
13.0						
16.0	0.140					
19.0	0.220					
22.0	0.250	000E00				
25.0	0.310					
28.0	0.300					
31.0	0.240					
37.0	0.350					
43.0	0.380					
49.0	0.480					
55.0	0.490					
61.0	0.520	000E00		100E00	550E01	380E01

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	185.0	93.7	24.8	38.800	7.600	1.200	11.400
4.0							
7.0							
10.0	186.0	94.2	26.2	38.800	7.500	1.300	11.400
13.0							
16.0							
19.0	187.0	94.7	26.2	38.800	7.500	1.300	11.600
22.0							
25.0							
28.0	187.0	95.1	26.0	38.800	7.500	1.300	11.600
31.0							
37.0	190.0	95.1	26.1	39.200	7.400	1.300	11.600
43.0							
49.0							
55.0	189.0	95.6	25.9	40.000	7.400	1.500	12.200
61.0							

DEPTH	HAZEN	CL	HARD	BOD W
1.0	10	25.3	128.2	1.2
4.0				1.0
7.0				1.0
10.0	5	25.8	127.8	1.3
13.0				1.4
16.0				1.0
19.0	5	26.1	127.8	1.3
22.0				1.1
25.0				1.1
28.0	5	26.7	127.8	0.7
31.0				0.9
37.0	5	26.6	128.4	1.2
43.0				0.9
49.0				0.6
55.0	5	26.2	130.4	0.7
61.0				0.9

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

LAT 42-41-30N
 LON 079-52-18W

YEAR 1967
 MONTH 08
 DAY 02
 TIME 1315

NO. DEPTHS 11
 SOUNDING 0329
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	8.0	22.26	1.0	311	8.680		9.50	
4.0		22.23	0.7	312	8.730		9.44	
7.0		22.22	0.7	312	8.730		9.49	
10.0		22.23	0.7	311	8.720		9.49	
13.0		20.30	0.8	313	8.520		8.51	
16.0		13.33	0.6	318	8.160		8.21	
19.0		9.49	0.6	324	8.030		9.34	
22.0		6.72	1.1	322	7.760		9.37	
25.0		6.56	2.0	324	7.770		8.56	
28.0		6.42	2.4	324	7.770		8.29	
31.0		5.59	4.4	324	7.780		8.86	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.290	000E00		000E00	300E01	
4.0	0.000	0.250					
7.0	0.000	0.250	000E00				
10.0	0.000	0.290					
13.0	0.008	0.260					
16.0	0.012	0.200					
19.0	0.044	0.260					
22.0			000E00				
25.0	0.097	0.610					
28.0	0.110	0.650					
31.0	0.110	0.820	200E00		000E00	180E02	

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

LAT 42-46-15N
 LON 079-56-03W

YEAR 1967
 MONTH 08
 DAY 02
 TIME 1427

NO. DEPTHS 04
 SOUNDING 0128
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	8.0	21.93	0.5	314	8.550		9.07	0.010
4.0		21.83	0.6	314	8.610		9.09	0.007
7.0		21.76	0.4	314	8.610		9.10	0.011
10.0		21.27	0.5	314	8.580		8.90	0.016

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.250					
4.0	0.000	0.260					
7.0	0.000	0.260					
10.0	0.000	0.260					

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

LAT 42-43-09N
LON 080-10-09W

YEAR 1967
MONTH 08
DAY 02
TIME 1616

NO. DEPTHS 03
SOUNDING 0092
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	8.0	21.90	0.6	319	8.570		9.26	0.013
4.0		21.38	0.5	319	8.560		9.44	0.010
7.0		21.23	0.5	319	8.650		9.36	0.007

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.190	000E00	000E00	000E00	260E01	320E01
4.0	0.000	0.220					
7.0	0.000	0.220	700E00	000E00	000E00	300E01	200E01

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

LAT 42-34-48N
LON 080-01-15W

YEAR 1967
MONTH 08
DAY 02
TIME 1758

NO. DEPTHS 07
SOUNDING 0420
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	10.0	22.29	0.4	317	8.600		9.31	
4.0		21.60	0.4	318	8.590		9.47	
7.0		21.18	0.4	323	8.580		9.39	
10.0		16.51	0.5	319	8.290		8.59	
13.0		12.09	0.8	324	7.950		6.98	
16.0		10.62	0.9	326	7.860		7.44	
19.0		9.69	1.6	327	7.860		8.77	

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.310	000E00		000E00	150E01	800E00
4.0	0.000	0.300					
7.0	0.000	0.290	000E00				
10.0	0.000	0.210					
13.0	0.045	0.460					
16.0	0.055	0.470					
19.0	0.082	0.470					

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

LAT 42-30-21N
 LON 080-09-51W

YEAR 1967
 MONTH 08
 DAY 02
 TIME 1946

NO. DEPTHS 11
 SOUNDING 0366
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0		22.55	0.7	310	8.660		9.57	
4.0		22.03	0.6	309	8.710		9.65	
7.0		21.51	0.5	309	8.650		8.93	
10.0		18.87	0.5	319	8.330		8.08	
13.0		13.89	0.5	322	8.170		8.02	
16.0		12.03	0.6	323	8.010		7.60	
19.0		9.85	0.6	326	7.940		8.16	
22.0		8.65	0.7	325	7.870		8.48	
25.0		7.45	0.8	327	7.790		8.69	
28.0		6.54	0.7	325	7.790		9.45	
31.0		6.07	0.8	324	7.800		9.31	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.018	0.190	300E00		000E00	600E01	280E01
4.0	0.012	0.150					
7.0	0.021	0.220	000E00				
10.0	0.015	0.210					
13.0	0.005	0.210					
16.0	0.018	0.215					
19.0	0.035	0.280					
22.0	0.052	0.250	100E00				
25.0	0.065	0.290					
28.0	0.068	0.250					
31.0	0.068	0.330	240E01		000E00	800E00	100E01

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

LAT 42-29-33N
 LON 080-17-30W

YEAR 1967
 MONTH 08
 DAY 02
 TIME 2044

NO. DEPTHS 07
 SOUNDING 0210
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0	5.5	23.00	0.6	303	8.690		9.47	
4.0		22.92	0.5	303	8.760		9.53	
7.0		22.49	0.5	303	8.790		9.57	
10.0		20.57	0.8	309	8.610		8.82	
13.0		16.86	0.7	321	8.320		7.99	
16.0		14.73	0.7	322	8.110		7.97	
19.0		10.81	1.0	327	7.970		7.95	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.005	0.200	000E00		000E00	280E01	200E01
4.0	0.005	0.210					
7.0	0.005	0.240	800E00				
10.0	0.012	0.220					
13.0	0.015	0.230					
16.0	0.022	0.240					
19.0	0.045	0.330	600E00		100E00	120E01	120E01

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

LAT 42-21-57N
 LON 080-18-15W

YEAR 1967
 MONTH 08
 DAY 02
 TIME 2230

NO. DEPTHS 08
 SOUNDING 0240
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	02 W	R P04
1.0	5.0	23.37	0.6	302	8.770		9.60	0.007
4.0		22.36	0.6	302	8.800		9.65	0.007
7.0		22.12	0.6	303	8.770		9.52	0.006
10.0		21.72	0.6	304	8.730		9.12	0.008
13.0		21.45	0.5	304	8.650		8.82	0.011
16.0		19.89	0.7	308	8.460		7.63	0.009
19.0		15.87	0.8	317	8.190		6.63	0.010
22.0		8.27	0.8	325	7.880		8.32	0.009

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.025	0.200	000E00		000E00	160E01	
4.0							
7.0	0.032	0.220	000E00				
10.0	0.035	0.210					
13.0	0.040	0.200					
16.0	0.054	0.190					
19.0	0.045	0.240	100E00		000E00	600E01	400E01
22.0							

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

LAT 42-12-00N
 LON 080-27-51W

YEAR 1967
 MONTH 08
 DAY 03
 TIME 0023

NO. DEPTHS 07
 SOUNDING 0219
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	02 W	R P04
1.0		23.70	0.6	312	8.640		9.36	
4.0		23.28	0.6	314	8.700		9.58	
7.0		22.91	0.6	314	8.740		9.81	
10.0		22.74	0.5	314	8.710		9.34	
13.0		22.23	0.6	316	8.550		8.24	
16.0		20.71	0.7	318	8.480		7.95	
19.0		8.83	1.6	322	8.010		8.03	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.130	100E00		000E00	200E01	
4.0		0.120					
7.0		0.150	000E00				
10.0		0.130					
13.0		0.130					
16.0		0.140					
19.0		0.200	100E00		000E00	760E01	

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

LAT 42-01-54N
 LON 080-28-54W

YEAR 1967
 MONTH 08
 DAY 03
 TIME 0149

NO. DEPTHS 04
 SOUNDING 0119
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0		23.74	0.7	325	8.800		10.25	0.005
4.0		23.71	0.6	325	8.830		10.24	
7.0		23.59	0.8	329	8.810		9.98	0.010
10.0		22.77	1.2	330	8.590		7.95	0.011

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		0.170	800E00		000E00	300E01	260E01
4.0		0.170					
7.0	0.032	0.170	300E00				
10.0	0.035	0.190	100E00		000E00	100E01	100E01

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

LAT 42-02-51N
 LON 080-36-00W

YEAR 1967
 MONTH 08
 DAY 03
 TIME 0316

NO. DEPTHS 05
 SOUNDING 0155
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0		23.23	0.6	310	8.740		9.36	
4.0		23.18	0.6	311	8.750		9.41	
7.0		22.75	0.7	312	8.710		9.50	
10.0		22.64	0.8	311	8.690		9.34	
13.0		22.33	0.5	312	8.550		8.88	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.120	700E00		000E00	140E01	800E00
4.0	0.000	0.100					
7.0	0.000	0.110	000E00				
10.0	0.000	0.105					
13.0	0.000		000E00		000E00	800E00	100E01

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

LAT 41-57-24N
 LON 080-41-30W

YEAR 1967
 MONTH 08
 DAY 03
 TIME 0524

NO. DEPTHS 05
 SOUNDING 0146
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0		23.43	0.6	325	8.780		9.68	0.007
4.0		23.42	0.6	328	8.790		9.73	0.005
7.0		23.42	0.7	326	8.820		9.74	0.005
10.0		23.10	0.7	330	8.720		9.20	0.013
13.0		22.01	1.4	330	8.460		6.60	0.007

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.015	0.230	100E00		100E00	180E01	440E01
4.0	0.015	0.220					
7.0	0.015	0.220	170E01				
10.0	0.020	0.230					
13.0	0.030	0.620	000E00		100E00	300E01	360E01

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

LAT 41-58-24N
 LON 080-57-30W

YEAR 1967
 MONTH 08
 DAY 03
 TIME 0702

NO. DEPTHS 07
 SOUNDING 0210
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0		22.95	0.7	311	8.720		9.20	
4.0		22.95	0.6	311	8.730		9.21	
7.0		22.92	0.8	312	8.740		9.21	
10.0		22.75	0.5	309	8.730		9.25	
13.0		22.51	0.5	311	8.690		9.04	
16.0		22.17	0.5	314	8.620		8.67	
19.0		8.44	1.1	323	7.840		8.02	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.160	000E00		100E00	240E01	800E00
4.0	0.000	0.170					
7.0	0.000	0.160	000E00				
10.0	0.000	0.150					
13.0	0.000	0.160					
16.0	0.000	0.170					
19.0	0.090	0.480	000E00		000E00	200E01	100E01

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

LAT 42-03-18N
 LON 080-53-15W

YEAR 1967
 MONTH 08
 DAY 03
 TIME 0816

NO. DEPTHS 07
 SOUNDING 0210
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0		22.81	0.5	307	8.690		9.17	
4.0		22.80	0.7	305	8.750		9.20	0.011
7.0		22.79	0.5	308	8.720		9.18	
10.0		22.69	0.5	307	8.700		9.12	
13.0		22.26	0.4	308	8.520		8.75	
16.0		13.59	0.5	320	8.050		7.03	0.002
19.0		9.36	0.7	325	7.870		7.55	0.003

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.150	500E00		000E00	180E01	140E01
4.0	0.000	0.160					
7.0	0.000	0.150	000E00				
10.0	0.000	0.190					
13.0	0.000	0.160					
16.0	0.044	0.325					
19.0	0.080	0.400	400E00		000E00	100E01	100E01

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

LAT 42-12-54N
 LON 080-43-54W

YEAR 1967
 MONTH 08
 DAY 03
 TIME 0958

NO. DEPTHS 06
 SOUNDING 0209
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0		22.70	0.6	307	8.650		9.15	
4.0		22.67	0.4	307	8.750		9.12	
7.0		22.67	0.5	307	8.750		9.18	
10.0		22.68	0.5	307	8.750		9.20	
13.0		22.56	0.6	308	8.660		9.07	
16.0		14.16	0.6	320	8.380		7.09	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.160	000E00		000E00	240E01	260E01
4.0	0.000	0.150					
7.0	0.000	0.150	100E00				
10.0	0.000	0.140					
13.0	0.000	0.150					
16.0	0.036	0.250					

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

LAT 42-33-54N
 LON 080-41-24W

YEAR 1967
 MONTH 08
 DAY 03
 TIME 1245

NO. DEPTHS 05
 SCUNDING 0155
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	7.0	21.70	0.8	311	8.500		9.25	
4.0		21.68	0.8	311	8.590		9.28	
7.0		21.33	0.7	311	8.580		9.20	0.005
10.0		17.37	0.9	312	8.130		7.12	0.013
13.0		13.99	1.7	322	7.920		6.37	0.011

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.048	0.180	000E00		000E00	200E01	200E01
4.0	0.048	0.170					
7.0	0.048	0.170	100E00				
10.0	0.030	0.230					
13.0	0.044	0.240	000E00		000E00	120E01	100E01

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

LAT 42-37-00N
 LON 080-50-15W

YEAR 1967
 MONTH 08
 DAY 03
 TIME 1355

NO. DEPTHS 04
 SCUNDING 0125
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	5.5	21.61	1.3	312	8.560		9.18	
4.0		21.60	1.3	312	8.580		9.18	
7.0		21.21	1.5	313	8.540		9.09	
10.0		19.15	2.0	315	8.320		7.94	

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.050	0.160	000E00		000E00	200E01	140E01
4.0	0.050	0.160					
7.0	0.050	0.240	100E00				
10.0	0.050	0.200	000E00		000E00	180E01	180E01

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

LAT 42-37-45N
LON 081-05-21W

YEAR 1967
MONTH 08
DAY 03
TIME 1605

NO. DEPTHS 04
SOUNDING 0110
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	4.5	21.28	1.4	308	8.500		9.65	0.012
4.0		20.67	2.1	308	8.470		9.37	0.015
7.0		16.26	5.4	321	7.920		5.35	0.029
10.0		14.91	6.8	329	7.830		4.23	0.022

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.084	0.170	100E00		300E00	260E01	260E01
4.0	0.080	0.180					
7.0	0.064	0.360	000E00				
10.0	0.064	0.410	100E00		100E00	160E01	160E01

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

LAT 42-38-24N
LON 081-11-33W

YEAR 1967
MONTH 08
DAY 03
TIME 1659

NO. DEPTHS 04
SOUNDING 0110
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	5.0	21.08	1.4	313	8.450		9.50	
4.0		20.86	1.3	312	8.460		9.50	
7.0		18.83	1.2	314	8.220		8.96	
10.0		14.93	7.2	329	7.840		4.76	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.086	0.160					
4.0	0.086	0.140					
7.0	0.088	0.130					
10.0	0.082	0.390					

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

LAT 42-24-42N
 LON 081-07-00W

YEAR 1967
 MONTH 08
 DAY 03
 TIME 1847

NO. DEPTHS 07
 SOUNDING 0183
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	7.5	23.41	0.9	306	8.800		9.50	
4.0		23.49	0.6	305	8.820		9.53	
7.0		22.95	0.8	304	8.840		9.61	
10.0		22.67	0.6	306	8.800		9.28	0.006
13.0		22.49	0.5	305	8.770		8.88	0.005
16.0		19.71	0.4	315	8.320		7.31	0.004
19.0		10.63	0.8	320	7.800		4.41	0.014

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.180	400E00		300E00	300E01	260E01
4.0	0.000	0.200					
7.0	0.000	0.190	000E00				
10.0	0.005	0.200					
13.0	0.005	0.200					
16.0	0.005	0.150					
19.0	0.044	0.530	000E00		240E01	600E01	760E01

C-REF-NO 107
 CONS. NO 045
 COUNTRY 18
 INSTITUTE 22

LAT 42-03-54N
 LON 081-08-33W

YEAR 1967
 MONTH 08
 DAY 03
 TIME 2130

NO. DEPTHS 07
 SOUNDING 0220
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	7.0	23.43	0.8	307	8.740		9.29	
4.0		23.30	0.6	304	8.760		9.29	
7.0		22.88	0.7	307	8.780		9.41	
10.0		22.75	0.6	308	8.740		9.17	
13.0		22.62	0.6	308	8.690		8.98	
16.0		21.64	0.5	310	8.580		8.32	
19.0		10.75	0.9	325	7.830		5.53	

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.005	0.180	200E00		000E00	600E01	720E01
4.0	0.005	0.180					
7.0	0.005	0.180	500E00				
10.0	0.005	0.180					
13.0	0.005	0.160					
16.0	0.005	0.180					
19.0	0.064	0.620	000E00		120E01	680E01	740E01

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

LAT 41-48-45N
 LON 081-14-27W

YEAR 1967
 MONTH 08
 DAY 03
 TIME 2333

NO. DEPTHS 06
 SOUNDING 0170
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0	6.5	23.52	0.7	313	8.690		9.23	0.004
4.0		23.10	0.5	315	8.730		9.41	0.004
7.0		22.96	0.5	319	8.740		9.41	0.003
10.0		22.93	0.4	318	8.740		9.33	
13.0		22.86	0.7	326	8.670		9.04	0.008
16.0		11.63	1.4	331	7.660		0.73	0.006

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.190	000E00		000E00	900E01	120E02
4.0	0.000	0.200					
7.0	0.000	0.210	000E00				
10.0	0.000	0.190					
13.0	0.010	0.210					
16.0	0.040	1.900	000E00		300E00	100E02	840E01

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

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

YEAR 1967
 MONTH 08
 DAY 04
 TIME 0042

NO. DEPTHS 06
 SOUNDING 0192
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0		23.37	0.4	315	8.690		9.12	
4.0		23.31	0.4	315	8.700		9.09	
7.0		22.94	0.4	310	8.690		9.02	
10.0		22.84	0.5	310	7.690		9.05	
13.0		22.70	0.5	310	8.650		8.80	
16.0		18.38	0.5	326	8.360		6.84	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.210	100E00		000E00	800E01	160E01
4.0	0.000	0.190					
7.0	0.000	0.170	200E00				
10.0	0.000	0.175					
13.0	0.130	0.175					
16.0	0.064	0.510	800E00		100E00	160E02	900E01

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

LAT 41-55-15N
 LON 081-33-09W

YEAR 1967
 MONTH 08
 DAY 04
 TIME 0227

NO. DEPTHS 08
 SOUNDING 0238
 BT SLIDE NO 005

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W	R P04	T NO3
1.0		23.63	0.9	303	8.850	9.60	0.007	0.016
4.0		23.61	0.8	302	8.890	9.68	0.004	0.015
7.0		23.18	0.7	302	8.890	9.79	0.007	0.010
10.0		22.95	0.8	303	8.880	9.45	0.018	0.010
13.0		22.79	0.7	303	8.840	9.18	0.009	0.010
16.0		21.55	0.7	318	8.520	7.81	0.005	0.020
19.0		12.08	0.8	330	7.810	4.79	0.009	0.042
22.0		10.62	1.0	324	7.570	3.93	0.030	0.042

DEPTH	R SI02	MF CDL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.210	100F00		000E00	320E01	120E01
4.0	0.180					
7.0	0.210	000E00				
10.0	0.230					
13.0	0.210					
16.0	0.240					
19.0	0.650					
22.0	0.960	000E00		000E00	920E01	820E01

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	178.0	89.3	25.6	36.800	7.500	1.300	11.800
4.0							
7.0							
10.0	179.0	90.8	25.3	38.400	7.600	1.200	11.600
13.0							
16.0							
19.0	186.0	94.2	26.5	38.800	7.500	1.300	11.600
22.0							

DEPTH	HAZEN	CL	HARD	BOD W
1.0	5	25.0	122.8	1.4
4.0				1.5
7.0				1.2
10.0	5	25.8	127.2	1.0
13.0				1.2
16.0				1.3
19.0	5	27.1	127.8	0.7
22.0				0.8

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

LAT 42-15-33N
 LON 081-32-06W

YEAR 1967
 MONTH 08
 DAY 04
 TIME 0520

NO. DEPTHS 08
 SOUNDING 0230
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0		22.57	0.8	302	8.680		9.47	
4.0		22.58	0.7	301	8.740		9.17	
7.0		18.05	0.7	307	8.400		8.56	
10.0		12.24	0.8	317	7.750		5.86	
13.0		10.87	0.7	319	7.430		2.97	
16.0		10.19	0.9	321	7.460		3.88	
19.0		9.81	1.3	318	7.470		4.41	
22.0		9.75	0.8	317	7.580		4.66	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.060	0.200	000E00		000E00	400E01	220E01
4.0	0.060	0.200					
7.0	0.114	0.150	000E00				
10.0	0.240	0.440					
13.0	0.250	1.000					
16.0	0.240	0.880					
19.0	0.150	0.840					
22.0	0.150	0.870	000E00		000E00	200E01	120E01

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

LAT 42-33-27N
 LON 081-28-18W

YEAR 1967
 MONTH 08
 DAY 04
 TIME 0758

NO. DEPTHS 04
 SOUNDING 0128
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0		20.45	1.5	317	8.310		9.33	0.010
4.0		14.82	1.6	318	7.820		7.44	0.008
7.0		11.71	2.0	318	7.660		5.11	0.015
10.0		11.58	4.2	327	7.570		1.63	0.023

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.160	0.300					
4.0	0.170	0.330					
7.0	0.210	0.570					
10.0	0.190	0.750					

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

LAT 42-26-09N
 LON 081-39-27W

YEAR 1967
 MONTH 08
 DAY 04
 TIME 0932

NO. DEPTHS 04
 SOUNDING 0130
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0		21.93	1.2	300	8.560		8.83	
4.0		21.92	1.2	299	8.590		8.85	
7.0		15.81	1.4	305	7.770		5.30	
10.0		11.23	2.0	324	7.560		2.92	

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.070	0.190	000E00		000E00	900E00	700E00
4.0	0.070	0.190					
7.0	0.140	0.200	000E00				
10.0	0.260	0.650	000E00		000E00	200E01	180E01

C-REF-NO 107
 CONS. NO 052
 COUNTRY 18
 INSTITUTE 22

LAT 42-16-09N
 LON 081-47-57W

YEAR 1967
 MONTH 08
 DAY 04
 TIME 1112

NO. DEPTHS 05
 SOUNDING 0160
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	4.0	21.55	0.6	305	8.610		9.17	0.006
4.0		21.50	0.8	302	8.650		9.18	0.005
7.0		13.64	0.9	315	7.810		5.40	0.012
10.0		10.87	1.0	318	7.570		3.19	0.019
13.0		10.88	0.9	317	7.540		3.11	

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.085	0.160					
4.0	0.080	0.150					
7.0	0.170	0.280					
10.0	0.260	0.760					
13.0	0.260	0.770					

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

LAT 41-55-33N
 LON 081-50-00W

YEAR 1967
 MONTH 08
 DAY 04
 TIME 1348

NO. DEPTHS 08
 SOUNDING 0229
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0	7.0	22.93	0.7	307	8.830		9.26	
4.0		22.92	0.6	306	8.850		9.13	
7.0		22.91	0.6	308	8.850		9.12	
10.0		22.91	0.8	311	8.490		9.10	
13.0		22.88	0.6	307	8.830		9.09	
16.0		21.59	0.5	313	8.570		8.19	
19.0		10.28	1.0	319	7.620		4.95	
22.0		10.13	1.0	319	7.570		4.95	

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.160	700E00		000E00	400E01	280E01
4.0	0.000	0.150					
7.0	0.000	0.150	000E00				
10.0	0.015	0.190					
13.0	0.000	0.160					
16.0	0.020	0.190					
19.0	0.037	0.990					
22.0	0.040	1.050	000E00		000E00	300E01	220E01

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

LAT 41-45-21N
 LON 081-42-24W

YEAR 1967
 MONTH 08
 DAY 04
 TIME 1534

NO. DEPTHS 07
 SOUNDING 0201
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0	6.5	23.13	0.6	313	8.740		9.13	
4.0		23.12	0.5	313	8.790		9.12	0.002
7.0		23.11	0.6	310	8.800		9.12	
10.0		23.03	0.6	310	8.790		9.04	
13.0		23.00	0.5	310	8.780		8.96	0.002
16.0		22.66	0.6	313	8.730		8.62	
19.0		10.70	1.1	330	7.640		3.59	0.028

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.170	300E00		000E00	300E01	200E01
4.0	0.000	0.170					
7.0	0.000	0.165	000E00				
10.0	0.000	0.170					
13.0	0.000	0.150					
16.0	0.005	0.170					
19.0	0.070	1.250	000E00		100E00	130E02	600E01

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

LAT 41-44-15N
 LON 081-26-36W

YEAR 1967
 MONTH 08
 DAY 04
 TIME 1714

NO. DEPTHS 05
 SCUNDING 0137
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0	7.0	23.33	0.8	327	8.760		9.26	
4.0		23.31	0.8	328	8.780		9.29	
7.0		23.25	0.8	327	8.780		9.18	
10.0		23.11	0.8	330	8.780		9.05	
13.0		22.52	1.1	339	8.630		7.91	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.010	0.160	100E00	000E00	000E00	300E01	200E01
4.0	0.005	0.160					
7.0	0.005	0.170	000E00				
10.0	0.010	0.180					
13.0	0.025	0.330	000E00	000E00	100E00	130E02	600E01

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

LAT 41-39-21N
 LON 081-35-00W

YEAR 1967
 MONTH 08
 DAY 04
 TIME 1834

NO. DEPTHS 06
 SCUNDING 0165
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0	6.5	23.35	0.8	324	8.690		9.55	0.003
4.0		23.35	0.7	324	8.740		9.55	0.003
7.0		23.19	0.7	324	8.760		9.53	0.003
10.0		23.02	0.6	323	8.740		9.42	0.004
13.0		22.84	0.6	325	8.720		9.02	0.003
16.0		12.68	1.4	336	7.720		1.15	0.058

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.005	0.155	000E00	000E00	000E00	130E02	100E01
4.0	0.005	0.150					
7.0	0.005	0.150	000E00				
10.0	0.020	0.210					
13.0	0.020	0.230					
16.0	0.090	2.080	000E00	000E00	100E00	340E02	200E02

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

LAT 41-39-30N
 LON 081-40-54W

YEAR 1967
 MONTH 08
 DAY 04
 TIME 1934

NO. DEPTHS 06
 SOUNDING 0192
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0	9.5	23.42	0.8	315	8.690		9.21	
4.0		23.40	0.5	316	8.740		9.23	
7.0		23.32	0.5	317	8.770		9.15	
10.0		23.04	0.4	317	8.750		9.25	
13.0		22.94	0.5	321	8.700		8.21	
16.0		19.46	0.6	333	8.360		6.95	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.000	0.140	200E00	000E00	000E00	100E02	200E01
4.0	0.000	0.130					
7.0	0.000	0.130	000E00				
10.0	0.000	0.140					
13.0	0.005	0.150					
16.0	0.025	0.480	100E00	000E00	000E00	150E02	700E01

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

LAT 41-34-51N
 LON 081-36-21W

YEAR 1967
 MONTH 08
 DAY 04
 TIME 2033

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0	2.5	23.90	1.0	315	8.880		9.66	0.009
4.0		23.87	1.0	330	8.900		9.65	0.009
7.0		23.73	1.3	328	8.770		9.61	0.007
10.0		23.46	1.2	331	8.890		8.66	0.017

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.015	0.190	300E01	000E00	000E00	200E02	120E02
4.0	0.015	0.220					
7.0	0.015	0.250	400E00				
10.0	0.045	0.370	440E01	000E00	600E00	430E02	190E02

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

LAT 41-31-57N
LON 081-42-06W

YEAR 1967
MONTH 08
DAY 04
TIME 2134

NO. DEPTHS 04
SOUNDING 0110
BT SLIDE NO 006

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	O2 W	R PD4	T NO3
1.0	5.0	23.64	1.0	325	8.850	9.68		0.010
4.0		23.63	0.8	324	8.900	9.68		0.010
7.0		23.55	0.9	326	8.840	9.37		0.025
10.0		23.47	1.4	329	8.790	8.94		0.030

DEPTH	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.260	400E01	000E00	100E00	340E02	300E02
4.0	0.250					
7.0	0.290	760E01				
10.0	0.330	110E02	000E00	160E01	950E02	800E02

DEPTH	F RES	TT ALK	S SD4	CA NFA	MG NF	K NFS	NA NFS
1.0	196.0	91.3	26.7	38.800	7.500	1.400	13.000
4.0							
7.0							
10.0							

DEPTH	HAZEN	CL	HARD	BOD W
1.0	5	29.6	127.8	1.6
4.0				1.3
7.0				1.4
10.0				1.6

C-REF-NO 107
CONS. NO 060
COUNTRY 18
INSTITUTE 22

LAT 41-37-15N
LON 081-45-21W

YEAR 1967
MONTH 08
DAY 04
TIME 2254

NO. DEPTHS 06
SCOUNDING 0190
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0	6.5	23.34	0.7	316	8.800		9.29	0.004
4.0		23.35	0.6	316	8.810		9.31	0.003
7.0		23.30	0.5	318	8.780		9.34	0.003
10.0		23.20	0.8	318	8.780		9.26	0.004
13.0		23.02	0.6	322	8.680		9.15	0.005
16.0		12.83	1.1	337	7.760		2.30	0.024

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.005	0.160	000E00	000E00	000E00	140E02	800E01
4.0	0.005	0.170					
7.0	0.005	0.160	000E00				
10.0	0.005	0.160					
13.0	0.005	0.170					
16.0	0.060	1.850	100E00	000E00	000E00	200E02	200E01

C-REF-NO 107
CONS. NO 061
COUNTRY 18
INSTITUTE 22

LAT 41-30-48N
LON 081-47-48W

YEAR 1967
MONTH 08
DAY 04
TIME 2346

NO. DEPTHS 03
SCOUNDING 0140
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0								
7.0								
13.0								

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0			160E01	000E00	000E00	200E02	700E01
7.0			100E00				
13.0			800E00	000E00	000E00	250E02	100E02

C-REF-NO 107
 CONS. NO 062
 COUNTRY 18
 INSTITUTE 22

LAT 42-32-15N
 LON 081-49-36W

YEAR 1967
 MONTH 08
 DAY 05
 TIME 0028

NO. DEPTHS 05
 SOUNDING 0155
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	02 W	R P04
1.0	5.5	23.54	0.6	322	8.900		9.65	
4.0		23.51	0.6	322	8.890		9.66	
7.0		23.52	0.6	321	8.890		9.79	
10.0		23.51	0.7	320	8.890		9.61	
13.0		23.41	0.6	320	8.860		9.53	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.005	0.160	200E00	200E00	000E00	600E01	160E01
4.0	0.005	0.160					
7.0	0.005	0.175	000E00				
10.0	0.010	0.200					
13.0	0.010	0.210	200E00	000E00	000E00	400E01	160E01

C-REF-NO 107
 CONS. NO 063
 COUNTRY 18
 INSTITUTE 22

LAT 41-34-42N
 LON 081-53-06W

YEAR 1967
 MONTH 08
 DAY 05
 TIME 0105

NO. DEPTHS 03
 SOUNDING 0160
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	02 W	R P04
1.0								
7.0								
13.0								

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0			000E00	000E00	000E00	200E02	400E01
7.0			100E00				
13.0			200E00	000E00	000E00	220E02	200E01

C-REF-NO 107
 CONS. NO 064
 COUNTRY 18
 INSTITUTE 22

LAT 41-40-21N
 LON 081-55-15W

YEAR 1967
 MONTH 08
 DAY 05
 TIME 0217

NO. DEPTHS 07
 SOUNDING 0201
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0		23.38	1.0	315	8.790		9.44	0.023
4.0		23.36	0.8	315	8.840		9.39	0.013
7.0		23.34	0.6	315	8.840		9.42	0.010
10.0		23.17	0.7	315	8.830		9.28	0.013
13.0		22.86	0.7	315	8.740		8.88	0.009
16.0		22.49	0.6	315	8.660		8.42	0.010
19.0		10.86	0.8	329	7.640		3.26	0.031

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.010	0.200	000E00	000E00	000E00	700E01	180E01
4.0	0.010	0.210					
7.0	0.010	0.200	000E00				
10.0	0.010	0.190					
13.0	0.005	0.160					
16.0	0.005	0.180					
19.0	0.050	1.680	000E00	000E00	000E00	170E02	460E01

C-REF-NO 107
 CONS. NO 065
 COUNTRY 18
 INSTITUTE 22

LAT 41-45-18N
 LON 081-58-00W

YEAR 1967
 MONTH 08
 DAY 05
 TIME 0317

NO. DEPTHS 07
 SOUNDING 0210
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0		23.15	0.6	316	8.800		9.49	
4.0		23.13	0.6	316	8.850		9.49	
7.0		23.13	0.6	317	8.860		9.65	
10.0		23.00	0.7	317	8.850		9.49	
13.0		22.85	0.6	315	8.850		9.36	
16.0		14.86	0.8	332	7.740		2.75	
19.0		10.41	0.9	322	7.610		4.52	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.010	0.180	000E00		000E00	500E01	280E01
4.0	0.010	0.170					
7.0	0.010	0.160	100E00				
10.0	0.010	0.160					
13.0	0.010	0.155					
16.0	0.300	1.250					
19.0	0.030	1.470	300E00		000E00	340E01	200E01

C-REF-NO 107
 CONS. NO 066
 COUNTRY 18
 INSTITUTE 22

LAT 41-57-15N
 LON 082-06-15W
 YEAR 1967
 MONTH 08
 DAY 05
 TIME 0514

NO. DEPTHS 07
 SOUNDING 0210
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0		23.17	0.8	308	8.750		9.28	0.016
4.0		23.18	0.7	306	8.790		9.12	0.024
7.0		23.19	0.9	306	8.840		9.18	0.012
10.0		23.17	0.8	305	8.840		9.10	0.012
13.0		23.06	0.7	305	8.840		9.05	0.013
16.0		20.83	0.6	312	8.610		7.99	0.032
19.0		10.47	0.7	321	7.840		4.63	0.016

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.020	0.270	000E00		100E00	600E01	540E01
4.0	0.020	0.200					
7.0	0.020	0.200	000E00				
10.0	0.020	0.210					
13.0	0.020	0.200					
16.0	0.010	0.180					
19.0	0.030	1.280	100E00		000E00	170E02	380E01

C-REF-NO 107
 CONS. NO 067
 COUNTRY 18
 INSTITUTE 22

LAT 42-06-24N
 LON 081-56-51W
 YEAR 1967
 MONTH 08
 DAY 05
 TIME 0643

NO. DEPTHS 03
 SOUNDING 0183
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0								
7.0								
16.0								

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0			500E00		000E00	580E01	430E01
7.0			100E00				
16.0			100E00		000E00	500E01	350E01

C-REF-NO 107
 CONS. NO 068
 COUNTRY 18
 INSTITUTE 22

LAT 42-13-00N
 LON 082-03-21W

YEAR 1967
 MONTH 08
 DAY 05
 TIME 0802

NO. DEPTHS 05
 SOUNDING 0155
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0		22.82	1.1	298	8.700		8.59	0.005
4.0		22.81	1.3	297	8.720		8.61	0.016
7.0		22.80	1.3	296	8.710		8.64	0.002
10.0		18.25	1.4	313	8.180		6.36	0.009
13.0		12.06	1.2	326	7.920		3.19	0.012

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.030	0.160	000E00		000E00	800E01	810E01
4.0	0.030	0.165					
7.0	0.030	0.165	000E00				
10.0	0.065	0.500					
13.0	0.300	1.720	100E00		000E00	880E01	700E01

C-REF-NO 107
 CONS. NO 069
 COUNTRY 18
 INSTITUTE 22

LAT 42-04-48N
 LON 082-23-09W

YEAR 1967
 MONTH 08
 DAY 05
 TIME 1031

NO. DEPTHS 04
 SOUNDING 0130
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0	3.5	22.29	1.0	294	8.580		8.42	
4.0		22.27	1.0	294	8.610		8.38	
7.0		12.90	1.3	321	7.760		3.77	
10.0		11.76	1.4	316	7.530		1.09	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.070	0.290	100E01		000E00	120E02	210E01
4.0	0.070	0.300					
7.0	0.220	0.920	200E00				
10.0	0.260	1.410	100E00		000E00	100E02	200E01

C-REF-NO 107
 CONS. NO 070
 COUNTRY 18
 INSTITUTE 22

LAT 41-52-15N
 LON 082-26-15W

YEAR 1967
 MONTH 08
 DAY 05
 TIME 1211

NO. DEPTHS 04
 SOUNDING 0130
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	3.5	21.46	1.2	291	8.510		8.16	0.010
4.0		21.43	1.1	290	8.530		8.19	0.014
7.0		21.39	1.1	289	8.530		8.18	0.015
10.0		20.00	1.2	293	8.280		7.01	0.013

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.100	0.480	100E00		000E00	400E01	260E01
4.0	0.100	0.460					
7.0	0.100	0.470	100E00				
10.0	0.150	0.680	000E00		000E00	740E01	440E01

C-REF-NO 107
 CONS. NO 071
 COUNTRY 18
 INSTITUTE 22

LAT 41-47-30N
 LON 082-21-51W

YEAR 1967
 MONTH 08
 DAY 05
 TIME 1330

NO. DEPTHS 04
 SOUNDING 0228
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	3.0	22.93	1.4	298	8.570		7.84	
4.0		22.92	1.5	299	8.590		7.89	
7.0		22.93	1.6	299	8.590		7.89	
10.0		22.93	1.3	299	8.590		7.84	

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.060	0.390	100E00		000E00	600E01	100E01
4.0	0.065	0.395					
7.0	0.060	0.360	300E00				
10.0	0.060	0.380	100E00		000E00	700E01	400E01

C-REF-NO 107
 CONS. NO 072
 COUNTRY 18
 INSTITUTE 22

LAT 41-35-30N
 LON 082-07-24W

YEAR 1967
 MONTH 08
 DAY 05
 TIME 1541

NO. DEPTHS 05
 SOUNDING 0155
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	6.0	23.16	0.8	314	8.740		9.45	0.007
4.0		23.15	0.7	315	8.830		9.31	0.010
7.0		23.15	0.6	315	8.840		9.31	0.011
10.0		23.13	0.7	314	8.850		9.34	0.014
13.0		23.05	0.7	314	8.850		9.18	0.012

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.005	0.240	600E00		000E00	640E01	280E01
4.0	0.005	0.210					
7.0	0.005	0.200	000E00				
10.0	0.005	0.210					
13.0	0.005	0.210	000E00		000E00	600E01	440E01

C-REF-NO 107
 CONS. NO 073
 COUNTRY 18
 INSTITUTE 22

LAT 41-31-12N
 LON 082-04-45W

YEAR 1967
 MONTH 08
 DAY 05
 TIME 1632

NO. DEPTHS 04
 SOUNDING 0128
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	4.5	23.33	1.1	321	8.890		9.50	
4.0		23.33	1.0	320	8.880		9.34	
7.0		23.30	1.1	321	8.900		9.31	
10.0		23.10	1.2	321	8.880		8.98	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.025	0.200	600E00		000E00	840E01	640E01
4.0	0.025	0.220					
7.0	0.025	0.230	000E00				
10.0	0.025	0.250	200E00		100E00	100E02	400E01

C-REF-NO 107
 CONS. NO 074
 COUNTRY 18
 INSTITUTE 22

LAT 41-29-54N
 LON 082-12-42W

YEAR 1967
 MONTH 08
 DAY 05
 TIME 1735

NO. DEPTHS 04
 SOUNDING 0130
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	4.0	23.35	1.4	319	8.880		9.55	0.019
4.0		23.33	1.4	321	8.920		9.49	0.015
7.0		23.32	1.4	320	8.920		9.41	0.018
10.0		23.20	1.5	321	8.910		9.25	0.004

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.030	0.230	100E00	000E00	000E00	860E01	700E01
4.0	0.030	0.230					
7.0	0.030	0.220	100E00				
10.0	0.030	0.230	000E00	000E00	540E01	170E02	820E01

C-REF-NO 107
 CONS. NO 075
 COUNTRY 18
 INSTITUTE 22

LAT 41-31-03N
 LON 082-19-45W

YEAR 1967
 MONTH 08
 DAY 05
 TIME 1831

NO. DEPTHS 05
 SOUNDING 0137
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	5.0	23.20	1.0	318	8.770		9.53	
4.0		23.16	0.9	317	8.880		9.71	
7.0		23.09	0.9	316	8.870		9.49	
10.0		22.98	0.9	316	8.870		9.44	
13.0		22.04	0.8	319	8.780		8.78	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.010	0.170	000E00		200E00	520E01	240E01
4.0	0.010	0.170					
7.0	0.010	0.180	100E00				
10.0	0.010	0.170					
13.0	0.015	0.260	000E00		270E01	120E02	140E02

C-REF-NO 107
 CONS. NO 076
 COUNTRY 18
 INSTITUTE 22

LAT 41-26-30N
 LON 082-24-09W

YEAR 1967
 MONTH 08
 DAY 05
 TIME 1923

NO. DEPTHS 04
 SOUNDING 0100
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	3.5	23.43	1.5	312	8.920		9.45	0.006
4.0		23.41	1.3	310	8.940		9.42	0.006
7.0		23.33	1.4	312	8.920		9.39	0.009
10.0		23.11	1.4	311	8.890		8.99	0.007

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.010	0.190	100E00		000E00	600E01	600E01
4.0	0.010	0.195					
7.0	0.010	0.200	100E00				
10.0	0.010	0.180	100E00		100E00	160E01	120E01

C-REF-NO 107
 CONS. NO 077
 COUNTRY 18
 INSTITUTE 22

LAT 41-25-42N
 LON 082-32-54W

YEAR 1967
 MONTH 08
 DAY 05
 TIME 2031

NO. DEPTHS 04
 SOUNDING 0110
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	3.0	23.73	1.7	309	8.980		9.61	
4.0		23.66	1.8	310	8.970		9.61	
7.0		23.31	1.9	311	8.940		9.31	
10.0		23.09	3.5	312	8.880		8.66	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.015	0.260	000E00		100E00	200E02	160E02
4.0	0.010	0.200					
7.0	0.020	0.230	400E00				
10.0	0.030	0.340	000E00		100E00	500E01	200E01

C-REF-NO 107
 CONS. NO 078
 COUNTRY 18
 INSTITUTE 22

LAT 41-32-06N
 LON 082-35-33W
 YEAR 1967
 MONTH 08
 DAY 05
 TIME 2138

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	3.0	24.10	1.0	306	8.990		10.59	0.007
4.0		23.34	1.1	306	8.990		10.00	0.008
7.0		23.21	1.2	307	8.940		9.01	0.004
10.0		23.19	0.9	307	8.940		8.93	0.004

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.010	0.300	300E00		000E00	200E01	300E01
4.0	0.010	0.280					
7.0	0.010	0.300	100E00				
10.0	0.010	0.280	300E00		000E00	680E01	540E01

C-REF-NO 107
 CONS. NO 079
 COUNTRY 18
 INSTITUTE 22

LAT 41-36-48N
 LON 082-31-09W
 YEAR 1967
 MONTH 08
 DAY 05
 TIME 2248

NO. DEPTHS 04
 SOUNDING 0132
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	4.0	24.10	0.8	309	8.940		9.45	
4.0		23.15	0.9	307	9.020		10.01	
7.0		22.95	1.2	307	9.000		9.47	
10.0		22.89	1.0	307	8.950		9.02	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.005	0.250	000E00		100E00	140E01	200E01
4.0	0.005	0.310					
7.0	0.010	0.280	000E00				
10.0	0.010	0.300	100E00		000E00	130E02	960E01

C-REF-NO 107
 CONS. NO 080
 COUNTRY 18
 INSTITUTE 22

LAT 41-42-00N
 LON 082-35-03W

YEAR 1967
 MONTH 08
 DAY 05
 TIME 2356

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	3.0	24.46	1.0	306	9.030		10.11	0.010
4.0		23.57	1.4	307	8.970		10.22	0.015
7.0		23.01	1.3	310	8.700		7.76	0.006
10.0		20.05	2.2	325	7.940		1.72	

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.020	0.450	500E00		000E00	120E02	110E02
4.0	0.035	0.490					
7.0	0.055	0.550	000E00				
10.0	0.035	2.400	270E01		200E00	120E02	920E01

C-REF-NO 107
 CONS. NO 081
 COUNTRY 18
 INSTITUTE 22

LAT 41-48-27N
 LON 082-30-12W

YEAR 1967
 MONTH 08
 DAY 06
 TIME 0103

NO. DEPTHS 04
 SOUNDING 0120
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0		24.12	2.0	302	8.680		9.07	
4.0		23.09	1.5	305	8.730		8.66	
7.0		22.94	1.4	307	8.620		7.75	
10.0		19.02	1.3	320	8.050		3.21	

DEPTH	T NO3	R SID2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.045	0.440	500E00		000E00	200E01	200E01
4.0	0.045	0.380					
7.0	0.045	0.420	500E00				
10.0	0.095	1.380	200E00		000E00	460E02	340E02

C-REF-NO 107
 CONS. NO 082
 COUNTRY 18
 INSTITUTE 22

LAT 41-54-27N
 LON 082-34-21W

YEAR 1967
 MONTH 08
 DAY 06
 TIME 0224

NO. DEPTHS 03
 SOUNDING 0100
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0		23.74	1.9	252	8.830		9.12	0.008
4.0		22.80	1.6	277	8.690		9.29	0.008
7.0		22.54	1.5	281	8.500		8.78	0.013

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.030	0.270	000E00		000E00	110E02	100E02
4.0	0.060	0.200					
7.0	0.075	0.190	000E00		200E00	120E02	620E01

C-REF-NO 107
 CONS. NO 083
 COUNTRY 18
 INSTITUTE 22

LAT 41-59-18N
 LON 082-36-18W

YEAR 1967
 MONTH 08
 DAY 06
 TIME 0317

NO. DEPTHS 03
 SOUNDING 0100
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0		23.85	1.7	269	8.650		8.64	
4.0		23.79	1.6	268	8.640		8.77	
7.0		23.35	1.7	270	8.500		7.49	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.040	1.270	500E00		000E00	250E02	400E02
4.0	0.040	1.230					
7.0	0.042	1.370	200E00		000E00	280E02	270E02

C-REF-NO 107
 CONS. NO 084
 COUNTRY 18
 INSTITUTE 22

LAT 41-59-33N
 LON 082-45-03W
 YEAR 1967
 MONTH 08
 DAY 06
 TIME 0420

NO. DEPTHS 03
 SOUNDING 0092
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0		23.72	2.1	254	8.580		8.88	0.023
4.0		23.74	2.3	264	8.640		8.82	0.019
7.0		23.35	2.4	265	8.380		7.06	0.023

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.045	1.390					
4.0	0.045	1.420					
7.0	0.055	1.590					

C-REF-NO 107
 CONS. NO 085
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-06N
 LON 082-56-42W
 YEAR 1967
 MONTH 08
 DAY 06
 TIME 0543

NO. DEPTHS 03
 SOUNDING 0092
 BT SLIDE NO 007

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	O2 W	R PO4	T NO3
1.0		23.35	1.8	252	8.550	8.38	0.011	0.100
4.0		23.38	1.8	252	8.500	8.38	0.024	0.100
7.0		23.19	1.7	252	8.540	8.26	0.011	0.095

DEPTH	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.540	000E00	000E00	000E00	160E02	100E02
4.0	0.550					
7.0	0.520	000E00	000E00	000E00	200E02	900E01

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	147.0	81.6	18.5	30.800	6.800	1.200	7.600
4.0							
7.0							

DEPTH	HAZEN	CL	HARD	BOD W
1.0	5	18.0	104.9	2.1
4.0				1.4
7.0				1.5

C-REF-NO 107
 CONS. NO 086
 COUNTRY 18
 INSTITUTE 22

LAT 41-55-30N
 LON 083-04-27W

YEAR 1967
 MONTH 08
 DAY 06
 TIME 0717

NO. DEPTHS 03
 SOUNDING 0073
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0		23.05	2.0	252	8.430		8.48	0.012
4.0		23.03	2.0	252	8.410		8.46	0.016
7.0		22.89	2.0	244	8.330		8.11	0.019

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.160	1.000	400E00		000E00	100E02	100E02
4.0	0.160	0.980					
7.0	0.160	1.030	500E00	000E00	000E00	180E02	170E02

C-REF-NO 107
 CONS. NO 087
 COUNTRY 18
 INSTITUTE 22

LAT 41-53-33N
 LON 083-11-57W

YEAR 1967
 MONTH 08
 DAY 06
 TIME 0825

NO. DEPTHS 02
 SOUNDING 0073
 BT SLIDE NO 008

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	O2 W	R P04	T NO3
1.0		23.78	2.6	306	8.260	7.94		0.180
4.0		23.72	2.8	308	8.340	8.02		0.175

DEPTH	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.550	400E00		000E00	300E02	200E02
4.0	0.550	000E00	000E00	100E00	400E02	250E02

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	182.0	80.3	21.7	32.200	7.800	1.200	16.600
4.0							

DEPTH	HAZEN	CL	HARD	BOD W
1.0	5	23.0	112.5	2.1
4.0				2.2

C-REF-NO 107
 CONS. NO 088
 COUNTRY 18
 INSTITUTE 22

LAT 41-49-15N
 LON 083-08-21W

YEAR 1967
 MONTH 08
 DAY 06
 TIME 0946

NO. DEPTHS 03
 SOUNDING 0090
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0		23.08	2.7	248	8.530		8.75	0.024
4.0		23.08	2.8	248	8.560		8.77	0.028
7.0		23.07	2.4	248	8.550		8.72	0.018

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.095	0.570	000E00	000E00	000E00	200E02	120E02
4.0	0.100	0.600					
7.0	0.100	0.590	000E00	000E00	000E00	200E02	130E02

C-REF-NO 107
 CONS. NO 089
 COUNTRY 18
 INSTITUTE 22

LAT 41-45-03N
 LON 083-04-57W

YEAR 1967
 MONTH 08
 DAY 06
 TIME 1043

NO. DEPTHS 03
 SOUNDING 0090
 BT SLIDE NO 009

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	O2 W	R P04	T NO3
1.0	1.0	23.44	4.1	279	8.540	8.53	0.035	0.080
4.0		23.44	3.3	279	8.560	8.35	0.035	0.080
7.0		23.21	3.5	280	8.280	6.98	0.083	0.090

DEPTH	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	1.380	000E00	000E00	000E00	340E02	310E02
4.0	1.380					
7.0	1.550	000E00	000E00	000E00	370E02	280E02

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	163.0	84.2	22.1	33.300	7.300	1.400	9.800
4.0							
7.0							

DEPTH	HAZEN	CL	HARD	BOD W
1.0	5	19.0	112.9	3.5
4.0				2.8
7.0				2.6

C-REF-NO 107
 CONS. NO 090
 COUNTRY 18
 INSTITUTE 22

LAT 41-50-12N
 LON 082-52-39W
 YEAR 1967
 MONTH 08
 DAY 06
 TIME 1236

NO. DEPTHS 03
 SOUNDING 0100
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	2.5	23.36	3.3	264	8.320		7.60	
4.0		23.33	2.8	264	8.330		7.57	
7.0		23.25	2.8	264	8.330		7.44	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.130	1.260	000E00	000E00	000E00	140E02	130E02
4.0	0.130	1.250					
7.0	0.130	1.230	000E00	000E00	000E00	200E02	130E02

C-REF-NO 107
 CONS. NO 091
 COUNTRY 18
 INSTITUTE 22

LAT 41-41-06N
 LON 082-56-00W
 YEAR 1967
 MONTH 08
 DAY 06
 TIME 1355

NO. DEPTHS 03
 SOUNDING 0091
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	1.5	23.42	4.0	271	8.590		8.58	
4.0		23.42	4.1	267	8.610		8.58	
7.0		23.37	4.0	267	8.620		8.40	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.045	0.760	000E00		000E00	300E02	200E02
4.0	0.045	0.760					
7.0	0.045	0.760	000E00		000E00	320E02	200E02

C-REF-NO 107
 CONS. NO 092
 COUNTRY 18
 INSTITUTE 22

LAT 41-44-27N
 LON 082-51-57W
 YEAR 1967
 MONTH 08
 DAY 06
 TIME 1451

NO. DEPTHS 03
 SCUNDING 0090
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	1.5	23.96	4.4	272	8.860		10.88	0.012
4.0		23.69	4.0	271	8.730		9.18	0.013
7.0		23.33	5.1	270	8.430		7.23	0.024

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.020	0.290	000E00		000E00	360E02	330E02
4.0	0.035	0.260					
7.0	0.072	0.330	000E00		100E00	300E02	430E02

C-REF-NO 107
 CONS. NO 093
 COUNTRY 18
 INSTITUTE 22

LAT 41-49-21N
 LON 082-45-09W

YEAR 1967
 MONTH 08
 DAY 06
 TIME 1619

NO. DEPTHS 03
 SOUNDING 0092
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0	2.0	24.43	2.8	268	8.690		9.93	
4.0		23.51	3.3	266	8.580		8.80	0.028
7.0		23.22	2.6	264	8.700		7.11	0.030

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.045	0.520	000E00		000E00	230E02	150E02
4.0	0.060	0.650					
7.0	0.080	1.170	000E00		000E00	350E02	280E02

C-REF-NO 107
 CONS. NO 094
 COUNTRY 18
 INSTITUTE 22

LAT 41-43-27N
 LON 082-44-45W

YEAR 1967
 MONTH 08
 DAY 06
 TIME 1722

NO. DEPTHS 03
 SOUNDING 0092
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R P04
1.0	2.5	24.35	2.4	294	8.710		10.08	0.012
4.0		23.52	2.8	296	8.720		9.71	0.014
7.0		23.31	3.2	298	8.490		7.39	0.018

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.065	0.120	000E00		000E00	460E01	420E01
4.0	0.074	0.100					
7.0	0.104	0.100	000E00		000E00	100E02	180E02

C-REF-NO 107
 CONS. NO 095
 COUNTRY 18
 INSTITUTE 22

LAT 41-37-54N
 LON 082-46-03W
 YEAR 1967
 MONTH 08
 DAY 06
 TIME 1820

NO. DEPTHS 03
 SOUNDING 0082
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	2.0	24.36	3.9	294	8.890		11.99	0.017
4.0		23.69	4.2	298	8.780		9.71	0.022
7.0		23.46	6.5	296	8.580		7.68	0.037

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.025	0.140	000E00	000E00	000E00	150E02	240E02
4.0	0.045	0.120					
7.0	0.055	0.130	000E00	000E00	000E00	230E02	240E02

C-REF-NO 107
 CONS. NO 096
 COUNTRY 18
 INSTITUTE 22

LAT 41-30-36N
 LON 081-55-48W
 YEAR 1967
 MONTH 08
 DAY 09
 TIME 1536

NO. DEPTHS 03
 SOUNDING 0120
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0								
7.0								
10.0								

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0			330E01	140E01	000E00	100E02	200E02
7.0			300E01				
10.0			000E00	000E00	000E00	400E02	300E02

C-REF-NO 107
 CONS. NO 097
 COUNTRY 18
 INSTITUTE 22

LAT 41-32-33N
 LON 081-53-57W

YEAR 1967
 MONTH 08
 DAY 09
 TIME 1614

NO. DEPTHS 05
 SOUNDING 0146
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	BOD W	O2 W	R PO4
1.0	9.0	22.94	1.1	333	8.660		8.88	
4.0		22.91	1.1	323	8.670		8.88	
7.0		22.89	1.2	319	8.690		8.90	
10.0		22.91	1.0	318	8.700		8.94	
13.0		22.55	0.9	317	8.710		8.96	

DEPTH	T NO3	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0	0.005		200E00	000E00	000E00	600E01	600E01
4.0	0.005						
7.0	0.005		100E00				
10.0	0.005						
13.0	0.010		100E00	200E00	000E00	180E02	800E01

C-REF-NO 107
 CONS. NO 098
 COUNTRY 18
 INSTITUTE 22

LAT 41-30-18N
 LON 081-42-42W

YEAR 1967
 MONTH 08
 DAY 09
 TIME 1739

NO. DEPTHS 03
 SOUNDING 0100
 BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	O2 W	R PO4	T NO3
1.0	0.5		11.0	736	7.030	2.48		0.116
4.0			2.8	720	7.110	2.79		0.130
7.0			1.8	612	7.230	3.69		0.150

DEPTH	R SIO2	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		630E03	500E03	300E02	270E05	200E05
4.0						
7.0						

DEPTH	F RES	TT ALK	S SO4	CA NFA	MG NF	K NFS	NA NFS
1.0	421.0	67.1	80.5	54.000	10.000	4.400	56.000
4.0							
7.0							

DEPTH	HAZEN	CL	HARD	BOD W
1.0	5	102.4	176.1	4.0
4.0				2.8
7.0				2.1

C-REF-NO 107
CONS. NO 099
COUNTRY 18
INSTITUTE 22

LAT 42-08-36N
LON 080-06-09W

YEAR 1967
MONTH 08
DAY 10
TIME 0249

NO. DEPTHS 03
SOUNDING 0073
BT SLIDE NO

DEPTH	SECCHI	TEMP	TURB	SP CON	PH 25	02 W	R P04	T N03
1.0			4.5	342	8.050	7.97	0.036	0.005
4.0			4.2	342	8.110	7.99	0.036	0.005
7.0			6.7	342	8.160	7.92	0.046	0.005

DEPTH	R S102	MF COL	MF FCO	MF STR	SPC 20	SPC 35
1.0		100E02	440E01	000E00	200E03	200E03
4.0						
7.0		600E02	880E01	000E00	460E03	100E03

DEPTH	F RES	TT ALK	S S04	CA NFA	MG NF	K NFS	NA NFS
1.0	198.0	92.2	29.3	39.200	7.500	1.400	15.000
4.0							
7.0							

DEPTH	HAZEN	CL	HARD	BOD W
1.0	5	31.0	128.8	2.2
4.0				1.8
7.0				2.3